KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

PERANGKAAN SEBAB KEMATIAN MALAYSIA, 2024

STATISTICS ON CAUSES OF DEATH MALAYSIA, 2024

Pemakluman

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Announcement

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides a catalogue and visualisations to facilitate users' analysis of various data and can be accessed through https://open.dosm.gov.my.

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th. MyStats Day theme is "Statistics is the Essence of Life". DOSM commemorates its 75th Diamond Jubilee in 2024.

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Penerbitan Perangkaan Sebab Kematian, Malaysia, 2024 merupakan penerbitan tahunan yang membentangkan statistik sebab kematian utama di Malaysia bagi tahun 2023. Data ini merangkumi maklumat sebab kematian mengikut kategori disahkan dan tidak disahkan secara perubatan. Buat pertama kali, penerbitan ini juga turut memuatkan topik baharu iaitu kematian bunuh diri.

Penyusunan statistik ini berdasarkan konsep dan garis panduan daripada *Principles and Recommendations for a Vital Statistics System, Revision 3* yang diterbitkan oleh *United Nations Statistics Division* (2014) dan *International Statistical Classification of Diseases and Related Health Problems, 10th Revision* (ICD-10) yang diterbitkan oleh *World Health Organization* (2010).

Statistik sebab kematian merupakan input penting yang digunakan dalam pembentukan, pelaksanaan dan pemantauan dasar di peringkat nasional dan antarabangsa. Statistik ini berguna bagi perancangan dasar dalam bidang kesihatan, pendidikan, ekonomi dan sosial di Malaysia.

Bahagian pertama penerbitan ini membentangkan ringkasan penemuan manakala bahagian kedua memuatkan jadual terperinci sebab kematian utama di peringkat nasional, strata, negeri dan daerah pentadbiran. Ini diikuti, bahagian ketiga menunjukkan jadual siri masa sebab kematian. Bahagian keempat mengandungi nota teknikal untuk menerangkan konsep dan definisi bagi membantu pengguna memahami statistik yang diterbitkan.

Jabatan merakamkan setinggi-tinggi penghargaan di atas kerjasama Jabatan Pendaftaran Negara (JPN), Kementerian Kesihatan Malaysia (KKM) dan Polis Diraja Malaysia (PDRM) dalam membekalkan rekod kematian. Rekod ini merupakan sumber utama data bagi penjanaan perangkaan sebab kematian. Setiap maklum balas dan cadangan daripada semua pihak untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN
Ketua Perangkawan Malaysia
Oktober 2024

The publication of Statistics on Causes of Death, Malaysia, 2024 is an annual publication which presents statistics on the principal causes of death in Malaysia for the year 2023. The data covers information on the causes of death by category, namely medically certified and not medically certified. For the first time, this publication introduced a new topic on suicide deaths.

The compilation of these statistics is based on the concepts and guidelines from Principles and Recommendations for a Vital Statistics System, Revision 3 published by the United Nations Statistics Division (2014) and the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10) published by the World Health Organization (2010

Statistics on causes of death are an important input used for formulation, implementation and monitoring of policies at national and international levels. These statistics are useful for policy planning in the areas of health, education, economy and social in Malaysia.

The first part of this publication presents the summary of findings while the second part contains detailed tables on the principal causes of death at national, stratum, state and administrative district. This is followed by the third part that shows a time series of causes of death. The fourth part consists of the technical notes explain the concepts and definitions to assist users to understand the published statistics.

The Department gratefully acknowledges the co-operation of the National Registration Department (NRD), Ministry of Health (MoH) and Royal Malaysia Police (RMP) for providing death records. The records are the main data sources for producing causes of death statistics. Every feedback and suggestion from all parties towards improving future publications is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician, Malaysia
October 2024

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PENEMUAN UTAMA
MAIN FINDINGS

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KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

@StatsMalaysia

BANCI 2024 PERTANIAN
KUNCI KEMAJUAN PERTANIAN

MALAYSIA MADANI

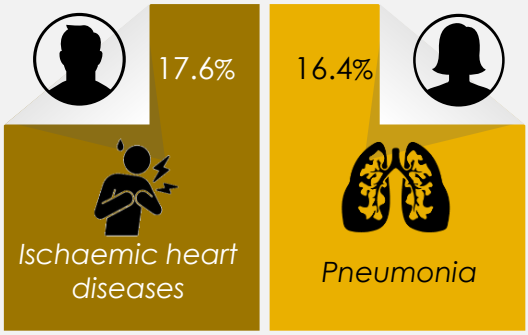
1949-2024 DOSM
JABATAN PERANGKAAN MALAYSIA
STATISTIK NADI KEHIDUPAN

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

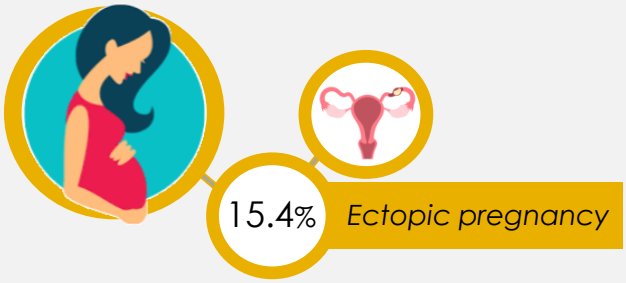
10 Sebab kematian utama 2023

1. *Pneumonia* — 15.2%
2. *Ischaemic heart diseases* — 15.1%
3. *Cerebrovascular diseases* — 7.2%
4. *Transport accidents* — 3.5%
5. *Malignant neoplasm of trachea, bronchus and lung* — 2.0%
6. *Chronic lower respiratory diseases* — 1.8%
7. *Malignant neoplasm of colon, rectum and anus* — 1.7%
8. *Diabetes mellitus* — 1.7%
9. *Hypertensive diseases* — 1.5%
10. *Malignant neoplasm of breast* — 1.4%

Sebab kematian utama mengikut jantina



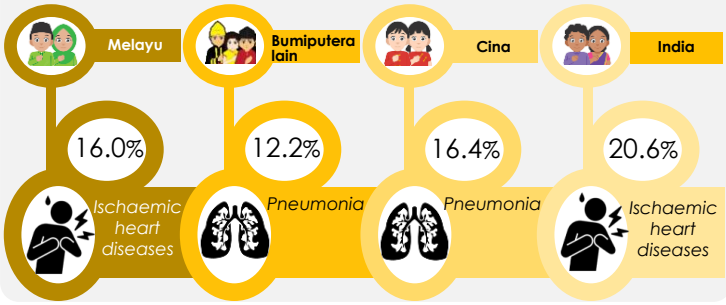
Sebab kematian utama ibu bersalin



Sebab kematian utama mengikut kumpulan umur

0 – 14 tahun	15 – 40 tahun	41 – 59 tahun	60 tahun dan lebih
3.7%	20.1%	19.8%	19.3%
Transport accidents	*Transport accidents*	*Ischaemic heart diseases*	*Pneumonia*

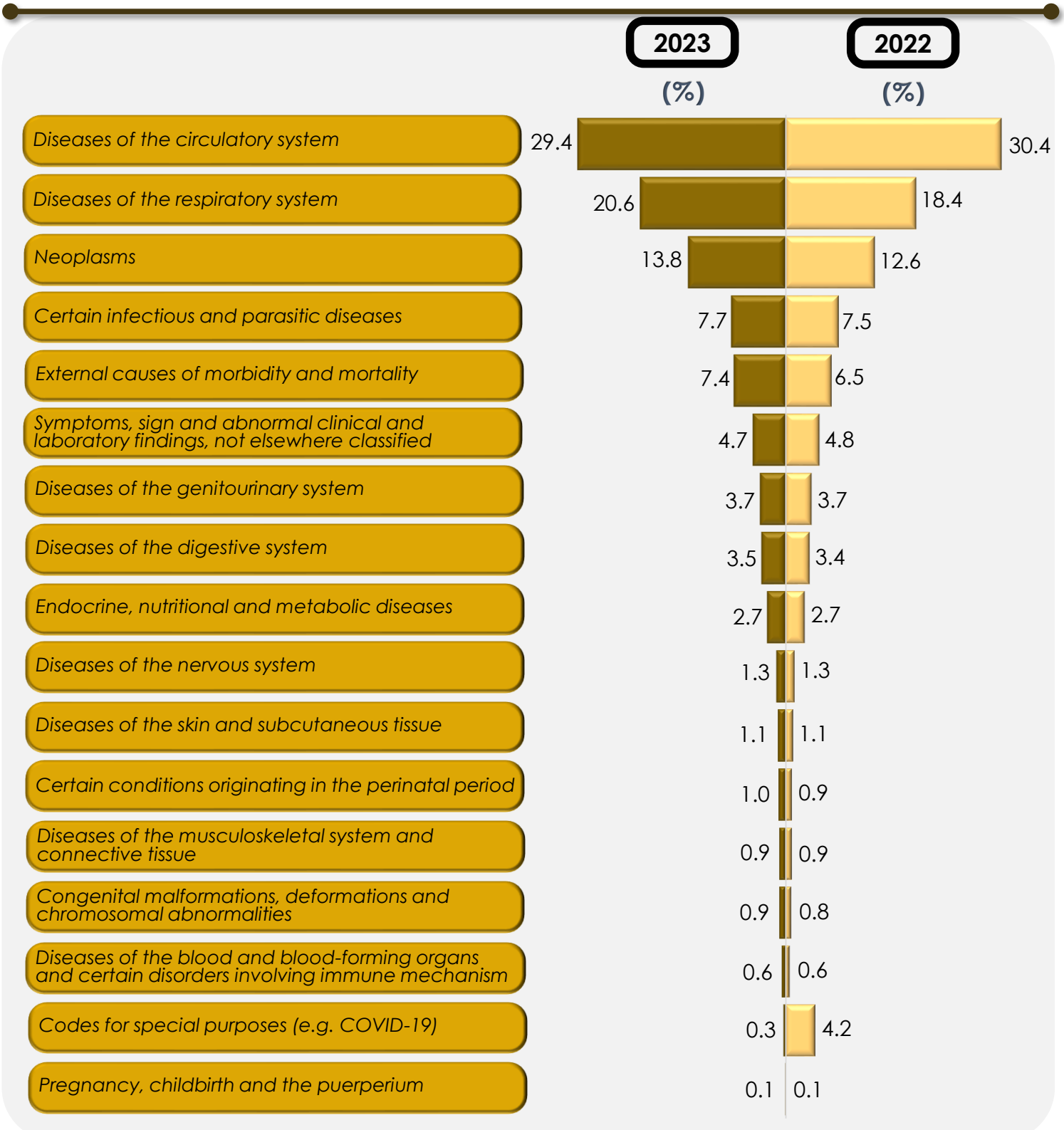
Sebab kematian utama mengikut kumpulan etnik



Nota:
1. Data merujuk tahun 2023.
2. Analisis adalah berdasarkan sebab kematian yang disahkan secara perubatan yang mewakili 60.7 peratus daripada jumlah kematian.

Sumber: Perangkaan Sebab Kematian, Malaysia, 2024, Jabatan Perangkaan Malaysia (DOSM)

Kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2022-2023



Nota: Analisis adalah berdasarkan sebab kematian yang disahkan secara perubatan yang mewakili 60.7 peratus daripada jumlah kematian.

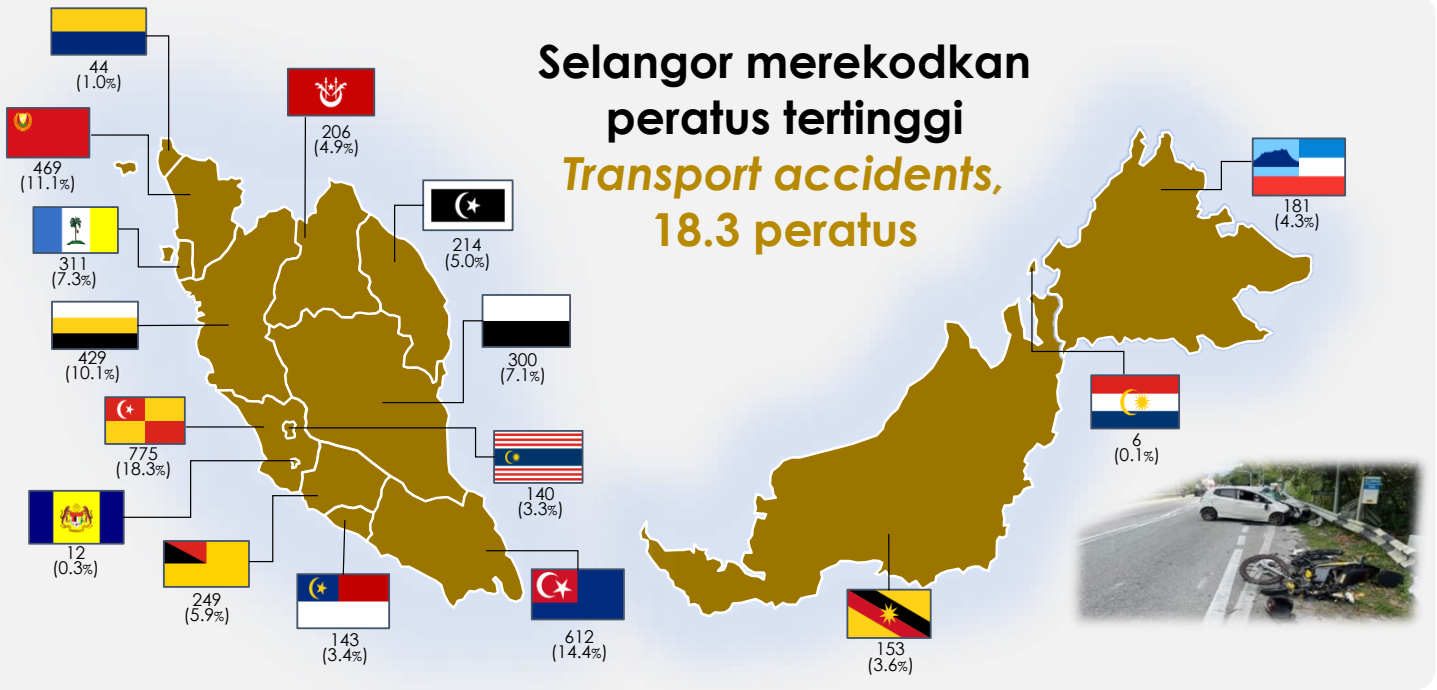
Sumber: Perangkaan Sebab Kematian, Malaysia, 2024, Jabatan Perangkaan Malaysia (DOSM)

3 Sebab kematian utama mengikut negeri, Malaysia, 2023

JOHOR	15,357	KEDAH	12,036	KELANTAN	7,019	MELAKA	3,551
	: 2,553 (16.6%)		: 2,278 (18.9%)		: 1,299 (18.5%)		: 628 (17.7%)
	: 2,451 (16.0%)		: 2,157 (17.9%)		: 1,160 (16.5%)		: 409 (11.5%)
	: 1,069 (7.0%)		: 1,090 (9.1%)		: 536 (7.6%)		: 244 (6.9%)
NEGERI SEMBILAN	5,250	PAHANG	6,128	PERAK	12,791	PERLIS	1,334
	: 765 (14.6%)		: 999 (16.3%)		: 2,002 (15.7%)		: 248 (18.6%)
	: 655 (12.5%)		: 896 (14.6%)		: 1,999 (15.6%)		: 202 (15.1%)
	: 378 (7.2%)		: 444 (7.2%)		: 984 (7.7%)		: 111 (8.3%)
PULAU PINANG	7,839	SABAH	8,009	SARAWAK	7,786	SELANGOR	20,234
	: 1,394 (17.8%)		: 1,134 (14.2%)		: 773 (9.9%)		: 3,076 (15.2%)
	: 1,209 (15.4%)		: 635 (7.9%)		: 640 (8.2%)		: 3,072 (15.2%)
	: 415 (5.3%)		: 530 (6.6%)		: 552 (7.1%)		: 1,283 (6.3%)
TERENGGANU	5,087	W.P. KUALA LUMPUR	6,763	W.P. LABUAN	206	W.P. PUTRAJAYA	262
	: 776 (15.3%)		: 1,099 (16.3%)		: 28 (13.6%)		: 42 (16.0%)
	: 692 (13.6%)		: 989 (14.6%)		: 21 (10.2%)		: 21 (8.0%)
	: 514 (10.1%)		: 472 (7.0%)		: 17 (8.3%)		: 18 (6.9%)

Petunjuk:
Bilangan kematian | *Ischaemic heart diseases* | *Pneumonia* | *Cerebrovascular diseases*

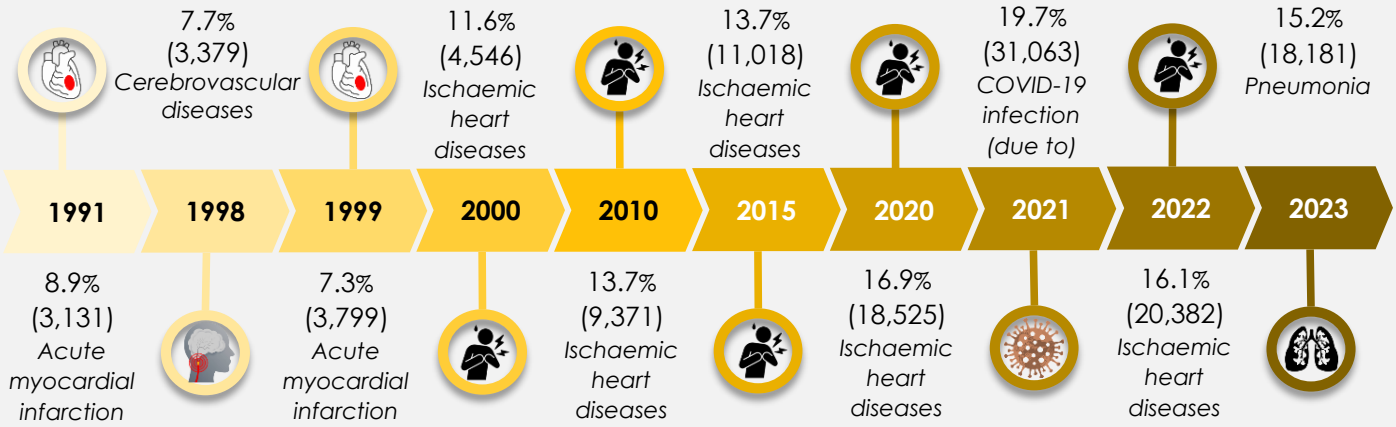
Sebab kematian utama *Transport accidents* mengikut negeri, 2023



Nota: Analisis adalah berdasarkan sebab kematian yang disahkan secara perubatan yang mewakili 60.7 peratus daripada jumlah kematian.

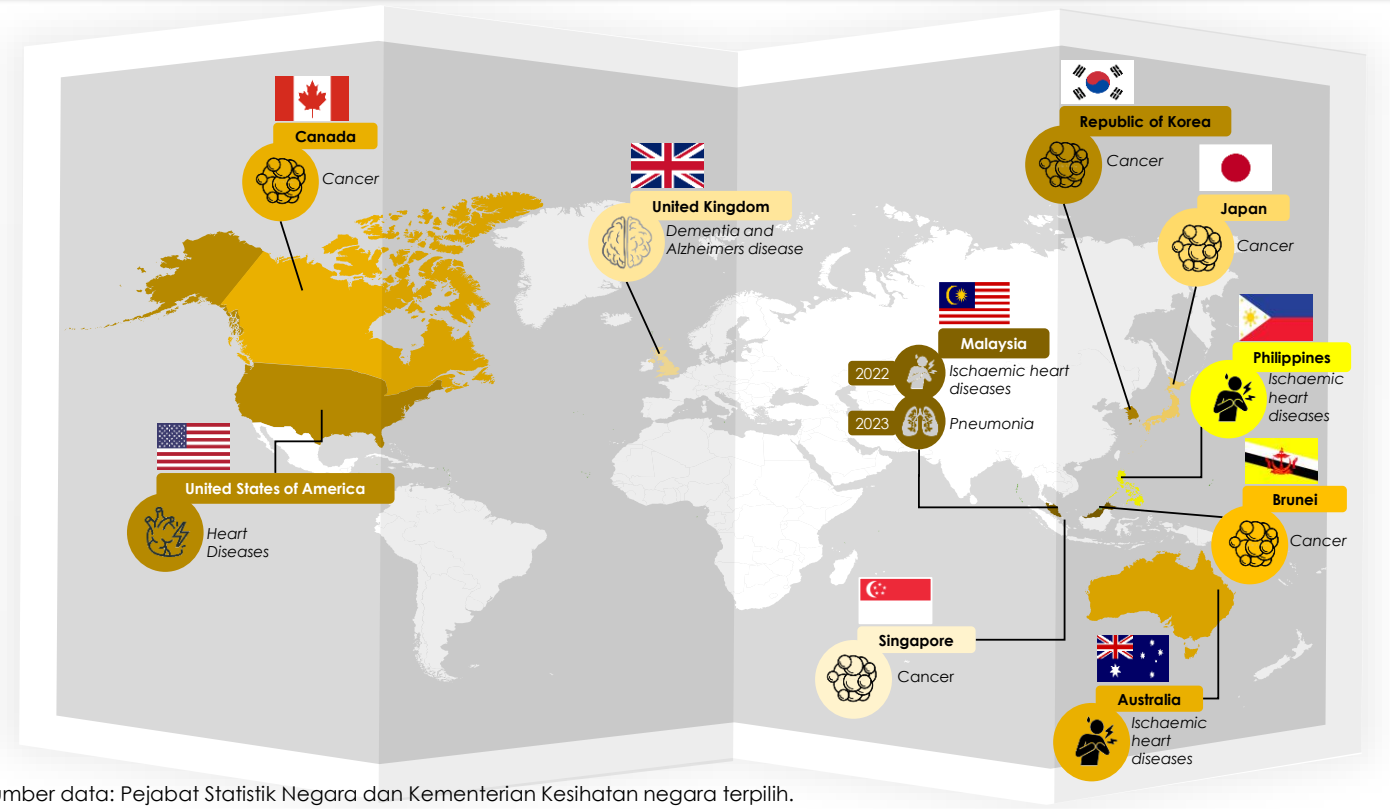
Sumber: Perangkaan Sebab Kematian, Malaysia, 2024, Jabatan Perangkaan Malaysia (DOSM)

Sebab kematian utama, Malaysia, 1991-2023



Nota:
1. 1991-1999: *International Statistical Classification of Diseases and Related Health Problems, 9th Revision (ICD-9)*
2. 2000-2023: *International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10)*

Sebab kematian utama bagi negara terpilih, 2022



Sumber data: Pejabat Statistik Negara dan Kementerian Kesihatan negara terpilih.
Nota: Analisis adalah berdasarkan sebab kematian yang disahkan secara perubatan yang mewakili 60.7 peratus daripada jumlah kematian.

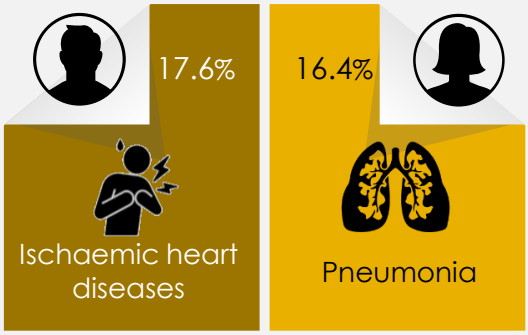
Sumber: Perangkaan Sebab Kematian, Malaysia, 2024, Jabatan Perangkaan Malaysia (DOSM)

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

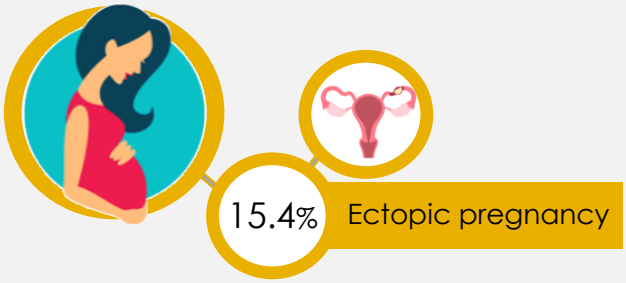
10 Principal causes of death 2023

1	Pneumonia	15.2%
2	Ischaemic heart diseases	15.1%
3	Cerebrovascular diseases	7.2%
4	Transport accidents	3.5%
5	Malignant neoplasm of trachea, bronchus and lung	2.0%
6	Chronic lower respiratory diseases	1.8%
7	Malignant neoplasm of colon, rectum and anus	1.7%
8	Diabetes mellitus	1.7%
9	Hypertensive diseases	1.5%
10	Malignant neoplasm of breast	1.4%

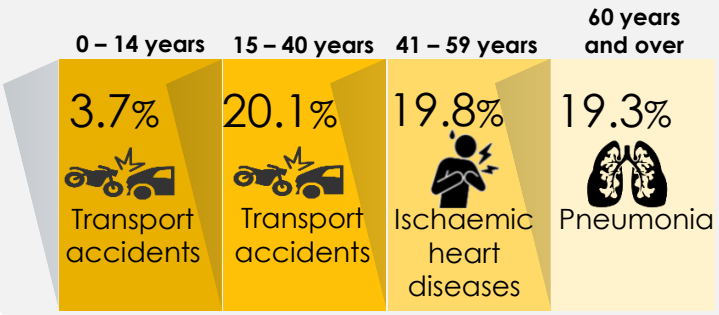
The principal causes of death by sex



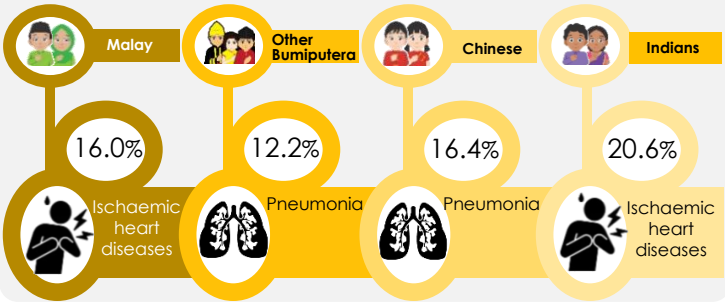
The principal causes of maternal death



The principal causes of death by age group



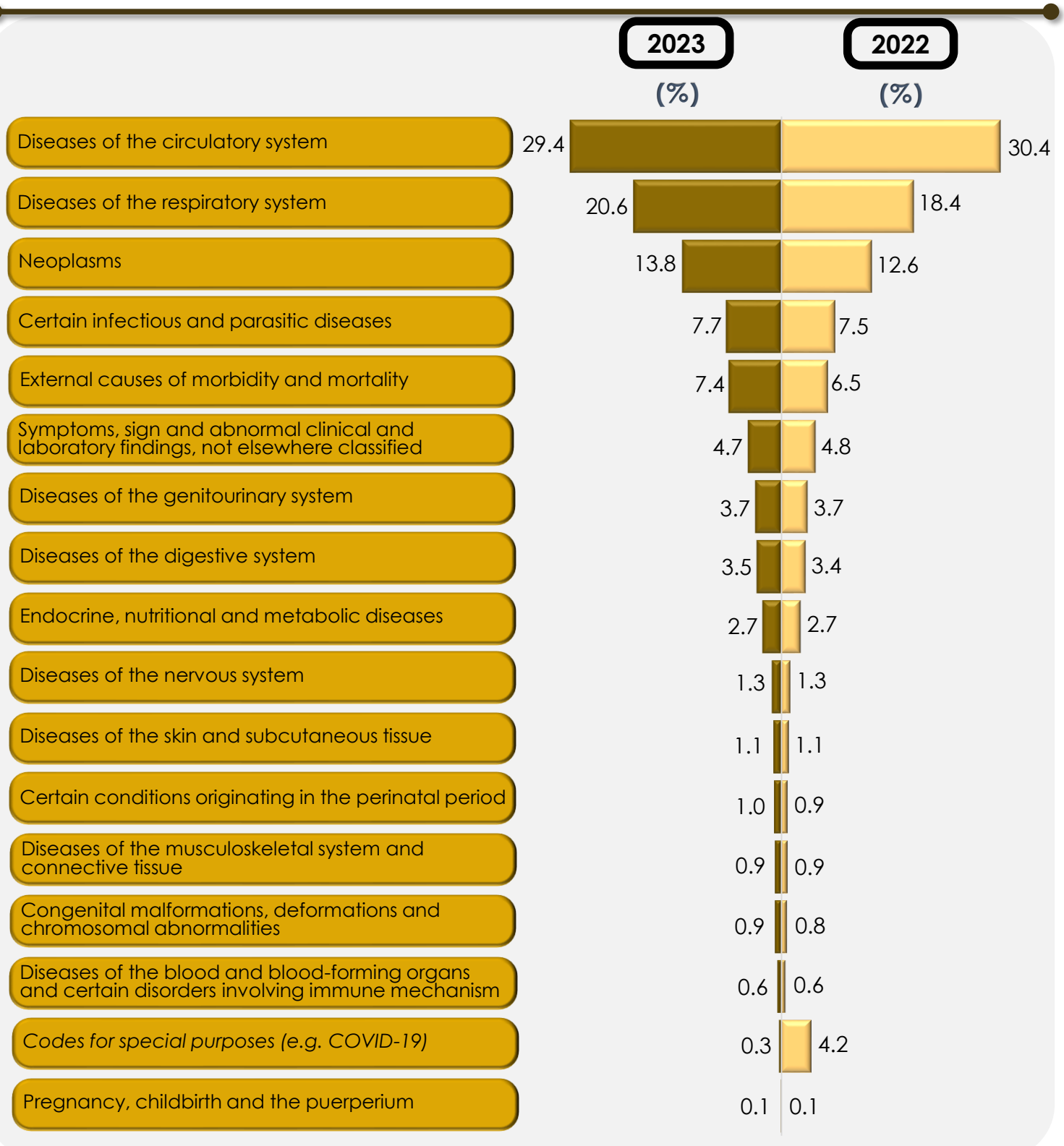
The principal causes of death by ethnic group



Notes:
1. Data refer to 2023.
2. The analysis is based on medically certified causes of death which represent 60.7 per cent of total deaths.

Source: Statistics on Causes of Death, Malaysia, 2024, Department of Statistics Malaysia (DOSM)

Medically certified causes of death by Chapter ICD-10, Malaysia, 2022-2023



Note: The analysis is based on medically certified causes of death which represent 60.7 per cent of total deaths.

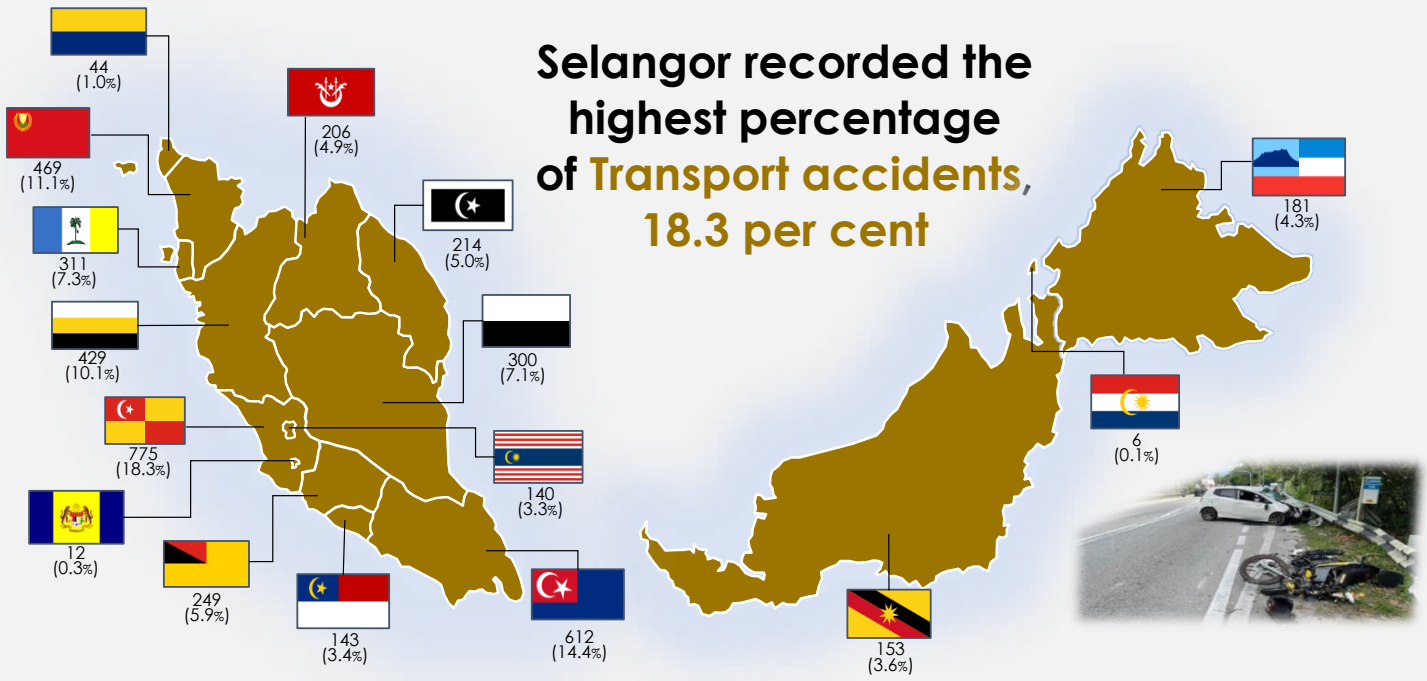
Source: Statistics on Causes of Death, Malaysia, 2024, Department of Statistics Malaysia (DOSM)

3 Principal causes of death by state, 2023

JOHOR	15,357	KEDAH	12,036	KELANTAN	7,019	MELAKA	3,551
	: 2,553 (16.6%)		: 2,278 (18.9%)		: 1,299 (18.5%)		: 628 (17.7%)
	: 2,451 (16.0%)		: 2,157 (17.9%)		: 1,160 (16.5%)		: 409 (11.5%)
	: 1,069 (7.0%)		: 1,090 (9.1%)		: 536 (7.6%)		: 244 (6.9%)
NEGERI SEMBILAN	5,250	PAHANG	6,128	PERAK	12,791	PERLIS	1,334
	: 765 (14.6%)		: 999 (16.3%)		: 2,002 (15.7%)		: 248 (18.6%)
	: 655 (12.5%)		: 896 (14.6%)		: 1,999 (15.6%)		: 202 (15.1%)
	: 378 (7.2%)		: 444 (7.2%)		: 984 (7.7%)		: 111 (8.3%)
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	: 415 (5.3%)		: 530 (6.6%)		: 552 (7.1%)		: 1,283 (6.3%)
TERENGGANU	5,087	W.P. KUALA LUMPUR	6,763	W.P. LABUAN	206	W.P. PUTRAJAYA	262
	: 776 (15.3%)		: 1,099 (16.3%)		: 28 (13.6%)		: 42 (16.0%)
	: 692 (13.6%)		: 989 (14.6%)		: 21 (10.2%)		: 21 (8.0%)
	: 514 (10.1%)		: 472 (7.0%)		: 17 (8.3%)		: 18 (6.9%)

Legend:
Number of deaths | Ischaemic heart diseases | Pneumonia | Cerebrovascular diseases

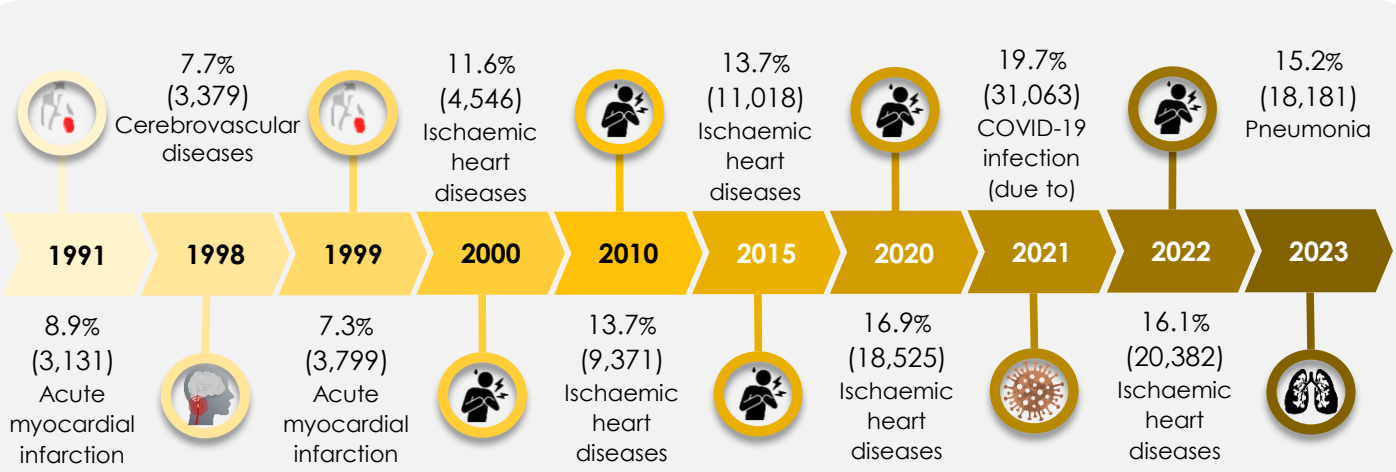
The Principal causes of death for Transport accidents by state, 2023



Note: The analysis is based on medically certified causes of death which represent 60.7 per cent of total deaths.

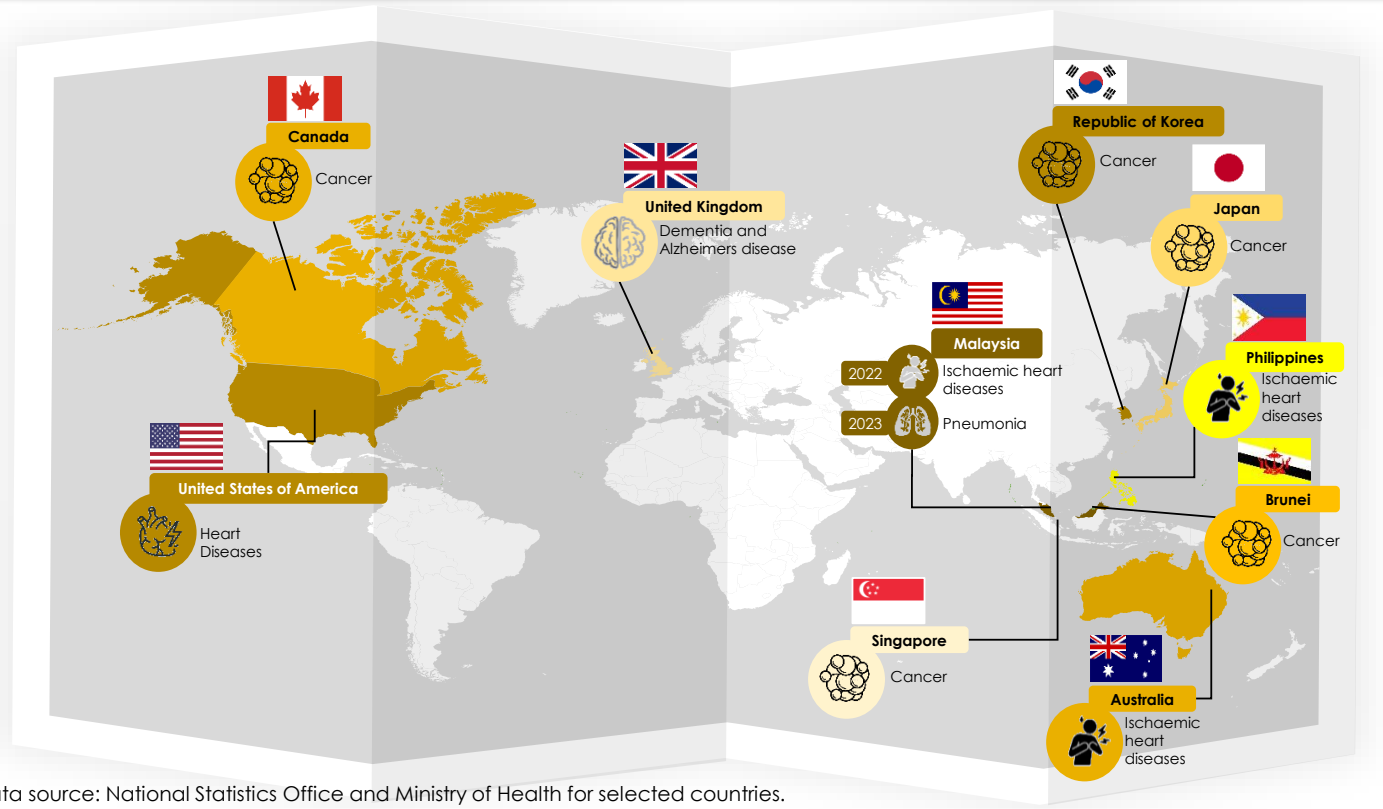
Source: Statistics on Causes of Death, Malaysia, 2024, Department of Statistics Malaysia (DOSM)

The principal causes of death, Malaysia, 1991-2023



Notes:
1. 1991-1999: International Statistical Classification of Diseases and Related Health Problems, 9th Revision (ICD-9).
2. 2000-2023: International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10).

The principal causes of death by selected countries, 2022



Data source: National Statistics Office and Ministry of Health for selected countries.
Note: The analysis is based on medically certified causes of death which represent 60.7 per cent of total deaths.

Source: Statistics on Causes of Death, Malaysia, 2024, Department of Statistics Malaysia (DOSM)

SEPINTAS LALU PERANGKAAN SEBAB KEMATIAN MENGIKUT NEGERI

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, MALAYSIA, 2023

MALAYSIA

112,293 (57.0%) kematian

196,965 kematian

84,672 (43.0%) kematian

PURATA

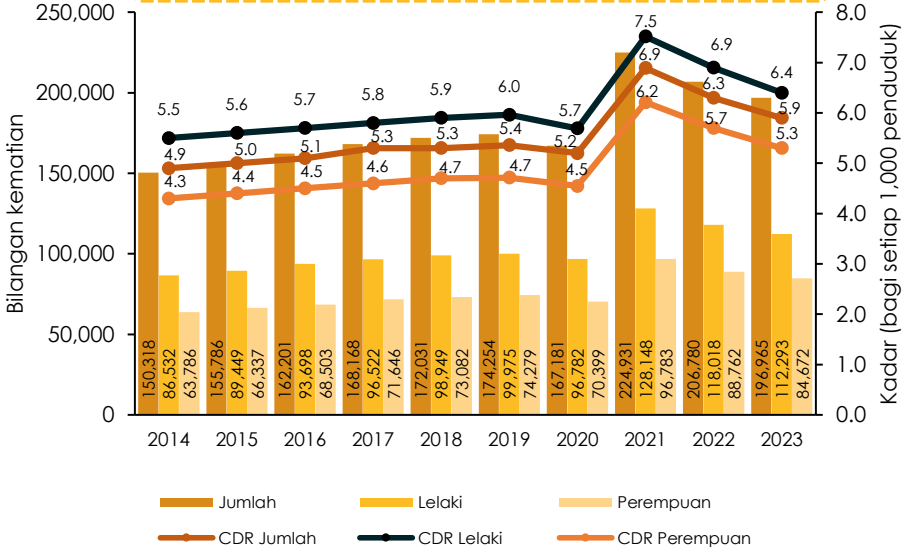
1 kematian setiap **3** minit

22 kematian setiap jam

540 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), MALAYSIA, 2014-2023

Kematian pada 2023 menurun **4.7 peratus** (9,815 kematian) berbanding 2022 (206,780 kematian)



SEBAB KEMATIAN UTAMA[1]

Pneumonia merupakan sebab kematian utama di **Malaysia** tahun 2023

15.2%

Ischaemic heart diseases

17.6%

Pneumonia

16.4%

Ectopic pregnancy merupakan sebab kematian utama bagi ibu bersalin

15.4%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, MALAYSIA, 2023

1 ***Diseases of the circulatory system***

29.4%
30.4%

2 ***Diseases of the respiratory system***

20.6%
18.5%

3 ***Neoplasms***

13.8%
12.6%

4 ***Certain infectious and parasitic diseases***

7.7%
7.4%

5 ***External causes of morbidity and mortality***

7.4%
6.8%

Nota:
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, MALAYSIA, 2023



Melayu (64,914 kematian)

1	*Ischaemic heart diseases*	**16.0%**
2	*Pneumonia*	**15.3%**
3	*Cerebrovascular diseases*	**7.9%**
4	*Transport accidents*	**4.2%**
5	*Diabetes mellitus*	**2.0%**



Bumiputera Lain (10,306 kematian)

1	*Pneumonia*	**12.2%**
2	*Ischaemic heart diseases*	**8.0%**
3	*Cerebrovascular diseases*	**6.9%**
4	*Chronic lower respiratory diseases*	**3.1%**
5	*Transport accidents*	**2.9%**



Cina (29,733 kematian)

1	*Pneumonia*	**16.4%**
2	*Ischaemic heart diseases*	**14.0%**
3	*Cerebrovascular diseases*	**6.7%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**3.0%**
5	*Malignant neoplasm of colon, rectum and anus*	**2.9%**



India (11,439 kematian)

1	*Ischaemic heart diseases*	**20.6%**
2	*Pneumonia*	**14.3%**
3	*Cerebrovascular diseases*	**5.4%**
4	*Transport accidents*	**4.7%**
5	*Diseases of the liver*	**2.7%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, MALAYSIA, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	24.7%
Edward's syndrome and Patau's syndrome	7.1%
Cardiovascular disorders originating in the perinatal period	6.6%
Intracranial nontraumatic haemorrhage of fetus and newborn	3.8%
Bacterial sepsis of newborn	3.5%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	18.8%
Cardiovascular disorders originating in the perinatal period	6.8%
Bacterial sepsis of newborn	6.6%
Edward's syndrome and Patau's syndrome	6.3%
Intracranial nontraumatic haemorrhage of fetus and newborn	3.7%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	44.2%
Congenital malformations, deformations and chromosomal abnormalities	30.8%
Pneumonia	1.9%
Whooping cough	0.7%
Meningitis	0.6%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	12.5%
Transport accidents	6.6%
Pneumonia	6.0%
Influenza	3.0%
Leukaemia	2.7%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	36.4%
Congenital malformations, deformations and chromosomal	27.5%
Pneumonia	2.6%
Transport accidents	1.5%
Meningitis	0.7%

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, MALAYSIA, 2023



0-14 TAHUN
(4,356 kematian)

Transport accidents	3.7%
Pneumonia	3.2%
Leukaemia	1.5%
Malignant neoplasm of meninges, brain and other parts of central nervous system	1.1%
Cerebrovascular diseases	0.8%



15-40 TAHUN
(12,099 kematian)

Transport accidents	20.1%
Ischaemic heart diseases	8.3%
Pneumonia	7.2%
Intentional self-harm	5.0%
Cerebrovascular diseases	3.6%



41-59 TAHUN
(28,601 kematian)

Ischaemic heart diseases	19.8%
Pneumonia	9.8%
Cerebrovascular diseases	7.6%
Transport accidents	3.2%
Malignant neoplasm of breast	2.7%



60 TAHUN DAN LEBIH
(74,596 kematian)

Pneumonia	19.3%
Ischaemic heart diseases	15.3%
Cerebrovascular diseases	8.1%
Chronic lower respiratory diseases	2.4%
Malignant neoplasm of trachea, bronchus and lung	2.2%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, MALAYSIA, 2023

Kumpulan umur	*Pneumonia*	*Ischaemic heart diseases*	*Cerebrovascular diseases*	*Transport accidents*	*Malignant neoplasm of trachea, bronchus and lung*
Jumlah	**18,181**	**18,121**	**8,657**	**4,244**	**2,373**
0	54 (0.3%)	-	-	12 (0.3%)	-
1-4	36 (0.2%)	-	-	40 (0.9%)	-
5-9	21 (0.1%)	-	-	20 (0.5%)	-
10-14	28 (0.2%)	-	7 (0.1%)	90 (2.1%)	-
15-19	54 (0.3%)	4 (0.0%)	16 (0.2%)	616 (14.5%)	-
20-24	89 (0.5%)	34 (0.2%)	22 (0.3%)	642 (15.1%)	2 (0.1%)
25-29	133 (0.7%)	93 (0.5%)	44 (0.5%)	432 (10.2%)	12 (0.5%)
30-34	202 (1.1%)	236 (1.3%)	88 (1.0%)	364 (8.6%)	12 (0.5%)
35-39	308 (1.7%)	476 (2.6%)	211 (2.4%)	334 (7.9%)	31 (1.3%)
40-44	401 (2.2%)	877 (4.8%)	321 (3.7%)	272 (6.4%)	66 (2.8%)
45-49	574 (3.2%)	1,253 (6.9%)	495 (5.7%)	253 (6.0%)	115 (4.8%)
50-54	747 (4.1%)	1,599 (8.8%)	598 (6.9%)	223 (5.3%)	194 (8.2%)
55-59	1,157 (6.4%)	2,100 (11.6%)	813 (9.4%)	215 (5.1%)	285 (12.0%)
60-64	1,640 (9.0%)	2,259 (12.5%)	970 (11.2%)	206 (4.9%)	370 (15.6%)
65-69	2,268 (12.5%)	2,431 (13.4%)	1,076 (12.4%)	173 (4.1%)	421 (17.7%)
70-74	2,637 (14.5%)	2,223 (12.3%)	1,133 (13.1%)	179 (4.2%)	360 (15.2%)
75-79	2,668 (14.7%)	1,770 (9.8%)	1,052 (12.2%)	99 (2.3%)	268 (11.3%)
80-84	2,392 (13.2%)	1,414 (7.8%)	884 (10.2%)	48 (1.1%)	155 (6.5%)
85 dan lebih	2772 (15.2%)	1352 (7.5%)	927 (10.7%)	26 (0.6%)	82 (3.5%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, JOHOR, 2023

JOHOR

14,200 (57.5%) kematian

24,705 kematian

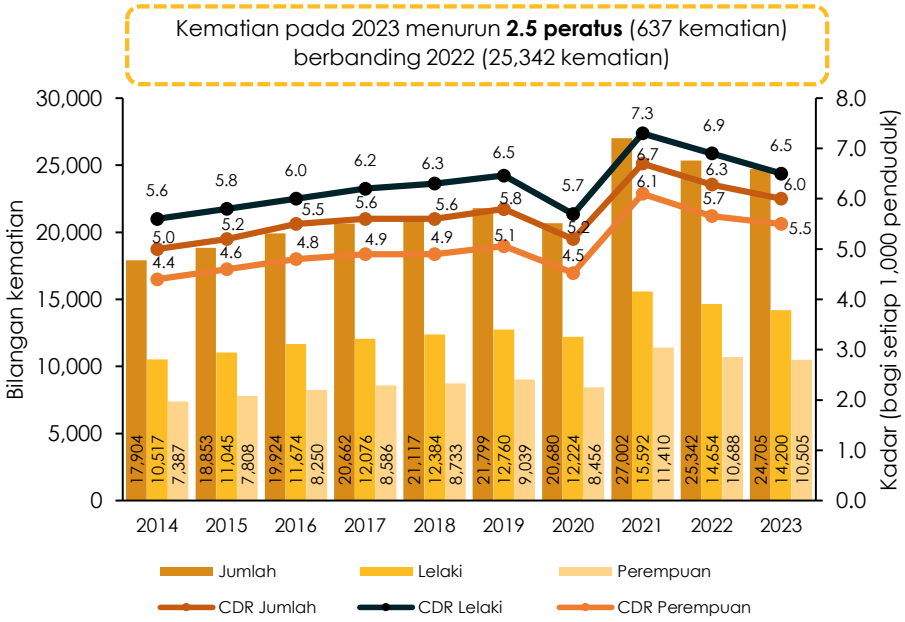
10,505 (42.5%) kematian

PURATA

3 kematian setiap jam

68 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), JOHOR, 2014-2023



SEBAB KEMATIAN UTAMA[1]

Ischaemic heart diseases merupakan sebab kematian utama di **Johor** tahun 2023

16.6%

Ischaemic heart diseases

19.1%

Pneumonia

17.1%

Ectopic pregnancy merupakan sebab kematian utama bagi ibu bersalin

25.0%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, JOHOR, 2023

1 ***Diseases of the circulatory system***

31.2%
31.8%

2 ***Diseases of the respiratory system***

21.2%
18.7%

3 ***Neoplasms***

12.8%
12.3%

4 ***External causes of morbidity and mortality***

8.3%
6.8%

5 ***Certain infectious and parasitic diseases***

7.5%
7.6%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, JOHOR, 2023



Melayu (8,728 kematian)

1	*Ischaemic heart diseases*	**16.4%**
2	*Pneumonia*	**15.7%**
3	*Cerebrovascular diseases*	**7.1%**
4	*Transport accidents*	**4.5%**
5	*Hypertensive diseases*	**1.9%**



Bumiputera Lain (157 kematian)

1	*Ischaemic heart diseases*	**20.4%**
2	*Pneumonia*	**10.2%**
3	*Cerebrovascular diseases*	**5.7%**
4	*Transport accidents*	**4.5%**
5	*Malignant neoplasm of liver and intrahepatic bile ducts*	**2.5%**



Cina (4,627 kematian)

1	*Pneumonia*	**17.6%**
2	*Ischaemic heart diseases*	**15.5%**
3	*Cerebrovascular diseases*	**6.7%**
4	*Malignant neoplasm of colon, rectum and anus*	**2.9%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**2.5%**



India (1,379 kematian)

1	*Ischaemic heart diseases*	**22.3%**
2	*Pneumonia*	**13.4%**
3	*Transport accidents*	**6.0%**
4	*Cerebrovascular diseases*	**5.6%**
5	*Intentional self-harm*	**2.2%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, JOHOR, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	21.9%
Cardiovascular disorders originating in the perinatal period	7.5%
Bacterial sepsis of newborn	6.2%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.5%
Bacterial sepsis of newborn	11.0%
Cardiovascular disorders originating in the perinatal period	7.0%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	43.2%
Congenital malformations, deformations and chromosomal abnormalities	30.1%
Pneumonia	3.1%

KANAK-KANAK 1-4 TAHUN

Transport accidents	11.9%
Congenital malformations, deformations and chromosomal abnormalities	10.2%
Leukaemia	6.8%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	36.5%
Congenital malformations, deformations and chromosomal abnormalities	27.0%
Pneumonia	3.7%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, JOHOR, 2023



0-14 TAHUN
(504 kematian)

Pneumonia	4.8%
Transport accidents	4.4%
Malignant neoplasm of meninges, brain and other parts of central nervous system	2.0%



15-40 TAHUN
(1,598 kematian)

Transport accidents	22.1%
Ischaemic heart diseases	8.7%
Pneumonia	7.3%



41-59 TAHUN
(3,855 kematian)

Ischaemic heart diseases	21.0%
Pneumonia	10.2%
Cerebrovascular diseases	8.2%



60 TAHUN DAN LEBIH
(9,400 kematian)

Pneumonia	20.4%
Ischaemic heart diseases	17.1%
Cerebrovascular diseases	7.5%

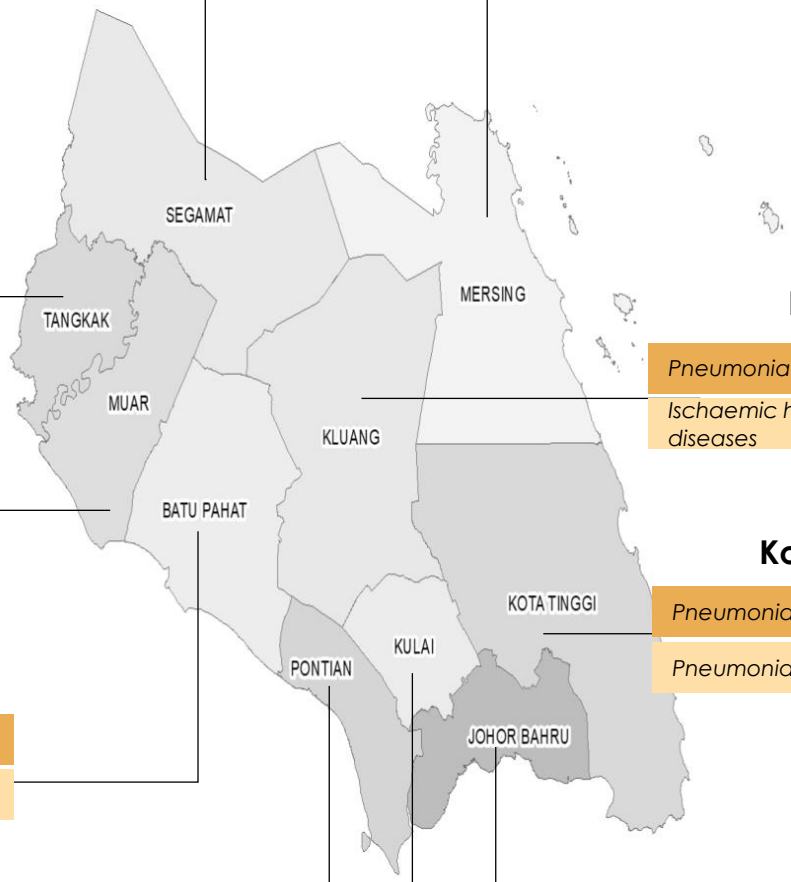
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, JOHOR, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Malignant neoplasm of colon, rectum and anus*
Jumlah	**2,553**	**2,451**	**1,069**	**612**	**274**
0	-	10 (0.4%)	-	-	-
1-4	-	4 (0.2%)	-	7 (1.1%)	-
5-9	-	4 (0.2%)	-	1 (0.2%)	-
10-14	-	6 (0.2%)	-	14 (2.3%)	-
15-19	-	8 (0.3%)	2 (0.2%)	89 (14.5%)	-
20-24	5 (0.2%)	14 (0.6%)	-	104 (17.0%)	2 (0.7%)
25-29	13 (0.5%)	22 (0.9%)	5 (0.5%)	62 (10.1%)	3 (1.1%)
30-34	33 (1.3%)	26 (1.1%)	11 (1.0%)	53 (8.7%)	5 (1.8%)
35-39	65 (2.5%)	37 (1.5%)	25 (2.3%)	37 (6.0%)	5 (1.8%)
40-44	122 (4.8%)	58 (2.4%)	41 (3.8%)	39 (6.4%)	10 (3.6%)
45-49	169 (6.6%)	64 (2.6%)	83 (7.8%)	38 (6.2%)	10 (3.6%)
50-54	235 (9.2%)	100 (4.1%)	85 (8.0%)	43 (7.0%)	23 (8.4%)
55-59	307 (12.0%)	179 (7.3%)	114 (10.7%)	21 (3.4%)	26 (9.5%)
60-64	336 (13.2%)	233 (9.5%)	116 (10.9%)	29 (4.7%)	45 (16.4%)
65-69	341 (13.4%)	330 (13.5%)	131 (12.3%)	25 (4.1%)	41 (15.0%)
70-74	315 (12.3%)	347 (14.2%)	135 (12.6%)	25 (4.1%)	46 (16.8%)
75-79	226 (8.9%)	347 (14.2%)	122 (11.4%)	14 (2.3%)	35 (12.8%)
80-84	189 (7.4%)	320 (13.1%)	96 (9.0%)	6 (1.0%)	16 (5.8%)
85 dan lebih	197 (7.7%)	342 (14.0%)	103 (9.6%)	5 (0.8%)	7 (2.6%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, JOHOR



Mersing

Pneumonia	57(14.8%)
Pneumonia	60 (13.4%)

Segamat

Ischaemic heart diseases	173 (17.7%)
Ischaemic heart diseases	187 (17.0%)

Tangkak

Ischaemic heart diseases	177 (23.4%)
Ischaemic heart diseases	130 (17.5%)

Kluang

Pneumonia	258 (16.5%)
Ischaemic heart diseases	289 (18.6%)

Muar

Ischaemic heart diseases	230 (19.9%)
Ischaemic heart diseases	300 (22.1%)

Kota Tinggi

Pneumonia	203 (16.9%)
Pneumonia	242 (16.7%)

Batu Pahat

Ischaemic heart diseases	375 (17.8%)
Ischaemic heart diseases	699 (25.6%)

Johor Bahru

Pneumonia	787 (15.2%)
Ischaemic heart diseases	781 (15.0%)

Pontian

Pneumonia	166 (16.9%)
Ischaemic heart diseases	170 (16.1%)

Kulai

Ischaemic heart diseases	193 (18.1%)
Ischaemic heart diseases	198 (18.4%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, KEDAH, 2023



KEDAH



9,301 (55.9%) kematian



16,643 kematian



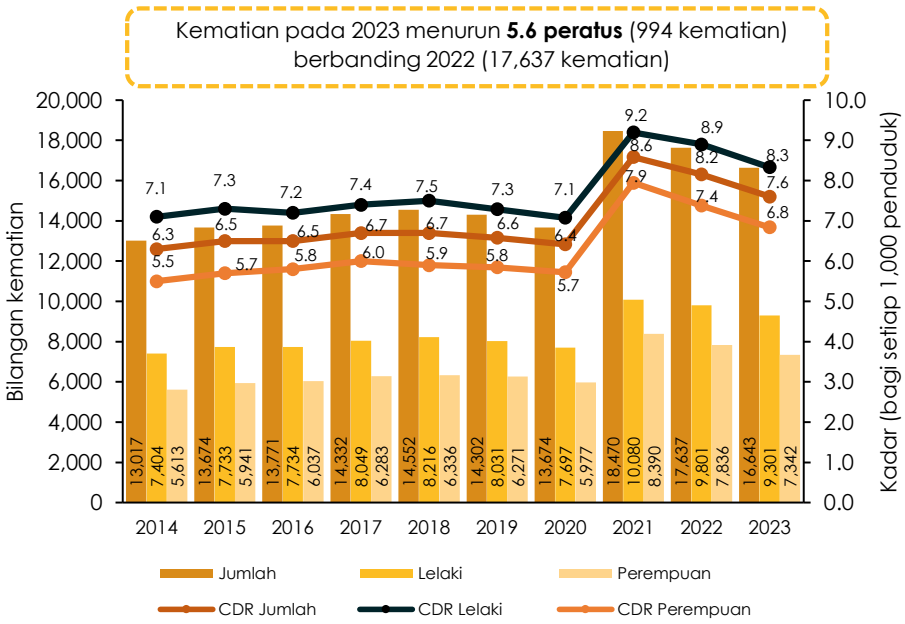
7,342 (44.1%) kematian

PURATA

2 kematian setiap jam

46 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), KEDAH, 2014-2023



SEBAB KEMATIAN UTAMA[1]



Ischaemic heart diseases merupakan sebab kematian utama di **Kedah** tahun 2023

18.9%



Ischaemic heart diseases

21.5%



Pneumonia

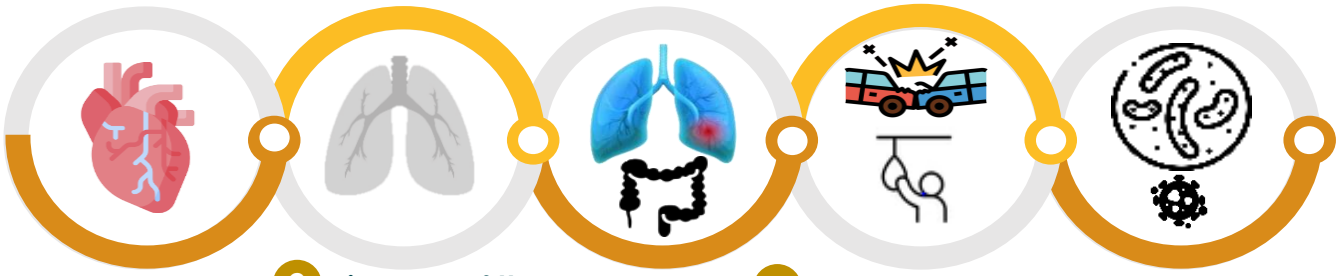
19.9%



Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium

30.8% merupakan sebab kematian utama bagi ibu bersalin

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, KEDAH, 2023



1 ***Diseases of the circulatory system***

34.8%
32.0%

2 ***Diseases of the respiratory system***

23.8%
21.7%

3 ***Neoplasms***

9.7%
8.7%

4 ***External causes of morbidity and mortality***

6.4%
7.1%

5 ***Certain infectious and parasitic diseases***

5.9%
6.2%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, KEDAH, 2023



Melayu (9,319 kematian)

1	*Ischaemic heart diseases*	**19.0%**
2	*Pneumonia*	**18.2%**
3	*Cerebrovascular diseases*	**9.3%**
4	*Transport accidents*	**4.0%**
5	*Diabetes mellitus*	**3.2%**



Bumiputera Lain (10 kematian)

1	*Ischaemic heart diseases*	**20.0%**
2	*Pneumonia*	**20.0%**
3	*Malignant neoplasm of pancreas*	**10.0%**

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 4 hingga 5 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.



Cina (1,557 kematian)

1	*Pneumonia*	**17.7%**
2	*Ischaemic heart diseases*	**17.2%**
3	*Cerebrovascular diseases*	**9.3%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**2.6%**
5	*Transport accidents*	**2.6%**



India (951 kematian)

1	*Ischaemic heart diseases*	**20.0%**
2	*Pneumonia*	**15.2%**
3	*Cerebrovascular diseases*	**7.0%**
4	*Transport accidents*	**4.7%**
5	*Diabetes mellitus*	**3.7%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, KEDAH, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.9%
Cardiovascular disorders originating in the perinatal period	8.0%
Anencephaly and similar malformations	6.8%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.6%
Bacterial sepsis of newborn	8.4%
Cardiovascular disorders originating in the perinatal period	6.7%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	46.6%
Congenital malformations, deformations and chromosomal abnormalities	28.8%
Pneumonia	3.1%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	11.6%
Transport accidents	11.6%
Pneumonia	7.0%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	38.0%
Congenital malformations, deformations and chromosomal abnormalities	25.6%
Pneumonia	3.8%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, KEDAH, 2023



0-14 TAHUN
(321 kematian)

Transport accidents	6.5%
Pneumonia	5.3%
Leukaemia	1.6%



15-40 TAHUN
(1,111 kematian)

Transport accidents	22.1%
Pneumonia	10.8%
Ischaemic heart diseases	7.1%



41-59 TAHUN
(2,692 kematian)

Ischaemic heart diseases	22.4%
Pneumonia	13.6%
Cerebrovascular diseases	8.7%



60 TAHUN DAN LEBIH
(7,912 kematian)

Pneumonia	20.9%
Ischaemic heart diseases	20.1%
Cerebrovascular diseases	10.2%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, KEDAH, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Diabetes mellitus*
Jumlah	**2,278**	**2,157**	**1,090**	**469**	**370**
0	-	6 (0.3%)	-	3 (0.6%)	-
1-4	-	3 (0.1%)	-	5 (1.1%)	-
5-9	-	3 (0.1%)	-	2 (0.4%)	-
10-14	-	5 (0.2%)	1 (0.1%)	11 (2.3%)	-
15-19	-	4 (0.2%)	2 (0.2%)	67 (14.3%)	-
20-24	3 (0.1%)	6 (0.3%)	2 (0.2%)	65 (13.9%)	-
25-29	11 (0.5%)	17 (0.8%)	9 (0.8%)	44 (9.4%)	1 (0.3%)
30-34	21 (0.9%)	32 (1.5%)	8 (0.7%)	30 (6.4%)	3 (0.8%)
35-39	34 (1.5%)	44 (2.0%)	18 (1.7%)	37 (7.9%)	3 (0.8%)
40-44	86 (3.8%)	56 (2.6%)	26 (2.4%)	25 (5.3%)	9 (2.4%)
45-49	143 (6.3%)	71 (3.3%)	57 (5.2%)	24 (5.1%)	11 (3.0%)
50-54	173 (7.6%)	106 (4.9%)	66 (6.1%)	21 (4.5%)	34 (9.2%)
55-59	212 (9.3%)	149 (6.9%)	94 (8.6%)	21 (4.5%)	39 (10.5%)
60-64	266 (11.7%)	216 (10.0%)	148 (13.6%)	38 (8.1%)	45 (12.2%)
65-69	275 (12.1%)	275 (12.7%)	143 (13.1%)	24 (5.1%)	56 (15.1%)
70-74	286 (12.6%)	298 (13.8%)	165 (15.1%)	27 (5.8%)	47 (12.7%)
75-79	263 (11.5%)	321 (14.9%)	133 (12.2%)	14 (3.0%)	54 (14.6%)
80-84	215 (9.4%)	233 (10.8%)	98 (9.0%)	8 (1.7%)	35 (9.5%)
85 dan lebih	290 (12.7%)	312 (14.5%)	120 (11.0%)	3 (0.6%)	33 (8.9%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, KEDAH

Pokok Sena

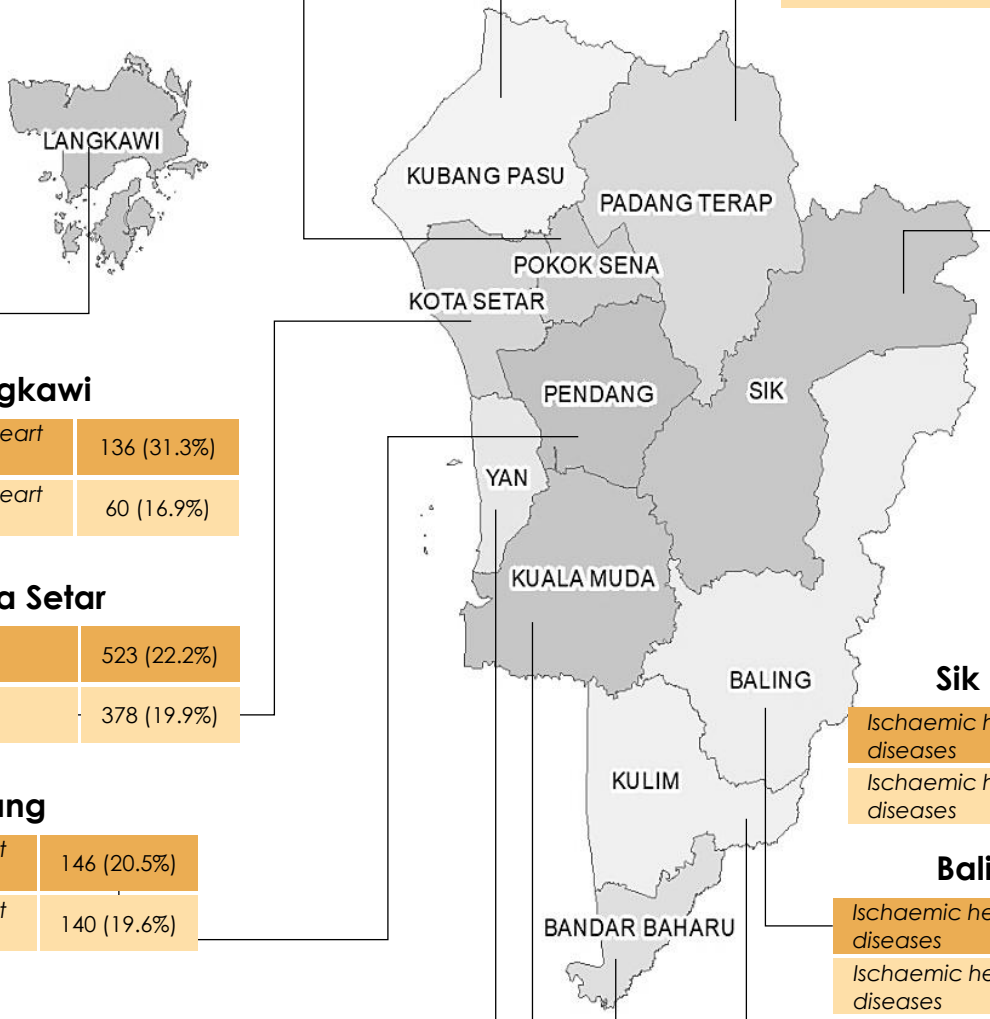
Pneumonia	68 (19.8%)
Pneumonia	59 (22.3%)

Kubang Pasu

Pneumonia	368 (26.3%)
Pneumonia	281 (22.2%)

Padang Terap

Ischaemic heart diseases	72 (18.9%)
Pneumonia	75 (21.4%)



Langkawi

Ischaemic heart diseases	136 (31.3%)
Ischaemic heart diseases	60 (16.9%)

Kota Setar

Pneumonia	523 (22.2%)
Pneumonia	378 (19.9%)

Sik

Ischaemic heart diseases	105 (23.0%)
Ischaemic heart diseases	98 (21.4%)

Pendang

Ischaemic heart diseases	146 (20.5%)
Ischaemic heart diseases	140 (19.6%)

Baling

Ischaemic heart diseases	202 (20.5%)
Ischaemic heart diseases	180 (17.4%)

Yan

Pneumonia	68 (18.6%)
Pneumonia	66 (21.7%)

Kulim

Ischaemic heart diseases	312 (20.7%)
Ischaemic heart diseases	266(18.3%)

Kuala Muda

Ischaemic heart diseases	465 (16.8%)
Ischaemic heart diseases	528 (20.0%)

Bandar Baharu

Pneumonia	54 (16.9%)
Pneumonia	42 (14.3%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, KELANTAN, 2023

KELANTAN

6,514 (55.0%) kematian

11,839 kematian

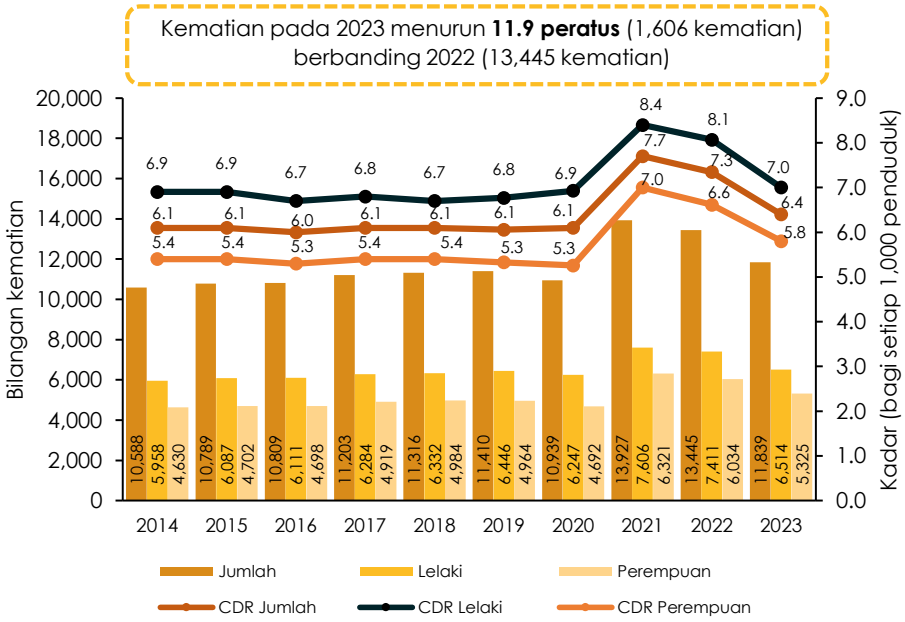
5,325 (45.0%) kematian

PURATA

1 kematian setiap jam

32 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), KELANTAN, 2014-2023



SEBAB KEMATIAN UTAMA[1]

Ischaemic heart diseases merupakan sebab kematian utama di **Kelantan** tahun 2023

18.5%

Ischaemic heart diseases **20.8%**

Pneumonia **17.9%**

Ectopic pregnancy merupakan sebab kematian utama bagi ibu bersalin

27.3%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, KELANTAN, 2023

1 ***Diseases of the circulatory system***

32.9%
37.3%

2 ***Diseases of the respiratory system***

20.7%
19.0%

3 ***Neoplasms***

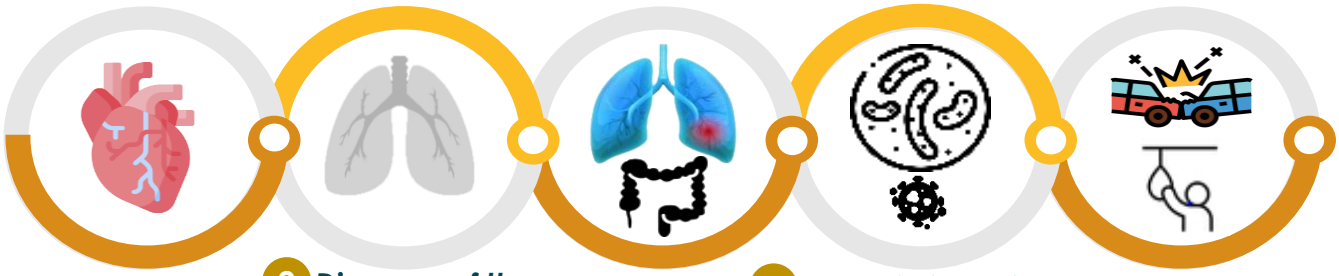
10.5%
8.3%

4 ***Certain infectious and parasitic diseases***

10.3%
9.4%

5 ***External causes of morbidity and mortality***

6.7%
5.6%



Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, KELANTAN, 2023



Melayu (6,575 kematian)

1	*Ischaemic heart diseases*	**18.7%**
2	*Pneumonia*	**16.5%**
3	*Cerebrovascular diseases*	**7.6%**
4	*Transport accidents*	**3.0%**
5	*Chronic lower respiratory diseases*	**1.8%**



Bumiputera Lain (56 kematian)

1	*Pneumonia*	**12.5%**
2	*Ischaemic heart diseases*	**8.9%**
3	*Cerebrovascular diseases*	**7.1%**
4	*Hypertensive diseases*	**3.6%**
5	*Respiratory tuberculosis*	**1.8%**



Cina (255 kematian)

1	*Pneumonia*	**19.6%**
2	*Ischaemic heart diseases*	**16.5%**
3	*Cerebrovascular diseases*	**8.2%**
4	*Malignant neoplasm of colon, rectum and anus*	**3.5%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**1.6%**



India (12 kematian)

1	*Ischaemic heart diseases*	**25.0%**
2	*Pneumonia*	**25.0%**
3	*Cerebrovascular diseases*	**8.3%**
4	*Chronic lower respiratory diseases*	**8.3%**

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 5 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, KELANTAN, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	20.3%
Edward's syndrome and Patau's syndrome	10.6%
Fetus and newborn affected by complications of placenta, cord and membranes	5.7%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	14.7%
Edward's syndrome and Patau's syndrome	7.6%
Cardiovascular disorders originating in the perinatal period	5.9%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	46.3%
Congenital malformations, deformations and chromosomal abnormalities	28.7%
Whooping cough	2.5%

KANAK-KANAK 1-4 TAHUN

Pneumonia	11.5%
Congenital malformations, deformations and chromosomal abnormalities	9.6%
Leukaemia	3.8%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	38.2%
Congenital malformations, deformations and chromosomal abnormalities	25.3%
Pneumonia	2.7%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, KELANTAN, 2023



0-14 TAHUN
(369 kematian)

Pneumonia	3.0%
Transport accidents	2.4%
Leukaemia	2.2%



15-40 TAHUN
(810 kematian)

Transport accidents	16.4%
Pneumonia	9.8%
Ischaemic heart diseases	9.3%



41-59 TAHUN
(1,641 kematian)

Ischaemic heart diseases	22.8%
Pneumonia	11.3%
Cerebrovascular diseases	8.5%



60 TAHUN DAN LEBIH
(4,199 kematian)

Pneumonia	21.1%
Ischaemic heart diseases	20.2%
Cerebrovascular diseases	8.7%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, KELANTAN, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Chronic lower respiratory diseases*
Jumlah	**1,299**	**1,160**	**536**	**206**	**123**
0	-	2 (0.2%)	-	2 (1.0%)	1 (0.8%)
1-4	-	6 (0.5%)	-	2 (1.0%)	-
5-9	-	1 (0.1%)	-	1 (0.5%)	-
10-14	-	2 (0.2%)	-	4 (1.9%)	-
15-19	-	4 (0.3%)	2 (0.4%)	42 (20.4%)	1 (0.8%)
20-24	4 (0.3%)	13 (1.1%)	3 (0.6%)	41 (19.9%)	-
25-29	6 (0.5%)	11 (0.9%)	3 (0.6%)	20 (9.7%)	1 (0.8%)
30-34	15 (1.2%)	18 (1.6%)	7 (1.3%)	15 (7.3%)	1 (0.8%)
35-39	36 (2.8%)	25 (2.2%)	13 (2.4%)	13 (6.3%)	-
40-44	59 (4.5%)	24 (2.1%)	21 (3.9%)	13 (6.3%)	2 (1.6%)
45-49	72 (5.5%)	40 (3.4%)	26 (4.9%)	7 (3.4%)	4 (3.3%)
50-54	106 (8.2%)	51 (4.4%)	45 (8.4%)	12 (5.8%)	4 (3.3%)
55-59	151 (11.6%)	79 (6.8%)	49 (9.1%)	7 (3.4%)	3 (2.4%)
60-64	161 (12.4%)	102 (8.8%)	43 (8.0%)	5 (2.4%)	12 (9.8%)
65-69	177 (13.6%)	145 (12.5%)	57 (10.6%)	8 (3.9%)	9 (7.3%)
70-74	207 (15.9%)	200 (17.2%)	68 (12.7%)	9 (4.4%)	24 (19.5%)
75-79	144 (11.1%)	191 (16.5%)	77 (14.4%)	3 (1.5%)	27 (22.0%)
80-84	84 (6.5%)	128 (11.0%)	66 (12.3%)	2 (1.0%)	21 (17.1%)
85 dan lebih	77 (5.9%)	118 (10.2%)	56 (10.4%)	-	13 (10.6%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, KELANTAN

Tumpat

Ischaemic heart diseases	125 (15.4%)
Ischaemic heart diseases	243 (26.3%)

Kota Bharu

Pneumonia	330 (18.1%)
Ischaemic heart diseases	594 (23.8%)

Pasir Mas

Ischaemic heart diseases	158 (19.2%)
Ischaemic heart diseases	259 (22.3%)

Bachok

Ischaemic heart diseases	145 (19.4%)
Ischaemic heart diseases	169 (23.9%)

Tanah Merah

Ischaemic heart diseases	111 (22.2%)
Ischaemic heart diseases	178 (25.1%)

Pasir Puteh

Ischaemic heart diseases	164 (17.0%)
Ischaemic heart diseases	165 (21.2%)

Jeli

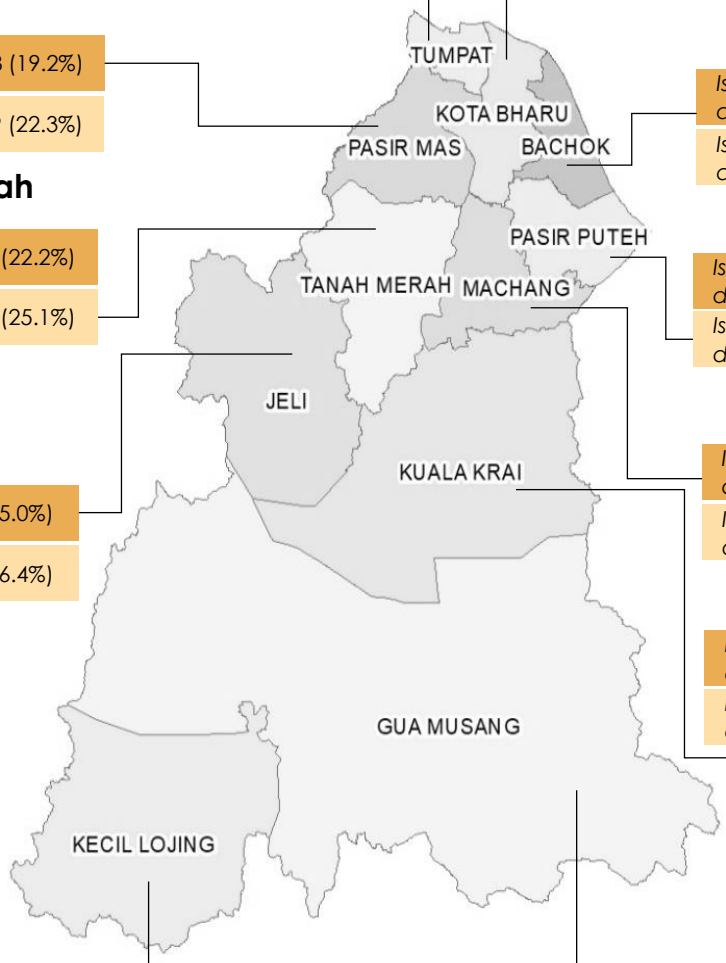
Ischaemic heart diseases	52 (25.0%)
Ischaemic heart diseases	65 (26.4%)

Machang

Ischaemic heart diseases	127 (23.7%)
Ischaemic heart diseases	127 (22.4%)

Kuala Krai

Ischaemic heart diseases	64 (19.7%)
Ischaemic heart diseases	147 (24.6%)



Kecil Lojing

Pneumonia	5 (16.1%)
Pneumonia	11 (24.4%)

Gua Musang

Pneumonia	44 (17.7%)
Pneumonia	41 (15.0%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, MELAKA, 2023



MELAKA



3,456 (55.8%) kematian



6,190 kematian



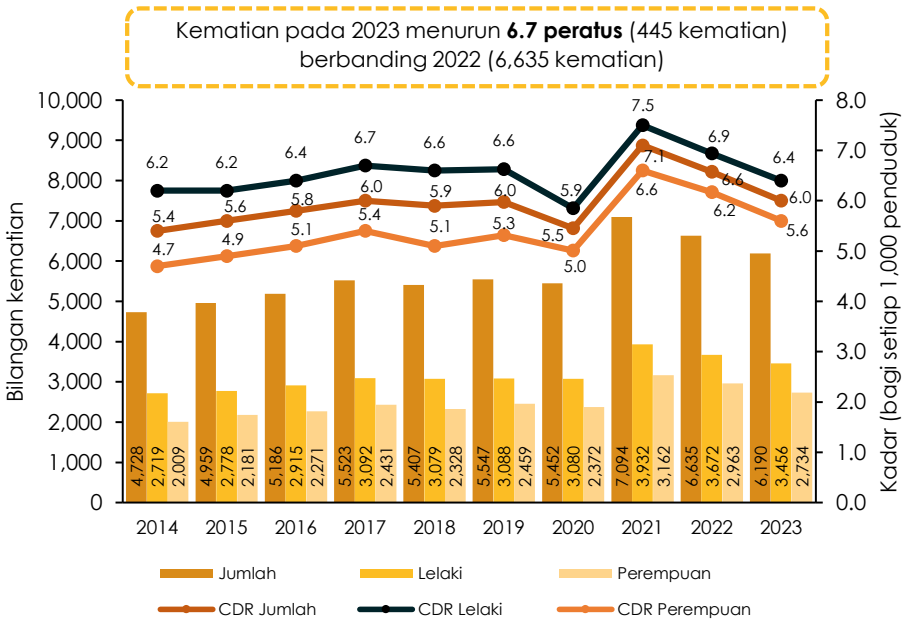
2,734 (44.2%) kematian

PURATA

1 kematian setiap jam

17 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), MELAKA, 2014-2023



SEBAB KEMATIAN UTAMA[1]



Ischaemic heart diseases merupakan sebab kematian utama di **Melaka** tahun 2023

17.7%



Ischaemic heart diseases

20.1%



Ischaemic heart diseases

14.1%



Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium

25.0% merupakan sebab kematian utama bagi ibu bersalin

LIMA SEBAB KEMATIAN UTAMA UTAMA[1] MENGIKUT BAB ICD-10, MELAKA, 2023

1 ***Diseases of the circulatory system***

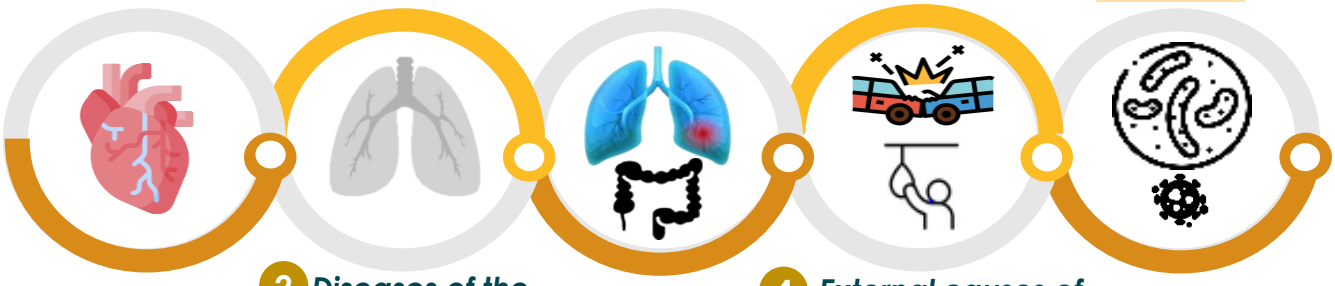
30.3%
31.9%

3 ***Neoplasms***

14.8%
12.8%

5 ***Certain infectious and parasitic diseases***

6.0%
6.1%



2 ***Diseases of the respiratory system***

17.2%
14.6%

4 ***External causes of morbidity and mortality***

7.8%
7.4%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, MELAKA, 2023



Melayu (2,221 kematian)

1	*Ischaemic heart diseases*	**17.4%**
2	*Pneumonia*	**11.7%**
3	*Cerebrovascular diseases*	**7.1%**
4	*Transport accidents*	**4.8%**
5	*Chronic lower respiratory diseases*	**2.5%**



Bumiputera Lain (23 kematian)

1	*Ischaemic heart diseases*	**13.0%**
2	*Pneumonia*	**13.0%**
3	*Transport accidents*	**8.7%**
4	*Malignant neoplasm of pancreas*	**4.3%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**4.3%**



Cina (934 kematian)

1	*Ischaemic heart diseases*	**17.8%**
2	*Pneumonia*	**12.1%**
3	*Cerebrovascular diseases*	**7.0%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**3.3%**
5	*Transport accidents*	**2.2%**



India (280 kematian)

1	*Ischaemic heart diseases*	**20.4%**
2	*Pneumonia*	**9.3%**
3	*Transport accidents*	**5.0%**
4	*Cerebrovascular diseases*	**4.6%**
5	*Diseases of the liver*	**3.2%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, MELAKA, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.8%
Cardiovascular disorders originating in the perinatal period	14.3%
Edward's syndrome and Patau's syndrome	11.9%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	16.9%
Cardiovascular disorders originating in the perinatal period	13.6%
Edward's syndrome and Patau's syndrome	11.9%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	46.0%
Congenital malformations, deformations and chromosomal abnormalities	28.7%
Pneumonia	3.4%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	11.1%
Cerebrovascular diseases	5.6%
Influenza	5.6%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	38.1%
Congenital malformations, deformations and chromosomal abnormalities	25.7%
Pneumonia	3.8%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, MELAKA, 2023



0-14 TAHUN
(125 kematian)

Pneumonia	4.0%
Transport accidents	3.2%
Leukaemia	1.6%



15-40 TAHUN
(355 kematian)

Transport accidents	27.6%
Ischaemic heart diseases	7.0%
Intentional self-harm	5.1%



41-59 TAHUN
(817 kematian)

Ischaemic heart diseases	22.9%
Cerebrovascular diseases	7.2%
Pneumonia	6.5%



60 TAHUN DAN LEBIH
(2,254 kematian)

Ischaemic heart diseases	18.5%
Pneumonia	14.9%
Cerebrovascular diseases	7.6%

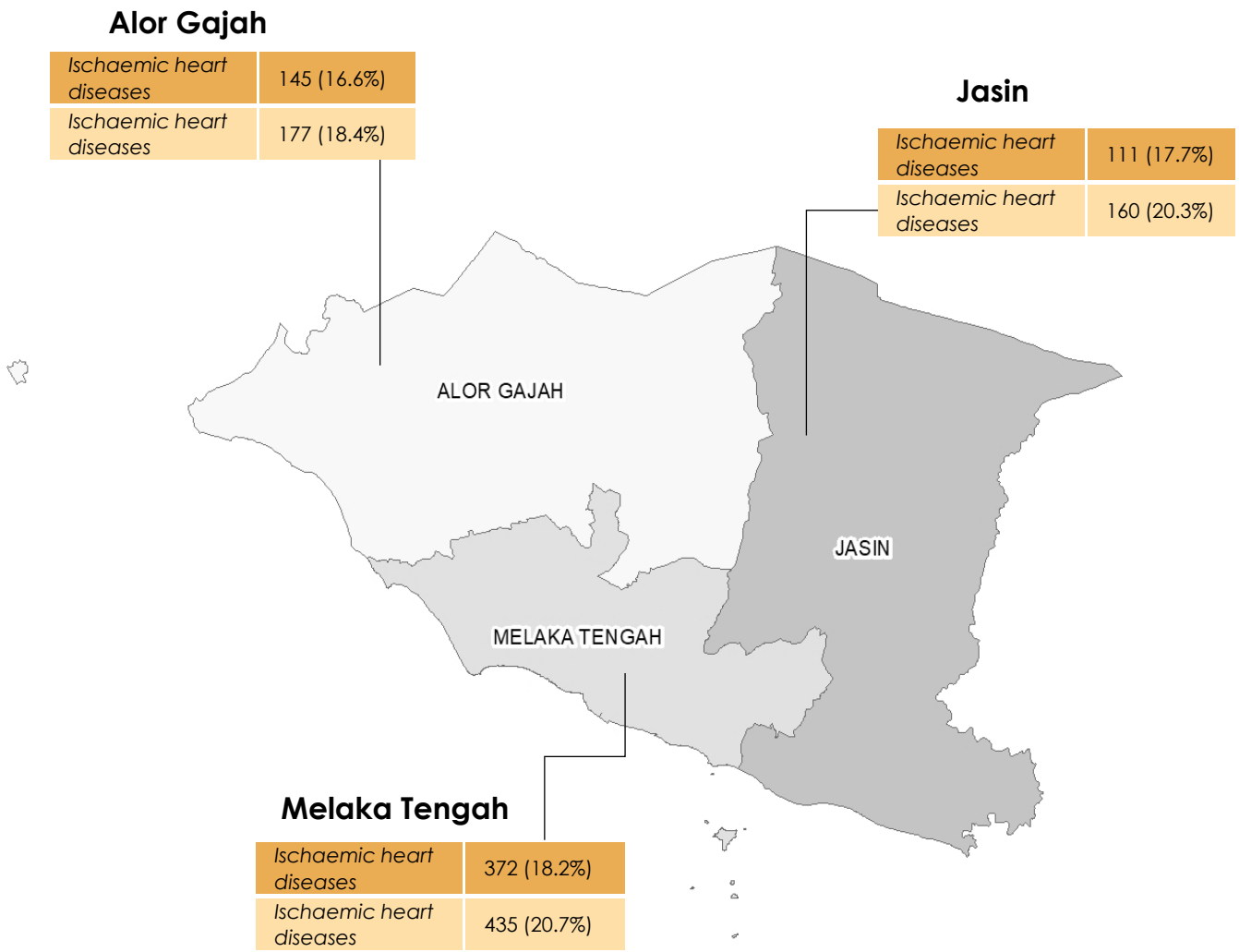
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, MELAKA, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Malignant neoplasm of trachea, bronchus and lung*
Jumlah	**628**	**409**	**244**	**143**	**80**
0	-	3 (0.7%)	-	1 (0.7%)	-
1-4	-	1 (0.2%)	-	-	-
5-9	-	-	-	1 (0.7%)	-
10-14	-	1 (0.2%)	-	2 (1.4%)	-
15-19	-	-	-	29 (20.3%)	-
20-24	-	2 (0.5%)	1 (0.4%)	25 (17.5%)	-
25-29	2 (0.3%)	3 (0.7%)	1 (0.4%)	15 (10.5%)	1 (1.3%)
30-34	7 (1.1%)	1 (0.2%)	5 (2.0%)	11 (7.7%)	1 (1.3%)
35-39	12 (1.9%)	6 (1.5%)	4 (1.6%)	14 (9.8%)	-
40-44	17 (2.7%)	13 (3.2%)	8 (3.3%)	10 (7.0%)	2 (2.5%)
45-49	44 (7.0%)	8 (2.0%)	14 (5.7%)	7 (4.9%)	7 (8.8%)
50-54	53 (8.4%)	12 (2.9%)	20 (8.2%)	2 (1.4%)	3 (3.8%)
55-59	77 (12.3%)	23 (5.6%)	19 (7.8%)	8 (5.6%)	10 (12.5%)
60-64	85 (13.5%)	38 (9.3%)	26 (10.7%)	7 (4.9%)	14 (17.5%)
65-69	92 (14.6%)	60 (14.7%)	32 (13.1%)	5 (3.5%)	17 (21.3%)
70-74	87 (13.9%)	60 (14.7%)	28 (11.5%)	3 (2.1%)	13 (16.3%)
75-79	60 (9.6%)	64 (15.6%)	29 (11.9%)	1 (0.7%)	5 (6.3%)
80-84	46 (7.3%)	46 (11.2%)	31 (12.7%)	-	6 (7.5%)
85 dan lebih	46 (7.3%)	68 (16.6%)	26 (10.7%)	2 (1.4%)	1 (1.3%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, MELAKA



Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, NEGERI SEMBILAN, 2023

NEGERI SEMBILAN

4,724 (57.4%) kematian

8,232 kematian

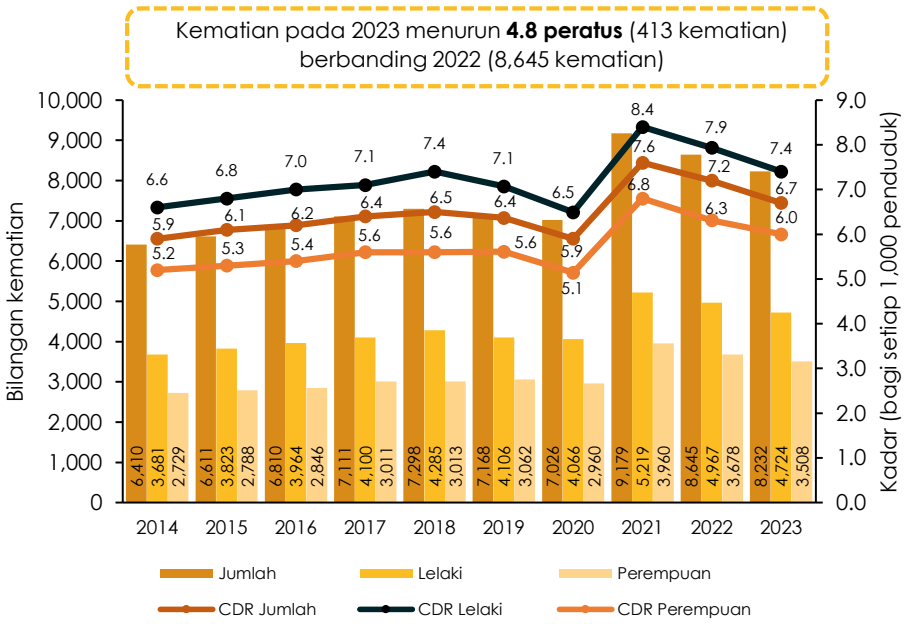
3,508 (42.6%) kematian

PURATA

1 kematian setiap jam

23 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), NEGERI SEMBILAN, 2014-2023



SEBAB KEMATIAN UTAMA[1]

Ischaemic heart diseases merupakan sebab kematian utama di **Negeri Sembilan** tahun 2023

14.6%

Ischaemic heart diseases

16.8%

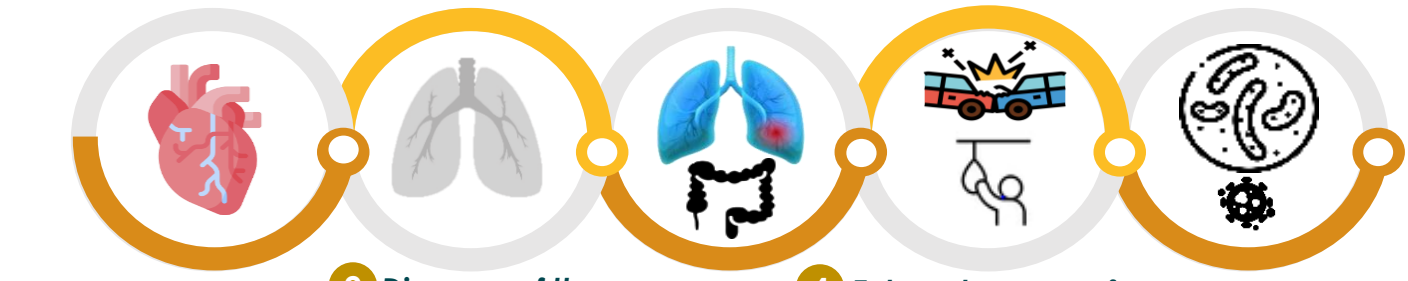
Pneumonia

14.1%

Obstetric embolism merupakan sebab kematian utama bagi ibu bersalin

33.3%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, NEGERI SEMBILAN, 2023



1 ***Diseases of the circulatory system***

28.7%
32.5%

2 ***Diseases of the respiratory system***

18.7%
16.8%

3 ***Neoplasms***

13.9%
13.5%

4 ***External causes of morbidity and mortality***

9.0%
6.8%

5 ***Certain infectious and parasitic diseases***

6.9%
5.9%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, NEGERI SEMBILAN, 2023



Melayu (3,005 kematian)

1	*Ischaemic heart diseases*	**13.7%**
2	*Pneumonia*	**12.7%**
3	*Cerebrovascular diseases*	**8.0%**
4	*Transport accidents*	**5.5%**
5	*Chronic lower respiratory diseases*	**2.4%**



Bumiputera Lain (76 kematian)

1	*Pneumonia*	**13.2%**
2	*Ischaemic heart diseases*	**10.5%**
3	*Cerebrovascular diseases*	**10.5%**
4	*Transport accidents*	**6.6%**
5	*Malignant neoplasm of lip, oral cavity and pharynx*	**2.6%**



Cina (1,183 kematian)

1	*Pneumonia*	**13.9%**
2	*Ischaemic heart diseases*	**13.2%**
3	*Cerebrovascular diseases*	**6.7%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**3.9%**
5	*Transport accidents*	**2.9%**



India (910 kematian)

1	*Ischaemic heart diseases*	**19.5%**
2	*Pneumonia*	**10.1%**
3	*Cerebrovascular diseases*	**5.3%**
4	*Transport accidents*	**5.1%**
5	*Diseases of the liver*	**4.6%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, NEGERI SEMBILAN, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	25.5%
Cardiovascular disorders originating in the perinatal period	12.8%
Congenital malformation syndromes due to known exogenous causes, not elsewhere classified	4.3%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	18.8%
Cardiovascular disorders originating in the perinatal period	8.7%
Bacterial sepsis of newborn	7.2%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	40.0%
Congenital malformations, deformations and chromosomal abnormalities	30.5%
Pneumonia	1.9%

KANAK-KANAK 1-4 TAHUN

Influenza	13.8%
Transport accidents	10.3%
Congenital malformations, deformations and chromosomal abnormalities	6.9%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	31.3%
Congenital malformations, deformations and chromosomal abnormalities	25.4%
Influenza	3.0%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, NEGERI SEMBILAN, 2023



0-14 TAHUN
(169 kematian)

Transport accidents	4.7%
Influenza	3.0%
Pneumonia	1.8%



15-40 TAHUN
(541 kematian)

Transport accidents	26.6%
Ischaemic heart diseases	9.8%
Pneumonia	4.3%



41-59 TAHUN
(1,197 kematian)

Ischaemic heart diseases	19.1%
Cerebrovascular diseases	7.4%
Pneumonia	6.8%



60 TAHUN DAN LEBIH
(3,343 kematian)

Pneumonia	16.4%
Ischaemic heart diseases	14.4%
Cerebrovascular diseases	8.2%

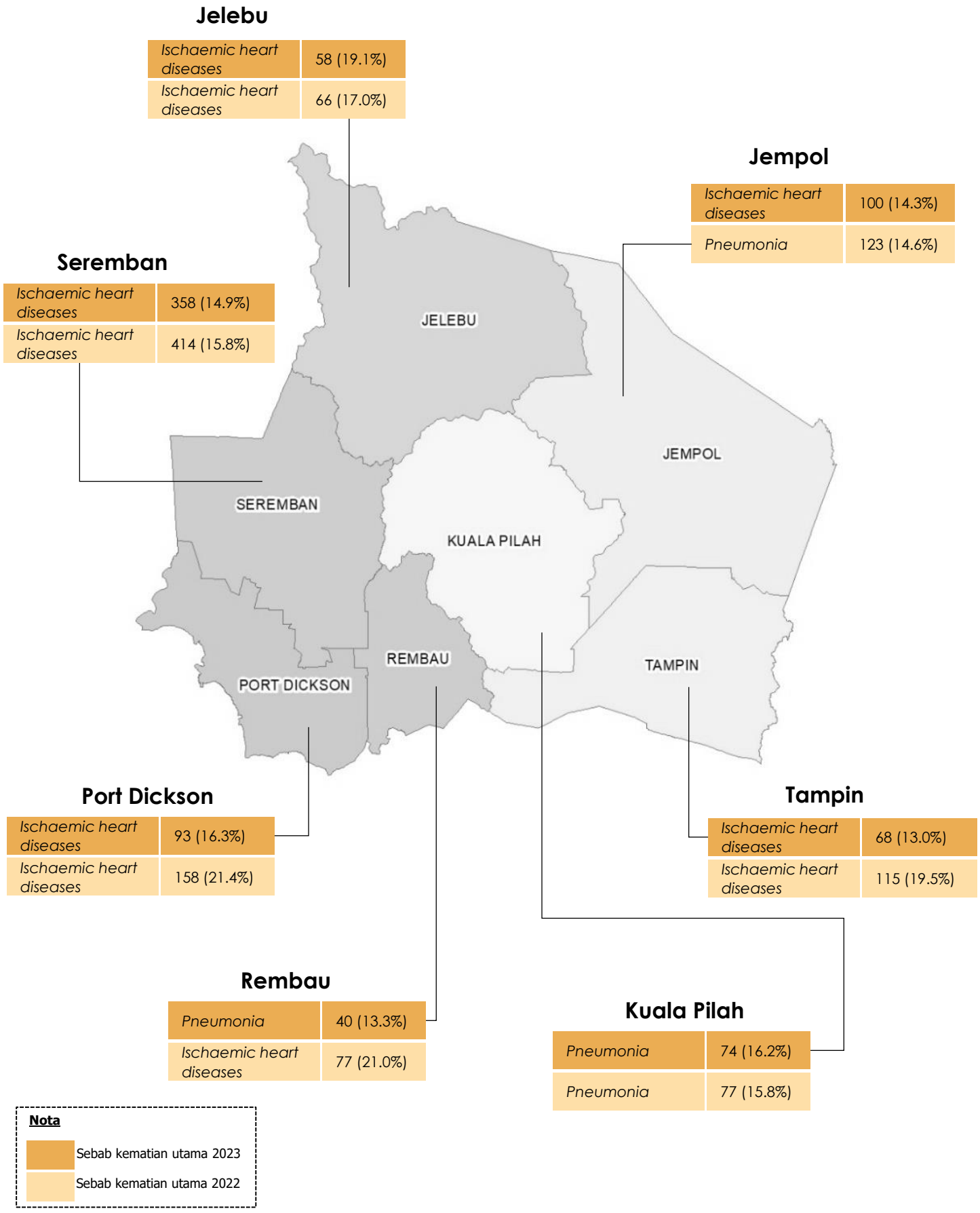
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, NEGERI SEMBILAN, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Chronic lower respiratory diseases*
Jumlah	**765**	**655**	**378**	**249**	**118**
0	-	2 (0.3%)	-	-	-
1-4	-	1 (0.2%)	-	3 (1.2%)	-
5-9	-	-	-	1 (0.4%)	-
10-14	-	-	1 (0.3%)	4 (1.6%)	-
15-19	-	-	1 (0.3%)	41 (16.5%)	-
20-24	1 (0.1%)	2 (0.3%)	1 (0.3%)	30 (12.0%)	-
25-29	7 (0.9%)	1 (0.2%)	2 (0.5%)	21 (8.4%)	1 (0.8%)
30-34	10 (1.3%)	9 (1.4%)	2 (0.5%)	28 (11.2%)	-
35-39	26 (3.4%)	10 (1.5%)	5 (1.3%)	21 (8.4%)	1 (0.8%)
40-44	47 (6.1%)	12 (1.8%)	17 (4.5%)	23 (9.2%)	3 (2.5%)
45-49	58 (7.6%)	20 (3.1%)	13 (3.4%)	22 (8.8%)	1 (0.8%)
50-54	64 (8.4%)	26 (4.0%)	32 (8.5%)	6 (2.4%)	2 (1.7%)
55-59	69 (9.0%)	24 (3.7%)	30 (7.9%)	13 (5.2%)	7 (5.9%)
60-64	93 (12.2%)	49 (7.5%)	47 (12.4%)	11 (4.4%)	11 (9.3%)
65-69	90 (11.8%)	78 (11.9%)	52 (13.8%)	10 (4.0%)	9 (7.6%)
70-74	107 (14.0%)	99 (15.1%)	42 (11.1%)	7 (2.8%)	27 (22.9%)
75-79	74 (9.7%)	99 (15.1%)	43 (11.4%)	3 (1.2%)	17 (14.4%)
80-84	62 (8.1%)	95 (14.5%)	42 (11.1%)	3 (1.2%)	20 (16.9%)
85 dan lebih	57 (7.5%)	128 (19.5%)	48 (12.7%)	2 (0.8%)	19 (16.1%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, NEGERI SEMBILAN



Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, PAHANG, 2023

PAHANG

6,082 (57.9%) kematian

10,508 kematian

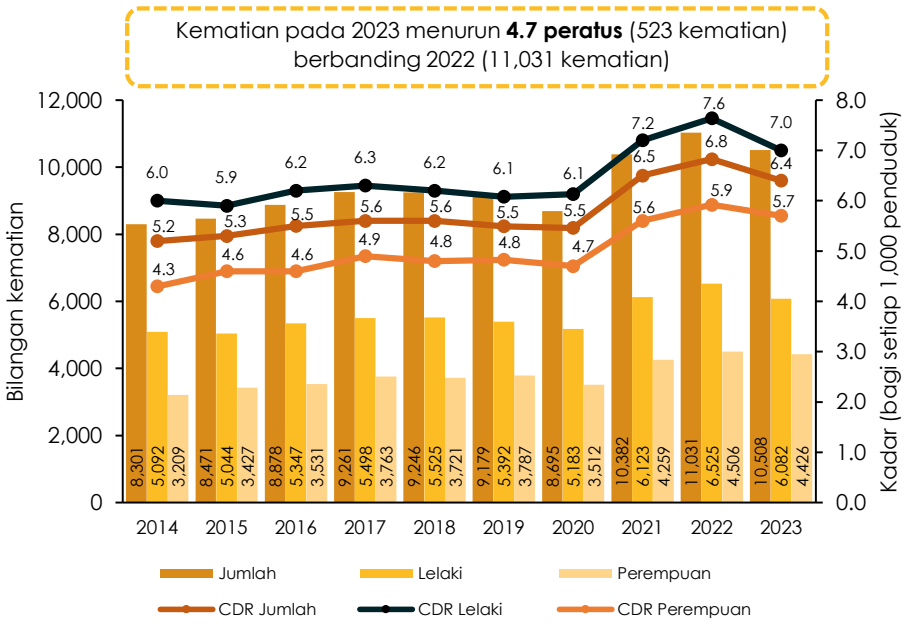
4,426 (42.1%) kematian

PURATA

1 kematian setiap jam

29 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), PAHANG, 2014-2023



SEBAB KEMATIAN UTAMA[1]

Pneumonia merupakan sebab kematian utama di **Pahang** tahun 2023

16.3%

Ischaemic heart diseases

16.8%

Pneumonia

16.9%

Obstetric embolism merupakan sebab kematian utama bagi ibu bersalin

50.0%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, PAHANG, 2023

1 ***Diseases of the circulatory system***

28.1%
30.8%

2 ***Diseases of the respiratory system***

21.8%
20.3%

3 ***Neoplasms***

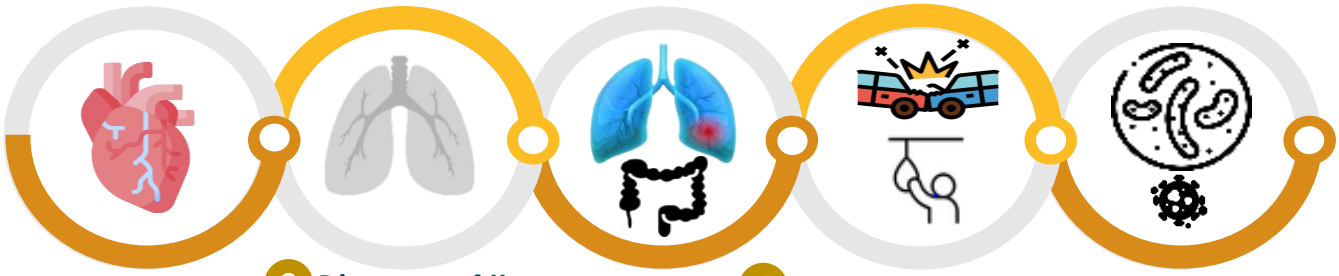
11.1%
9.9%

4 ***External causes of morbidity and mortality***

9.0%
7.5%

5 ***Certain infectious and parasitic diseases***

8.4%
8.2%



Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, PAHANG, 2023



Melayu (4,465 kematian)

1	*Pneumonia*	**16.4%**
2	*Ischaemic heart diseases*	**14.0%**
3	*Cerebrovascular diseases*	**7.6%**
4	*Transport accidents*	**5.4%**
5	*Diabetes mellitus*	**2.0%**



Bumiputera Lain (295 kematian)

1	*Pneumonia*	**13.9%**
2	*Ischaemic heart diseases*	**10.8%**
3	*Cerebrovascular diseases*	**8.1%**
4	*Transport accidents*	**4.4%**
5	*Diseases of the liver*	**2.7%**



Cina (961 kematian)

1	*Pneumonia*	**16.6%**
2	*Ischaemic heart diseases*	**16.4%**
3	*Cerebrovascular diseases*	**7.3%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**3.1%**
5	*Malignant neoplasm of colon, rectum and anus*	**2.5%**



India (271 kematian)

1	*Ischaemic heart diseases*	**22.5%**
2	*Pneumonia*	**16.2%**
3	*Transport accidents*	**6.3%**
4	*Cerebrovascular diseases*	**3.3%**
5	*Diseases of the liver*	**2.6%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, PAHANG, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.1%
Cardiovascular disorders originating in the perinatal period	7.7%
Edward's syndrome and Patau's syndrome	5.5%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.6%
Cardiovascular disorders originating in the perinatal period	6.7%
Edward's syndrome and Patau's syndrome	5.0%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	39.9%
Congenital malformations, deformations and chromosomal abnormalities	34.6%
Pneumonia	2.7%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	18.8%
Transport accidents	15.6%
Leukaemia	6.3%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	34.1%
Congenital malformations, deformations and chromosomal abnormalities	32.3%
Pneumonia	2.7%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, PAHANG, 2023



0-14 TAHUN
(277 kematian)

Transport accidents	6.5%
Pneumonia	2.2%
Whooping cough	1.1%



15-40 TAHUN
(722 kematian)

Transport accidents	24.5%
Pneumonia	8.0%
Ischaemic heart diseases	7.2%



41-59 TAHUN
(1,553 kematian)

Ischaemic heart diseases	19.9%
Pneumonia	12.0%
Cerebrovascular diseases	6.6%



60 TAHUN DAN LEBIH
(3,576 kematian)

Pneumonia	20.9%
Ischaemic heart diseases	15.0%
Cerebrovascular diseases	9.1%

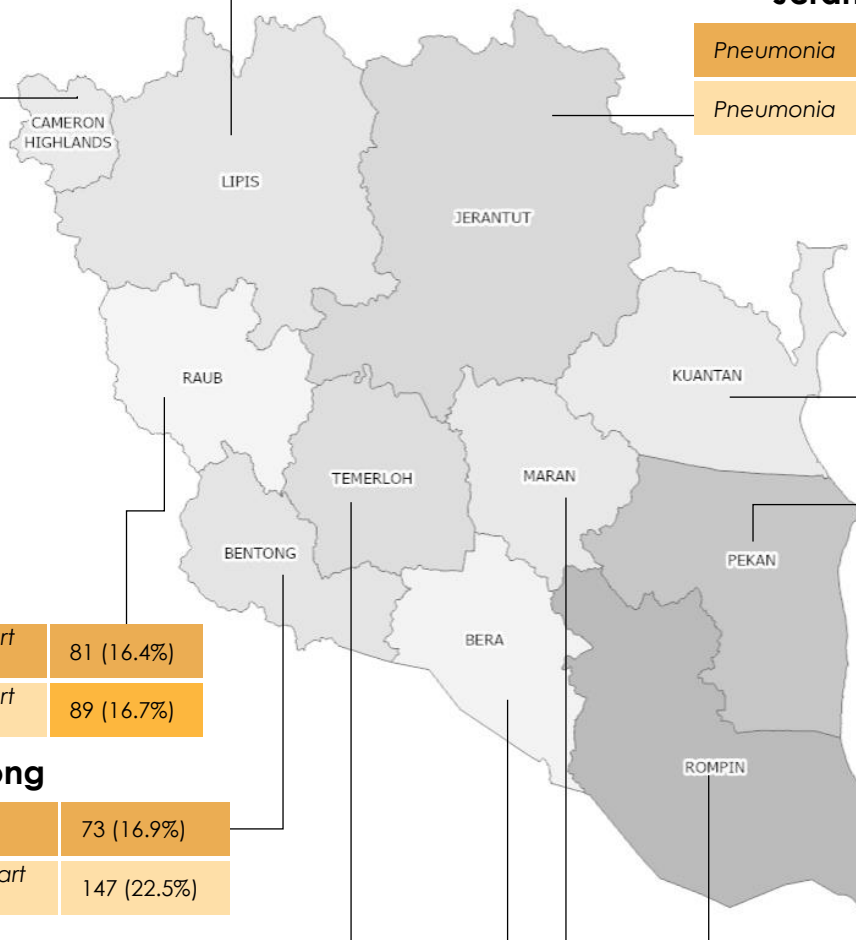
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, PAHANG, 2023

Kumpulan umur	*Pneumonia*	*Ischaemic heart diseases*	*Cerebrovascular diseases*	*Transport accidents*	*Chronic lower respiratory diseases*
Jumlah	**999**	**896**	**444**	**300**	**114**
0	5 (0.5%)	-	-	-	-
1-4	1 (0.1%)	-	-	5 (1.7%)	-
5-9	-	-	-	1 (0.3%)	-
10-14	-	-	-	12 (4.0%)	-
15-19	3 (0.3%)	-	-	44 (14.7%)	-
20-24	4 (0.4%)	1 (0.1%)	-	48 (16.0%)	1 (0.9%)
25-29	6 (0.6%)	5 (0.6%)	1 (0.2%)	29 (9.7%)	1 (0.9%)
30-34	15 (1.5%)	15 (1.7%)	5 (1.1%)	26 (8.7%)	3 (2.6%)
35-39	24 (2.4%)	21 (2.3%)	6 (1.4%)	27 (9.0%)	1 (0.9%)
40-44	37 (3.7%)	55 (6.1%)	19 (4.3%)	17 (5.7%)	6 (5.3%)
45-49	45 (4.5%)	76 (8.5%)	16 (3.6%)	13 (4.3%)	2 (1.8%)
50-54	34 (3.4%)	91 (10.2%)	27 (6.1%)	18 (6.0%)	3 (2.6%)
55-59	77 (7.7%)	97 (10.8%)	43 (9.7%)	16 (5.3%)	10 (8.8%)
60-64	86 (8.6%)	95 (10.6%)	53 (11.9%)	12 (4.0%)	7 (6.1%)
65-69	139 (13.9%)	119 (13.3%)	61 (13.7%)	9 (3.0%)	21 (18.4%)
70-74	165 (16.5%)	122 (13.6%)	86 (19.4%)	8 (2.7%)	22 (19.3%)
75-79	153 (15.3%)	80 (8.9%)	51 (11.5%)	7 (2.3%)	16 (14.0%)
80-84	109 (10.9%)	56 (6.3%)	34 (7.7%)	4 (1.3%)	13 (11.4%)
85 dan lebih	96 (9.6%)	63 (7.0%)	42 (9.5%)	4 (1.3%)	8 (7.0%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, PAHANG



Cameron Highlands

Ischaemic heart diseases	14 (18.2%)
Ischaemic heart diseases	27 (19.3%)

Lipis

Ischaemic heart diseases	45 (15.2%)
Ischaemic heart diseases	95 (22.1%)

Jerantut

Pneumonia	91 (22.1%)
Pneumonia	90 (19.3%)

Kuantan

Pneumonia	226 (15.6%)
Pneumonia	197 (13.8%)

Raub

Ischaemic heart diseases	81 (16.4%)
Ischaemic heart diseases	89 (16.7%)

Bentong

Pneumonia	73 (16.9%)
Ischaemic heart diseases	147 (22.5%)

Temerloh

Ischaemic heart diseases	171 (17.9%)
Ischaemic heart diseases	236 (21.0%)

Pekan

Pneumonia	72 (17.5%)
Pneumonia	82 (18.4%)

Bera

Pneumonia	96 (19.8%)
Ischaemic heart diseases	139 (27.0%)

Maran

Ischaemic heart diseases	109 (16.7%)
Ischaemic heart diseases	121 (16.4%)

Rompin

Pneumonia	73 (15.6%)
Pneumonia	76 (15.1%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, PERAK, 2023



PERAK



11,735 (56.3%)
kematian



20,839
kematian



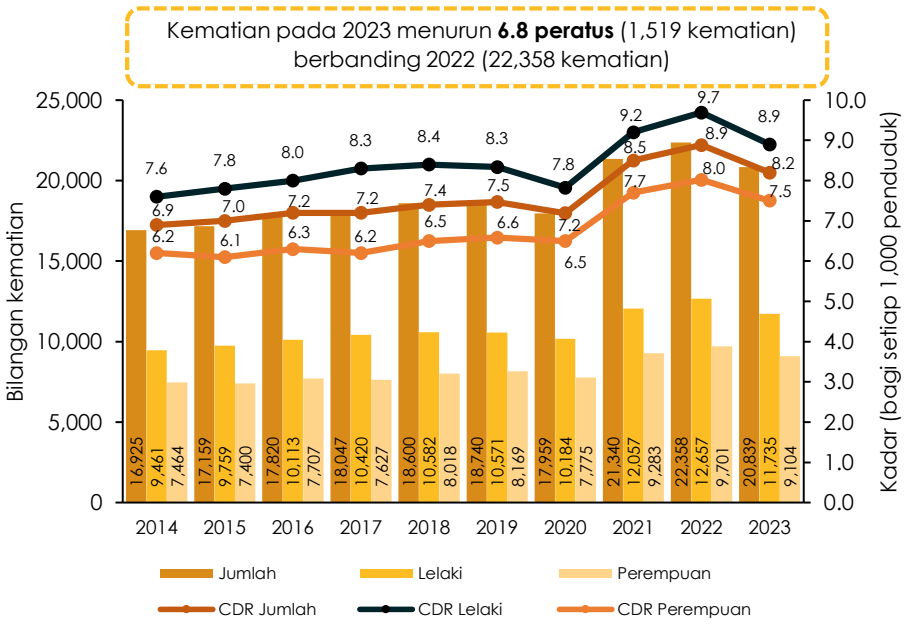
9,104 (43.7%)
kematian

PURATA

2 kematian setiap jam

57 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), PERAK, 2014-2023



SEBAB KEMATIAN UTAMA[1]



Ischaemic heart diseases merupakan sebab kematian utama di **Perak** tahun 2023

15.7%



Ischaemic heart diseases
18.4%



Pneumonia
17.8%



Obstetric embolism merupakan sebab kematian utama bagi ibu bersalin

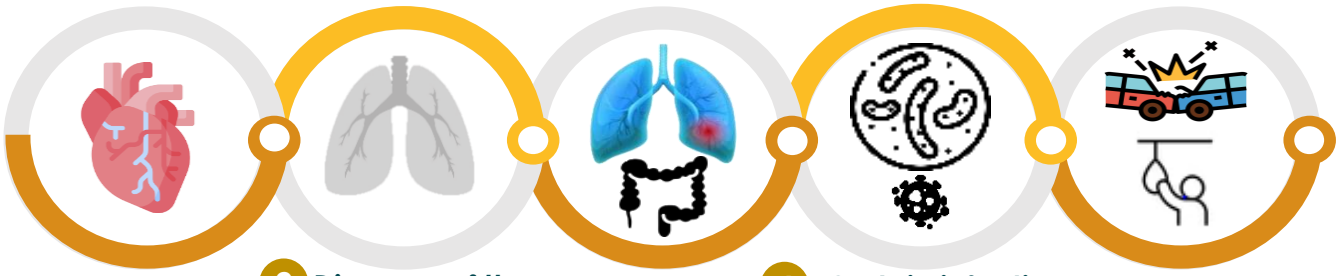
50.0%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10 ,PERAK, 2023

1 ***Diseases of the circulatory system***
29.5%
27.5%

3 ***Neoplasms***
12.8%
10.8%

5 ***External causes of morbidity and mortality***
7.7%
7.8%



2 ***Diseases of the respiratory system***
21.4%
19.8%

4 ***Certain infectious and parasitic diseases***
8.0%
7.8%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, PERAK, 2023



Melayu (6,687 kematian)

1	*Ischaemic heart diseases*	**15.9%**
2	*Pneumonia*	**15.5%**
3	*Cerebrovascular diseases*	**8.7%**
4	*Transport accidents*	**3.9%**
5	*Diabetes mellitus*	**2.0%**



Bumiputera Lain (267 kematian)

1	*Ischaemic heart diseases*	**10.9%**
2	*Pneumonia*	**10.1%**
3	*Cerebrovascular diseases*	**9.0%**
4	*Transport accidents*	**4.1%**
5	*Malignant neoplasm of lip, oral cavity and pharynx*	**1.9%**



Cina (3,867 kematian)

1	*Pneumonia*	**17.0%**
2	*Ischaemic heart diseases*	**13.9%**
3	*Cerebrovascular diseases*	**6.7%**
4	*Malignant neoplasm of colon, rectum and anus*	**2.8%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**2.6%**



India (1,790 kematian)

1	*Ischaemic heart diseases*	**19.3%**
2	*Pneumonia*	**13.9%**
3	*Cerebrovascular diseases*	**5.9%**
4	*Transport accidents*	**3.7%**
5	*Diseases of the liver*	**3.2%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, PERAK, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	30.3%
Edward's syndrome and Patau's syndrome	6.4%
Cardiovascular disorders originating in the perinatal period	3.7%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.4%
Cardiovascular disorders originating in the perinatal period	6.4%
Edward's syndrome and Patau's syndrome	5.7%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	42.9%
Congenital malformations, deformations and chromosomal abnormalities	32.5%
Pneumonia	2.8%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	11.4%
Meningitis	5.7%
Transport accidents	5.7%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	36.8%
Congenital malformations, deformations and chromosomal abnormalities	29.6%
Pneumonia	2.4%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, PERAK, 2023



0-14 TAHUN
(313 kematian)

Transport accidents	3.5%
Pneumonia	2.9%
Malignant neoplasm of meninges, brain and other parts of central nervous system	1.9%



15-40 TAHUN
(1,149 kematian)

Transport accidents	19.1%
Ischaemic heart diseases	8.5%
Pneumonia	6.8%



41-59 TAHUN
(2,923 kematian)

Ischaemic heart diseases	22.6%
Pneumonia	8.9%
Cerebrovascular diseases	7.7%



60 TAHUN DAN LEBIH
(8,406 kematian)

Pneumonia	19.7%
Ischaemic heart diseases	14.8%
Cerebrovascular diseases	8.4%

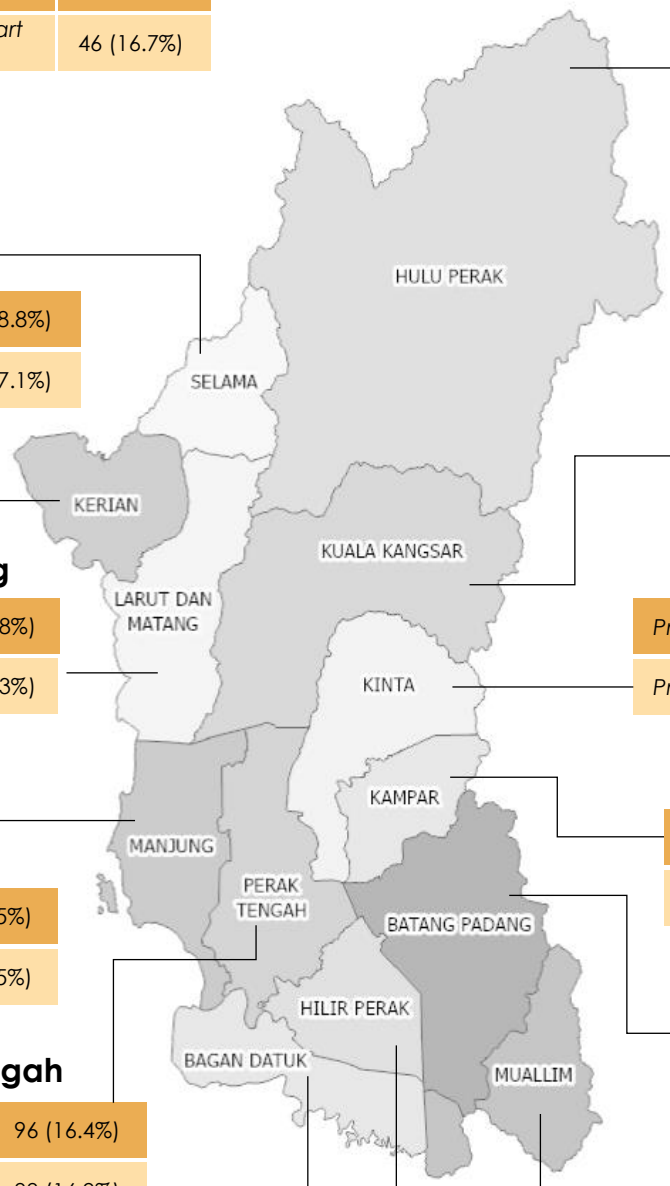
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, PERAK, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Malignant neoplasm of trachea, bronchus and lung*
Jumlah	**2,002**	**1,999**	**984**	**429**	**226**
0	-	6 (0.3%)	-	-	-
1-4	-	-	-	2 (0.5%)	-
5-9	-	2 (0.1%)	-	2 (0.5%)	-
10-14	-	1 (0.1%)	1 (0.1%)	7 (1.6%)	-
15-19	-	3 (0.2%)	4 (0.4%)	57 (13.3%)	-
20-24	3 (0.1%)	8 (0.4%)	3 (0.3%)	51 (11.9%)	1 (0.4%)
25-29	5 (0.2%)	15 (0.8%)	7 (0.7%)	43 (10.0%)	1 (0.4%)
30-34	21 (1.0%)	10 (0.5%)	7 (0.7%)	30 (7.0%)	-
35-39	51 (2.5%)	30 (1.5%)	21 (2.1%)	33 (7.7%)	3 (1.3%)
40-44	102 (5.1%)	42 (2.1%)	38 (3.9%)	28 (6.5%)	4 (1.8%)
45-49	126 (6.3%)	43 (2.2%)	44 (4.5%)	22 (5.1%)	9 (4.0%)
50-54	196 (9.8%)	71 (3.6%)	65 (6.6%)	24 (5.6%)	19 (8.4%)
55-59	255 (12.7%)	115 (5.8%)	84 (8.5%)	27 (6.3%)	29 (12.8%)
60-64	243 (12.1%)	172 (8.6%)	115 (11.7%)	31 (7.2%)	32 (14.2%)
65-69	254 (12.7%)	250 (12.5%)	121 (12.3%)	21 (4.9%)	41 (18.1%)
70-74	231 (11.5%)	309 (15.5%)	126 (12.8%)	24 (5.6%)	40 (17.7%)
75-79	176 (8.8%)	286 (14.3%)	124 (12.6%)	17 (4.0%)	27 (11.9%)
80-84	183 (9.1%)	278 (13.9%)	104 (10.6%)	10 (2.3%)	13 (5.8%)
85 dan lebih	156 (7.8%)	358 (17.9%)	120 (12.2%)	-	7 (3.1%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, PERAK



Selama

Ischaemic heart diseases	56 (18.5%)
Ischaemic heart diseases	46 (16.7%)

Hulu Perak

Ischaemic heart diseases	121 (19.2%)
Ischaemic heart diseases	89 (14.2%)

Kerian

Pneumonia	157 (18.8%)
Pneumonia	151 (17.1%)

Kuala Kangsar

Pneumonia	192 (20.8%)
Pneumonia	180 (18.4%)

Larut Dan Matang

Ischaemic heart diseases	333 (16.8%)
Ischaemic heart diseases	301 (17.3%)

Kinta

Pneumonia	542 (14.6%)
Pneumonia	488 (12.9%)

Kampar

Pneumonia	96 (20.8%)
Pneumonia	105 (19.6%)

Manjung

Ischaemic heart diseases	196 (16.5%)
Ischaemic heart diseases	182 (15.5%)

Batang Padang

Pneumonia	105 (16.3%)
Pneumonia	105 (15.7%)

Perak Tengah

Ischaemic heart diseases	96 (16.4%)
Ischaemic heart diseases	88 (16.9%)

Muallim

Ischaemic heart diseases	60 (27.1%)
Ischaemic heart diseases	45 (20.2%)

Bagan Datuk

Ischaemic heart diseases	65 (19.3%)
Pneumonia	49 (15.9%)

Hilir Perak

Ischaemic heart diseases	167 (17.3%)
Ischaemic heart diseases	124 (17.4%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, PERLIS, 2023

PERLIS

1,179 (54.3%) kematian

2,171 kematian

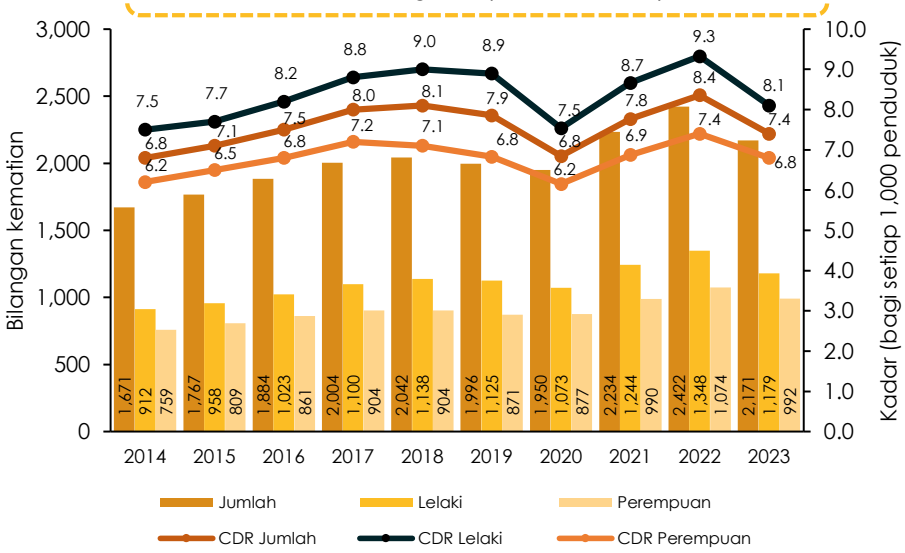
992 (45.7%) kematian

PURATA

6 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), PERLIS, 2014-2023

Kematian pada 2023 menurun **10.4 peratus** (251 kematian) berbanding 2022 (2,422 kematian)



SEBAB KEMATIAN UTAMA[1]

Pneumonia merupakan sebab kematian utama di **Perlis** tahun 2023

18.6%

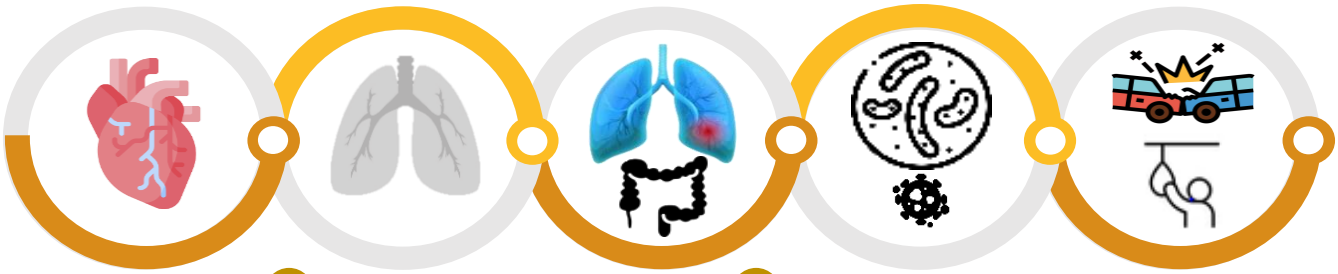
Pneumonia

19.0%

Pneumonia

18.0%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10 ,PERLIS, 2023



1 ***Diseases of the circulatory system***

31.0%
35.9%

2 ***Diseases of the respiratory system***

23.1%
19.9%

3 ***Neoplasms***

11.5%
8.9%

4 ***Certain infectious and parasitic diseases***

8.5%
7.4%

5 ***External causes of morbidity and mortality***

6.3%
5.6%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, PERLIS, 2023



Melayu (1,156 kematian)

1	*Pneumonia*	**18.7%**
2	*Ischaemic heart diseases*	**15.1%**
3	*Cerebrovascular diseases*	**8.8%**
4	*Transport accidents*	**3.5%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**2.0%**



Bumiputera Lain (0 kematian)

Nota : Tiada kematian yang disahkan secara perubatan direkodkan bagi Bumiputera Lain.



Cina (133 kematian)

1	*Pneumonia*	**19.5%**
2	*Ischaemic heart diseases*	**15.0%**
3	*Cerebrovascular diseases*	**5.3%**
4	*Malignant neoplasm of liver and intrahepatic bile ducts*	**2.3%**
5	*Malignant neoplasm of pancreas*	**2.3%**



India (19 kematian)

1	*Ischaemic heart diseases*	**21.1%**
2	*Pneumonia*	**21.1%**
3	*Malignant neoplasm of pancreas*	**5.3%**
4	*Malignant neoplasm of breast*	**5.3%**
5	*Diabetes mellitus*	**5.3%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, PERLIS, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	20.0%
Anencephaly and similar malformations	6.7%
Bacterial sepsis of newborn	6.7%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	15.0%
Edward's syndrome and Patau's syndrome	10.0%
Anencephaly and similar malformations	5.0%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	50.0%
Congenital malformations, deformations and chromosomal abnormalities	37.5%

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 3 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.

KANAK-KANAK 1-4 TAHUN

Pneumonia	25.0%
Congenital malformations, deformations and chromosomal abnormalities	25.0%

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 3 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	42.9%
Congenital malformations, deformations and chromosomal abnormalities	35.7%
Pneumonia	3.6%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, PERLIS, 2023



0-14 TAHUN
(35 kematian)

Transport accidents	5.7%
Pneumonia	2.9%

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 3 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.



15-40 TAHUN
(138 kematian)

Transport accidents	20.3%
Pneumonia	11.6%
Ischaemic heart diseases	10.9%



41-59 TAHUN
(247 kematian)

Ischaemic heart diseases	14.2%
Pneumonia	11.7%
Cerebrovascular diseases	8.1%



60 TAHUN DAN LEBIH
(914 kematian)

Pneumonia	22.1%
Ischaemic heart diseases	16.6%
Cerebrovascular diseases	9.5%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, PERLIS, 2023

Kumpulan umur	*Pneumonia*	*Ischaemic heart diseases*	*Cerebrovascular diseases*	*Transport accidents*	*Malignant neoplasm of trachea, bronchus and lung*
Jumlah	**248**	**202**	**111**	**44**	**26**
0	-	-	-	-	-
1-4	1 (0.4%)	-	-	-	-
5-9	-	-	-	-	-
10-14	-	-	-	2 (4.5%)	-
15-19	1 (0.4%)	-	-	7 (15.9%)	-
20-24	3 (1.2%)	-	-	12 (27.3%)	-
25-29	5 (2.0%)	5 (2.5%)	-	2 (4.5%)	-
30-34	1 (0.4%)	2 (1.0%)	1 (0.9%)	5 (11.4%)	-
35-39	6 (2.4%)	6 (3.0%)	3 (2.7%)	2 (4.5%)	-
40-44	3 (1.2%)	8 (4.0%)	1 (0.9%)	1 (2.3%)	1 (3.8%)
45-49	4 (1.6%)	5 (2.5%)	4 (3.6%)	1 (2.3%)	3 (11.5%)
50-54	9 (3.6%)	9 (4.5%)	4 (3.6%)	3 (6.8%)	-
55-59	13 (5.2%)	15 (7.4%)	11 (9.9%)	-	2 (7.7%)
60-64	21 (8.5%)	23 (11.4%)	8 (7.2%)	2 (4.5%)	5 (19.2%)
65-69	33 (13.3%)	32 (15.8%)	9 (8.1%)	1 (2.3%)	4 (15.4%)
70-74	29 (11.7%)	21 (10.4%)	18 (16.2%)	3 (6.8%)	6 (23.1%)
75-79	33 (13.3%)	27 (13.4%)	18 (16.2%)	1 (2.3%)	3 (11.5%)
80-84	37 (14.9%)	28 (13.9%)	16 (14.4%)	2 (4.5%)	2 (7.7%)
85 dan lebih	49 (19.8%)	21 (10.4%)	18 (16.2%)	-	-

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, PULAU PINANG, 2023

PULAU PINANG

6,851 (55.7%) kematian

12,304 kematian

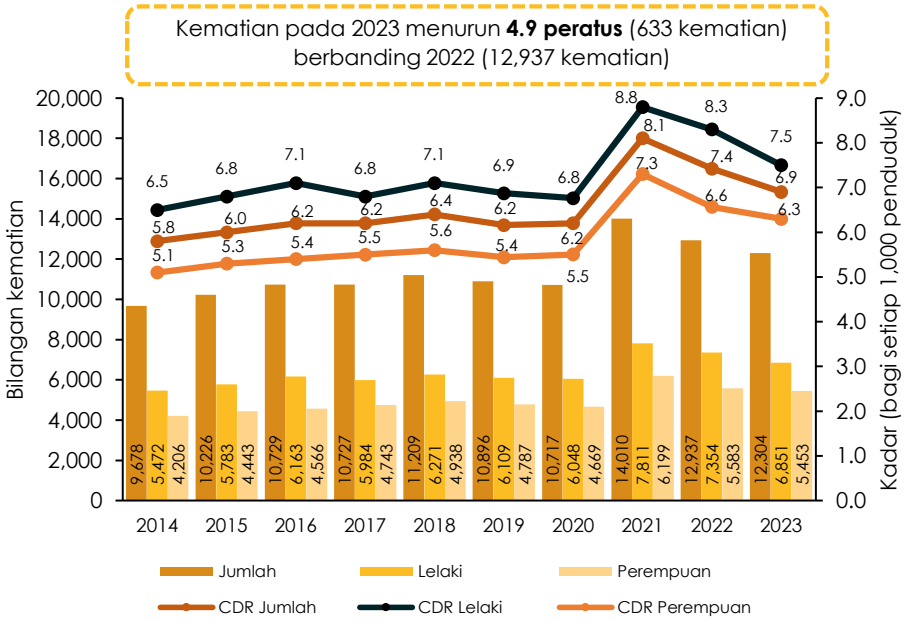
5,453 (44.3%) kematian

PURATA

1 kematian setiap jam

34 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), PULAU PINANG, 2014-2023



SEBAB KEMATIAN UTAMA[1]

Pneumonia merupakan sebab kematian utama di **Pulau Pinang** tahun 2023

17.8%

Ischaemic heart diseases

17.7%

Pneumonia

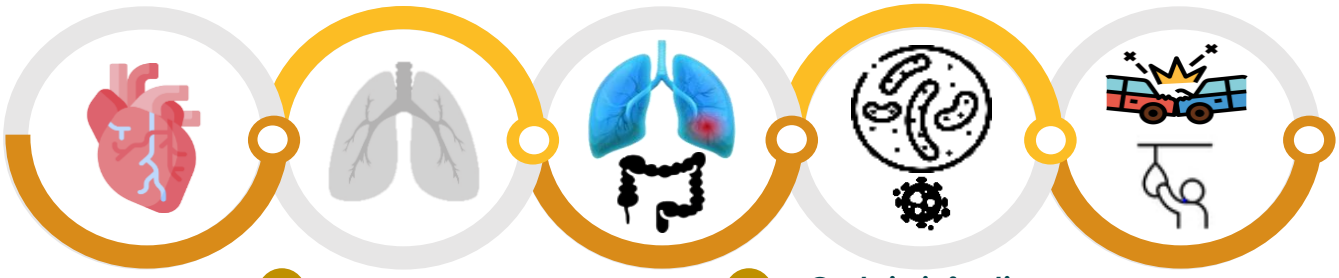
18.2%

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium

25.0%

merupakan sebab kematian utama bagi ibu bersalin

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, PULAU PINANG, 2023



1 ***Diseases of the circulatory system***

27.1%
29.8%

2 ***Diseases of the respiratory system***

22.8%
19.7%

3 ***Neoplasms***

14.3%
12.5%

4 ***Certain infectious and parasitic diseases***

8.6%
9.1%

5 ***External causes of morbidity and mortality***

7.8%
7.3%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK UTAMA, PULAU PINANG, 2023



Melayu (2,966 kematian)

1	*Pneumonia*	**16.4%**
2	*Ischaemic heart diseases*	**15.8%**
3	*Cerebrovascular diseases*	**6.3%**
4	*Transport accidents*	**4.7%**
5	*Diabetes mellitus*	**2.8%**



Bumiputera Lain (17 kematian)

1	*Ischaemic heart diseases*	**17.6%**
2	*Transport accidents*	**11.8%**
3	*Malignant neoplasm of trachea, bronchus and lung*	**5.9%**
4	*Malignant neoplasm of meninges, brain and other parts of central nervous system*	**5.9%**
5	*Pneumonia*	**5.9%**



Cina (3,576 kematian)

1	*Pneumonia*	**19.0%**
2	*Ischaemic heart diseases*	**14.1%**
3	*Cerebrovascular diseases*	**4.8%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**3.3%**
5	*Malignant neoplasm of colon, rectum and anus*	**2.8%**



India (1,142 kematian)

1	*Ischaemic heart diseases*	**19.4%**
2	*Pneumonia*	**17.7%**
3	*Transport accidents*	**6.0%**
4	*Cerebrovascular diseases*	**4.6%**
5	*Diabetes mellitus*	**2.7%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, PULAU PINANG, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.1%
Cardiovascular disorders originating in the perinatal period	11.5%
Edward's syndrome and Patau's syndrome	7.7%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.4%
Cardiovascular disorders originating in the perinatal period	8.7%
Bacterial sepsis of newborn	5.8%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	42.2%
Congenital malformations, deformations and chromosomal abnormalities	31.2%
Pneumonia	2.8%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	27.3%
Malignant neoplasm of meninges, brain and other parts or central nervous system	9.1%
Leukaemia	4.5%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	35.1%
Congenital malformations, deformations and chromosomal abnormalities	30.5%
Pneumonia	2.3%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, PULAU PINANG, 2023



0-14 TAHUN
(170 kematian)

Transport accidents	4.1%
Pneumonia	3.5%
Leukaemia	2.4%



15-40 TAHUN
(616 kematian)

Transport accidents	23.9%
Ischaemic heart diseases	8.1%
Intentional self-harm	8.0%



41-59 TAHUN
(1,784 kematian)

Ischaemic heart diseases	21.4%
Pneumonia	11.7%
Cerebrovascular diseases	5.4%



60 TAHUN DAN LEBIH
(5,269 kematian)

Pneumonia	21.5%
Ischaemic heart diseases	14.7%
Cerebrovascular diseases	5.6%

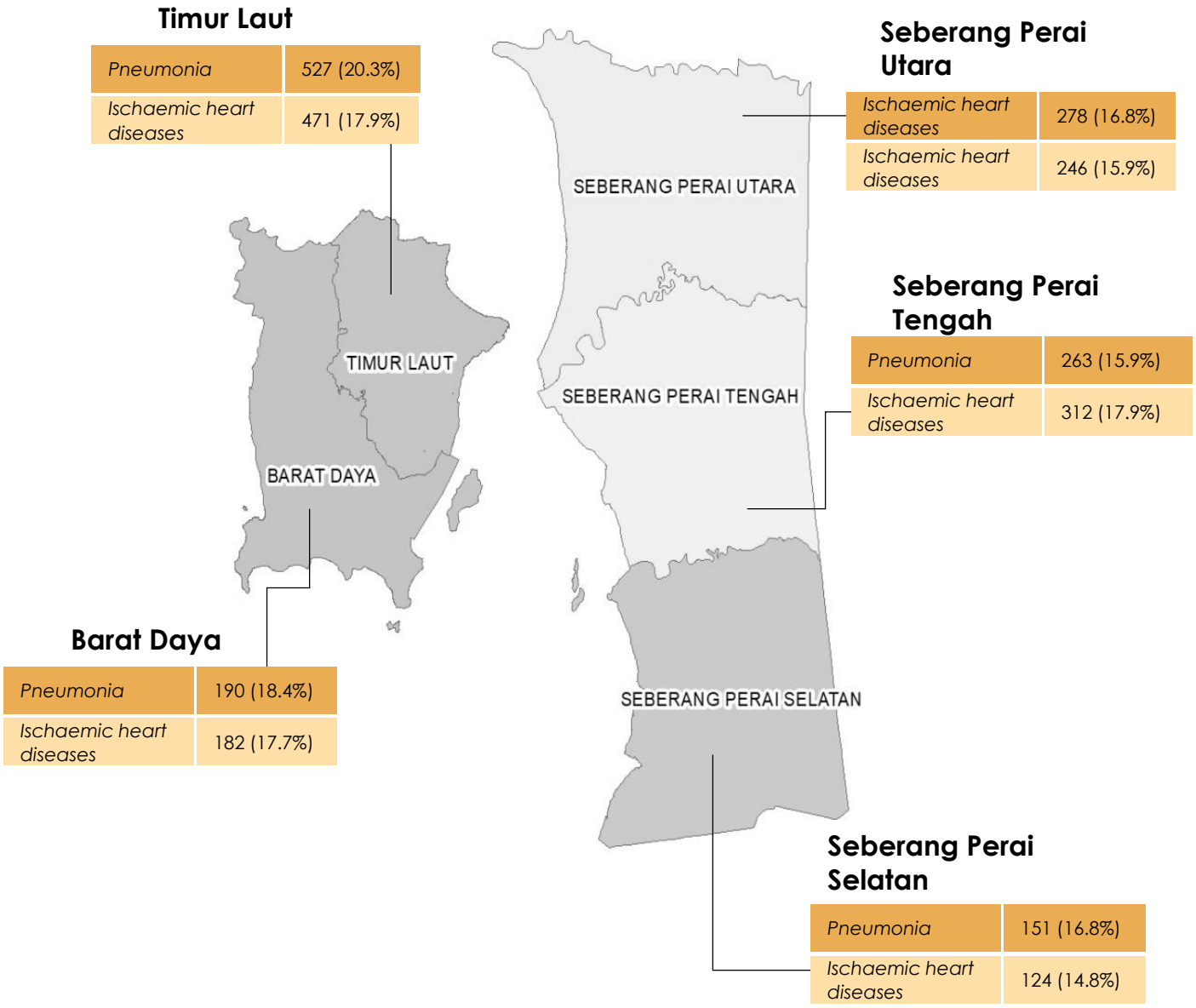
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, PULAU PINANG, 2023

Kumpulan umur	*Pneumonia*	*Ischaemic heart diseases*	*Cerebrovascular diseases*	*Transport accidents*	*Malignant neoplasm of trachea, bronchus and lung*
Jumlah	**1,394**	**1,209**	**415**	**311**	**174**
0	3 (0.2%)	-	-	1 (0.3%)	-
1-4	-	-	-	-	-
5-9	2 (0.1%)	-	-	1 (0.3%)	-
10-14	1 (0.1%)	-	-	5 (1.6%)	-
15-19	2 (0.1%)	-	-	40 (12.9%)	-
20-24	-	1 (0.1%)	2 (0.5%)	33 (10.6%)	-
25-29	8 (0.6%)	5 (0.4%)	3 (0.7%)	29 (9.3%)	-
30-34	13 (0.9%)	14 (1.2%)	4 (1.0%)	21 (6.8%)	-
35-39	19 (1.4%)	19 (1.6%)	10 (2.4%)	17 (5.5%)	4 (2.3%)
40-44	18 (1.3%)	55 (4.5%)	10 (2.4%)	18 (5.8%)	5 (2.9%)
45-49	47 (3.4%)	83 (6.9%)	17 (4.1%)	15 (4.8%)	8 (4.6%)
50-54	68 (4.9%)	104 (8.6%)	23 (5.5%)	18 (5.8%)	8 (4.6%)
55-59	79 (5.7%)	151 (12.5%)	51 (12.3%)	28 (9.0%)	14 (8.0%)
60-64	115 (8.2%)	139 (11.5%)	47 (11.3%)	22 (7.1%)	30 (17.2%)
65-69	172 (12.3%)	181 (15.0%)	53 (12.8%)	20 (6.4%)	32 (18.4%)
70-74	204 (14.6%)	139 (11.5%)	49 (11.8%)	27 (8.7%)	22 (12.6%)
75-79	224 (16.1%)	143 (11.8%)	58 (14.0%)	6 (1.9%)	22 (12.6%)
80-84	203 (14.6%)	101 (8.4%)	42 (10.1%)	6 (1.9%)	20 (11.5%)
85 dan lebih	216 (15.5%)	74 (6.1%)	46 (11.1%)	4 (1.3%)	9 (5.2%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, PULAU PINANG



Timur Laut

Pneumonia	527 (20.3%)
Ischaemic heart diseases	471 (17.9%)

Seberang Perai Utara

Ischaemic heart diseases	278 (16.8%)
Ischaemic heart diseases	246 (15.9%)

Seberang Perai Tengah

Pneumonia	263 (15.9%)
Ischaemic heart diseases	312 (17.9%)

Barat Daya

Pneumonia	190 (18.4%)
Ischaemic heart diseases	182 (17.7%)

Seberang Perai Selatan

Pneumonia	151 (16.8%)
Ischaemic heart diseases	124 (14.8%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, SABAH, 2023

SABAH

9,680 (58.3%) kematian

16,610 kematian

6,930 (41.7%) kematian

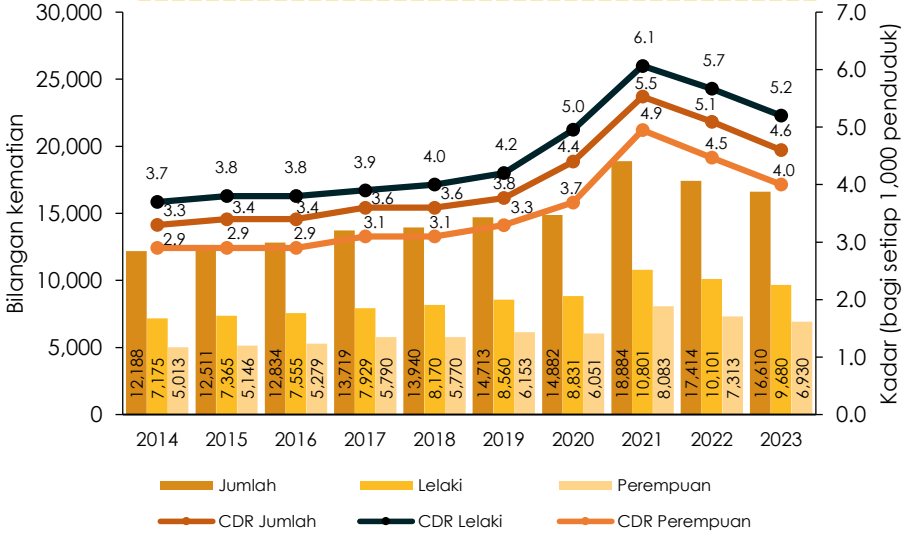
PURATA

2 kematian setiap jam

46 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), SABAH, 2014-2023

Kematian pada 2023 menurun **4.6 peratus** (804 kematian) berbanding 2022 (17,414 kematian)



SEBAB KEMATIAN UTAMA[1]

Pneumonia merupakan sebab kematian utama di **Sabah** tahun 2023

14.2%

Pneumonia

13.5%

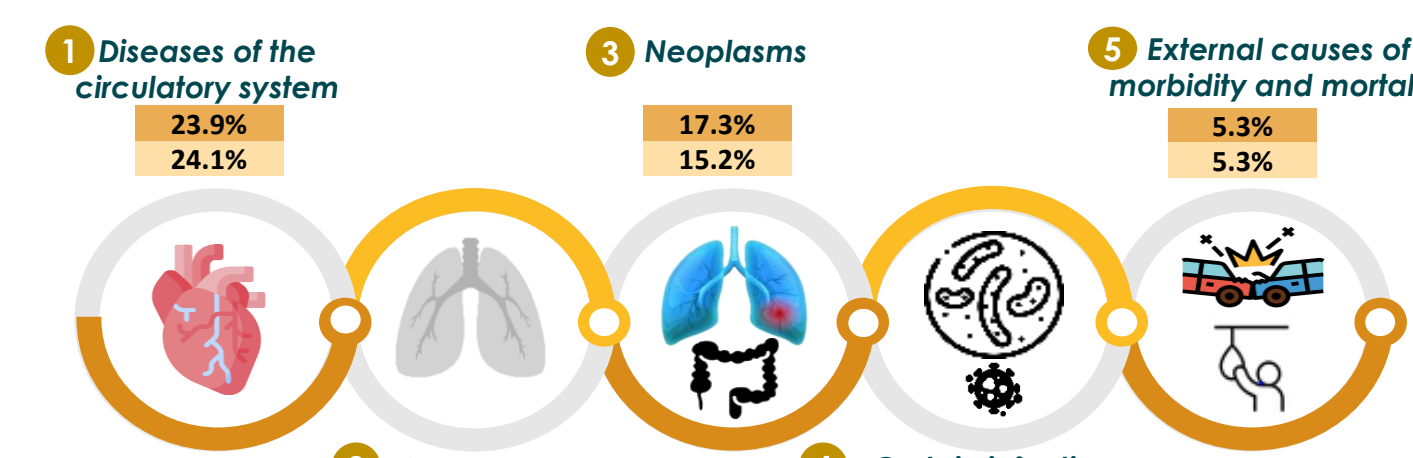
Pneumonia

15.2%

Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium

11.8% merupakan sebab kematian utama bagi ibu bersalin

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, SABAH, 2023



1 ***Diseases of the circulatory system***

23.9%
24.1%

2 ***Diseases of the respiratory system***

20.6%
19.4%

3 ***Neoplasms***

17.3%
15.2%

4 ***Certain infectious and parasitic diseases***

8.1%
6.5%

5 ***External causes of morbidity and mortality***

5.3%
5.3%

Nota

2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, SABAH, 2023



Melayu (1,118 kematian)

1	*Pneumonia*	**12.4%**
2	*Ischaemic heart diseases*	**10.6%**
3	*Cerebrovascular diseases*	**7.3%**
4	*Malignant neoplasm of colon, rectum and anus*	**2.5%**
5	*Hypertensive diseases*	**2.3%**



Bumiputera Lain (5,164 kematian)

1	*Pneumonia*	**13.8%**
2	*Ischaemic heart diseases*	**6.6%**
3	*Cerebrovascular diseases*	**6.6%**
4	*Transport accidents*	**2.7%**
5	*Hypertensive diseases*	**2.7%**



Cina (1,211 kematian)

1	*Pneumonia*	**17.8%**
2	*Ischaemic heart diseases*	**9.7%**
3	*Cerebrovascular diseases*	**6.3%**
4	*Malignant neoplasm of colon, rectum and anus*	**3.1%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**3.0%**



India (29 kematian)

1	*Pneumonia*	**20.7%**
2	*Ischaemic heart diseases*	**17.2%**
3	*Cerebrovascular diseases*	**6.9%**
4	*Malignant neoplasm of liver and intrahepatic bile ducts*	**3.4%**
5	*Leukaemia*	**3.4%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, SABAH, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	35.9%
Edward's syndrome and Patau's syndrome	9.2%
Cardiovascular disorders originating in the perinatal period	5.3%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	29.2%
Edward's syndrome and Patau's syndrome	7.0%
Cardiovascular disorders originating in the perinatal period	6.4%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	44.7%
Congenital malformations, deformations and chromosomal abnormalities	28.7%
Pneumonia	2.8%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	11.0%
Pneumonia	9.9%
Leukaemia	5.5%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	33.8%
Congenital malformations, deformations and chromosomal abnormalities	24.4%
Pneumonia	4.6%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, SABAH, 2023



0-14 TAHUN
(488 kematian)

Pneumonia	4.9%
Transport accidents	2.7%
Meningitis	2.0%



15-40 TAHUN
(910 kematian)

Transport accidents	11.9%
Pneumonia	8.1%
Cerebrovascular diseases	4.4%



41-59 TAHUN
(2,049 kematian)

Ischaemic heart diseases	10.2%
Pneumonia	8.2%
Cerebrovascular diseases	7.3%



60 TAHUN DAN LEBIH
(4,562 kematian)

Pneumonia	19.0%
Ischaemic heart diseases	8.6%
Cerebrovascular diseases	7.4%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, SABAH, 2023

Kumpulan umur	*Pneumonia*	*Ischaemic heart diseases*	*Cerebrovascular diseases*	*Hypertensive diseases*	*Chronic lower respiratory diseases*
Jumlah	**1,134**	**635**	**530**	**200**	**188**
0	8 (0.7%)	-	-	-	1 (0.5%)
1-4	9 (0.8%)	-	-	-	1 (0.5%)
5-9	4 (0.4%)	-	-	-	-
10-14	3 (0.3%)	-	-	-	-
15-19	7 (0.6%)	1 (0.2%)	2 (0.4%)	-	2 (1.1%)
20-24	12 (1.1%)	3 (0.5%)	2 (0.4%)	-	3 (1.6%)
25-29	11 (1.0%)	3 (0.5%)	1 (0.2%)	1 (0.5%)	2 (1.1%)
30-34	19 (1.7%)	11 (1.7%)	9 (1.7%)	3 (1.5%)	1 (0.5%)
35-39	21 (1.9%)	12 (1.9%)	23 (4.3%)	7 (3.5%)	3 (1.6%)
40-44	26 (2.3%)	38 (6.0%)	24 (4.5%)	14 (7.0%)	3 (1.6%)
45-49	34 (3.0%)	45 (7.1%)	45 (8.5%)	15 (7.5%)	4 (2.1%)
50-54	43 (3.8%)	61 (9.6%)	39 (7.4%)	22 (11.0%)	9 (4.8%)
55-59	68 (6.0%)	70 (11.0%)	45 (8.5%)	13 (6.5%)	8 (4.3%)
60-64	106 (9.3%)	87 (13.7%)	49 (9.2%)	32 (16.0%)	17 (9.0%)
65-69	147 (13.0%)	100 (15.7%)	65 (12.3%)	23 (11.5%)	26 (13.8%)
70-74	147 (13.0%)	70 (11.0%)	69 (13.0%)	27 (13.5%)	27 (14.4%)
75-79	135 (11.9%)	56 (8.8%)	44 (8.3%)	16 (8.0%)	27 (14.4%)
80-84	166 (14.6%)	47 (7.4%)	59 (11.1%)	10 (5.0%)	23 (12.2%)
85 dan lebih	168(14.8%)	31 (4.9%)	54 (10.2%)	17 (8.5%)	31 (16.5%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, SABAH



DAERAH PENTADBIRAN	2023		2022	
Tawau	*Pneumonia*	70 (13.2%)	*Pneumonia*	72 (10.5%)
Lahad Datu	*Pneumonia*	42 (13.2%)	*Pneumonia*	41 (13.9%)
Semporna	*Pneumonia*	37 (13.0%)	*Cerebrovascular diseases*	20 (9.4%)
Sandakan	*Ischaemic heart diseases*	158 (17.6%)	*Pneumonia*	124 (15.9%)
Kinabatangan	*Pneumonia*	19 (18.4%)	*Ischaemic heart diseases*	11 (10.7%)
Beluran	*Pneumonia*	27 (20.5%)	*Pneumonia*	18 (15.8%)
Kota Kinabalu	*Pneumonia*	155 (15.3%)	*Pneumonia*	146 (12.1%)
Ranau	*Pneumonia*	49 (15.4%)	*Pneumonia*	41 (13.6%)
Kota Belud	*Pneumonia*	51 (13.1 %)	*Pneumonia*	60 (12.3%)
Tuaran	*Pneumonia*	78 (14.7%)	*Pneumonia*	87 (14.4%)
Penampang	*Pneumonia*	62 (15.5%)	*Pneumonia*	71 (14.9%)
Papar	*Pneumonia*	63 (12.7%)	*Pneumonia*	55 (12.2%)
Kudat	*Pneumonia*	41 (15.1%)	*Pneumonia*	41 (14.4%)
Kota Marudu	*Pneumonia*	29 (11.5%)	*Pneumonia*	36 (15.5%)
Pitas	*Pneumonia*	33 (17.7%)	*Pneumonia*	19 (13.8%)
Beaufort	*Pneumonia*	43 (12.8%)	*Pneumonia*	48 (12.0%)
Kuala Penyu	*Pneumonia*	31 (20.9%)	*Pneumonia*	21 (14.0%)
Sipitang	*Pneumonia*	14 (10.5%)	*Pneumonia*	16 (12.7%)
Tenom	*Pneumonia*	24 (12.7%)	*Pneumonia*	22 (11.7%)
Nabawan	*Pneumonia*	11 (13.8%)	*Pneumonia*	11 (16.2%)
Keningau	*Pneumonia*	51 (12.2%)	*Hypertensive diseases*	44 (9.2%)
Tambunan	*Pneumonia*	22 (15.0%)	*Pneumonia*	17 (9.5%)
Kunak	*Pneumonia*	12 (10.7%)	*Ischaemic heart diseases*	16 (14.3%)
Tongod	*Cerebrovascular diseases*	7 (10.0%)	*Pneumonia*	6 (13.6%)
Putatan	*Pneumonia*	22 (12.5%)	*Pneumonia*	24 (16.2%)
Telupid	*Pneumonia*	7 (20.6%)	*Cerebrovascular diseases*	4 (10.3%)
Kalabakan	*Malignant neoplasm of breast*	3 (8.1%)	*Ischaemic heart diseases*	3 (9.7%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, SARAWAK, 2023

SARAWAK

9,211 (57.0%) kematian

16,158 kematian

6,947 (43.0%) kematian

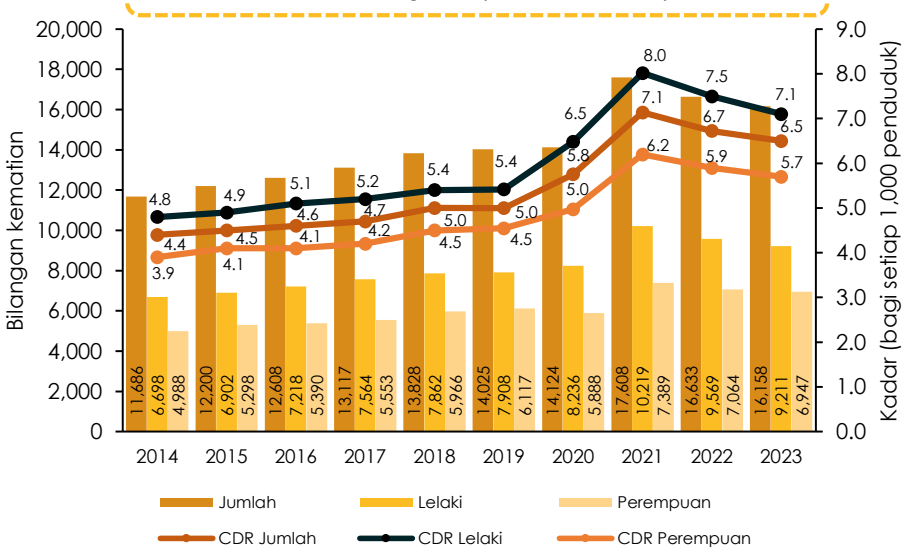
PURATA

2 kematian setiap jam

44 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), SARAWAK, 2014-2023

Kematian pada 2023 menurun **2.9 peratus** (475 kematian) berbanding 2022 (16,633 kematian)



SEBAB KEMATIAN UTAMA[1]

Pneumonia merupakan sebab kematian utama di **Sarawak** tahun 2023

9.9%

Ischaemic heart diseases

9.9%

Pneumonia

10.8%

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium

16.7%

merupakan sebab kematian utama bagi ibu bersalin

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10 , SARAWAK, 2023

1 ***Diseases of the circulatory system***

24.4%
25.4%

2 ***Neoplasms***

19.8%
17.8%

3 ***Diseases of the respiratory system***

17.1%
17.0%

4 ***Certain infectious and parasitic diseases***

8.7%
7.2%

5 ***External causes of morbidity and mortality***

6.3%
6.7%

Nota

2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, SARAWAK, 2023



Melayu (1,453 kematian)

1	*Ischaemic heart diseases*	**9.4%**
2	*Cerebrovascular diseases*	**8.7%**
3	*Pneumonia*	**7.4%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**3.5%**
5	*Chronic lower respiratory diseases*	**3.3%**



Bumiputera Lain (3,839 kematian)

1	*Pneumonia*	**10.3%**
2	*Ischaemic heart diseases*	**8.1%**
3	*Cerebrovascular diseases*	**6.8%**
4	*Chronic lower respiratory diseases*	**4.2%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**3.2%**



Cina (2,412 kematian)

1	*Pneumonia*	**10.9%**
2	*Ischaemic heart diseases*	**7.7%**
3	*Cerebrovascular diseases*	**6.6%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**4.1%**
5	*Malignant neoplasm of colon, rectum and anus*	**3.7%**



India (23 kematian)

1	*Ischaemic heart diseases*	**21.7%**
2	*Hypertensive diseases*	**8.7%**
3	*Pneumonia*	**8.7%**
4	*Transport accidents*	**8.7%**
5	*Malignant neoplasm of stomach*	**4.3%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, SARAWAK, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	28.3%
Cardiovascular disorders originating in the perinatal period	8.7%
Bacterial sepsis of newborn	4.3%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	21.0%
Cardiovascular disorders originating in the perinatal period	10.5%
Bacterial sepsis of newborn	6.5%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	41.9%
Congenital malformations, deformations and chromosomal abnormalities	34.6%
Pneumonia	1.6%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	15.8%
Diseases of the liver	5.3%
Respiratory tuberculosis	2.6%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	34.9%
Congenital malformations, deformations and chromosomal abnormalities	31.4%
Pneumonia	1.7%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, SARAWAK, 2023



0-14 TAHUN
(293 kematian)

Pneumonia	2.0%
Chronic lower respiratory diseases	1.4%
Leukaemia	1.0%



15-40 TAHUN
(795 kematian)

Transport accidents	10.4%
Pneumonia	5.2%
Ischaemic heart diseases	5.0%



41-59 TAHUN
(1,890 kematian)

Ischaemic heart diseases	9.7%
Cerebrovascular diseases	6.6%
Pneumonia	6.1%



60 TAHUN DAN LEBIH
(4,808 kematian)

Pneumonia	12.7%
Ischaemic heart diseases	8.7%

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 3 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, SARAWAK, 2023

Kumpulan umur	*Pneumonia*	*Ischaemic heart diseases*	*Cerebrovascular diseases*	*Malignant neoplasm of trachea, bronchus and lung*	*Chronic lower respiratory diseases*
Jumlah	**773**	**640**	**552**	**272**	**249**
0	3 (0.4%)	-	-	-	3 (1.2%)
1-4	1 (0.1%)	-	-	-	1 (0.4%)
5-9	1 (0.1%)	-	-	-	-
10-14	1 (0.1%)	-	-	-	-
15-19	2 (0.3%)	-	-	-	-
20-24	4 (0.5%)	4 (0.6%)	1 (0.2%)	-	-
25-29	7 (0.9%)	4 (0.6%)	3 (0.5%)	-	4 (1.6%)
30-34	9 (1.2%)	11 (1.7%)	8 (1.4%)	4 (1.5%)	3 (1.2%)
35-39	17 (2.2%)	14 (2.2%)	19 (3.4%)	5 (1.8%)	3 (1.2%)
40-44	14 (1.8%)	29 (4.5%)	23 (4.2%)	9 (3.3%)	1 (0.4%)
45-49	31 (4.0%)	42 (6.6%)	25 (4.5%)	17 (6.3%)	8 (3.2%)
50-54	36 (4.7%)	55 (8.6%)	41 (7.4%)	29 (10.7%)	8 (3.2%)
55-59	37 (4.8%)	64 (10.0%)	45 (8.2%)	35 (12.9%)	9 (3.6%)
60-64	58 (7.5%)	73 (11.4%)	46 (8.3%)	32 (11.8%)	19 (7.6%)
65-69	80 (10.3%)	87 (13.6%)	70 (12.7%)	39 (14.3%)	40 (16.1%)
70-74	109 (14.1%)	86 (13.4%)	62 (11.2%)	36 (13.2%)	35 (14.1%)
75-79	114 (14.7%)	71 (11.1%)	76 (13.8%)	36 (13.2%)	42 (16.9%)
80-84	100 (12.9%)	56 (8.8%)	60 (10.9%)	22 (8.1%)	34 (13.7%)
85 dan lebih	149 (19.3%)	44 (6.9%)	73 (13.2%)	8 (2.9%)	39 (15.7%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, SARAWAK

DAERAH PENTADBIRAN	2023		2022	
Kuching	*Ischaemic heart diseases*	159 (9.9%)	*Ischaemic heart diseases*	180 (10.7%)
Bau	*Pneumonia*	19 (10.1%)	*Pneumonia*	19 (9.5%)
Lundu	*Pneumonia*	10 (10.3%)	*Cerebrovascular diseases*	16 (12.5%)
Samarahan	*Cerebrovascular diseases*	10 (6.8%)	*Ischaemic heart diseases*	20 (11.5%)
Serian	*Ischaemic heart diseases*	38 (10.4%)	*Ischaemic heart diseases*	39 (10.8%)
Simunjan	*Cerebrovascular diseases*	12 (9.9%)	*Pneumonia*	17 (12.6%)
Sri Aman	*Pneumonia*	19 (12.5%)	*Pneumonia*	20 (10.5%)
Lubok Antu	*Ischaemic heart diseases*	9 (11.1%)	*Ischaemic heart diseases*	9 (11.8%)
Betong	*Cerebrovascular diseases*	18 (11.6%)	*Cerebrovascular diseases*	26 (11.6%)
Saratok	*Cerebrovascular diseases*	14 (13.2%)	*Pneumonia*	10 (11.5%)
Sarikei	*Pneumonia*	24 (10.3%)	*Cerebrovascular diseases*	18 (10.1%)
Maradong	*Pneumonia*	16 (14.8%)	*Pneumonia*	12 (10.4%)
Daro	*Pneumonia*	4 (10.8%)	*Cerebrovascular diseases*	8 (13.8%)
Julau	*Pneumonia*	6 (10.5%)	*Cerebrovascular diseases*	6 (10.3%)
Sibu	*Pneumonia*	103 (9.0%)	*Pneumonia*	97 (10.8%)
Dalat	*Hypertensive diseases*	6 (7.3%)	*Cerebrovascular diseases*	9 (10.6%)
Mukah	*Ischaemic heart diseases*	14 (10.2%)	*Pneumonia*	22 (14.0%)
Kanowit	*Pneumonia*	15 (9.3%)	*Pneumonia*	27 (16.3%)
Bintulu	*Ischaemic heart diseases*	27 (10.2%)	*Pneumonia*	34 (11.3%)
Tatau	*Ischaemic heart diseases*	7 (10.4%)	*Pneumonia*	7 (9.7%)
Kapit	*Ischaemic heart diseases*	12 (8.6%)	*Pneumonia*	14 (9.9%)
Song	*Pneumonia*	8 (12.5%)	*Ischaemic heart diseases*	5 (12.5%)
Belaga	*Cerebrovascular diseases*	9 (13.8%)	*Malignant neoplasm of trachea, bronchus and lung*	4 (10.5%)
Miri	*Pneumonia*	114 (15.7%)	*Pneumonia*	101 (12.5%)
Marudi	*Pneumonia*	18 (17.8%)	*Pneumonia*	11 (12.6%)
Limbang	*Cerebrovascular diseases*	34 (12.8%)	*Pneumonia*	15 (9.1%)
Lawas	*Pneumonia*	14 (10.0%)	*Pneumonia*	17 (10.3%)
Matu	*Cerebrovascular diseases*	5 (11.6%)	*Cerebrovascular diseases*	7 (14.3%)
Asajaya	*Ischaemic heart diseases*	9 (10.8%)	*Hypertensive diseases*	7 (8.2%)
Pakan	*Pneumonia*	10 (18.9%)	*Chronic lower respiratory diseases*	7 (15.2%)
Selangau	*Cerebrovascular diseases*	6 (8.2%)	*Pneumonia*	11 (14.7%)
Tebedu	*Pneumonia*	8 (9.9%)	*Pneumonia*	7 (9.5%)
Pusa	*Ischaemic heart diseases*	10 (10.4%)	*Ischaemic heart diseases*	15 (14.0%)
Kabong	*Cerebrovascular diseases*	9 (10.8%)	*Chronic lower respiratory diseases*	10 (13.5%)
Tanjung Manis	*Ischaemic heart diseases*	2 (10.5%)	*Ischaemic heart diseases*	5 (20.0%)
Sebauh	*Cerebrovascular diseases*	10 (13.5%)	*Cerebrovascular diseases*	8 (10.1%)
Bukit Mabong	*Pneumonia*	6 (10.5%)	*Pneumonia*	11 (19.3%)
Subis	*Pneumonia*	30 (18.3%)	*Pneumonia*	19 (12.3%)
Beluru	*Pneumonia*	17 (19.3%)	*Pneumonia*	13 (13.7%)
Telang Usan	*Pneumonia*	14 (23.0%)	*Pneumonia*	11 (17.5%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, SELANGOR, 2023

SELANGOR

19,029 (58.3%) kematian

32,646 kematian

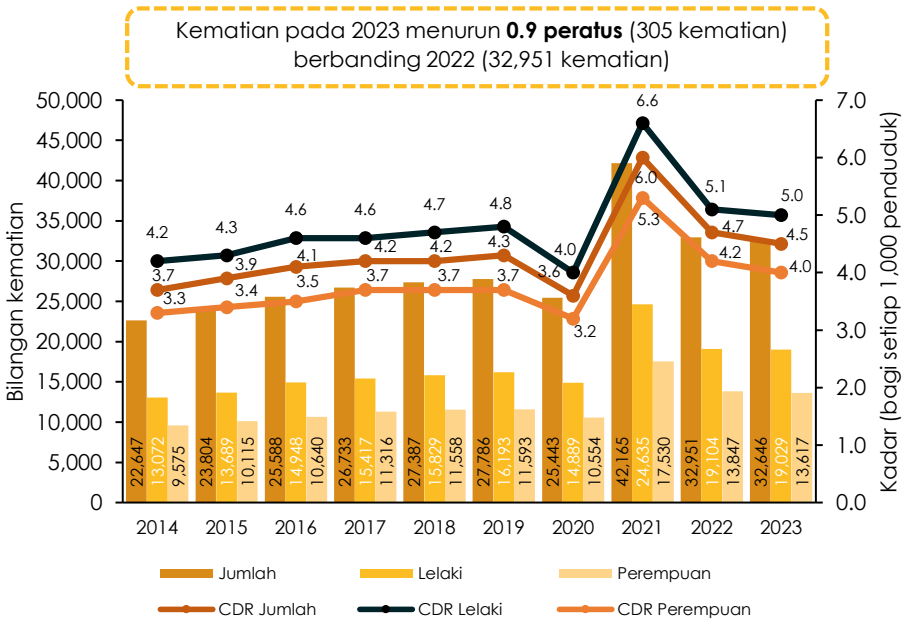
13,617 (41.7%) kematian

PURATA

4 kematian setiap jam

89 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), SELANGOR, 2014-2023



SEBAB KEMATIAN UTAMA[1]

Ischaemic heart diseases merupakan sebab kematian utama di **Selangor** tahun 2023

15.2%

Ischaemic heart diseases

18.2%

Pneumonia

16.4%

Obstetric embolism merupakan sebab kematian utama bagi ibu bersalin

26.7%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, SELANGOR, 2023

1 ***Diseases of the circulatory system***

27.8%
29.4%

2 ***Diseases of the respiratory system***

20.1%
16.5%

3 ***Neoplasms***

14.9%
14.9%

4 ***External causes of morbidity and mortality***

8.0%
7.0%

5 ***Certain infectious and parasitic diseases***

7.9%
7.6%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, SELANGOR, 2023



Melayu (9,643 kematian)

1	*Pneumonia*	**14.8%**
2	*Ischaemic heart diseases*	**14.3%**
3	*Cerebrovascular diseases*	**6.4%**
4	*Transport accidents*	**4.9%**
5	*Malignant neoplasm of breast*	**1.7%**



Bumiputera Lain (277 kematian)

1	*Ischaemic heart diseases*	**13.4%**
2	*Transport accidents*	**10.1%**
3	*Pneumonia*	**9.7%**
4	*Cerebrovascular diseases*	**7.6%**
5	*Diseases of the liver*	**1.8%**



Cina (5,859 kematian)

1	*Pneumonia*	**16.6%**
2	*Ischaemic heart diseases*	**14.2%**
3	*Cerebrovascular diseases*	**6.7%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**3.1%**
5	*Malignant neoplasm of colon, rectum and anus*	**3.0%**



India (3,589 kematian)

1	*Ischaemic heart diseases*	**20.4%**
2	*Pneumonia*	**14.5%**
3	*Cerebrovascular diseases*	**5.4%**
4	*Transport accidents*	**4.6%**
5	*Diseases of the liver*	**2.6%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, SELANGOR, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	18.6%
Bacterial sepsis of newborn	7.4%
Edward's syndrome and Patau's syndrome	7.0%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	14.1%
Bacterial sepsis of newborn	9.7%
Cardiovascular disorders originating in the perinatal period	5.9%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	43.5%
Congenital malformations, deformations and chromosomal abnormalities	29.0%
Cerebrovascular diseases	0.9%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	13.5%
Pneumonia	5.8%
Transport accidents	4.8%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	36.3%
Congenital malformations, deformations and chromosomal abnormalities	26.5%
Pneumonia	1.7%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, SELANGOR, 2023



0-14 TAHUN
(794 kematian)

Transport accidents	3.0%
Pneumonia	2.4%
Leukaemia	1.5%



15-40 TAHUN
(2,211 kematian)

Transport accidents	21.2%
Ischaemic heart diseases	9.8%
Intentional self-harm	9.2%



41-59 TAHUN
(5,183 kematian)

Ischaemic heart diseases	22.1%
Pneumonia	9.3%
Cerebrovascular diseases	7.2%



60 TAHUN DAN LEBIH
(12,046 kematian)

Pneumonia	20.4%
Ischaemic heart diseases	14.2%
Cerebrovascular diseases	6.8%

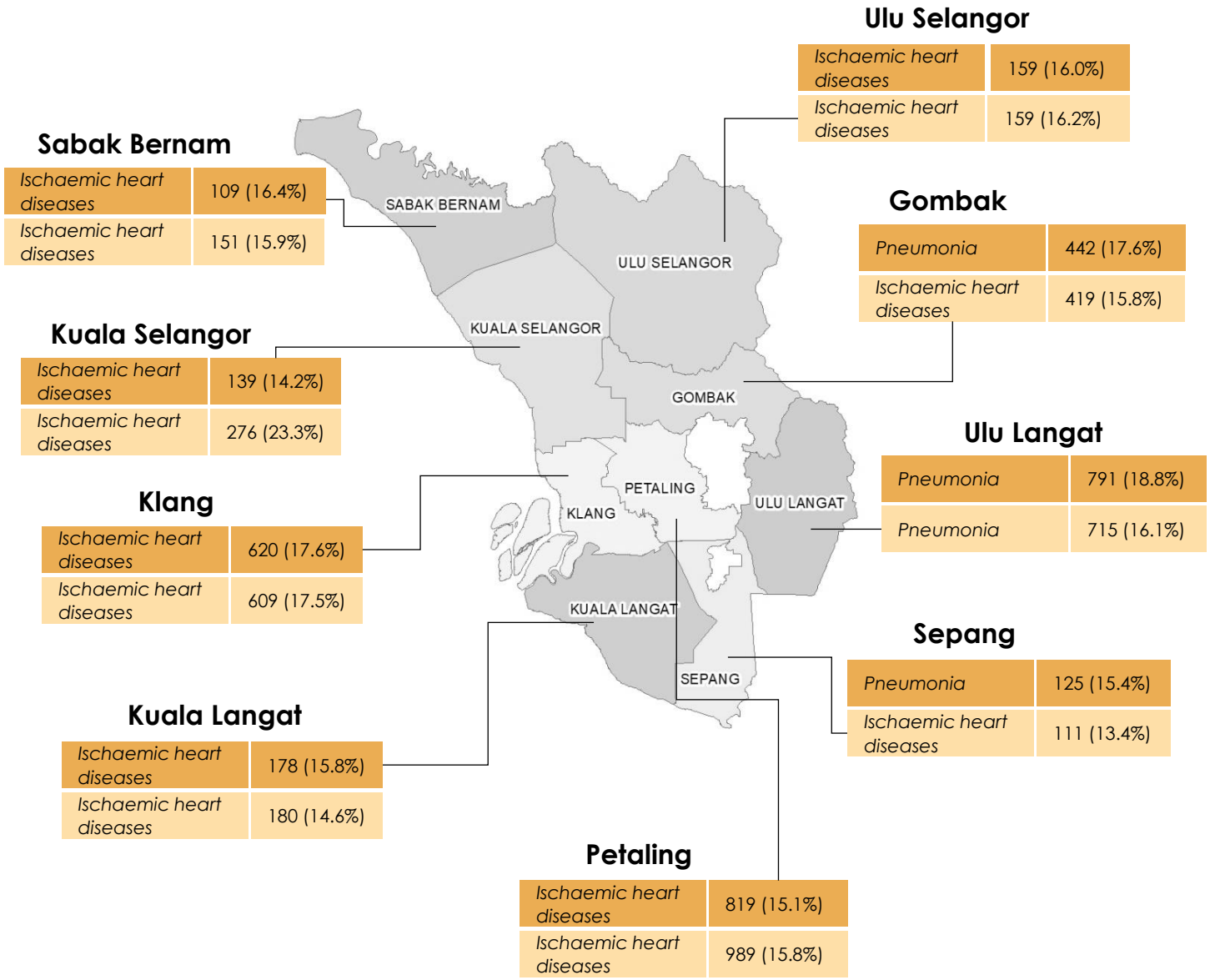
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, SELANGOR, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Malignant neoplasm of trachea, bronchus and lung*
Jumlah	**3,076**	**3,072**	**1,283**	**775**	**390**
0	-	5 (0.2%)	-	1 (0.1%)	-
1-4	-	6 (0.2%)	-	5 (0.6%)	-
5-9	-	1 (0.0%)	-	5 (0.6%)	-
10-14	-	7 (0.2%)	2 (0.2%)	13 (1.7%)	-
15-19	3 (0.1%)	10 (0.3%)	3 (0.2%)	109 (14.1%)	-
20-24	1 (0.0%)	14 (0.5%)	7 (0.5%)	124 (16.0%)	-
25-29	17 (0.6%)	17 (0.6%)	7 (0.5%)	92 (11.9%)	-
30-34	53 (1.7%)	28 (0.9%)	11 (0.9%)	74 (9.5%)	1 (0.3%)
35-39	117 (3.8%)	39 (1.3%)	46 (3.6%)	63 (8.1%)	1 (0.3%)
40-44	180 (5.9%)	68 (2.2%)	61 (4.8%)	50 (6.5%)	12 (3.1%)
45-49	272 (8.8%)	96 (3.1%)	89 (6.9%)	61 (7.9%)	23 (5.9%)
50-54	307 (10.0%)	128 (4.2%)	96 (7.5%)	36 (4.6%)	32 (8.2%)
55-59	412 (13.4%)	198 (6.4%)	132 (10.3%)	38 (4.9%)	57 (14.6%)
60-64	392 (12.7%)	271 (8.8%)	151 (11.8%)	28 (3.6%)	60 (15.4%)
65-69	386 (12.5%)	353 (11.5%)	162 (12.6%)	28 (3.6%)	77 (19.7%)
70-74	329 (10.7%)	430 (14.0%)	158 (12.3%)	25 (3.2%)	60 (15.4%)
75-79	262 (8.5%)	447 (14.6%)	136 (10.6%)	18 (2.3%)	35 (9.0%)
80-84	192 (6.2%)	444 (14.5%)	110 (8.6%)	4 (0.5%)	22 (5.6%)
85 dan lebih	153 (5.0%)	510 (16.6%)	112 (8.73%)	1 (0.13%)	10 (2.6%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, SELANGOR



Ulu Selangor

Ischaemic heart diseases	159 (16.0%)
Ischaemic heart diseases	159 (16.2%)

Sabak Bernam

Ischaemic heart diseases	109 (16.4%)
Ischaemic heart diseases	151 (15.9%)

Gombak

Pneumonia	442 (17.6%)
Ischaemic heart diseases	419 (15.8%)

Kuala Selangor

Ischaemic heart diseases	139 (14.2%)
Ischaemic heart diseases	276 (23.3%)

Ulu Langat

Pneumonia	791 (18.8%)
Pneumonia	715 (16.1%)

Klang

Ischaemic heart diseases	620 (17.6%)
Ischaemic heart diseases	609 (17.5%)

Sepang

Pneumonia	125 (15.4%)
Ischaemic heart diseases	111 (13.4%)

Kuala Langat

Ischaemic heart diseases	178 (15.8%)
Ischaemic heart diseases	180 (14.6%)

Petaling

Ischaemic heart diseases	819 (15.1%)
Ischaemic heart diseases	989 (15.8%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, TERENGGANU, 2023

TERENGGANU

4,441 (56.5%) kematian

7,857 kematian

3,416 (43.5%) kematian

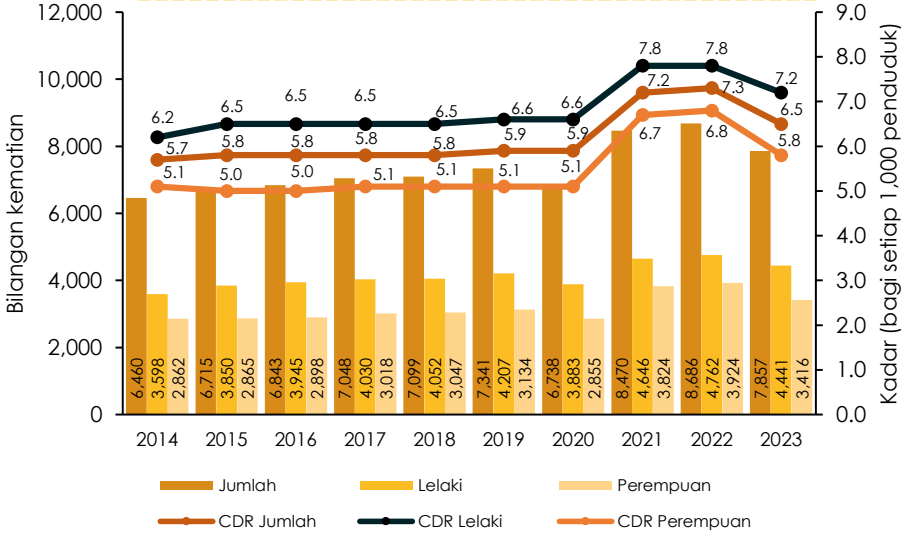
PURATA

1 kematian setiap jam

22 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), TERENGGANU, 2014-2023

Kematian pada 2023 menurun **9.5 peratus** (829 kematian) berbanding 2022 (8,686 kematian)



SEBAB KEMATIAN UTAMA[1]

Ischaemic heart diseases merupakan sebab kematian utama di **Terengganu** tahun 2023

15.3%

Ischaemic heart diseases

18.7%

Pneumonia

13.6%

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium

33.3% merupakan sebab kematian utama bagi ibu bersalin

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10 , TERENGGANU, 2023

1 ***Diseases of the circulatory system***

33.0%
33.3%

2 ***Diseases of the respiratory system***

18.1%
19.1%

3 ***Neoplasms***

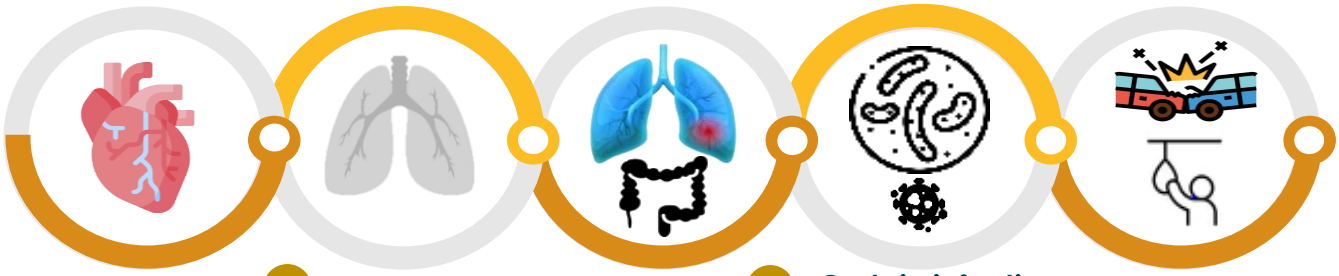
10.9%
9.7%

4 ***Certain infectious and parasitic diseases***

7.4%
6.4%

5 ***External causes of morbidity and mortality***

7.2%
5.5%



Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, TERENGGANU, 2023



Melayu (4,874 kematian)

1	*Ischaemic heart diseases*	**15.0%**
2	*Pneumonia*	**13.6%**
3	*Cerebrovascular diseases*	**10.3%**
4	*Transport accidents*	**4.3%**
5	*Diabetes mellitus*	**4.0%**



Bumiputera Lain (12 kematian)

1	*Ischaemic heart diseases*	**25.0%**
2	*Cerebrovascular diseases*	**16.7%**
3	*Pneumonia*	**16.7%**

Nota : Tiada sebab kematian diklasifikasikan di kedudukan 4 hingga 5 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.



Cina (149 kematian)

1	*Ischaemic heart diseases*	**20.8%**
2	*Pneumonia*	**15.4%**
3	*Cerebrovascular diseases*	**6.7%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**4.0%**
5	*Malignant neoplasm of liver and intrahepatic bile ducts*	**3.4%**



India (15 kematian)

1	*Ischaemic heart diseases*	**33.3%**
2	*Pneumonia*	**13.3%**
3	*Malignant neoplasm of liver and intrahepatic bile ducts*	**6.7%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**6.7%**
5	*Hypertensive diseases*	**6.7%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, TERENGGANU, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	20.6%
Intracranial nontraumatic haemorhage of fetus and newborn	15.9%
Edward's syndrome and Patau's syndrome	11.2%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	15.0%
Intracranial nontraumatic haemorhage of fetus and newborn	12.9%
Edward's syndrome and Patau's syndrome	8.8%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	53.6%
Congenital malformations, deformations and chromosomal abnormalities	31.8%
Diseases of the liver	1.0%

KANAK-KANAK 1-4 TAHUN

Transport accidents	15.0%
Congenital malformations, deformations and chromosomal abnormalities	10.0%
Diarrhoea and gastroenteritis of presume infectious	2.5%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	44.4%
Congenital malformations, deformations and chromosomal abnormalities	28.0%
Transport accidents	3.4%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, TERENGGANU, 2023



0-14 TAHUN
(278 kematian)

Transport accidents	5.0%
Leukaemia	1.4%
Pneumonia	1.4%



15-40 TAHUN
(527 kematian)

Transport accidents	23.5%
Ischaemic heart diseases	10.4%
Pneumonia	9.1%



41-59 TAHUN
(1,236 kematian)

Ischaemic heart diseases	18.3%
Pneumonia	11.3%
Cerebrovascular diseases	9.6%



60 TAHUN DAN LEBIH
(3,046 kematian)

Pneumonia	16.4%
Ischaemic heart diseases	16.3%
Cerebrovascular diseases	12.2%

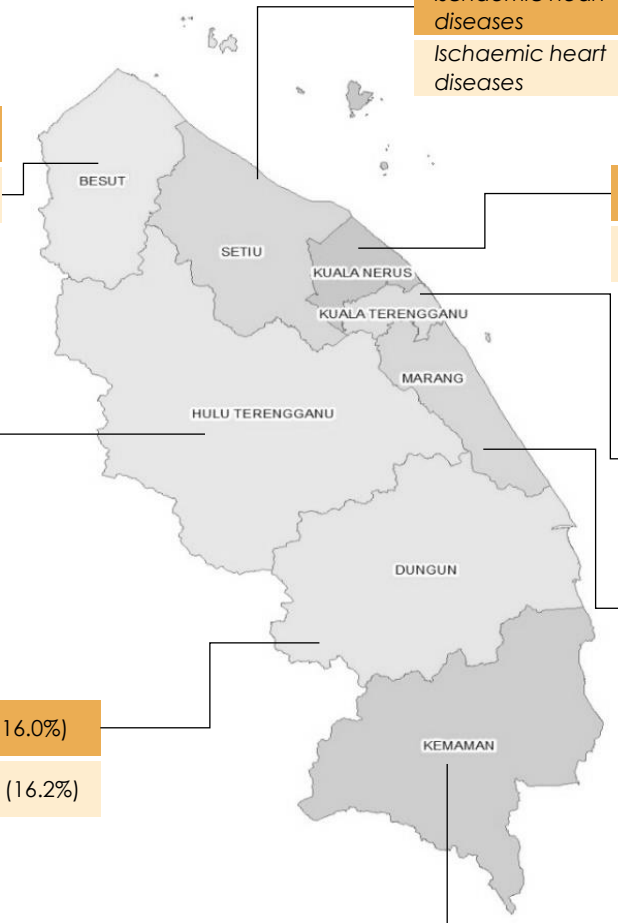
Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, TERENGGANU, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Transport accidents*	*Diabetes mellitus*
Jumlah	**776**	**692**	**514**	**214**	**197**
0	-	1 (0.1%)	-	2 (0.9%)	-
1-4	-	1 (0.1%)	-	6 (2.8%)	-
5-9	-	1 (0.1%)	-	-	-
10-14	-	1 (0.1%)	1 (0.2%)	6 (2.8%)	-
15-19	-	7 (1.0%)	-	39 (18.2%)	1 (0.5%)
20-24	2 (0.3%)	2 (0.3%)	-	39 (18.2%)	-
25-29	6 (0.8%)	8 (1.2%)	2 (0.4%)	11 (5.1%)	2 (1.0%)
30-34	12 (1.5%)	8 (1.2%)	4 (0.8%)	18 (8.4%)	2 (1.0%)
35-39	27 (3.5%)	21 (3.0%)	12 (2.3%)	17 (7.9%)	1 (0.5%)
40-44	31 (4.0%)	15 (2.2%)	14 (2.7%)	13 (6.1%)	2 (1.0%)
45-49	50 (6.4%)	32 (4.6%)	28 (5.4%)	11 (5.1%)	9 (4.6%)
50-54	59 (7.6%)	35 (5.1%)	31 (6.0%)	8 (3.7%)	15 (7.6%)
55-59	94 (12.1%)	60 (8.7%)	49 (9.5%)	9 (4.2%)	14 (7.1%)
60-64	127 (16.4%)	88 (12.7%)	60 (11.7%)	5 (2.3%)	22 (11.2%)
65-69	123 (15.9%)	93 (13.4%)	66 (12.8%)	9 (4.2%)	28 (14.2%)
70-74	83 (10.7%)	99 (14.3%)	66 (12.8%)	11 (5.1%)	36 (18.3%)
75-79	80 (10.3%)	103 (14.9%)	78 (15.2%)	5 (2.3%)	32 (16.2%)
80-84	46 (5.9%)	57 (8.2%)	63 (12.3%)	2 (0.9%)	17 (8.6%)
85 dan lebih	36 (4.6%)	60 (8.7%)	40 (7.8%)	3 (1.4%)	16 (8.1%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN, TERENGGANU



Setiu

Ischaemic heart diseases	46 (17.0%)
Ischaemic heart diseases	64 (18.4%)

Besut

Ischaemic heart diseases	94 (14.3%)
Ischaemic heart diseases	168 (17.6%)

Kuala Nerus

Pneumonia	54 (11.6%)
Pneumonia	97 (19.4%)

Kuala Terengganu

Ischaemic heart diseases	213 (15.7%)
Ischaemic heart diseases	254 (16.0%)

Hulu Terengganu

Ischaemic heart diseases	63 (15.6%)
Cerebrovascular diseases	81 (15.9%)

Marang

Ischaemic heart diseases	82 (13.8%)
Pneumonia	78 (12.6%)

Dungun

Pneumonia	91 (16.0%)
Pneumonia	135 (16.2%)

Kemaman

Ischaemic heart diseases	147 (19.1%)
Ischaemic heart diseases	154 (16.2%)

Nota

Sebab kematian utama 2023

Sebab kematian utama 2022

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

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PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, W.P KUALA LUMPUR, 2023

W.P KUALA LUMPUR

5,531 (57.3%) kematian

9,646 kematian

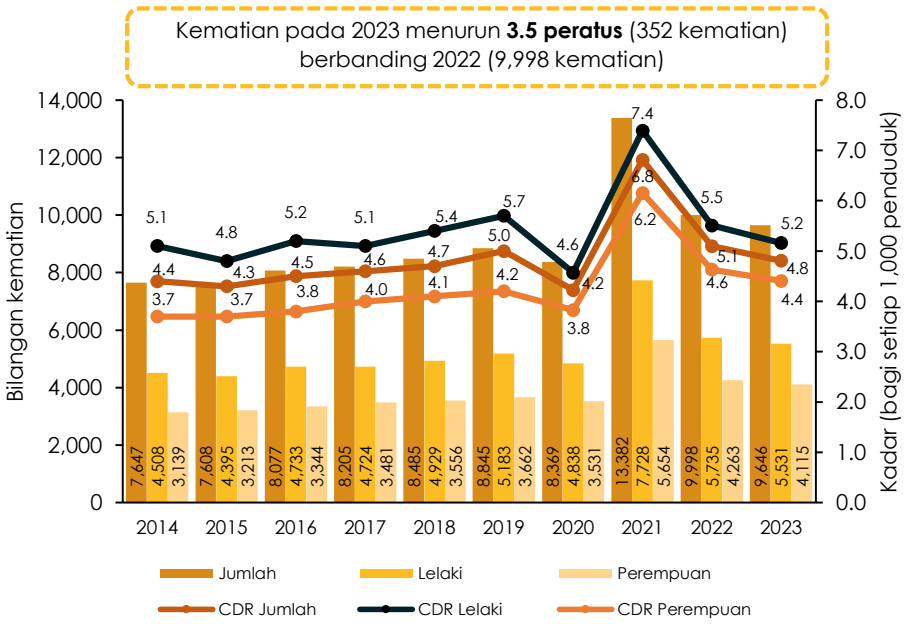
4,115 (42.7%) kematian

PURATA

1 kematian setiap jam

26 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), W.P KUALA LUMPUR, 2014-2023



SEBAB KEMATIAN UTAMA[1]

Ischaemic heart diseases merupakan sebab kematian utama di **W.P. Kuala Lumpur** tahun 2023

16.3%

Ischaemic heart diseases **18.5%**

Pneumonia **14.8%**

Postpartum haemorrhage merupakan sebab kematian utama bagi ibu bersalin

25.0%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, W.P. KUALA LUMPUR, 2023

1 ***Diseases of the circulatory system***
30.4%
30.7%

2 ***Diseases of the respiratory system***
19.5%
16.2%

3 ***Neoplasms***
18.6%
16.6%

4 ***Certain infectious and parasitic diseases***
6.3%
7.2%

5 ***External causes of morbidity and mortality***
6.1%
6.4%

Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, W.P. KUALA LUMPUR, 2023



Melayu (2,375 kematian)

1	*Ischaemic heart diseases*	**16.0%**
2	*Pneumonia*	**13.5%**
3	*Cerebrovascular diseases*	**6.7%**
4	*Transport accidents*	**3.6%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**2.3%**



Bumiputera Lain (53 kematian)

1	*Ischaemic heart diseases*	**15.1%**
2	*Cerebrovascular diseases*	**9.4%**
3	*Pneumonia*	**9.4%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**7.5%**
5	*Transport accidents*	**7.5%**



Cina (2,953 kematian)

1	*Pneumonia*	**15.8%**
2	*Ischaemic heart diseases*	**14.1%**
3	*Cerebrovascular diseases*	**7.7%**
4	*Malignant neoplasm of colon, rectum and anus*	**3.3%**
5	*Malignant neoplasm of trachea, bronchus and lung*	**3.0%**



India (1,023 kematian)

1	*Ischaemic heart diseases*	**23.0%**
2	*Pneumonia*	**14.8%**
3	*Cerebrovascular diseases*	**5.4%**
4	*Diabetes mellitus*	**2.6%**
5	*Transport accidents*	**2.3%**

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, W.P. KUALA LUMPUR, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	31.5%
Congenital malformations, deformations and chromosomal abnormalities	5.6%
Edward's syndrome and Patau's syndrome	5.6%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	25.7%
Bacterial sepsis of newborn	11.4%
Cardiovascular disorders originating in the perinatal period	5.7%

BAYI (<1 TAHUN)

Congenital malformations, deformations and chromosomal abnormalities	40.2%
Certain conditions originating in the perinatal period	39.3%
Meningitis	1.9%

KANAK-KANAK 1-4 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	13.8%
Meningococcal infection	3.4%
Malignant neoplasm of meninges, brain and other parts of central nervous system	3.4%

KURANG DARIPADA 5 TAHUN

Congenital malformations, deformations and chromosomal abnormalities	34.6%
Certain conditions originating in the perinatal period	30.9%
Meningitis	1.5%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, W.P. KUALA LUMPUR, 2023



0-14 TAHUN
(174 kematian)

Malignant neoplasm of meninges, brain and other parts of central nervous system	3.4%
Transport accidents	2.3%
Intentional self-harm	2.3%



15-40 TAHUN
(566 kematian)

Transport accidents	17.1%
Ischaemic heart diseases	11.5%
Intentional self-harm	9.7%



41-59 TAHUN
(1,419 kematian)

Ischaemic heart diseases	20.9%
Pneumonia	9.0%
Cerebrovascular diseases	7.8%



60 TAHUN DAN LEBIH
(4,604 kematian)

Pneumonia	18.0%
Ischaemic heart diseases	16.0%
Cerebrovascular diseases	7.5%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, W.P. KUALA LUMPUR, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Malignant neoplasm of trachea, bronchus and lung*	*Malignant neoplasm of colon, rectum and anus*
Jumlah	**1,099**	**989**	**472**	**165**	**158**
0	-	-	-	-	-
1-4	-	1 (0.1%)	-	-	-
5-9	-	2 (0.2%)	-	-	-
10-14	-	-	1 (0.2%)	-	-
15-19	-	3 (0.3%)	-	-	-
20-24	6 (0.5%)	5 (0.5%)	-	-	-
25-29	4 (0.4%)	1 (0.1%)	-	2 (1.2%)	1 (0.6%)
30-34	10 (0.9%)	12 (1.2%)	5 (1.1%)	1 (0.6%)	3 (1.9%)
35-39	36 (3.3%)	8 (0.8%)	6 (1.3%)	1 (0.6%)	3 (1.9%)
40-44	46 (4.2%)	12 (1.2%)	15 (3.2%)	3 (1.8%)	7 (4.4%)
45-49	62 (5.6%)	37 (3.7%)	32 (6.8%)	9 (5.5%)	6 (3.8%)
50-54	81 (7.4%)	27 (2.7%)	22 (4.7%)	9 (5.5%)	12 (7.6%)
55-59	116 (10.6%)	54 (5.5%)	45 (9.5%)	11 (6.7%)	18 (11.4%)
60-64	131 (11.9%)	79 (8.0%)	55 (11.7%)	25 (15.2%)	18 (11.4%)
65-69	163 (14.8%)	104 (10.5%)	50 (10.6%)	28 (17.0%)	17 (10.8%)
70-74	134 (12.2%)	138 (14.0%)	57 (12.1%)	30 (18.2%)	29 (18.4%)
75-79	100 (9.1%)	141 (14.3%)	58 (12.3%)	28 (17.0%)	18 (11.4%)
80-84	106 (9.6%)	171 (17.3%)	60 (12.7%)	9 (5.5%)	12 (7.6%)
85 dan lebih	104 (9.5%)	194 (19.6%)	66 (14.0%)	9 (5.5%)	14 (8.9%)

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, W.P LABUAN, 2023

W.P. LABUAN

194 (58.3%) kematian

333 kematian

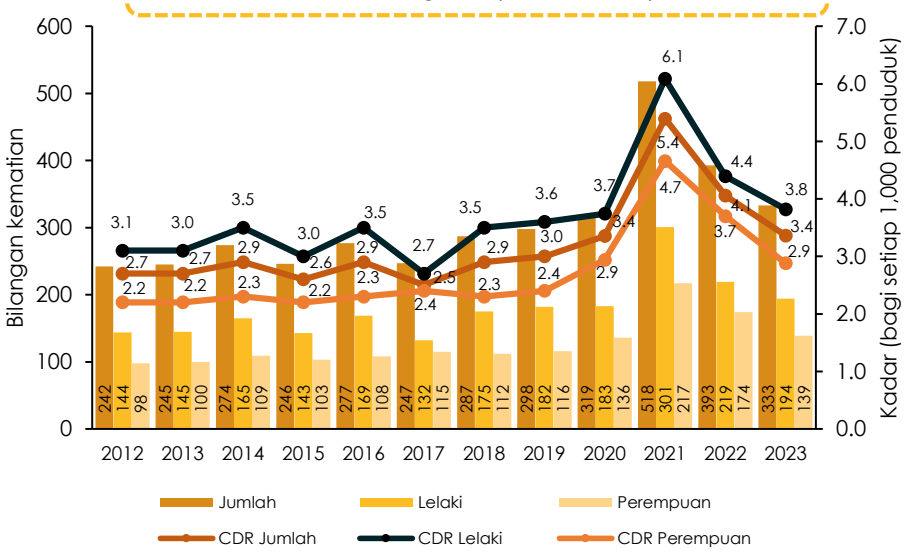
139 (41.7%) kematian

PURATA

1 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), W.P. LABUAN, 2014-2023

Kematian pada 2023 menurun **15.3 peratus** (60 kematian) berbanding 2022 (393 kematian)



SEBAB KEMATIAN UTAMA[1]

Pneumonia merupakan sebab kematian utama di **W.P. Labuan** tahun 2023

13.6%

Pneumonia

15.3%

Cerebrovascular diseases

13.4%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10, W.P. LABUAN, 2023

1 ***Diseases of the circulatory system***

27.2%
38.1%

2 ***Diseases of the respiratory system***

18.4%
17.8%

3 ***Neoplasms***

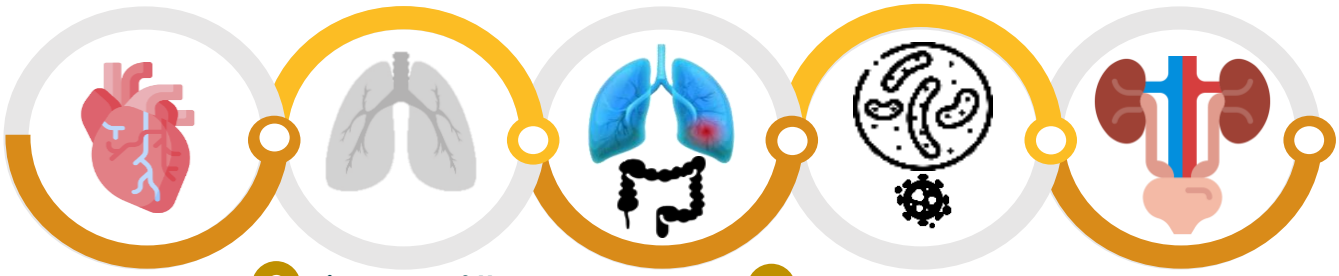
15.0%
12.6%

4 ***Certain infectious and parasitic diseases***

10.2%
3.8%

5 ***Diseases of the digestive system***

5.3%
4.9%



Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, W.P. LABUAN, 2023



Melayu (84 kematian)

1	*Pneumonia*	**10.7%**
2	*Ischaemic heart diseases*	**9.5%**
3	*Malignant neoplasm of colon, rectum and anus*	**6.0%**
4	*Cerebrovascular diseases*	**6.0%**
5	*Transport accidents*	**4.8%**



Bumiputera Lain (55 kematian)

1	*Cerebrovascular diseases*	**14.5%**
2	*Ischaemic heart diseases*	**12.7%**
3	*Pneumonia*	**9.1%**
4	*Diarrhoea and gastroenteritis of presumed infectious origin*	**3.6%**
5	*Respiratory tuberculosis*	**3.6%**



Cina (49 kematian)

1	*Pneumonia*	**18.4%**
2	*Ischaemic heart diseases*	**10.2%**
3	*Cerebrovascular diseases*	**8.2%**
4	*Malignant neoplasm of trachea, bronchus and lung*	**4.1%**
5	*Diseases of the liver*	**4.1%**



India (1 kematian)

1	*Pneumonia*	**100.0%**

Nota : Tiada sebab kematian ke-2 hingga ke-5 direkodkan bagi etnik India.

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, W.P. LABUAN, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	42.9%
Congenital malformations of cardiac chambers and connections	14.3%
Interstitial emphysema and related conditions	14.3%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	37.5%
Congenital malformations of cardiac chambers and connections	12.5%
Interstitial emphysema and related conditions	12.5%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	77.8%
Whooping cough	11.1%
Congenital malformations, deformations and chromosomal abnormalities	11.1%

KANAK-KANAK 1-4 TAHUN

Diarrhoea and gastroenteritis of presumed infectious origin	33.3%
Malignant neoplasm of meninges, brain and other parts of central nervous system	33.3%
Pneumonia	33.3%

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	58.3%
Diarrhoea and gastroenteritis of presumed infectious origin	8.3%
Whooping cough	8.3%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, W.P. LABUAN, 2023



0-14 TAHUN
(14 kematian)

Diarrhoea and gastroenteritis of presumed infectious origin	7.1%
Whooping cough	7.1%
Malignant neoplasm of meninges, brain and other parts of central nervous system	7.1%



15-40 TAHUN
(23 kematian)

Pneumonia	8.7%
Transport accidents	8.7%
Malignant neoplasm of colon, rectum and anus	4.3%



41-59 TAHUN
(47 kematian)

Ischaemic heart diseases	17.0%
Cerebrovascular diseases	10.6%
Pneumonia	6.4%



60 TAHUN DAN LEBIH
(122 kematian)

Pneumonia	18.0%
Ischaemic heart diseases	9.8%
Cerebrovascular diseases	9.0%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, W.P. LABUAN, 2023

Kumpulan umur	*Pneumonia*	*Ischaemic heart diseases*	*Cerebrovascular diseases*	*Malignant neoplasm of colon, rectum and anus*	*Transport accidents*
Jumlah	**28**	**21**	**17**	**6**	**6**
0	-	-	-	-	-
1-4	1 (3.6%)	-	-	-	-
5-9	-	-	-	-	-
10-14	-	-	-	-	1 (16.7%)
15-19	-	-	-	-	1 (16.7%)
20-24	-	-	-	-	-
25-29	-	-	-	-	1 (16.7%)
30-34	-	1 (4.8%)	1 (5.9%)	-	-
35-39	1 (3.6%)	-	-	1 (16.7%)	-
40-44	2 (7.1%)	-	-	-	-
45-49	-	1 (4.8%)	1 (5.9%)	-	1 (16.7%)
50-54	-	3 (14.3%)	2 (11.8%)	-	-
55-59	2 (7.1%)	4 (19.0%)	2 (11.8%)	-	1 (16.7%)
60-64	5 (17.9%)	4 (19.0%)	1 (5.9%)	3 (50.0%)	-
65-69	2 (7.1%)	3 (14.3%)	2 (11.8%)	1 (16.7%)	1 (16.7%)
70-74	2 (7.1%)	2 (9.5%)	2 (11.8%)	-	-
75-79	6 (21.4%)	2 (9.5%)	3 (17.6%)	1 (16.7%)	-
80-84	4 (14.3%)	1 (4.8%)	1 (5.9%)	-	-
85 dan lebih	3 (10.7%)	-	2 (11.8%)	-	-

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

BILANGAN KEMATIAN, W.P PUTRAJAYA, 2023

W.P. PUTRAJAYA

165 (58.1%) kematian

284 kematian

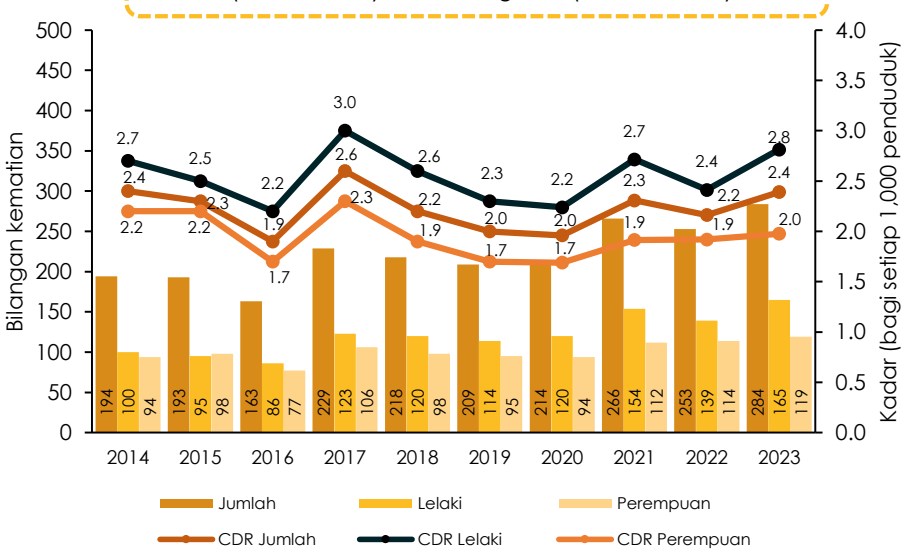
119 (41.9%) kematian

PURATA

1 kematian setiap hari

SIRI MASA KEMATIAN DAN KADAR KEMATIAN KASAR (CDR), W.P. PUTRAJAYA, 2014-2023

Kematian pada 2023 peningkatan **12.3 peratus** (31 kematian) berbanding 2022 (253 kematian)



SEBAB KEMATIAN UTAMA[1]

Ischaemic heart diseases merupakan sebab kematian utama di **W.P. Putrajaya** tahun 2023

16.0%

Ischaemic heart diseases **21.1%**

Pneumonia **12.7%**

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium merupakan sebab kematian utama bagi ibu bersalin

33.3%

LIMA SEBAB KEMATIAN UTAMA[1] MENGIKUT BAB ICD-10 , W.P. PUTRAJAYA, 2023

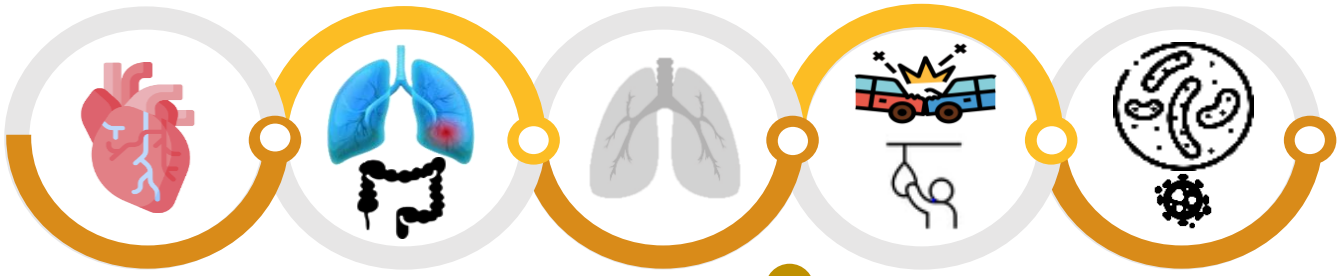
1 ***Diseases of the circulatory system***
29.4%
28.3%

2 ***Neoplasms***
22.1%
16.1%

3 ***Diseases of the respiratory system***
11.8%
14.8%

4 ***External causes of morbidity and mortality***
9.2%
5.7%

5 ***Certain infectious and parasitic diseases***
5.7%
7.4%



Nota
2023
2022

Nota: [1]Analisis berdasarkan sebab kematian yang disahkan secara perubatan

LIMA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK, W.P. PUTRAJAYA, 2023



Melayu (245 kematian)

1	*Ischaemic heart diseases*	**15.9%**
2	*Pneumonia*	**7.8%**
3	*Cerebrovascular diseases*	**6.9%**
4	*Malignant neoplasm of colon, rectum and anus*	**5.7%**
5	*Transport accidents*	**3.7%**



Bumiputera Lain (5 kematian)

1	*Transport accidents*	**60.0%**
2	*Ischaemic heart diseases*	**20.0%**
3	*Cerebrovascular diseases*	**20.0%**

Nota : Tiada sebab kematian ke-4 dan ke-5 direkodkan bagi etnik Bumiputera Lain.



Cina (7 kematian)

1	*Malignant neoplasm of trachea, bronchus and lung*	**14.3%**
2	*Alzheimer disease*	**14.3%**
3	*Ischaemic heart diseases*	**14.3%**

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 4 hingga 5 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.



India (5 kematian)

1	*Pneumonia*	**40.0%**
2	*Ischaemic heart diseases*	**20.0%**

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 3 hingga 5 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

PERANGKAAN SEBAB KEMATIAN, MALAYSIA, 2024

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KATEGORI, W.P. PUTRAJAYA, 2023

PERINATAL (<7 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	50.0%
Congenital malformations of the musculoskeletal system, not elsewhere classified	16.7%
Congenital malformations of aortic and mitral valves	8.3%

NEONATAL (<28 HARI)

Disorders related to short gestation and low birth weight, not elsewhere classified	37.5%
Congenital malformations of the musculoskeletal system, not elsewhere classified	12.5%
Congenital malformations of aortic and mitral valves	6.3%

BAYI (<1 TAHUN)

Certain conditions originating in the perinatal period	45.8%
Congenital malformations, deformations and chromosomal abnormalities	20.8%
Measles	4.2%

KANAK-KANAK 1-4 TAHUN

Nota: Tiada sebab kematian diklasifikasikan di kedudukan 1 hingga 3 kerana penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian yang tidak diketahui dan sebab kematian yang tidak spesifik.

KURANG DARIPADA 5 TAHUN

Certain conditions originating in the perinatal period	40.7%
Congenital malformations, deformations and chromosomal abnormalities	18.5%
Measles	3.7%

TIGA SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR, W.P. PUTRAJAYA, 2023



0-14 TAHUN
(32 kematian)

Measles	3.1%
Malignant neoplasm of meninges, brain and other parts of central nervous system	3.1%
Transport accidents	3.1%



15-40 TAHUN
(27 kematian)

Transport accidents	25.9%
Pneumonia	11.1%
Hypertensive diseases	7.4%



41-59 TAHUN
(68 kematian)

Ischaemic heart diseases	22.1%
Malignant neoplasm of colon, rectum and anus	11.8%
Cerebrovascular diseases	5.9%



60 TAHUN DAN LEBIH
(135 kematian)

Ischaemic heart diseases	20.0%
Pneumonia	11.1%
Cerebrovascular diseases	10.4%

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

SEBAB KEMATIAN TERPILIH YANG DISAHKAN SECARA PERUBATAN MENGIKUT KUMPULAN UMUR, W.P. PUTRAJAYA, 2023

Kumpulan umur	*Ischaemic heart diseases*	*Pneumonia*	*Cerebrovascular diseases*	*Malignant neoplasm of colon, rectum and anus*	*Transport accidents*
Jumlah	**42**	**21**	**18**	**14**	**12**
0	-	-	-	-	-
1-4	-	-	-	-	-
5-9	-	-	-	-	1 (8.3%)
10-14	-	-	-	-	-
15-19	-	-	-	-	2 (16.7%)
20-24	-	-	-	-	3 (25.0%)
25-29	-	1 (4.8%)	-	-	1 (8.3%)
30-34	-	1 (4.8%)	-	-	-
35-39	-	-	-	-	1 (8.3%)
40-44	2 (4.8%)	1 (4.8%)	3 (16.7%)	1 (7.1%)	1 (8.3%)
45-49	5 (11.9%)	2 (9.5%)	1 (5.6%)	1 (7.1%)	2 (16.7%)
50-54	2 (4.8%)	1 (4.8%)	-	4 (28.6%)	1 (8.3%)
55-59	6 (14.3%)	-	-	2 (14.3%)	-
60-64	4 (9.5%)	1 (4.8%)	5 (27.8%)	4 (28.6%)	-
65-69	8 (19.0%)	7 (33.3%)	2 (11.1%)	-	-
70-74	4 (9.5%)	1 (4.8%)	2 (11.1%)	1 (7.1%)	-
75-79	6 (14.3%)	4 (19.0%)	2 (11.1%)	1 (7.1%)	-
80-84	2 (4.8%)	1 (4.8%)	2 (11.1%)	-	-
85 dan lebih	3 (7.1%)	1 (4.8%)	1 (5.6%)	-	-

Nota: Analisis berdasarkan sebab kematian yang disahkan secara perubatan

CAUSES OF DEATHS BY STATE AT A GLANCE

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, MALAYSIA, 2023

MALAYSIA

112,293 (57.0%) deaths

196,965 deaths

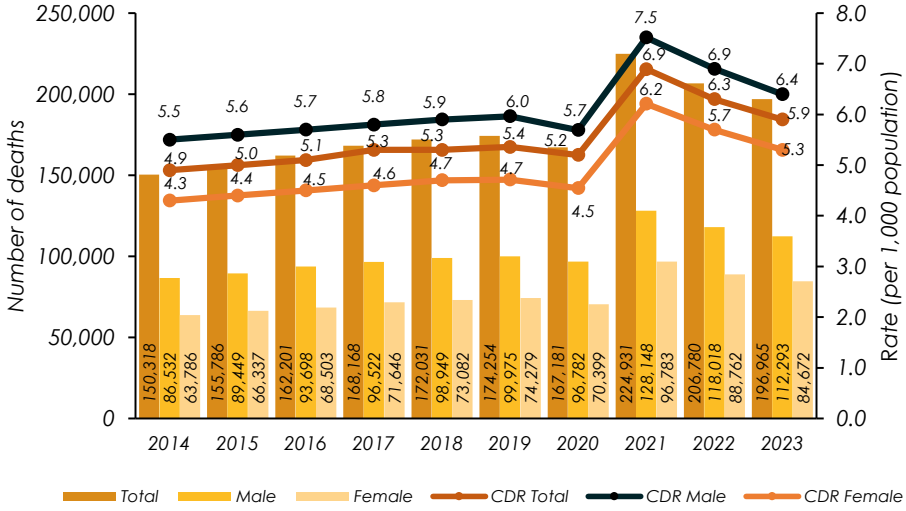
84,672 (43.0%) deaths

AVERAGE

- ***1*** *death per* ***3*** *minutes*
- ***22*** *deaths per hour*
- ***540*** *deaths per day*

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), MALAYSIA, 2014-2023

*The number of deaths in 2023 decreased **4.7 per cent** (9,815 deaths) as compared to 2022 (206,780 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Pneumonia *was the principal causes of death in* ***Malaysia*** *in 2023*

15.2%

Ischaemic heart diseases

17.6%

Pneumonia

16.4%

Ectopic pregnancy *was the principal causes of death for maternal*

15.4%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10 MALAYSIA, 2023

1 Diseases of the circulatory system

29.4%
30.4%

2 Diseases of the respiratory system

20.6%
18.5%

3 Neoplasms

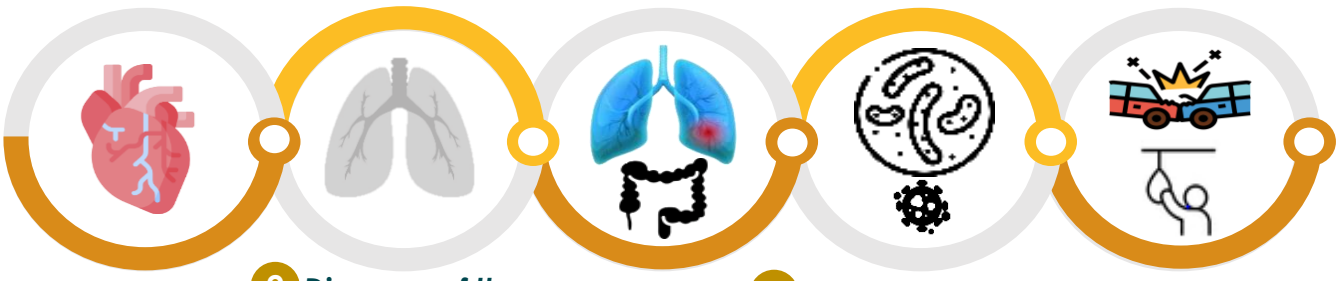
13.8%
12.6%

4 Certain infectious and parasitic diseases

7.7%
7.4%

5 External causes of morbidity and mortality

7.4%
6.8%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, MALAYSIA, 2023



Malay (64,914 deaths)

1	Ischaemic heart diseases	16.0%
2	Pneumonia	15.3%
3	Cerebrovascular diseases	7.9%
4	Transport accidents	4.2%
5	Diabetes mellitus	2.0%



Other Bumiputera (10,306 deaths)

1	Pneumonia	12.2%
2	Ischaemic heart diseases	8.0%
3	Cerebrovascular diseases	6.9%
4	Chronic lower respiratory diseases	3.1%
5	Transport accidents	2.9%



Chinese (29,733 deaths)

1	Pneumonia	16.4%
2	Ischaemic heart diseases	14.0%
3	Cerebrovascular diseases	6.7%
4	Malignant neoplasm of trachea, bronchus and lung	3.0%
5	Malignant neoplasm of colon, rectum and anus	2.9%



Indians (11,439 deaths)

1	Ischaemic heart diseases	20.6%
2	Pneumonia	14.3%
3	Cerebrovascular diseases	5.4%
4	Transport accidents	4.7%
5	Diseases of the liver	2.7%

Note: The analysis is based on medically certified deaths

AT A GLANCE STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

FIVE PRINCIPAL CAUSES OF DEATH BY CATEGORY, MALAYSIA, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	24.7%
Edward's syndrome and Patau's syndrome	7.1%
Cardiovascular disorders originating in the perinatal period	6.6%
Intracranial nontraumatic haemorrhage of fetus and newborn	3.8%
Bacterial sepsis of newborn	3.5%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	18.8%
Cardiovascular disorders originating in the perinatal period	6.8%
Bacterial sepsis of newborn	6.6%
Edward's syndrome and Patau's syndrome	6.3%
Intracranial nontraumatic haemorrhage of fetus and newborn	3.7%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	44.2%
Congenital malformations, deformations and chromosomal abnormalities	30.8%
Pneumonia	1.9%
Whooping cough	0.7%
Meningitis	0.6%

TODDLERS1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	12.5%
Transport accidents	6.6%
Pneumonia	6.0%
Influenza	3.0%
Leukaemia	2.7%

UNDER-5

Certain conditions originating in the perinatal period	36.4%
Congenital malformations, deformations and chromosomal	27.5%
Pneumonia	2.6%
Transport accidents	1.5%
Meningitis	0.7%

FIVE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, MALAYSIA, 2023



0-14 YEARS
(4,356 deaths)

Transport accidents	3.7%
Pneumonia	3.2%
Leukaemia	1.5%
Malignant neoplasm of meninges, brain and other parts of central nervous system	1.1%
Cerebrovascular diseases	0.8%



15-40 YEARS
(12,099 deaths)

Transport accidents	20.1%
Ischaemic heart diseases	8.3%
Pneumonia	7.2%
Intentional self-harm	5.0%
Cerebrovascular diseases	3.6%



41-59 YEARS
(28,601 deaths)

Ischaemic heart diseases	19.8%
Pneumonia	9.8%
Cerebrovascular diseases	7.6%
Transport accidents	3.2%
Malignant neoplasm of breast	2.7%



60 YEARS AND OVER
(74,596 deaths)

Pneumonia	19.3%
Ischaemic heart diseases	15.3%
Cerebrovascular diseases	8.1%
Chronic lower respiratory diseases	2.4%
Malignant neoplasm of trachea, bronchus and lung	2.2%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, MALAYSIA, 2023

Age group	Pneumonia	Ischaemic heart diseases	Cerebrovascular diseases	Transport accidents	Malignant neoplasm of trachea, bronchus and lung
Total	**18,181**	**18,121**	**8,657**	**4,244**	**2,373**
0	54 (0.3%)	-	-	12 (0.3%)	-
1-4	36 (0.2%)	-	-	40 (0.9%)	-
5-9	21 (0.1%)	-	-	20 (0.5%)	-
10-14	28 (0.2%)	-	7 (0.1%)	90 (2.1%)	-
15-19	54 (0.3%)	4 (0.0%)	16 (0.2%)	616 (14.5%)	-
20-24	89 (0.5%)	34 (0.2%)	22 (0.3%)	642 (15.1%)	2 (0.1%)
25-29	133 (0.7%)	93 (0.5%)	44 (0.5%)	432 (10.2%)	12 (0.5%)
30-34	202 (1.1%)	236 (1.3%)	88 (1.0%)	364 (8.6%)	12 (0.5%)
35-39	308 (1.7%)	476 (2.6%)	211 (2.4%)	334 (7.9%)	31 (1.3%)
40-44	401 (2.2%)	877 (4.8%)	321 (3.7%)	272 (6.4%)	66 (2.8%)
45-49	574 (3.2%)	1,253 (6.9%)	495 (5.7%)	253 (6.0%)	115 (4.8%)
50-54	747 (4.1%)	1,599 (8.8%)	598 (6.9%)	223 (5.3%)	194 (8.2%)
55-59	1,157 (6.4%)	2,100 (11.6%)	813 (9.4%)	215 (5.1%)	285 (12.0%)
60-64	1,640 (9.0%)	2,259 (12.5%)	970 (11.2%)	206 (4.9%)	370 (15.6%)
65-69	2,268 (12.5%)	2,431 (13.4%)	1,076 (12.4%)	173 (4.1%)	421 (17.7%)
70-74	2,637 (14.5%)	2,223 (12.3%)	1,133 (13.1%)	179 (4.2%)	360 (15.2%)
75-79	2,668 (14.7%)	1,770 (9.8%)	1,052 (12.2%)	99 (2.3%)	268 (11.3%)
80-84	2,392 (13.2%)	1,414 (7.8%)	884 (10.2%)	48 (1.1%)	155 (6.5%)
85 and over	2,772 (15.2%)	1,352 (7.5%)	927 (10.7%)	26 (0.6%)	82 (3.5%)

Note: The analysis is based on medically certified deaths

NUMBER OF DEATHS, JOHOR, 2023



JOHOR

14,200 (57.5%) deaths

24,705 deaths

10,505 (42.5%) deaths

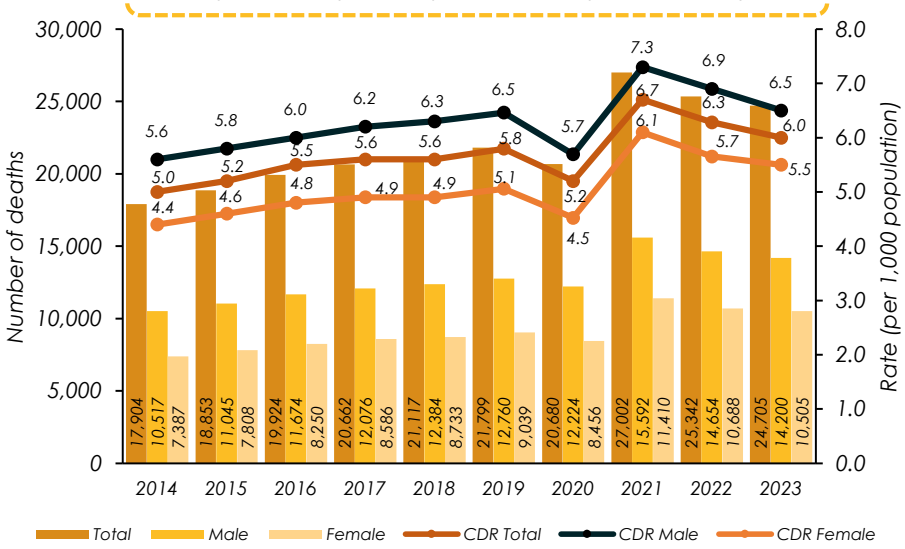
AVERAGE

3 *deaths per hour*

68 *deaths per day*

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), JOHOR, 2014-2023

*The number of deaths in 2023 decreased **2.5 per cent** (637 deaths) as compared to 2022 (25,342 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases *was the principal causes of death in* ***Johor*** *in 2023*

16.6%

Ischaemic heart diseases

19.1%

Pneumonia

17.1%

Ectopic pregnancy *was the principal causes of death for maternal*

25.0%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10 JOHOR, 2023

1 Diseases of the circulatory system

31.2%
31.8%

2 Diseases of the respiratory system

21.2%
18.7%

3 Neoplasms

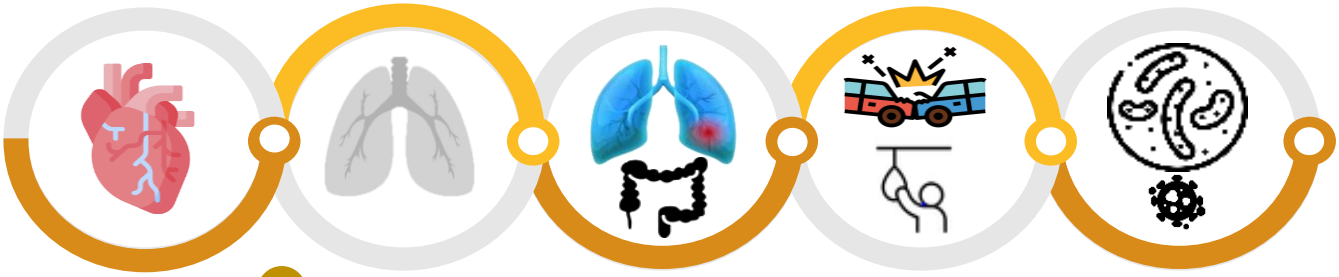
12.8%
12.3%

4 External causes of morbidity and mortality

8.3%
6.8%

5 Certain infectious and parasitic diseases

7.5%
7.6%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, JOHOR, 2023



Malay (8,728 deaths)

1	Ischaemic heart diseases	16.4%
2	Pneumonia	15.7%
3	Cerebrovascular diseases	7.1%
4	Transport accidents	4.5%
5	Hypertensive diseases	1.9%



Other Bumiputera (157 deaths)

1	Ischaemic heart diseases	20.4%
2	Pneumonia	10.2%
3	Cerebrovascular diseases	5.7%
4	Transport accidents	4.5%
5	Malignant neoplasm of liver and intrahepatic bile ducts	2.5%



Chinese (4,627 deaths)

1	Pneumonia	17.6%
2	Ischaemic heart diseases	15.5%
3	Cerebrovascular diseases	6.7%
4	Malignant neoplasm of colon, rectum and anus	2.9%
5	Malignant neoplasm of trachea, bronchus and lung	2.5%



Indians (1,379 deaths)

1	Ischaemic heart diseases	22.3%
2	Pneumonia	13.4%
3	Transport accidents	6.0%
4	Cerebrovascular diseases	5.6%
5	Intentional self-harm	2.2%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, JOHOR, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	21.9%
Cardiovascular disorders originating in the perinatal period	7.5%
Bacterial sepsis of newborn	6.2%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.5%
Bacterial sepsis of newborn	11.0%
Cardiovascular disorders originating in the perinatal period	7.0%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	43.2%
Congenital malformations, deformations and chromosomal abnormalities	30.1%
Pneumonia	3.1%

TODDLERS 1-4 YEARS

Transport accidents	11.9%
Congenital malformations, deformations and chromosomal abnormalities	10.2%
Leukaemia	6.8%

UNDER-5

Certain conditions originating in the perinatal period	36.5%
Congenital malformations, deformations and chromosomal abnormalities	27.0%
Pneumonia	3.7%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, JOHOR, 2023



0-14 YEARS
(504 deaths)

Pneumonia	4.8%
Transport accidents	4.4%
Malignant neoplasm of meninges, brain and other parts of central nervous system	2.0%



15-40 YEARS
(1,598 deaths)

Transport accidents	22.1%
Ischaemic heart diseases	8.7%
Pneumonia	7.3%



41-59 YEARS
(3,855 deaths)

Ischaemic heart diseases	21.0%
Pneumonia	10.2%
Cerebrovascular diseases	8.2%



60 YEARS AND OVER
(9,400 deaths)

Pneumonia	20.4%
Ischaemic heart diseases	17.1%
Cerebrovascular diseases	7.5%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, JOHOR, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Malignant neoplasm of colon, rectum and anus
Total	**2,553**	**2,451**	**1,069**	**612**	**274**
0	-	10 (0.4%)	-	-	-
1-4	-	4 (0.2%)	-	7 (1.1%)	-
5-9	-	4 (0.2%)	-	1 (0.2%)	-
10-14	-	6 (0.2%)	-	14 (2.3%)	-
15-19	-	8 (0.3%)	2 (0.2%)	89 (14.5%)	-
20-24	5 (0.2%)	14 (0.6%)	-	104 (17.0%)	2 (0.7%)
25-29	13 (0.5%)	22 (0.9%)	5 (0.5%)	62 (10.1%)	3 (1.1%)
30-34	33 (1.3%)	26 (1.1%)	11 (1.0%)	53 (8.7%)	5 (1.8%)
35-39	65 (2.5%)	37 (1.5%)	25 (2.3%)	37 (6.0%)	5 (1.8%)
40-44	122 (4.8%)	58 (2.4%)	41 (3.8%)	39 (6.4%)	10 (3.6%)
45-49	169 (6.6%)	64 (2.6%)	83 (7.8%)	38 (6.2%)	10 (3.6%)
50-54	235 (9.2%)	100 (4.1%)	85 (8.0%)	43 (7.0%)	23 (8.4%)
55-59	307 (12.0%)	179 (7.3%)	114 (10.7%)	21 (3.4%)	26 (9.5%)
60-64	336 (13.2%)	233 (9.5%)	116 (10.9%)	29 (4.7%)	45 (16.4%)
65-69	341 (13.4%)	330 (13.5%)	131 (12.3%)	25 (4.1%)	41 (15.0%)
70-74	315 (12.3%)	347 (14.2%)	135 (12.6%)	25 (4.1%)	46 (16.8%)
75-79	226 (8.9%)	347 (14.2%)	122 (11.4%)	14 (2.3%)	35 (12.8%)
80-84	189 (7.4%)	320 (13.1%)	96 (9.0%)	6 (1.0%)	16 (5.8%)
85 and over	197 (7.7%)	342 (14.0%)	103 (9.6%)	5 (0.8%)	7 (2.6%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, JOHOR

Mersing

Pneumonia	57(14.8%)
Pneumonia	60 (13.4%)

Segamat

Ischaemic heart diseases	173 (17.7%)
Ischaemic heart diseases	187 (17.0%)

Tangkak

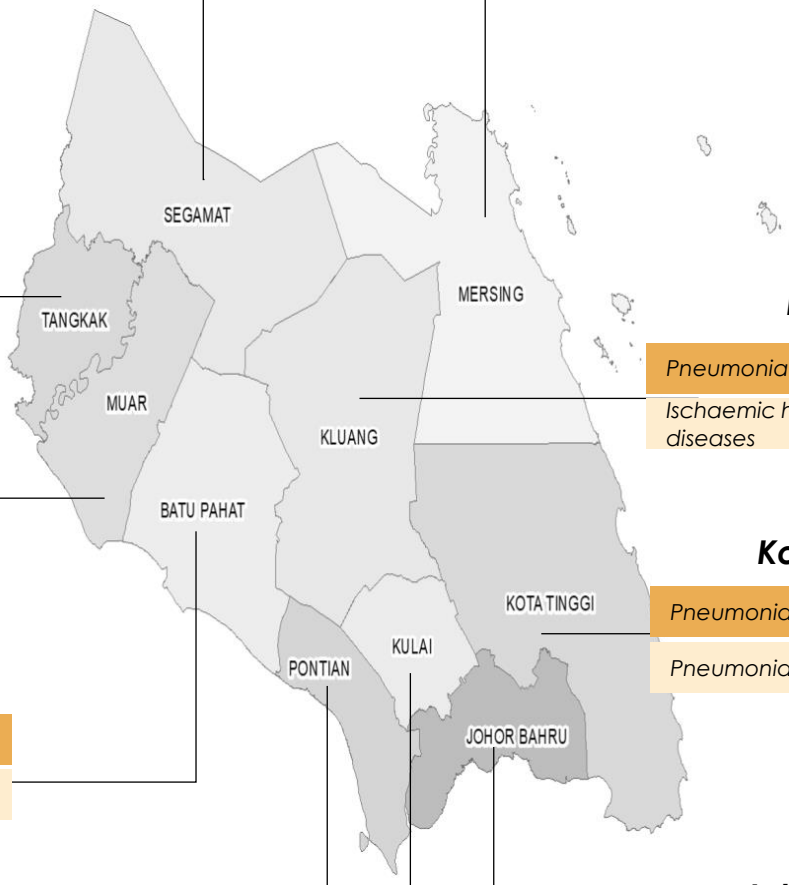
Ischaemic heart diseases	177 (23.4%)
Ischaemic heart diseases	130 (17.5%)

Muar

Ischaemic heart diseases	230 (19.9%)
Ischaemic heart diseases	300 (22.1%)

Batu Pahat

Ischaemic heart diseases	375 (17.8%)
Ischaemic heart diseases	699 (25.6%)



Kluang

Pneumonia	258 (16.5%)
Ischaemic heart diseases	289 (18.6%)

Kota Tinggi

Pneumonia	203 (16.9%)
Pneumonia	242 (16.7%)

Johor Bahru

Pneumonia	787 (15.2%)
Ischaemic heart diseases	781 (15.0%)

Pontian

Pneumonia	166 (16.9%)
Ischaemic heart diseases	170 (16.1%)

Kulai

Ischaemic heart diseases	193 (18.1%)
Ischaemic heart diseases	198 (18.4%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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NUMBER OF DEATHS, KEDAH, 2023



KEDAH



9,301 (55.9%) deaths



16,643 deaths



7,342 (44.1%) deaths

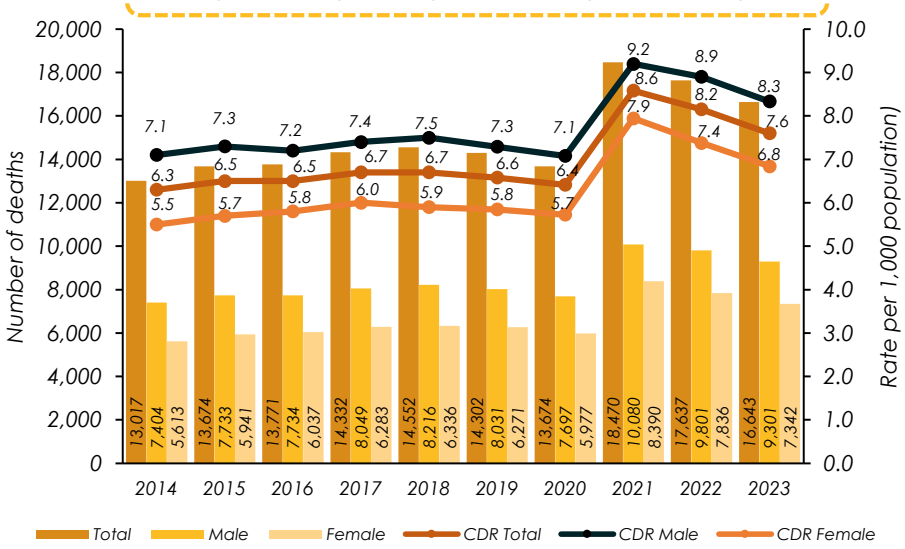
AVERAGE

2 deaths per hour

46 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), KEDAH, 2014-2023

*The number of deaths in 2023 decreased **5.6 per cent** (994 deaths) as compared to 2022 (17,637 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]



Ischaemic heart diseases was the principal causes of death in **Kedah** in 2023

18.9%



Ischaemic heart diseases

21.5%



Pneumonia

19.9%



Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium was the principal causes of death for maternal

30.8%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, KEDAH, 2023

1 Diseases of the circulatory system

34.8%
32.0%

2 Diseases of the respiratory system

23.8%
21.7%

3 Neoplasms

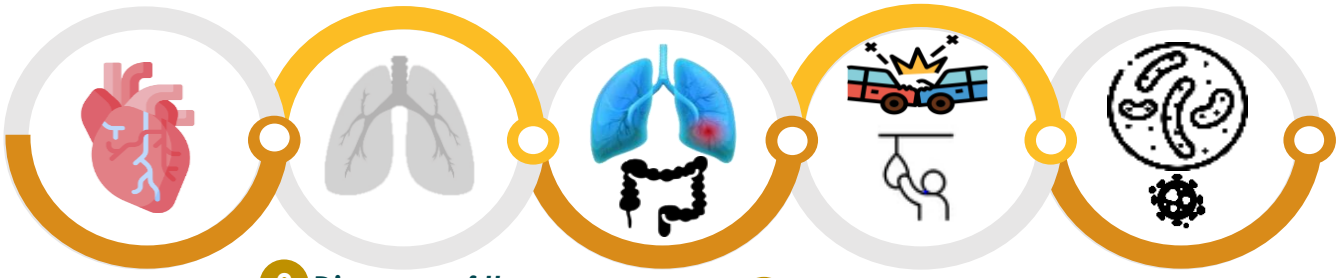
9.7%
8.7%

4 External causes of morbidity and mortality

6.4%
7.1%

5 Certain infectious and parasitic diseases

5.9%
6.2%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, KEDAH, 2023



Malay (9,319 deaths)

1	Ischaemic heart diseases	19.0%
2	Pneumonia	18.2%
3	Cerebrovascular diseases	9.3%
4	Transport accidents	4.0%
5	Diabetes mellitus	3.2%



Other Bumiputera (10 deaths)

1	Ischaemic heart diseases	20.0%
2	Pneumonia	20.0%
3	Malignant neoplasm of pancreas	10.0%

Note: No causes of death classified in ranking 4 to 5 because the compilation of the principal causes of death presented excluded unknown causes of death and unspecific causes of death.



Chinese (1,557 deaths)

1	Pneumonia	17.7%
2	Ischaemic heart diseases	17.2%
3	Cerebrovascular diseases	9.3%
4	Malignant neoplasm of trachea, bronchus and lung	2.6%
5	Transport accidents	2.6%



Indians (951 deaths)

1	Ischaemic heart diseases	20.0%
2	Pneumonia	15.2%
3	Cerebrovascular diseases	7.0%
4	Transport accidents	4.7%
5	Diabetes mellitus	3.7%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, KEDAH, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.9%
Cardiovascular disorders originating in the perinatal period	8.0%
Anencephaly and similar malformations	6.8%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.6%
Bacterial sepsis of newborn	8.4%
Cardiovascular disorders originating in the perinatal period	6.7%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	46.6%
Congenital malformations, deformations and chromosomal abnormalities	28.8%
Pneumonia	3.1%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	11.6%
Transport accidents	11.6%
Pneumonia	7.0%

UNDER-5

Certain conditions originating in the perinatal period	38.0%
Congenital malformations, deformations and chromosomal abnormalities	25.6%
Pneumonia	3.8%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, KEDAH, 2023



0-14 YEARS
(321 deaths)

Transport accidents	6.5%
Pneumonia	5.3%
Leukaemia	1.6%



15-40 YEARS
(1,111 deaths)

Transport accidents	22.1%
Pneumonia	10.8%
Ischaemic heart diseases	7.1%



41-59 YEARS
(2,692 deaths)

Ischaemic heart diseases	22.4%
Pneumonia	13.6%
Cerebrovascular diseases	8.7%



60 YEARS AND OVER
(7,912 deaths)

Pneumonia	20.9%
Ischaemic heart diseases	20.1%
Cerebrovascular diseases	10.2%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, KEDAH, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Diabetes mellitus
Total	**2,278**	**2,157**	**1,090**	**469**	**370**
0	-	6 (0.3%)	-	3 (0.6%)	-
1-4	-	3 (0.1%)	-	5 (1.1%)	-
5-9	-	3 (0.1%)	-	2 (0.4%)	-
10-14	-	5 (0.2%)	1 (0.1%)	11 (2.3%)	-
15-19	-	4 (0.2%)	2 (0.2%)	67 (14.3%)	-
20-24	3 (0.1%)	6 (0.3%)	2 (0.2%)	65 (13.9%)	-
25-29	11 (0.5%)	17 (0.8%)	9 (0.8%)	44 (9.4%)	1 (0.3%)
30-34	21 (0.9%)	32 (1.5%)	8 (0.7%)	30 (6.4%)	3 (0.8%)
35-39	34 (1.5%)	44 (2.0%)	18 (1.7%)	37 (7.9%)	3 (0.8%)
40-44	86 (3.8%)	56 (2.6%)	26 (2.4%)	25 (5.3%)	9 (2.4%)
45-49	143 (6.3%)	71 (3.3%)	57 (5.2%)	24 (5.1%)	11 (3.0%)
50-54	173 (7.6%)	106 (4.9%)	66 (6.1%)	21 (4.5%)	34 (9.2%)
55-59	212 (9.3%)	149 (6.9%)	94 (8.6%)	21 (4.5%)	39 (10.5%)
60-64	266 (11.7%)	216 (10.0%)	148 (13.6%)	38 (8.1%)	45 (12.2%)
65-69	275 (12.1%)	275 (12.7%)	143 (13.1%)	24 (5.1%)	56 (15.1%)
70-74	286 (12.6%)	298 (13.8%)	165 (15.1%)	27 (5.8%)	47 (12.7%)
75-79	263 (11.5%)	321 (14.9%)	133 (12.2%)	14 (3.0%)	54 (14.6%)
80-84	215 (9.4%)	233 (10.8%)	98 (9.0%)	8 (1.7%)	35 (9.5%)
85 and over	290 (12.7%)	312 (14.5%)	120 (11.0%)	3 (0.6%)	33 (8.9%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, KEDAH

Pokok Sena

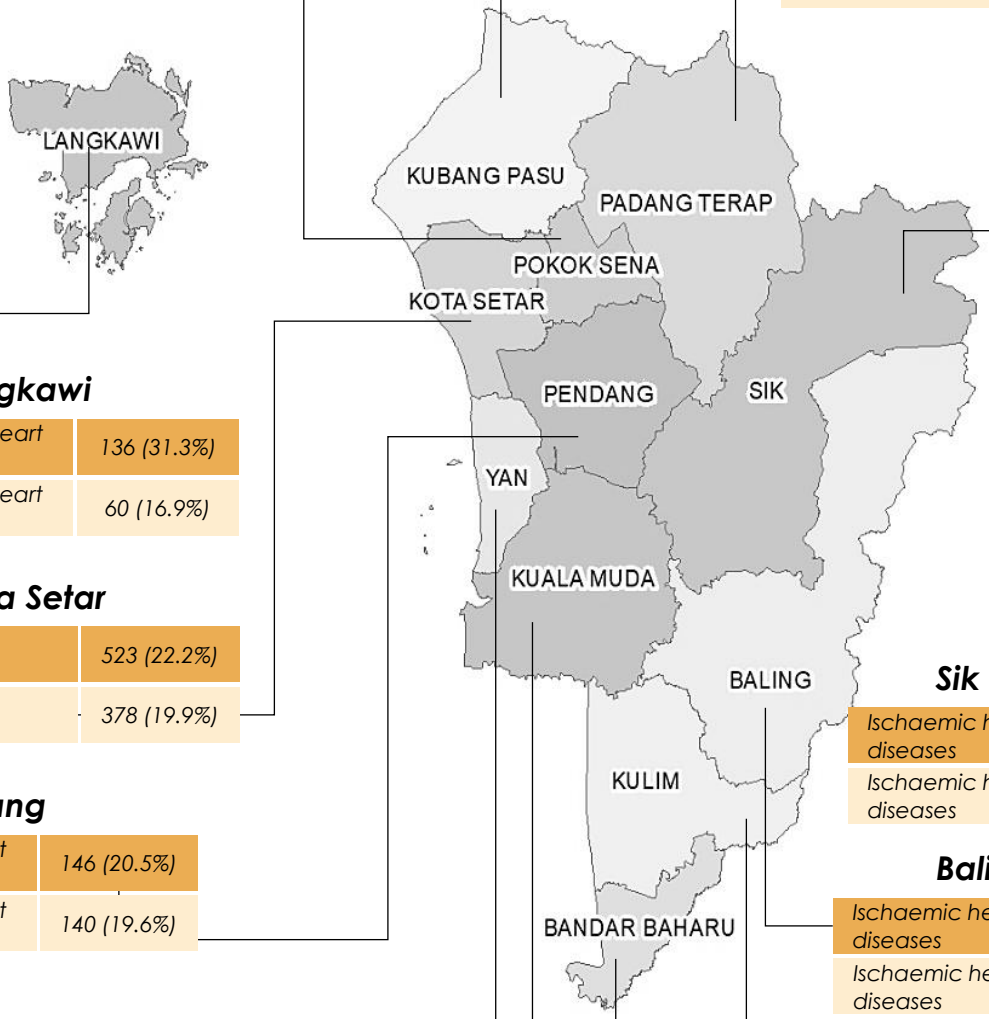
Pneumonia	68 (19.8%)
Pneumonia	59 (22.3%)

Kubang Pasu

Pneumonia	368 (26.3%)
Pneumonia	281 (22.2%)

Padang Terap

Ischaemic heart diseases	72 (18.9%)
Pneumonia	75 (21.4%)



Langkawi

Ischaemic heart diseases	136 (31.3%)
Ischaemic heart diseases	60 (16.9%)

Kota Setar

Pneumonia	523 (22.2%)
Pneumonia	378 (19.9%)

Sik

Ischaemic heart diseases	105 (23.0%)
Ischaemic heart diseases	98 (21.4%)

Pendang

Ischaemic heart diseases	146 (20.5%)
Ischaemic heart diseases	140 (19.6%)

Baling

Ischaemic heart diseases	202 (20.5%)
Ischaemic heart diseases	180 (17.4%)

Yan

Pneumonia	68 (18.6%)
Pneumonia	66 (21.7%)

Kulim

Ischaemic heart diseases	312 (20.7%)
Ischaemic heart diseases	266 (18.3%)

Kuala Muda

Ischaemic heart diseases	465 (16.8%)
Ischaemic heart diseases	528 (20.0%)

Bandar Baharu

Pneumonia	54 (16.9%)
Pneumonia	42 (14.3%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, KELANTAN, 2023

KELANTAN

6,514 (55.0%) deaths

11,839 deaths

5,325 (45.0%) deaths

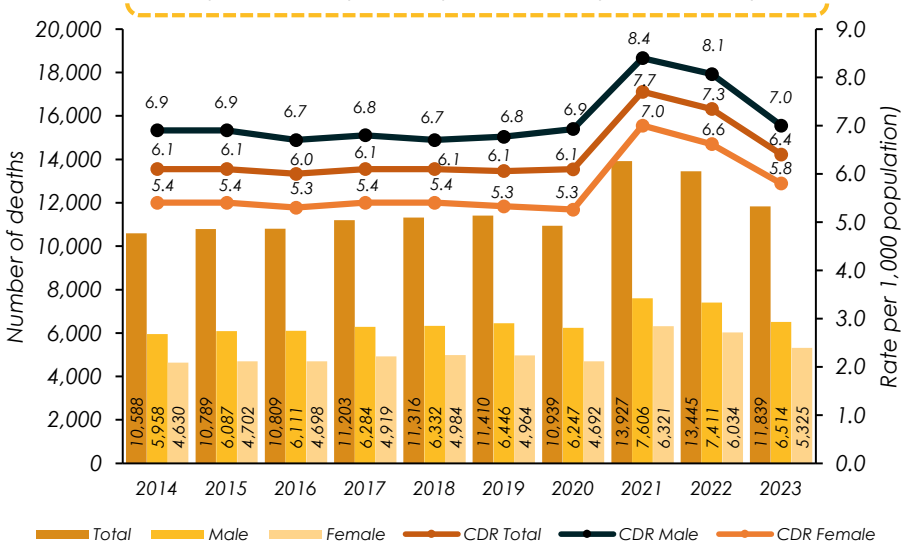
AVERAGE

1 deaths per hour

32 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), KELANTAN, 2014-2023

*The number of deaths in 2023 decreased **11.9 per cent** (1,606 deaths) as compared to 2022 (13,445 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases was the principal causes of death in **Kelantan** in 2023

18.5%

Ischaemic heart diseases

20.8%

Pneumonia

17.9%

Ectopic pregnancy was the principal causes of death for maternal

27.3%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10 , KELANTAN, 2023

1 Diseases of the circulatory system

32.9%
37.3%

2 Diseases of the respiratory system

20.7%
19.0%

3 Neoplasms

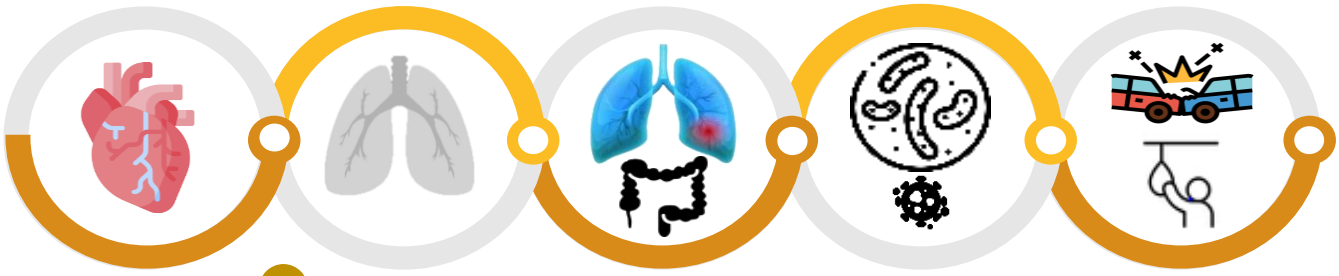
10.5%
8.3%

4 Certain infectious and parasitic diseases

10.3%
9.4%

5 External causes of morbidity and mortality

6.7%
5.6%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, KELANTAN, 2023



Malay (6,575 deaths)

1	Ischaemic heart diseases	18.7%
2	Pneumonia	16.5%
3	Cerebrovascular diseases	7.6%
4	Transport accidents	3.0%
5	Chronic lower respiratory diseases	1.8%



Other Bumiputera (56 deaths)

1	Pneumonia	12.5%
2	Ischaemic heart diseases	8.9%
3	Cerebrovascular diseases	7.1%
4	Hypertensive diseases	3.6%
5	Respiratory tuberculosis	1.8%



Chinese (255 deaths)

1	Pneumonia	19.6%
2	Ischaemic heart diseases	16.5%
3	Cerebrovascular diseases	8.2%
4	Malignant neoplasm of colon, rectum and anus	3.5%
5	Malignant neoplasm of trachea, bronchus and lung	1.6%



Indians (12 deaths)

1	Ischaemic heart diseases	25.0%
2	Pneumonia	25.0%
3	Cerebrovascular diseases	8.3%
4	Chronic lower respiratory diseases	8.3%

Note: No causes of death classified in ranking 5 because the compilation of the principal causes of death presented excluded unknown causes of death and unspesific causes of death.

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, KELANTAN, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	20.3%
Edward's syndrome and Patau's syndrome	10.6%
Fetus and newborn affected by complications of placenta, cord and membranes	5.7%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	14.7%
Edward's syndrome and Patau's syndrome	7.6%
Cardiovascular disorders originating in the perinatal period	5.9%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	46.3%
Congenital malformations, deformations and chromosomal abnormalities	28.7%
Whooping cough	2.5%

TODDLERS 1-4 YEARS

Pneumonia	11.5%
Congenital malformations, deformations and chromosomal abnormalities	9.6%
Leukaemia	3.8%

UNDER-5

Certain conditions originating in the perinatal period	38.2%
Congenital malformations, deformations and chromosomal abnormalities	25.3%
Pneumonia	2.7%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, KELANTAN, 2023



0-14 YEARS
(369 deaths)

Pneumonia	3.0%
Transport accidents	2.4%
Leukaemia	2.2%



15-40 YEARS
(810 deaths)

Transport accidents	16.4%
Pneumonia	9.8%
Ischaemic heart diseases	9.3%



41-59 YEARS
(1,641 deaths)

Ischaemic heart diseases	22.8%
Pneumonia	11.3%
Cerebrovascular diseases	8.5%



60 YEARS AND OVER
(4,199 deaths)

Pneumonia	21.1%
Ischaemic heart diseases	20.2%
Cerebrovascular diseases	8.7%

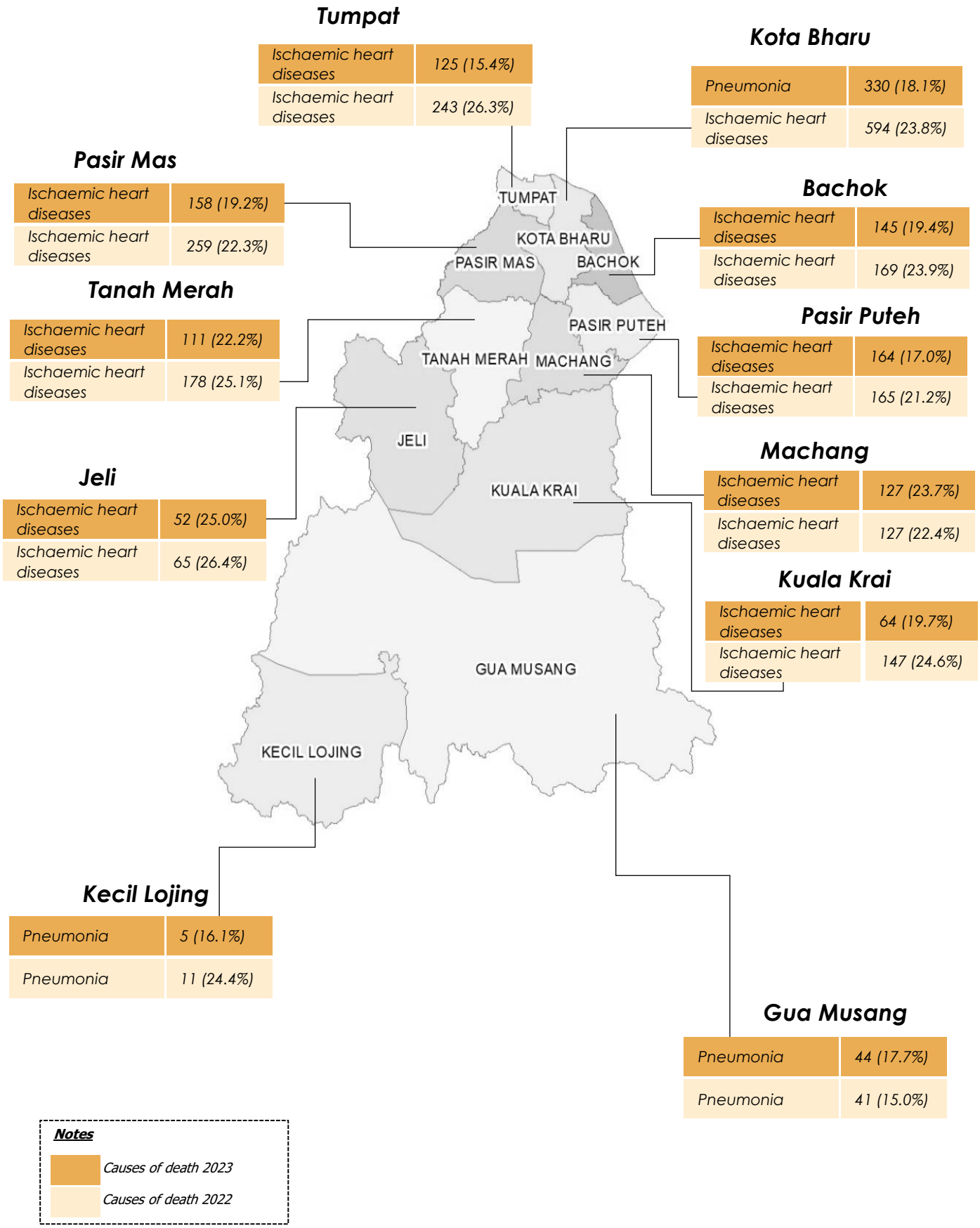
Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, KELANTAN, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Chronic lower respiratory diseases
Total	**1,299**	**1,160**	**536**	**206**	**123**
0	-	2 (0.2%)	-	2 (1.0%)	1 (0.8%)
1-4	-	6 (0.5%)	-	2 (1.0%)	-
5-9	-	1 (0.1%)	-	1 (0.5%)	-
10-14	-	2 (0.2%)	-	4 (1.9%)	-
15-19	-	4 (0.3%)	2 (0.4%)	42 (20.4%)	1 (0.8%)
20-24	4 (0.3%)	13 (1.1%)	3 (0.6%)	41 (19.9%)	-
25-29	6 (0.5%)	11 (0.9%)	3 (0.6%)	20 (9.7%)	1 (0.8%)
30-34	15 (1.2%)	18 (1.6%)	7 (1.3%)	15 (7.3%)	1 (0.8%)
35-39	36 (2.8%)	25 (2.2%)	13 (2.4%)	13 (6.3%)	-
40-44	59 (4.5%)	24 (2.1%)	21 (3.9%)	13 (6.3%)	2 (1.6%)
45-49	72 (5.5%)	40 (3.4%)	26 (4.9%)	7 (3.4%)	4 (3.3%)
50-54	106 (8.2%)	51 (4.4%)	45 (8.4%)	12 (5.8%)	4 (3.3%)
55-59	151 (11.6%)	79 (6.8%)	49 (9.1%)	7 (3.4%)	3 (2.4%)
60-64	161 (12.4%)	102 (8.8%)	43 (8.0%)	5 (2.4%)	12 (9.8%)
65-69	177 (13.6%)	145 (12.5%)	57 (10.6%)	8 (3.9%)	9 (7.3%)
70-74	207 (15.9%)	200 (17.2%)	68 (12.7%)	9 (4.4%)	24 (19.5%)
75-79	144 (11.1%)	191 (16.5%)	77 (14.4%)	3 (1.5%)	27 (22.0%)
80-84	84 (6.5%)	128 (11.0%)	66 (12.3%)	2 (1.0%)	21 (17.1%)
85 and over	77 (5.9%)	118 (10.2%)	56 (10.4%)	-	13 (10.6%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, KELANTAN



Tumpat

Ischaemic heart diseases	125 (15.4%)
Ischaemic heart diseases	243 (26.3%)

Kota Bharu

Pneumonia	330 (18.1%)
Ischaemic heart diseases	594 (23.8%)

Pasir Mas

Ischaemic heart diseases	158 (19.2%)
Ischaemic heart diseases	259 (22.3%)

Bachok

Ischaemic heart diseases	145 (19.4%)
Ischaemic heart diseases	169 (23.9%)

Tanah Merah

Ischaemic heart diseases	111 (22.2%)
Ischaemic heart diseases	178 (25.1%)

Pasir Puteh

Ischaemic heart diseases	164 (17.0%)
Ischaemic heart diseases	165 (21.2%)

Jeli

Ischaemic heart diseases	52 (25.0%)
Ischaemic heart diseases	65 (26.4%)

Machang

Ischaemic heart diseases	127 (23.7%)
Ischaemic heart diseases	127 (22.4%)

Kuala Krai

Ischaemic heart diseases	64 (19.7%)
Ischaemic heart diseases	147 (24.6%)

Kecil Lojing

Pneumonia	5 (16.1%)
Pneumonia	11 (24.4%)

Gua Musang

Pneumonia	44 (17.7%)
Pneumonia	41 (15.0%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, MELAKA, 2023



MELAKA



3,456 (55.8%) deaths



6,190 deaths



2,734 (44.2%) deaths

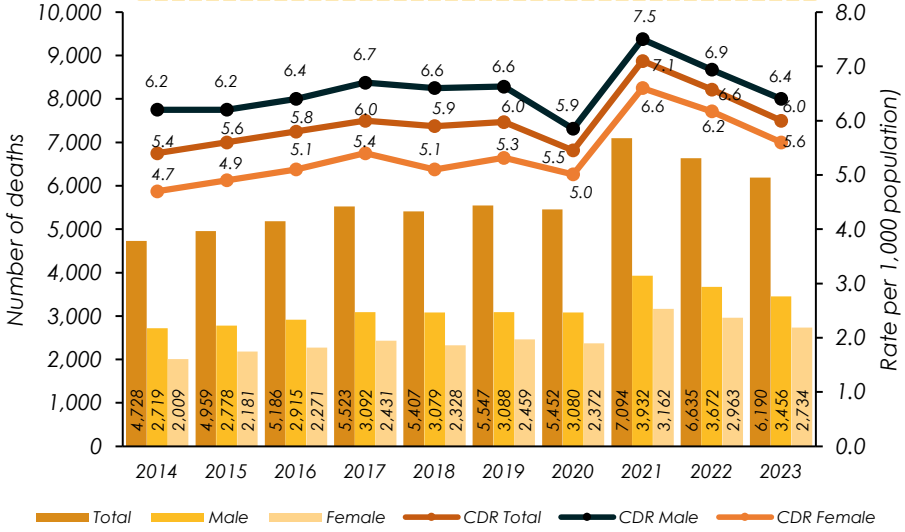
AVERAGE

1 deaths per hour

17 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), MELAKA, 2014-2023

*The number of deaths in 2023 decreased **6.7 per cent** (445 deaths) as compared to 2022 (6,635 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]



Ischaemic heart diseases was the principal causes of death in **Melaka** in 2023

17.7%



Ischaemic heart diseases

20.1%



Ischaemic heart diseases

14.1%



Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium

25.0% was the principal causes of death for maternal

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, MELAKA, 2023

1 Diseases of the circulatory system

30.3%
31.9%

2 Diseases of the respiratory system

17.2%
14.6%

3 Neoplasms

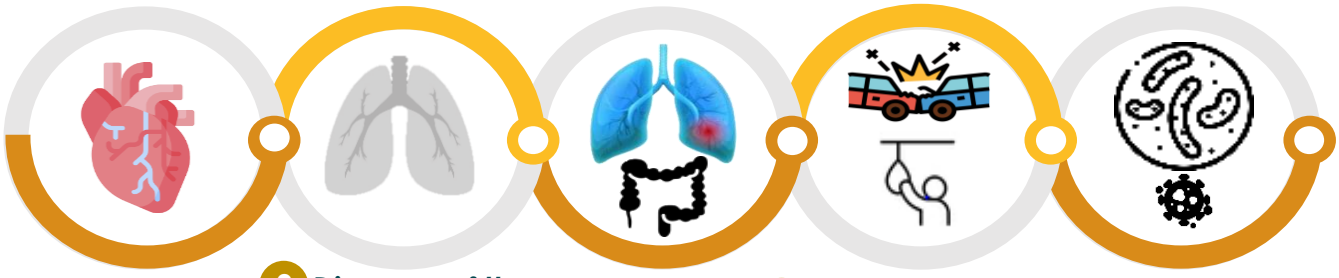
14.8%
12.8%

4 External causes of morbidity and mortality

7.8%
7.4%

5 Certain infectious and parasitic diseases

6.0%
6.1%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, MELAKA, 2023



Malay (2,221 deaths)

1	Ischaemic heart diseases	17.4%
2	Pneumonia	11.7%
3	Cerebrovascular diseases	7.1%
4	Transport accidents	4.8%
5	Chronic lower respiratory diseases	2.5%



Other Bumiputera (23 deaths)

1	Ischaemic heart diseases	13.0%
2	Pneumonia	13.0%
3	Transport accidents	8.7%
4	Malignant neoplasm of pancreas	4.3%
5	Malignant neoplasm of trachea, bronchus and lung	4.3%



Chinese (934 deaths)

1	Ischaemic heart diseases	17.8%
2	Pneumonia	12.1%
3	Cerebrovascular diseases	7.0%
4	Malignant neoplasm of trachea, bronchus and lung	3.3%
5	Transport accidents	2.2%



Indians (280 deaths)

1	Ischaemic heart diseases	20.4%
2	Pneumonia	9.3%
3	Transport accidents	5.0%
4	Cerebrovascular diseases	4.6%
5	Diseases of the liver	3.2%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, MELAKA, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.8%
Cardiovascular disorders originating in the perinatal period	14.3%
Edward's syndrome and Patau's syndrome	11.9%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	16.9%
Cardiovascular disorders originating in the perinatal period	13.6%
Edward's syndrome and Patau's syndrome	11.9%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	46.0%
Congenital malformations, deformations and chromosomal abnormalities	28.7%
Pneumonia	3.4%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	11.1%
Cerebrovascular diseases	5.6%
Influenza	5.6%

UNDER-5

Certain conditions originating in the perinatal period	38.1%
Congenital malformations, deformations and chromosomal abnormalities	25.7%
Pneumonia	3.8%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, MELAKA, 2023



0-14 YEARS
(125 deaths)

Pneumonia	4.0%
Transport accidents	3.2%
Leukaemia	1.6%



15-40 YEARS
(355 deaths)

Transport accidents	27.6%
Ischaemic heart diseases	7.0%
Intentional self-harm	5.1%



41-59 YEARS
(817 deaths)

Ischaemic heart diseases	22.9%
Cerebrovascular diseases	7.2%
Pneumonia	6.5%



60 YEARS AND OVER
(2,254 deaths)

Ischaemic heart diseases	18.5%
Pneumonia	14.9%
Cerebrovascular diseases	7.6%

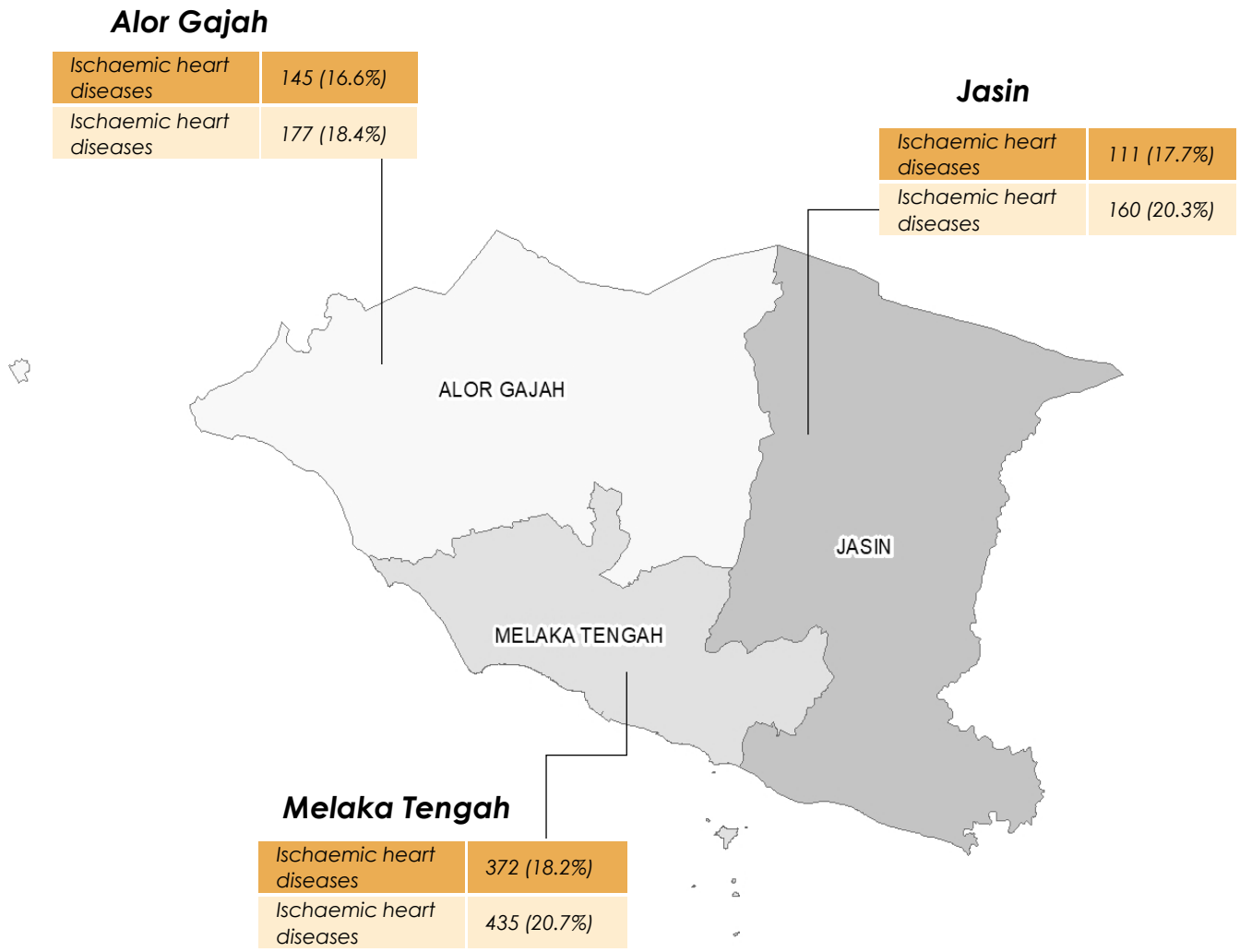
Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, MELAKA, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Malignant neoplasm of trachea, bronchus and lung
Total	**628**	**409**	**244**	**143**	**80**
0	-	3 (0.7%)	-	1 (0.7%)	-
1-4	-	1 (0.2%)	-	-	-
5-9	-	-	-	1 (0.7%)	-
10-14	-	1 (0.2%)	-	2 (1.4%)	-
15-19	-	-	-	29 (20.3%)	-
20-24	-	2 (0.5%)	1 (0.4%)	25 (17.5%)	-
25-29	2 (0.3%)	3 (0.7%)	1 (0.4%)	15 (10.5%)	1 (1.3%)
30-34	7 (1.1%)	1 (0.2%)	5 (2.0%)	11 (7.7%)	1 (1.3%)
35-39	12 (1.9%)	6 (1.5%)	4 (1.6%)	14 (9.8%)	-
40-44	17 (2.7%)	13 (3.2%)	8 (3.3%)	10 (7.0%)	2 (2.5%)
45-49	44 (7.0%)	8 (2.0%)	14 (5.7%)	7 (4.9%)	7 (8.8%)
50-54	53 (8.4%)	12 (2.9%)	20 (8.2%)	2 (1.4%)	3 (3.8%)
55-59	77 (12.3%)	23 (5.6%)	19 (7.8%)	8 (5.6%)	10 (12.5%)
60-64	85 (13.5%)	38 (9.3%)	26 (10.7%)	7 (4.9%)	14 (17.5%)
65-69	92 (14.6%)	60 (14.7%)	32 (13.1%)	5 (3.5%)	17 (21.3%)
70-74	87 (13.9%)	60 (14.7%)	28 (11.5%)	3 (2.1%)	13 (16.3%)
75-79	60 (9.6%)	64 (15.6%)	29 (11.9%)	1 (0.7%)	5 (6.3%)
80-84	46 (7.3%)	46 (11.2%)	31 (12.7%)	-	6 (7.5%)
85 and over	46 (7.3%)	68 (16.6%)	26 (10.7%)	2 (1.4%)	1 (1.3%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, MELAKA



Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, NEGERI SEMBILAN, 2023

NEGERI SEMBILAN

4,724 (57.4%) deaths

8,232 deaths

3,508 (42.6%) deaths

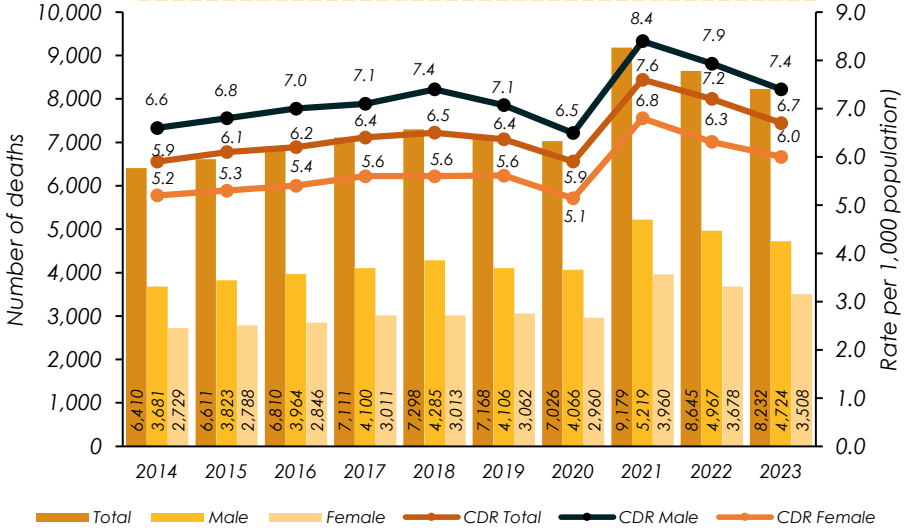
AVERAGE

1 deaths per hour

23 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), NEGERI SEMBILAN, 2014-2023

*The number of deaths in 2023 decreased **4.8 per cent** (413 deaths) as compared to 2022 (8,645 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases was the principal causes of death in **Negeri Sembilan** in 2023

14.6%

Ischaemic heart diseases

16.8%

Pneumonia

14.1%

Obstetric embolism was the principal causes of death for maternal

33.3%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, NEGERI SEMBILAN, 2023

1 Diseases of the circulatory system

28.7%
32.5%

2 Diseases of the respiratory system

18.7%
16.8%

3 Neoplasms

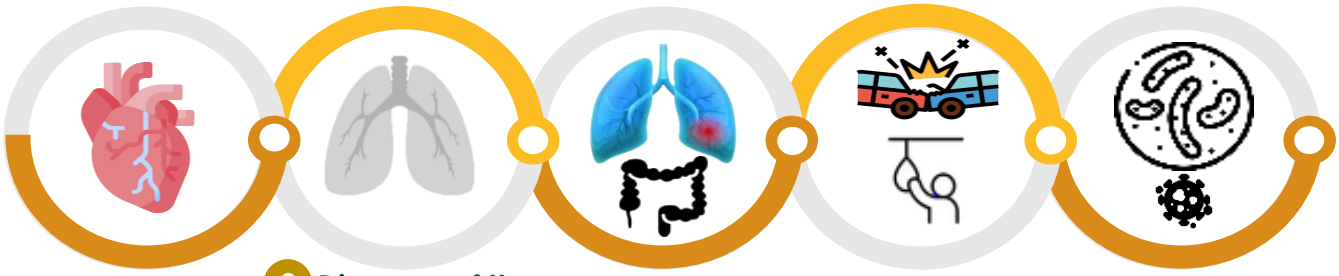
13.9%
13.5%

4 External causes of morbidity and mortality

9.0%
6.8%

5 Certain infectious and parasitic diseases

6.9%
5.9%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, NEGERI SEMBILAN, 2023



Malay (3,005 deaths)

1	Ischaemic heart diseases	13.7%
2	Pneumonia	12.7%
3	Cerebrovascular diseases	8.0%
4	Transport accidents	5.5%
5	Chronic lower respiratory diseases	2.4%



Other Bumiputera (76 deaths)

1	Pneumonia	13.2%
2	Ischaemic heart diseases	10.5%
3	Cerebrovascular diseases	10.5%
4	Transport accidents	6.6%
5	Malignant neoplasm of lip, oral cavity and pharynx	2.6%



Chinese (1,183 deaths)

1	Pneumonia	13.9%
2	Ischaemic heart diseases	13.2%
3	Cerebrovascular diseases	6.7%
4	Malignant neoplasm of trachea, bronchus and lung	3.9%
5	Transport accidents	2.9%



Indians (910 deaths)

1	Ischaemic heart diseases	19.5%
2	Pneumonia	10.1%
3	Cerebrovascular diseases	5.3%
4	Transport accidents	5.1%
5	Diseases of the liver	4.6%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, NEGERI SEMBILAN, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	25.5%
Cardiovascular disorders originating in the perinatal period	12.8%
Congenital malformation syndromes due to known exogenous causes, not elsewhere classified	4.3%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	18.8%
Cardiovascular disorders originating in the perinatal period	8.7%
Bacterial sepsis of newborn	7.2%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	40.0%
Congenital malformations, deformations and chromosomal abnormalities	30.5%
Pneumonia	1.9%

TODDLERS 1-4 YEARS

Influenza	13.8%
Transport accidents	10.3%
Congenital malformations, deformations and chromosomal abnormalities	6.9%

UNDER-5

Certain conditions originating in the perinatal period	31.3%
Congenital malformations, deformations and chromosomal abnormalities	25.4%
Influenza	3.0%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, NEGERI SEMBILAN, 2023



0-14 YEARS
(169 deaths)

Transport accidents	4.7%
Influenza	3.0%
Pneumonia	1.8%



15-40 YEARS
(541 deaths)

Transport accidents	26.6%
Ischaemic heart diseases	9.8%
Pneumonia	4.3%



41-59 YEARS
(1,197 deaths)

Ischaemic heart diseases	19.1%
Cerebrovascular diseases	7.4%
Pneumonia	6.8%



60 YEARS AND OVER
(3,343 deaths)

Pneumonia	16.4%
Ischaemic heart diseases	14.4%
Cerebrovascular diseases	8.2%

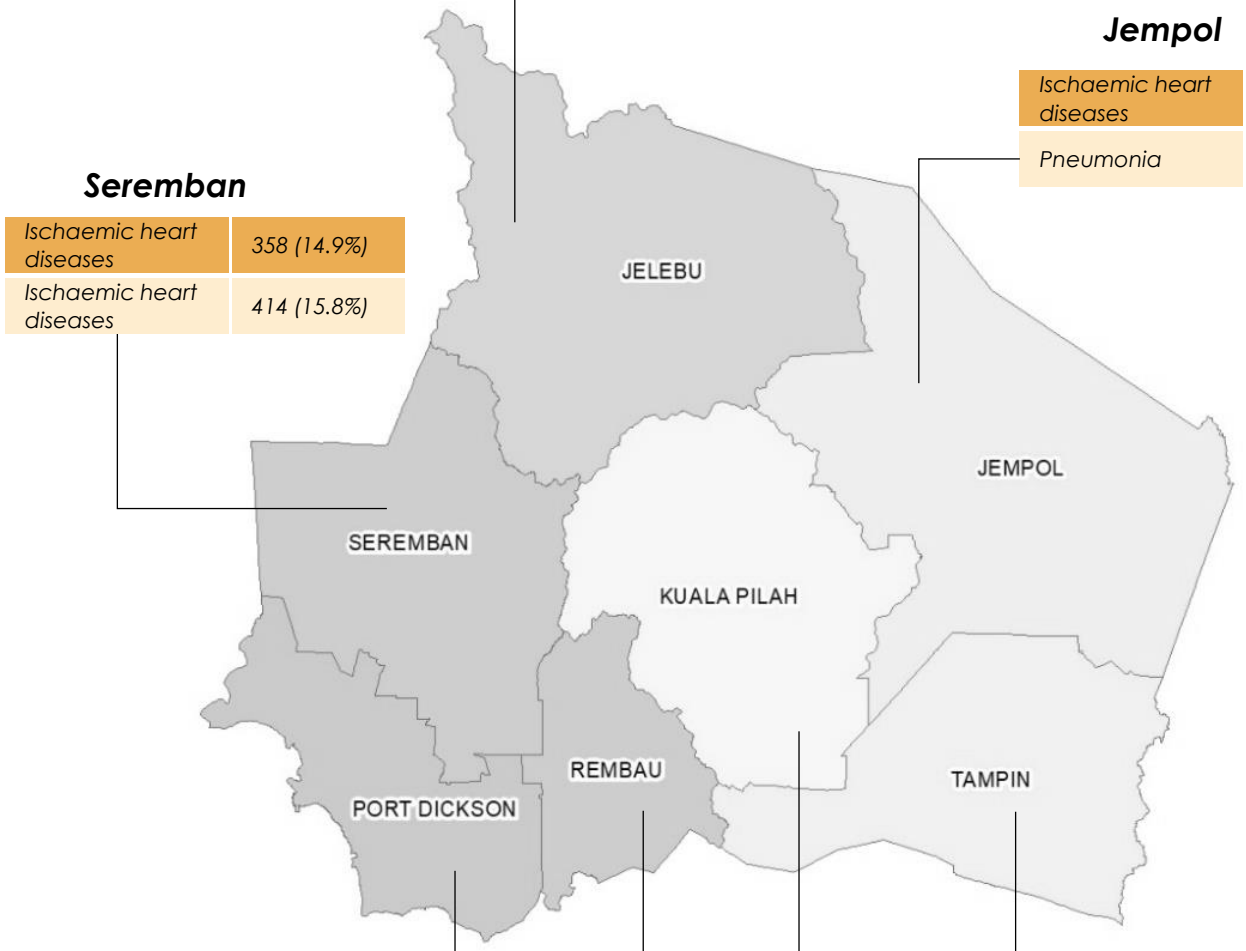
Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, NEGERI SEMBILAN, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Chronic lower respiratory diseases
Total	**765**	**655**	**378**	**249**	**118**
0	-	2 (0.3%)	-	-	-
1-4	-	1 (0.2%)	-	3 (1.2%)	-
5-9	-	-	-	1 (0.4%)	-
10-14	-	-	1 (0.3%)	4 (1.6%)	-
15-19	-	-	1 (0.3%)	41 (16.5%)	-
20-24	1 (0.1%)	2 (0.3%)	1 (0.3%)	30 (12.0%)	-
25-29	7 (0.9%)	1 (0.2%)	2 (0.5%)	21 (8.4%)	1 (0.8%)
30-34	10 (1.3%)	9 (1.4%)	2 (0.5%)	28 (11.2%)	-
35-39	26 (3.4%)	10 (1.5%)	5 (1.3%)	21 (8.4%)	1 (0.8%)
40-44	47 (6.1%)	12 (1.8%)	17 (4.5%)	23 (9.2%)	3 (2.5%)
45-49	58 (7.6%)	20 (3.1%)	13 (3.4%)	22 (8.8%)	1 (0.8%)
50-54	64 (8.4%)	26 (4.0%)	32 (8.5%)	6 (2.4%)	2 (1.7%)
55-59	69 (9.0%)	24 (3.7%)	30 (7.9%)	13 (5.2%)	7 (5.9%)
60-64	93 (12.2%)	49 (7.5%)	47 (12.4%)	11 (4.4%)	11 (9.3%)
65-69	90 (11.8%)	78 (11.9%)	52 (13.8%)	10 (4.0%)	9 (7.6%)
70-74	107 (14.0%)	99 (15.1%)	42 (11.1%)	7 (2.8%)	27 (22.9%)
75-79	74 (9.7%)	99 (15.1%)	43 (11.4%)	3 (1.2%)	17 (14.4%)
80-84	62 (8.1%)	95 (14.5%)	42 (11.1%)	3 (1.2%)	20 (16.9%)
85 and over	57 (7.5%)	128 (19.5%)	48 (12.7%)	2 (0.8%)	19 (16.1%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, NEGERI SEMBILAN



Jelebu

Ischaemic heart diseases	58 (19.1%)
Ischaemic heart diseases	66 (17.0%)

Jempol

Ischaemic heart diseases	100 (14.3%)
Pneumonia	123 (14.6%)

Seremban

Ischaemic heart diseases	358 (14.9%)
Ischaemic heart diseases	414 (15.8%)

Port Dickson

Ischaemic heart diseases	93 (16.3%)
Ischaemic heart diseases	158 (21.4%)

Tampin

Ischaemic heart diseases	68 (13.0%)
Ischaemic heart diseases	115 (19.5%)

Rembau

Pneumonia	40 (13.3%)
Ischaemic heart diseases	77 (21.0%)

Kuala Pilah

Pneumonia	74 (16.2%)
Pneumonia	77 (15.8%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, PAHANG, 2023

PAHANG

6,082 (57.9%) deaths

10,508 deaths

4,426 (42.1%) deaths

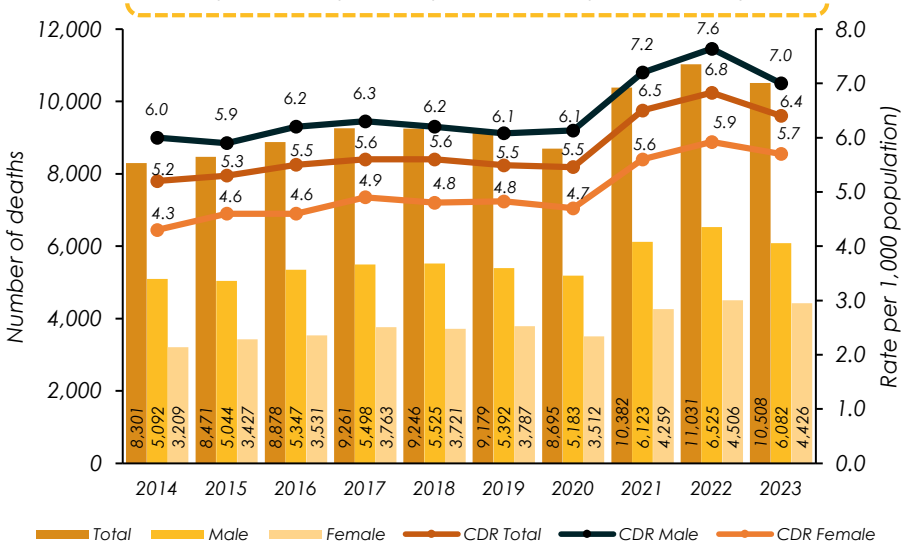
AVERAGE

1 deaths per hour

29 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), PAHANG, 2014-2023

*The number of deaths in 2023 decreased **4.7 per cent** (523 deaths) as compared to 2022 (11,031 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Pneumonia was the principal causes of death in **Pahang** in 2023

16.3%

Ischaemic heart diseases

16.8%

Pneumonia

16.9%

Obstetric embolism was the principal causes of death for maternal

50.0%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10 ,PAHANG, 2023

1 Diseases of the circulatory system

28.1%
30.8%

2 Diseases of the respiratory system

21.8%
20.3%

3 Neoplasms

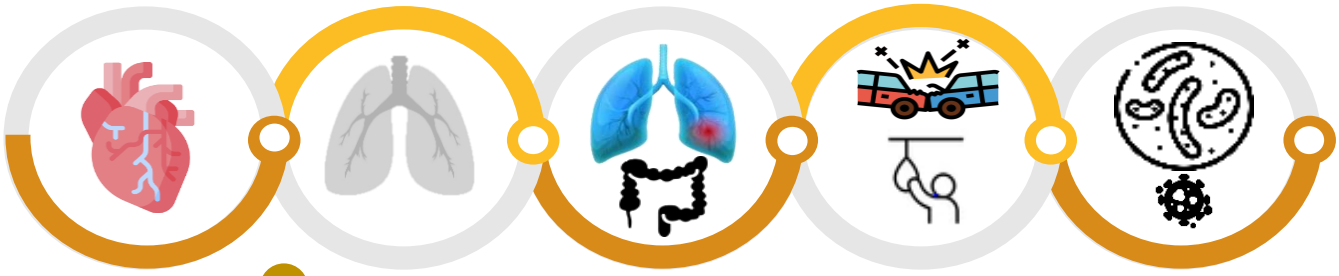
11.1%
9.9%

4 External causes of morbidity and mortality

9.0%
7.5%

5 Certain infectious and parasitic diseases

8.4%
8.2%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, PAHANG, 2023



Malay (4,465 deaths)

1	Pneumonia	16.4%
2	Ischaemic heart diseases	14.0%
3	Cerebrovascular diseases	7.6%
4	Transport accidents	5.4%
5	Diabetes mellitus	2.0%



Other Bumiputera (295 deaths)

1	Pneumonia	13.9%
2	Ischaemic heart diseases	10.8%
3	Cerebrovascular diseases	8.1%
4	Transport accidents	4.4%
5	Diseases of the liver	2.7%



Chinese (961 deaths)

1	Pneumonia	16.6%
2	Ischaemic heart diseases	16.4%
3	Cerebrovascular diseases	7.3%
4	Malignant neoplasm of trachea, bronchus and lung	3.1%
5	Malignant neoplasm of colon, rectum and anus	2.5%



Indians (271 deaths)

1	Ischaemic heart diseases	22.5%
2	Pneumonia	16.2%
3	Transport accidents	6.3%
4	Cerebrovascular diseases	3.3%
5	Diseases of the liver	2.6%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, PAHANG, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.1%
Cardiovascular disorders originating in the perinatal period	7.7%
Edward's syndrome and Patau's syndrome	5.5%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.6%
Cardiovascular disorders originating in the perinatal period	6.7%
Edward's syndrome and Patau's syndrome	5.0%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	39.9%
Congenital malformations, deformations and chromosomal abnormalities	34.6%
Pneumonia	2.7%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	18.8%
Transport accidents	15.6%
Leukaemia	6.3%

UNDER-5

Certain conditions originating in the perinatal period	34.1%
Congenital malformations, deformations and chromosomal abnormalities	32.3%
Pneumonia	2.7%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, PAHANG, 2023



0-14 YEARS
(277 deaths)

Transport accidents	6.5%
Pneumonia	2.2%
Whooping cough	1.1%



15-40 YEARS
(722 deaths)

Transport accidents	24.5%
Pneumonia	8.0%
Ischaemic heart diseases	7.2%



41-59 YEARS
(1,553 deaths)

Ischaemic heart diseases	19.9%
Pneumonia	12.0%
Cerebrovascular diseases	6.6%



60 YEARS AND OVER
(3,576 deaths)

Pneumonia	20.9%
Ischaemic heart diseases	15.0%
Cerebrovascular diseases	9.1%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, PAHANG, 2023

Age group	Pneumonia	Ischaemic heart diseases	Cerebrovascular diseases	Transport accidents	Chronic lower respiratory diseases
Total	**999**	**896**	**444**	**300**	**114**
0	5 (0.5%)	-	-	-	-
1-4	1 (0.1%)	-	-	5 (1.7%)	-
5-9	-	-	-	1 (0.3%)	-
10-14	-	-	-	12 (4.0%)	-
15-19	3 (0.3%)	-	-	44 (14.7%)	-
20-24	4 (0.4%)	1 (0.1%)	-	48 (16.0%)	1 (0.9%)
25-29	6 (0.6%)	5 (0.6%)	1 (0.2%)	29 (9.7%)	1 (0.9%)
30-34	15 (1.5%)	15 (1.7%)	5 (1.1%)	26 (8.7%)	3 (2.6%)
35-39	24 (2.4%)	21 (2.3%)	6 (1.4%)	27 (9.0%)	1 (0.9%)
40-44	37 (3.7%)	55 (6.1%)	19 (4.3%)	17 (5.7%)	6 (5.3%)
45-49	45 (4.5%)	76 (8.5%)	16 (3.6%)	13 (4.3%)	2 (1.8%)
50-54	34 (3.4%)	91 (10.2%)	27 (6.1%)	18 (6.0%)	3 (2.6%)
55-59	77 (7.7%)	97 (10.8%)	43 (9.7%)	16 (5.3%)	10 (8.8%)
60-64	86 (8.6%)	95 (10.6%)	53 (11.9%)	12 (4.0%)	7 (6.1%)
65-69	139 (13.9%)	119 (13.3%)	61 (13.7%)	9 (3.0%)	21 (18.4%)
70-74	165 (16.5%)	122 (13.6%)	86 (19.4%)	8 (2.7%)	22 (19.3%)
75-79	153 (15.3%)	80 (8.9%)	51 (11.5%)	7 (2.3%)	16 (14.0%)
80-84	109 (10.9%)	56 (6.3%)	34 (7.7%)	4 (1.3%)	13 (11.4%)
85 and over	96 (9.6%)	63 (7.0%)	42 (9.5%)	4 (1.3%)	8 (7.0%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, PAHANG

Cameron Highlands

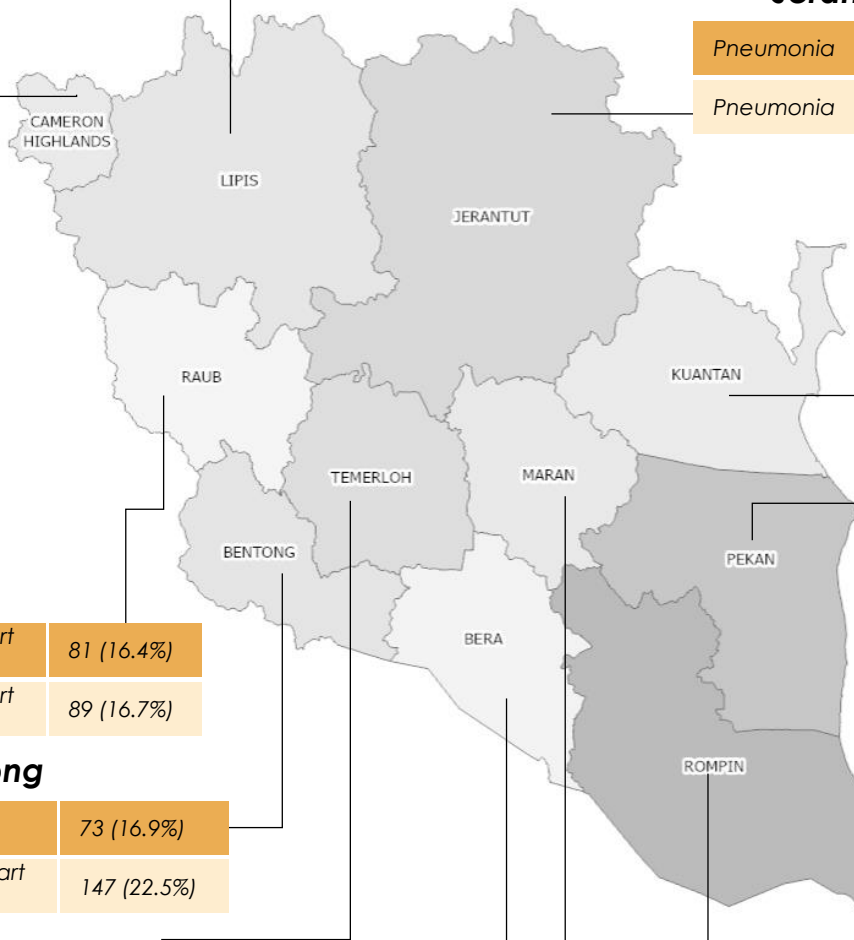
Ischaemic heart diseases	14 (18.2%)
Ischaemic heart diseases	27 (19.3%)

Lipis

Ischaemic heart diseases	45 (15.2%)
Ischaemic heart diseases	95 (22.1%)

Jerantut

Pneumonia	91 (22.1%)
Pneumonia	90 (19.3%)



Kuantan

Pneumonia	226 (15.6%)
Pneumonia	197 (13.8%)

Raub

Ischaemic heart diseases	81 (16.4%)
Ischaemic heart diseases	89 (16.7%)

Bentong

Pneumonia	73 (16.9%)
Ischaemic heart diseases	147 (22.5%)

Temerloh

Ischaemic heart diseases	171 (17.9%)
Ischaemic heart diseases	236 (21.0%)

Pekan

Pneumonia	72 (17.5%)
Pneumonia	82 (18.4%)

Bera

Pneumonia	96 (19.8%)
Ischaemic heart diseases	139 (27.0%)

Maran

Ischaemic heart diseases	109 (16.7%)
Ischaemic heart diseases	121 (16.4%)

Rompin

Pneumonia	73 (15.6%)
Pneumonia	76 (15.1%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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NUMBER OF DEATHS, PERAK, 2023

PERAK

11,735 (56.3%) deaths

20,839 deaths

9,104 (43.7%) deaths

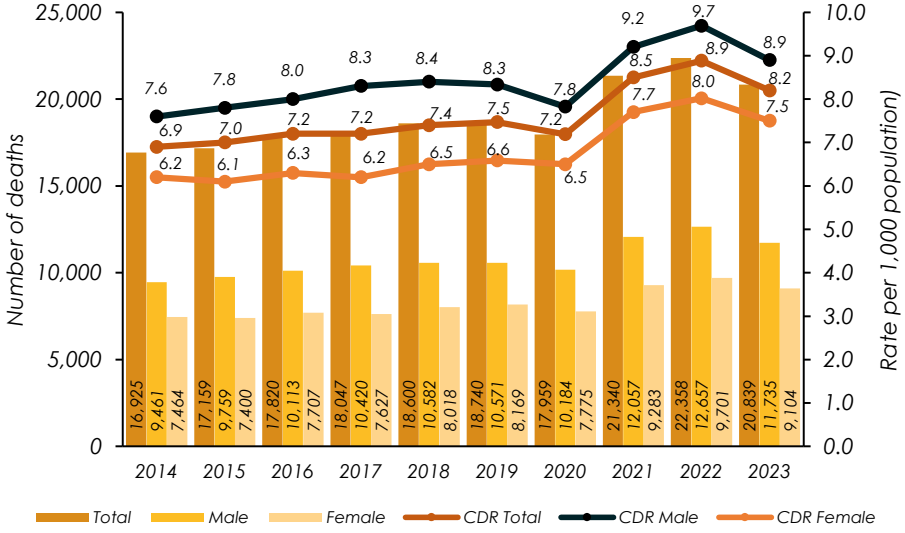
AVERAGE

2 deaths per hour

57 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), PERAK, 2014-2023

*The number of deaths in 2023 decreased **6.8 per cent** (1,519 deaths) as compared to 2022 (22,358 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases was the principal causes of death in **Perak** in 2023

15.7%

Ischaemic heart diseases **18.4%**

Pneumonia **17.8%**

Obstetric embolism was the principal causes of death for maternal

50.0%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, PERAK, 2023

1 Diseases of the circulatory system

29.5%
27.5%

2 Diseases of the respiratory system

21.4%
19.8%

3 Neoplasms

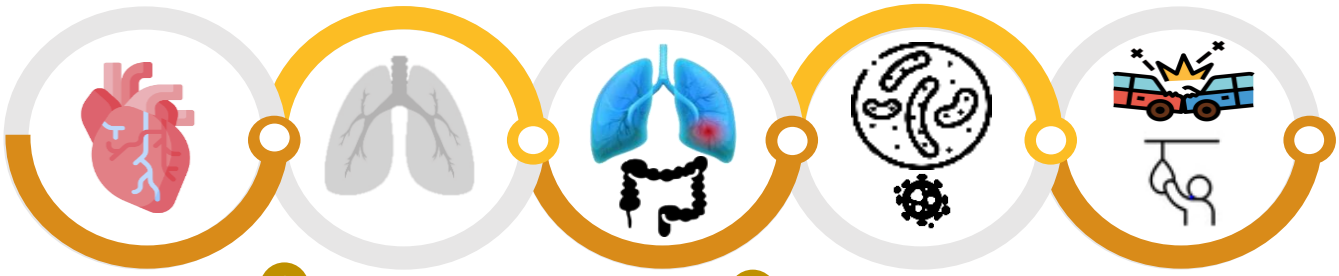
12.8%
10.8%

4 Certain infectious and parasitic diseases

8.0%
7.8%

5 External causes of morbidity and mortality

7.7%
7.8%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, PERAK, 2023



Malay (6,687 deaths)

1	Ischaemic heart diseases	15.9%
2	Pneumonia	15.5%
3	Cerebrovascular diseases	8.7%
4	Transport accidents	3.9%
5	Diabetes mellitus	2.0%



Other Bumiputera (267 deaths)

1	Ischaemic heart diseases	10.9%
2	Pneumonia	10.1%
3	Cerebrovascular diseases	9.0%
4	Transport accidents	4.1%
5	Malignant neoplasm of lip, oral cavity and pharynx	1.9%



Chinese (3,867 deaths)

1	Pneumonia	17.0%
2	Ischaemic heart diseases	13.9%
3	Cerebrovascular diseases	6.7%
4	Malignant neoplasm of colon, rectum and anus	2.8%
5	Malignant neoplasm of trachea, bronchus and lung	2.6%



Indians (1,790 deaths)

1	Ischaemic heart diseases	19.3%
2	Pneumonia	13.9%
3	Cerebrovascular diseases	5.9%
4	Transport accidents	3.7%
5	Diseases of the liver	3.2%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, PERAK, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	30.3%
Edward's syndrome and Patau's syndrome	6.4%
Cardiovascular disorders originating in the perinatal period	3.7%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.4%
Cardiovascular disorders originating in the perinatal period	6.4%
Edward's syndrome and Patau's syndrome	5.7%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	42.9%
Congenital malformations, deformations and chromosomal abnormalities	32.5%
Pneumonia	2.8%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	11.4%
Meningitis	5.7%
Transport accidents	5.7%

UNDER-5

Certain conditions originating in the perinatal period	36.8%
Congenital malformations, deformations and chromosomal abnormalities	29.6%
Pneumonia	2.4%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, PERAK, 2023



0-14 YEARS
(313 deaths)

Transport accidents	3.5%
Pneumonia	2.9%
Malignant neoplasm of meninges, brain and other parts of central nervous system	1.9%



15-40 YEARS
(1,149 deaths)

Transport accidents	19.1%
Ischaemic heart diseases	8.5%
Pneumonia	6.8%



41-59 YEARS
(2,923 deaths)

Ischaemic heart diseases	22.6%
Pneumonia	8.9%
Cerebrovascular diseases	7.7%



60 YEARS AND OVER
(8,406 deaths)

Pneumonia	19.7%
Ischaemic heart diseases	14.8%
Cerebrovascular diseases	8.4%

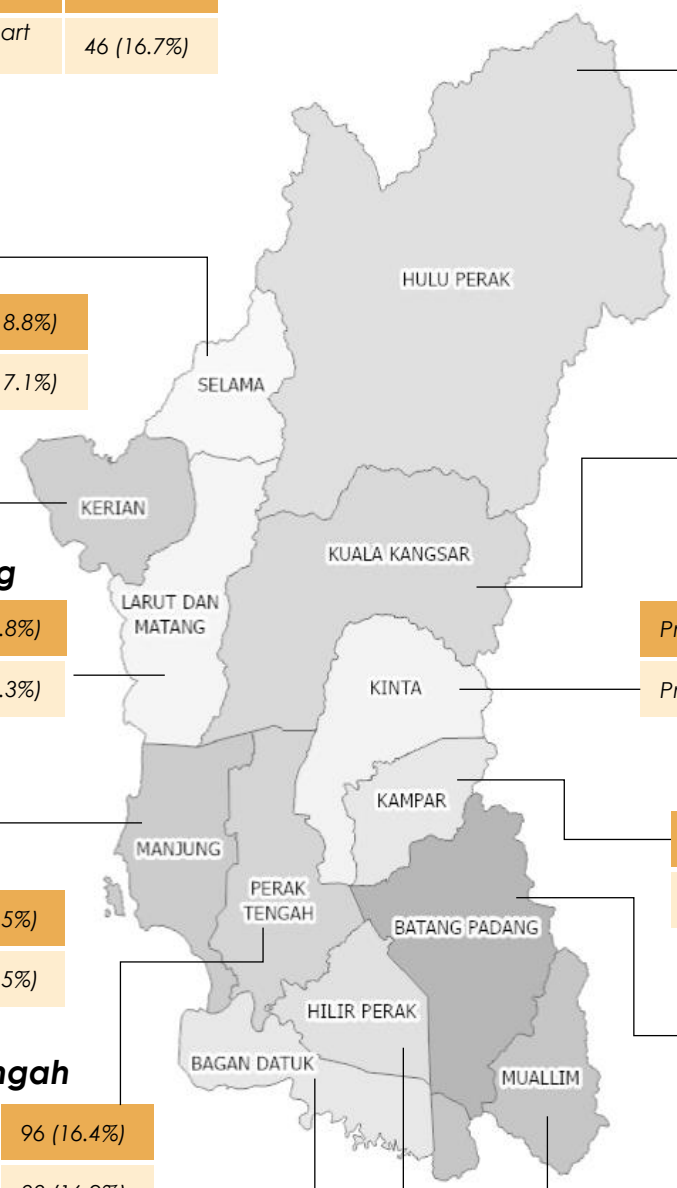
Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, PERAK, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Malignant neoplasm of trachea, bronchus and lung
Total	**2,002**	**1,999**	**984**	**429**	**226**
0	-	6 (0.3%)	-	-	-
1-4	-	-	-	2 (0.5%)	-
5-9	-	2 (0.1%)	-	2 (0.5%)	-
10-14	-	1 (0.1%)	1 (0.1%)	7 (1.6%)	-
15-19	-	3 (0.2%)	4 (0.4%)	57 (13.3%)	-
20-24	3 (0.1%)	8 (0.4%)	3 (0.3%)	51 (11.9%)	1 (0.4%)
25-29	5 (0.2%)	15 (0.8%)	7 (0.7%)	43 (10.0%)	1 (0.4%)
30-34	21 (1.0%)	10 (0.5%)	7 (0.7%)	30 (7.0%)	-
35-39	51 (2.5%)	30 (1.5%)	21 (2.1%)	33 (7.7%)	3 (1.3%)
40-44	102 (5.1%)	42 (2.1%)	38 (3.9%)	28 (6.5%)	4 (1.8%)
45-49	126 (6.3%)	43 (2.2%)	44 (4.5%)	22 (5.1%)	9 (4.0%)
50-54	196 (9.8%)	71 (3.6%)	65 (6.6%)	24 (5.6%)	19 (8.4%)
55-59	255 (12.7%)	115 (5.8%)	84 (8.5%)	27 (6.3%)	29 (12.8%)
60-64	243 (12.1%)	172 (8.6%)	115 (11.7%)	31 (7.2%)	32 (14.2%)
65-69	254 (12.7%)	250 (12.5%)	121 (12.3%)	21 (4.9%)	41 (18.1%)
70-74	231 (11.5%)	309 (15.5%)	126 (12.8%)	24 (5.6%)	40 (17.7%)
75-79	176 (8.8%)	286 (14.3%)	124 (12.6%)	17 (4.0%)	27 (11.9%)
80-84	183 (9.1%)	278 (13.9%)	104 (10.6%)	10 (2.3%)	13 (5.8%)
85 and over	156 (7.8%)	358 (17.9%)	120 (12.2%)	-	7 (3.1%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, PERAK



Selama

Ischaemic heart diseases	56 (18.5%)
Ischaemic heart diseases	46 (16.7%)

Hulu Perak

Ischaemic heart diseases	121 (19.2%)
Ischaemic heart diseases	89 (14.2%)

Kerian

Pneumonia	157 (18.8%)
Pneumonia	151 (17.1%)

Kuala Kangsar

Pneumonia	192 (20.8%)
Pneumonia	180 (18.4%)

Larut Dan Matang

Ischaemic heart diseases	333 (16.8%)
Ischaemic heart diseases	301 (17.3%)

Kinta

Pneumonia	542 (14.6%)
Pneumonia	488 (12.9%)

Kampar

Pneumonia	96 (20.8%)
Pneumonia	105 (19.6%)

Manjung

Ischaemic heart diseases	196 (16.5%)
Ischaemic heart diseases	182 (15.5%)

Batang Padang

Pneumonia	105 (16.3%)
Pneumonia	105 (15.7%)

Perak Tengah

Ischaemic heart diseases	96 (16.4%)
Ischaemic heart diseases	88 (16.9%)

Muallim

Ischaemic heart diseases	60 (27.1%)
Ischaemic heart diseases	45 (20.2%)

Bagan Datuk

Ischaemic heart diseases	65 (19.3%)
Pneumonia	49 (15.9%)

Hilir Perak

Ischaemic heart diseases	167 (17.3%)
Ischaemic heart diseases	124 (17.4%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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NUMBER OF DEATHS, PERLIS, 2023

PERLIS

1,179 (54.3%) deaths

2,171 deaths

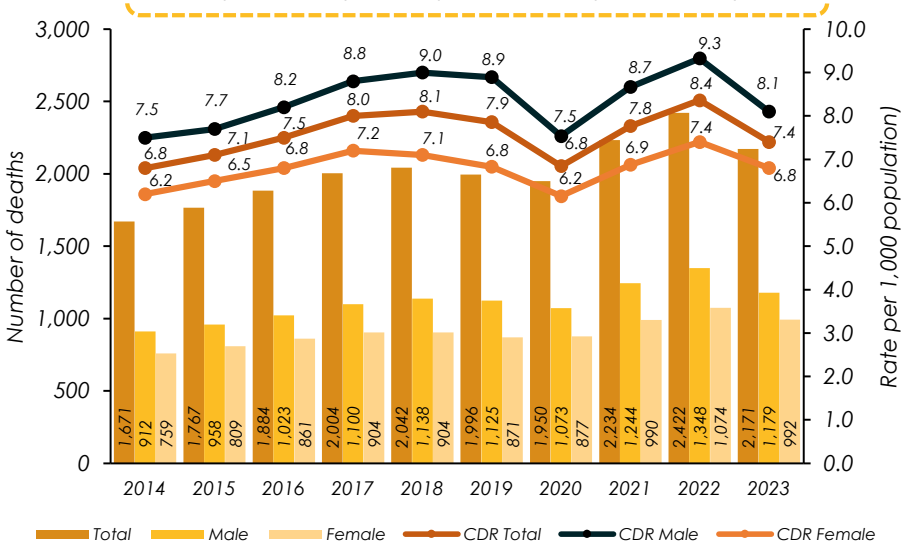
992 (45.7%) deaths

AVERAGE

6 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), PERLIS, 2014-2023

*The number of deaths in 2023 decreased **10.4 per cent** (251 deaths) as compared to 2022 (2,422 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Pneumonia was the principal causes of death in **Perlis** in 2023

18.6%

Pneumonia
19.0%

Pneumonia
18.0%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, PERLIS, 2023

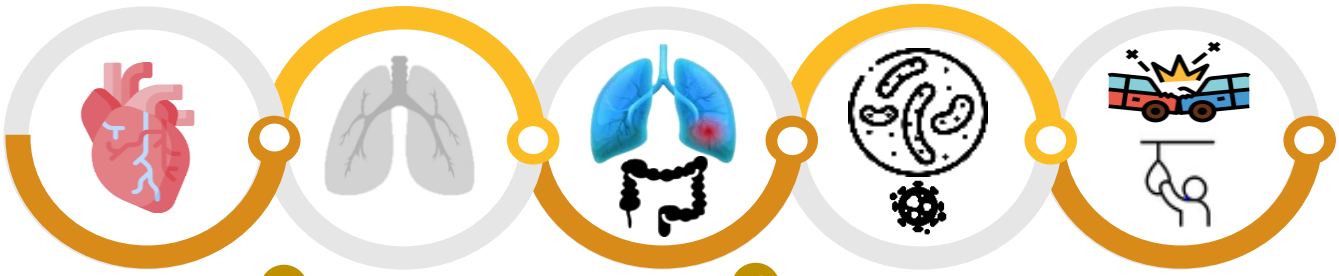
1 Diseases of the circulatory system
31.0%
35.9%

2 Diseases of the respiratory system
23.1%
19.9%

3 Neoplasms
11.5%
8.9%

4 Certain infectious and parasitic diseases
8.5%
7.4%

5 External causes of morbidity and mortality
6.3%
5.6%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, PERLIS, 2023



Malay (1,156 deaths)

1	Pneumonia	18.7%
2	Ischaemic heart diseases	15.1%
3	Cerebrovascular diseases	8.8%
4	Transport accidents	3.5%
5	Malignant neoplasm of trachea, bronchus and lung	2.0%



Other Bumiputera (0 deaths)

Note : No medically certified deaths recorded for Other Bumiputera.



Chinese (133 deaths)

1	Pneumonia	19.5%
2	Ischaemic heart diseases	15.0%
3	Cerebrovascular diseases	5.3%
4	Malignant neoplasm of liver and intrahepatic bile ducts	2.3%
5	Malignant neoplasm of pancreas	2.3%



Indians (19 deaths)

1	Ischaemic heart diseases	21.1%
2	Pneumonia	21.1%
3	Malignant neoplasm of pancreas	5.3%
4	Malignant neoplasm of breast	5.3%
5	Diabetes mellitus	5.3%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, PERLIS, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	20.0%
Anencephaly and similar malformations	6.7%
Bacterial sepsis of newborn	6.7%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	15.0%
Edward's syndrome and Patau's syndrome	10.0%
Anencephaly and similar malformations	5.0%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	50.0%
Congenital malformations, deformations and chromosomal abnormalities	37.5%

Note: No causes of death classified in ranking 3 because the compilation of the principal causes of death presented excluded unknown causes of death and unspesific causes of death.

TODDLERS 1-4 YEARS

Pneumonia	25.0%
Congenital malformations, deformations and chromosomal abnormalities	25.0%

Note: No causes of death classified in ranking 3 because the compilation of the principal causes of death presented excluded unknown causes of death and unspesific causes of death.

UNDER-5

Certain conditions originating in the perinatal period	42.9%
Congenital malformations, deformations and chromosomal abnormalities	35.7%
Pneumonia	3.6%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, PERLIS, 2023



0-14 YEARS
(35 deaths)

Transport accidents	5.7%
Pneumonia	2.9%

Note: No causes of death classified in ranking 3 because the compilation of the principal causes of death presented excluded unknown causes of death and unspesific causes of death.



15-40 YEARS
(138 deaths)

Transport accidents	20.3%
Pneumonia	11.6%
Ischaemic heart diseases	10.9%



41-59 YEARS
(247 deaths)

Ischaemic heart diseases	14.2%
Pneumonia	11.7%
Cerebrovascular diseases	8.1%



60 YEARS AND OVER
(914 deaths)

Pneumonia	22.1%
Ischaemic heart diseases	16.6%
Cerebrovascular diseases	9.5%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, PERLIS, 2023

Age group	Pneumonia	Ischaemic heart diseases	Cerebrovascular diseases	Transport accidents	Malignant neoplasm of trachea, bronchus and lung
Total	**248**	**202**	**111**	**44**	**26**
0	-	-	-	-	-
1-4	1 (0.4%)	-	-	-	-
5-9	-	-	-	-	-
10-14	-	-	-	2 (4.5%)	-
15-19	1 (0.4%)	-	-	7 (15.9%)	-
20-24	3 (1.2%)	-	-	12 (27.3%)	-
25-29	5 (2.0%)	5 (2.5%)	-	2 (4.5%)	-
30-34	1 (0.4%)	2 (1.0%)	1 (0.9%)	5 (11.4%)	-
35-39	6 (2.4%)	6 (3.0%)	3 (2.7%)	2 (4.5%)	-
40-44	3 (1.2%)	8 (4.0%)	1 (0.9%)	1 (2.3%)	1 (3.8%)
45-49	4 (1.6%)	5 (2.5%)	4 (3.6%)	1 (2.3%)	3 (11.5%)
50-54	9 (3.6%)	9 (4.5%)	4 (3.6%)	3 (6.8%)	-
55-59	13 (5.2%)	15 (7.4%)	11 (9.9%)	-	2 (7.7%)
60-64	21 (8.5%)	23 (11.4%)	8 (7.2%)	2 (4.5%)	5 (19.2%)
65-69	33 (13.3%)	32 (15.8%)	9 (8.1%)	1 (2.3%)	4 (15.4%)
70-74	29 (11.7%)	21 (10.4%)	18 (16.2%)	3 (6.8%)	6 (23.1%)
75-79	33 (13.3%)	27 (13.4%)	18 (16.2%)	1 (2.3%)	3 (11.5%)
80-84	37 (14.9%)	28 (13.9%)	16 (14.4%)	2 (4.5%)	2 (7.7%)
85 and over	49 (19.8%)	21 (10.4%)	18 (16.2%)	-	-

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, PULAU PINANG, 2023

PULAU PINANG

6,851 (55.7%) deaths

12,304 deaths

5,453 (44.3%) deaths

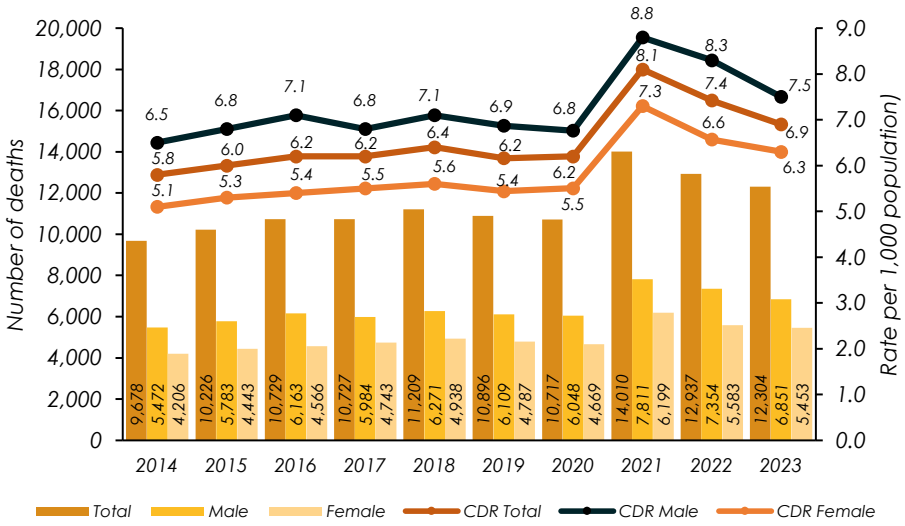
AVERAGE

1 deaths per hour

34 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), PULAU PINANG, 2014-2023

*The number of deaths in 2023 decreased **4.9 per cent** (633 deaths) as compared to 2022 (12,937 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Pneumonia was the principal causes of death in **Pulau Pinang** in 2023

17.8%

Ischaemic heart diseases

17.7%

Pneumonia

18.2%

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium was the principal causes of death for maternal

25.0%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10 ,PULAU PINANG, 2023

1 Diseases of the circulatory system

27.1%
29.8%

2 Diseases of the respiratory system

22.8%
19.7%

3 Neoplasms

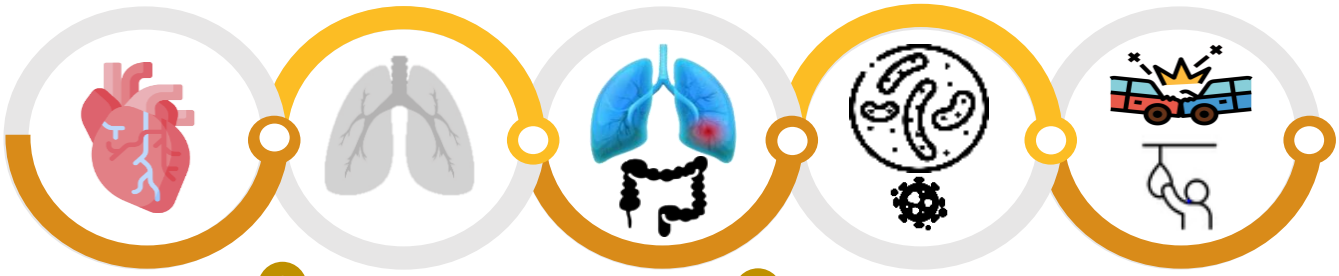
14.3%
12.5%

4 Certain infectious and parasitic diseases

8.6%
9.1%

5 External causes of morbidity and mortality

7.8%
7.3%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, PULAU PINANG, 2023



Malay (2,966 deaths)

1	Pneumonia	16.4%
2	Ischaemic heart diseases	15.8%
3	Cerebrovascular diseases	6.3%
4	Transport accidents	4.7%
5	Diabetes mellitus	2.8%



Other Bumiputera (17 deaths)

1	Ischaemic heart diseases	17.6%
2	Transport accidents	11.8%
3	Malignant neoplasm of trachea, bronchus and lung	5.9%
4	Malignant neoplasm of meninges, brain and other parts of central nervous system	5.9%
5	Pneumonia	5.9%



Chinese (3,576 deaths)

1	Pneumonia	19.0%
2	Ischaemic heart diseases	14.1%
3	Cerebrovascular diseases	4.8%
4	Malignant neoplasm of trachea, bronchus and lung	3.3%
5	Malignant neoplasm of colon, rectum and anus	2.8%



Indians (1,142 deaths)

1	Ischaemic heart diseases	19.4%
2	Pneumonia	17.7%
3	Transport accidents	6.0%
4	Cerebrovascular diseases	4.6%
5	Diabetes mellitus	2.7%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, PULAU PINANG, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	23.1%
Cardiovascular disorders originating in the perinatal period	11.5%
Edward's syndrome and Patau's syndrome	7.7%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	17.4%
Cardiovascular disorders originating in the perinatal period	8.7%
Bacterial sepsis of newborn	5.8%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	42.2%
Congenital malformations, deformations and chromosomal abnormalities	31.2%
Pneumonia	2.8%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	27.3%
Malignant neoplasm of meninges, brain and other parts or central nervous system	9.1%
Leukaemia	4.5%

UNDER-5

Certain conditions originating in the perinatal period	35.1%
Congenital malformations, deformations and chromosomal abnormalities	30.5%
Pneumonia	2.3%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, PULAU PINANG, 2023



0-14 YEARS
(170 deaths)

Transport accidents	4.1%
Pneumonia	3.5%
Leukaemia	2.4%



15-40 YEARS
(616 deaths)

Transport accidents	23.9%
Ischaemic heart diseases	8.1%
Intentional self-harm	8.0%



41-59 YEARS
(1,784 deaths)

Ischaemic heart diseases	21.4%
Pneumonia	11.7%
Cerebrovascular diseases	5.4%



60 YEARS AND OVER
(5,269 deaths)

Pneumonia	21.5%
Ischaemic heart diseases	14.7%
Cerebrovascular diseases	5.6%

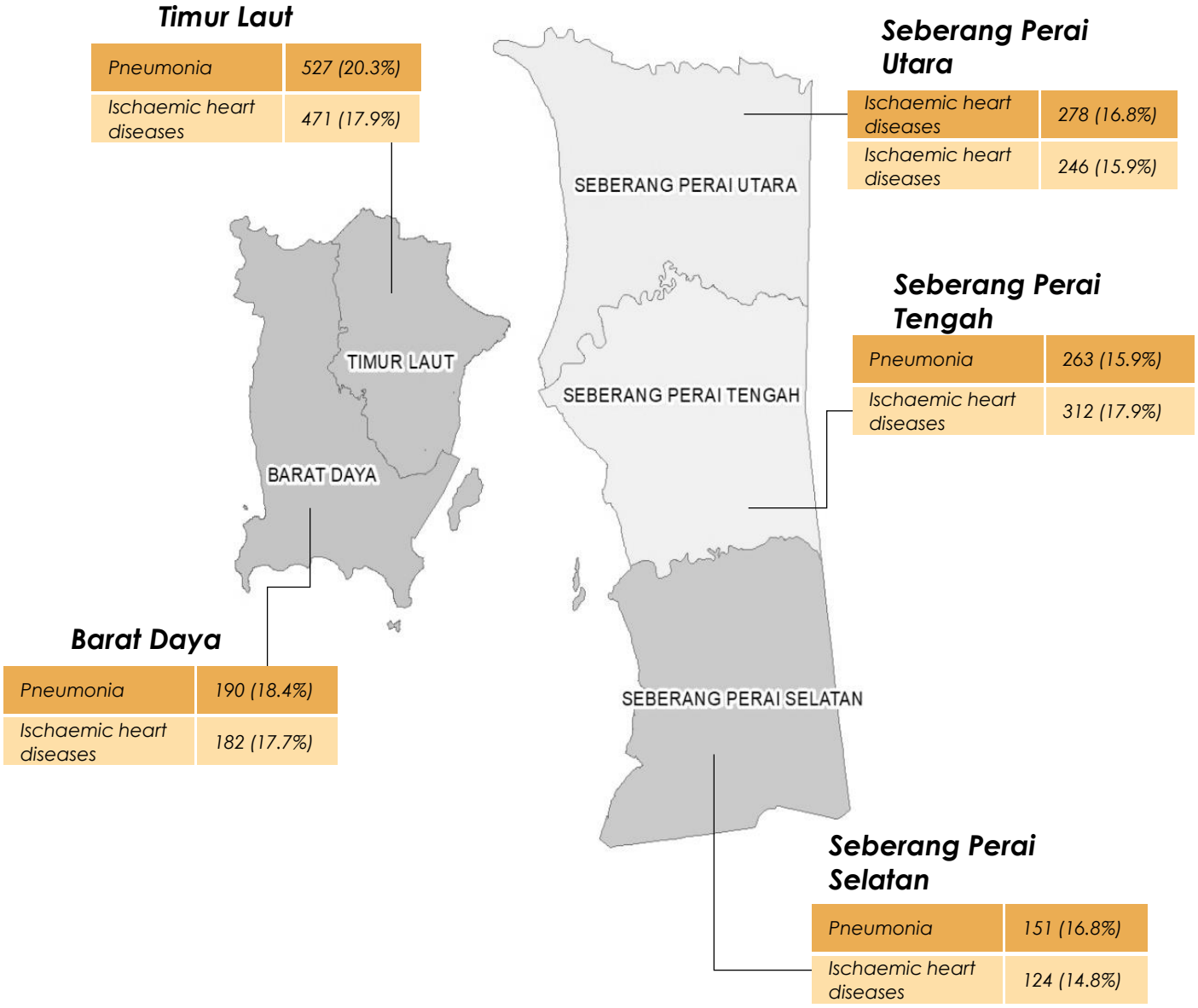
Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, PULAU PINANG, 2023

Age group	Pneumonia	Ischaemic heart diseases	Cerebrovascular diseases	Transport accidents	Malignant neoplasm of trachea, bronchus and lung
Total	**1,394**	**1,209**	**415**	**311**	**174**
0	3 (0.2%)	-	-	1 (0.3%)	-
1-4	-	-	-	-	-
5-9	2 (0.1%)	-	-	1 (0.3%)	-
10-14	1 (0.1%)	-	-	5 (1.6%)	-
15-19	2 (0.1%)	-	-	40 (12.9%)	-
20-24	-	1 (0.1%)	2 (0.5%)	33 (10.6%)	-
25-29	8 (0.6%)	5 (0.4%)	3 (0.7%)	29 (9.3%)	-
30-34	13 (0.9%)	14 (1.2%)	4 (1.0%)	21 (6.8%)	-
35-39	19 (1.4%)	19 (1.6%)	10 (2.4%)	17 (5.5%)	4 (2.3%)
40-44	18 (1.3%)	55 (4.5%)	10 (2.4%)	18 (5.8%)	5 (2.9%)
45-49	47 (3.4%)	83 (6.9%)	17 (4.1%)	15 (4.8%)	8 (4.6%)
50-54	68 (4.9%)	104 (8.6%)	23 (5.5%)	18 (5.8%)	8 (4.6%)
55-59	79 (5.7%)	151 (12.5%)	51 (12.3%)	28 (9.0%)	14 (8.0%)
60-64	115 (8.2%)	139 (11.5%)	47 (11.3%)	22 (7.1%)	30 (17.2%)
65-69	172 (12.3%)	181 (15.0%)	53 (12.8%)	20 (6.4%)	32 (18.4%)
70-74	204 (14.6%)	139 (11.5%)	49 (11.8%)	27 (8.7%)	22 (12.6%)
75-79	224 (16.1%)	143 (11.8%)	58 (14.0%)	6 (1.9%)	22 (12.6%)
80-84	203 (14.6%)	101 (8.4%)	42 (10.1%)	6 (1.9%)	20 (11.5%)
85 and over	216 (15.5%)	74 (6.1%)	46 (11.1%)	4 (1.3%)	9 (5.2%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, PULAU PINANG



Timur Laut

Pneumonia	527 (20.3%)
Ischaemic heart diseases	471 (17.9%)

Seberang Perai Utara

Ischaemic heart diseases	278 (16.8%)
Ischaemic heart diseases	246 (15.9%)

Seberang Perai Tengah

Pneumonia	263 (15.9%)
Ischaemic heart diseases	312 (17.9%)

Barat Daya

Pneumonia	190 (18.4%)
Ischaemic heart diseases	182 (17.7%)

Seberang Perai Selatan

Pneumonia	151 (16.8%)
Ischaemic heart diseases	124 (14.8%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, SABAH, 2023

SABAH

9,680 (58.3%) deaths

16,610 deaths

6,930 (41.7%) deaths

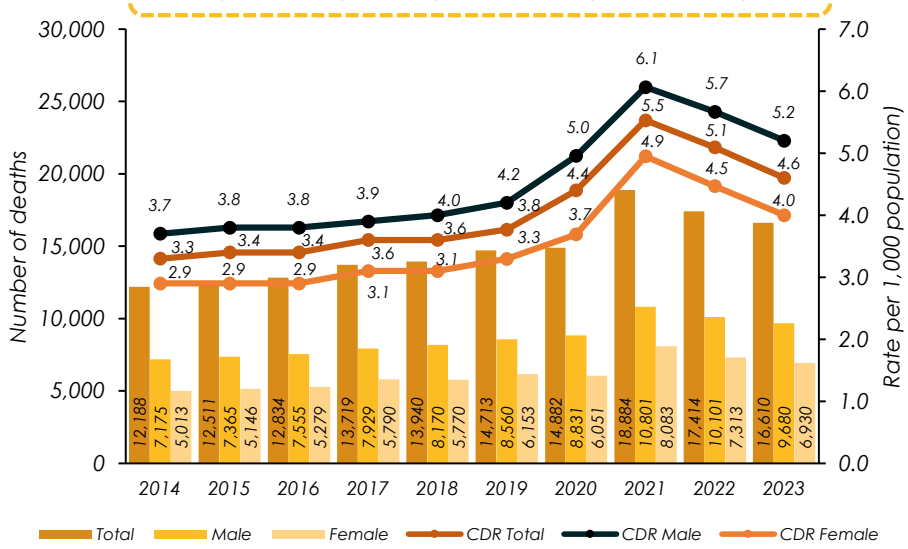
AVERAGE

2 deaths per hour

46 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), SABAH, 2014-2023

*The number of deaths in 2023 decreased **4.6 per cent** (804 deaths) as compared to 2022 (17,414 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Pneumonia was the principal causes of death in **Sabah** in 2023

14.2%

Pneumonia

13.5%

Pneumonia

15.2%

Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium was the principal causes of death for maternal

11.8%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, SABAH, 2023

1 Diseases of the circulatory system

23.9%
24.1%

2 Diseases of the respiratory system

20.6%
19.4%

3 Neoplasms

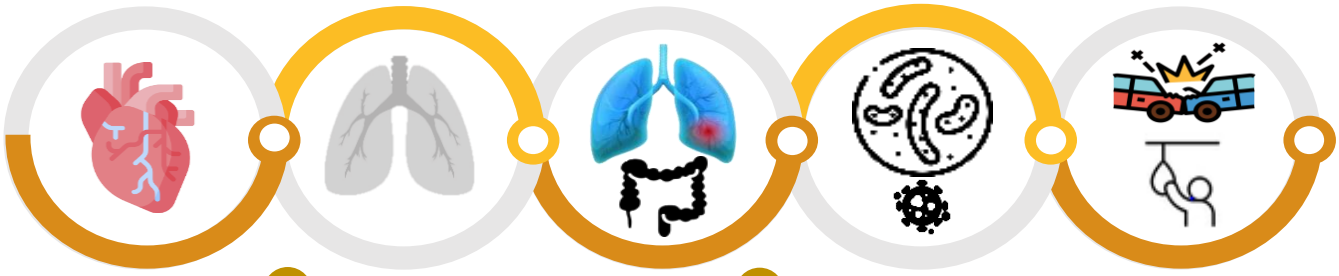
17.3%
15.2%

4 Certain infectious and parasitic diseases

8.1%
6.5%

5 External causes of morbidity and mortality

5.3%
5.3%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, SABAH, 2023



Malay (1,118 deaths)

1	Pneumonia	12.4%
2	Ischaemic heart diseases	10.6%
3	Cerebrovascular diseases	7.3%
4	Malignant neoplasm of colon, rectum and anus	2.5%
5	Hypertensive diseases	2.3%



Other Bumiputera (5,164 deaths)

1	Pneumonia	13.8%
2	Ischaemic heart diseases	6.6%
3	Cerebrovascular diseases	6.6%
4	Transport accidents	2.7%
5	Hypertensive diseases	2.7%



Chinese (1,211 deaths)

1	Pneumonia	17.8%
2	Ischaemic heart diseases	9.7%
3	Cerebrovascular diseases	6.3%
4	Malignant neoplasm of colon, rectum and anus	3.1%
5	Malignant neoplasm of trachea, bronchus and lung	3.0%



Indians (29 deaths)

1	Pneumonia	20.7%
2	Ischaemic heart diseases	17.2%
3	Cerebrovascular diseases	6.9%
4	Malignant neoplasm of liver and intrahepatic bile ducts	3.4%
5	Leukaemia	3.4%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, SABAH, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	35.9%
Edward's syndrome and Patau's syndrome	9.2%
Cardiovascular disorders originating in the perinatal period	5.3%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	29.2%
Edward's syndrome and Patau's syndrome	7.0%
Cardiovascular disorders originating in the perinatal period	6.4%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	44.7%
Congenital malformations, deformations and chromosomal abnormalities	28.7%
Pneumonia	2.8%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	11.0%
Pneumonia	9.9%
Leukaemia	5.5%

UNDER-5

Certain conditions originating in the perinatal period	33.8%
Congenital malformations, deformations and chromosomal abnormalities	24.4%
Pneumonia	4.6%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, SABAH, 2023



0-14 YEARS
(488 deaths)

Pneumonia	4.9%
Transport accidents	2.7%
Meningitis	2.0%



15-40 YEARS
(910 deaths)

Transport accidents	11.9%
Pneumonia	8.1%
Cerebrovascular diseases	4.4%



41-59 YEARS
(2,049 deaths)

Ischaemic heart diseases	10.2%
Pneumonia	8.2%
Cerebrovascular diseases	7.3%



60 YEARS AND OVER
(4,562 deaths)

Pneumonia	19.0%
Ischaemic heart diseases	8.6%
Cerebrovascular diseases	7.4%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, SABAH, 2023

Age group	Pneumonia	Ischaemic heart diseases	Cerebrovascular diseases	Hypertensive diseases	Chronic lower respiratory diseases
Total	**1,134**	**635**	**530**	**200**	**188**
0	8 (0.7%)	-	-	-	1 (0.5%)
1-4	9 (0.8%)	-	-	-	1 (0.5%)
5-9	4 (0.4%)	-	-	-	-
10-14	3 (0.3%)	-	-	-	-
15-19	7 (0.6%)	1 (0.2%)	2 (0.4%)	-	2 (1.1%)
20-24	12 (1.1%)	3 (0.5%)	2 (0.4%)	-	3 (1.6%)
25-29	11 (1.0%)	3 (0.5%)	1 (0.2%)	1 (0.5%)	2 (1.1%)
30-34	19 (1.7%)	11 (1.7%)	9 (1.7%)	3 (1.5%)	1 (0.5%)
35-39	21 (1.9%)	12 (1.9%)	23 (4.3%)	7 (3.5%)	3 (1.6%)
40-44	26 (2.3%)	38 (6.0%)	24 (4.5%)	14 (7.0%)	3 (1.6%)
45-49	34 (3.0%)	45 (7.1%)	45 (8.5%)	15 (7.5%)	4 (2.1%)
50-54	43 (3.8%)	61 (9.6%)	39 (7.4%)	22 (11.0%)	9 (4.8%)
55-59	68 (6.0%)	70 (11.0%)	45 (8.5%)	13 (6.5%)	8 (4.3%)
60-64	106 (9.3%)	87 (13.7%)	49 (9.2%)	32 (16.0%)	17 (9.0%)
65-69	147 (13.0%)	100 (15.7%)	65 (12.3%)	23 (11.5%)	26 (13.8%)
70-74	147 (13.0%)	70 (11.0%)	69 (13.0%)	27 (13.5%)	27 (14.4%)
75-79	135 (11.9%)	56 (8.8%)	44 (8.3%)	16 (8.0%)	27 (14.4%)
80-84	166 (14.6%)	47 (7.4%)	59 (11.1%)	10 (5.0%)	23 (12.2%)
85 and over	168(14.8%)	31 (4.9%)	54 (10.2%)	17 (8.5%)	31 (16.5%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, SABAH



ADMINISTRATIVE DISTRICT	2023		2022	
Tawau	Pneumonia	70 (13.2%)	Pneumonia	72 (10.5%)
Lahad Datu	Pneumonia	42 (13.2%)	Pneumonia	41 (13.9%)
Semporna	Pneumonia	37 (13.0%)	Cerebrovascular diseases	20 (9.4%)
Sandakan	Ischaemic heart diseases	158 (17.6%)	Pneumonia	124 (15.9%)
Kinabatangan	Pneumonia	19 (18.4%)	Ischaemic heart diseases	11 (10.7%)
Beluran	Pneumonia	27 (20.5%)	Pneumonia	18 (15.8%)
Kota Kinabalu	Pneumonia	155 (15.3%)	Pneumonia	146 (12.1%)
Ranau	Pneumonia	49 (15.4%)	Pneumonia	41 (13.6%)
Kota Belud	Pneumonia	51 (13.1 %)	Pneumonia	60 (12.3%)
Tuaran	Pneumonia	78 (14.7%)	Pneumonia	87 (14.4%)
Penampang	Pneumonia	62 (15.5%)	Pneumonia	71 (14.9%)
Papar	Pneumonia	63 (12.7%)	Pneumonia	55 (12.2%)
Kudat	Pneumonia	41 (15.1%)	Pneumonia	41 (14.4%)
Kota Marudu	Pneumonia	29 (11.5%)	Pneumonia	36 (15.5%)
Pitas	Pneumonia	33 (17.7%)	Pneumonia	19 (13.8%)
Beaufort	Pneumonia	43 (12.8%)	Pneumonia	48 (12.0%)
Kuala Penyu	Pneumonia	31 (20.9%)	Pneumonia	21 (14.0%)
Sipitang	Pneumonia	14 (10.5%)	Pneumonia	16 (12.7%)
Tenom	Pneumonia	24 (12.7%)	Pneumonia	22 (11.7%)
Nabawan	Pneumonia	11 (13.8%)	Pneumonia	11 (16.2%)
Keningau	Pneumonia	51 (12.2%)	Hypertensive diseases	44 (9.2%)
Tambunan	Pneumonia	22 (15.0%)	Pneumonia	17 (9.5%)
Kunak	Pneumonia	12 (10.7%)	Ischaemic heart diseases	16 (14.3%)
Tongod	Cerebrovascular diseases	7 (10.0%)	Pneumonia	6 (13.6%)
Putatan	Pneumonia	22 (12.5%)	Pneumonia	24 (16.2%)
Telupid	Pneumonia	7 (20.6%)	Cerebrovascular diseases	4 (10.3%)
Kalabakan	Malignant neoplasm of breast	3 (8.1%)	Ischaemic heart diseases	3 (9.7%)

Note: The analysis is based on medically certified deaths

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NUMBER OF DEATHS, SARAWAK, 2023

SARAWAK

9,211 (57.0%) deaths

16,158 deaths

6,947 (43.0%) deaths

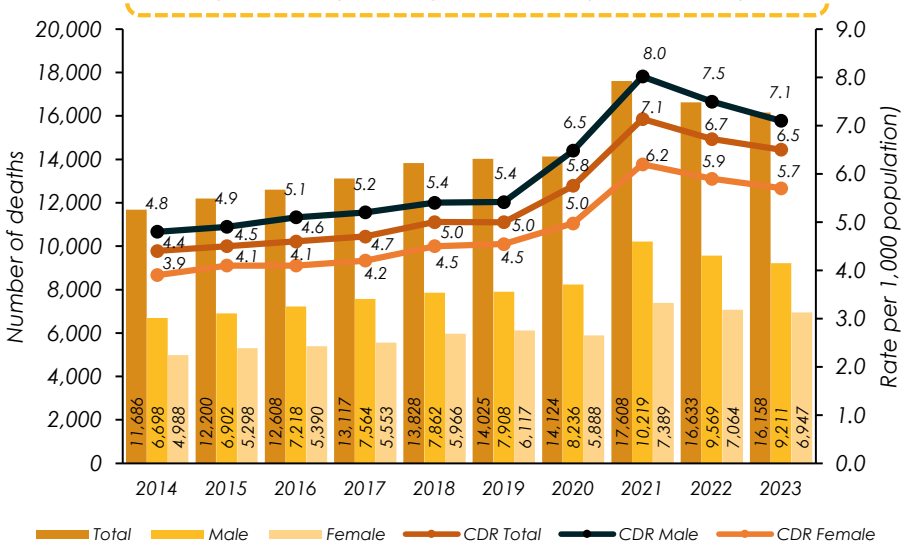
AVERAGE

2 deaths per hour

44 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), SARAWAK, 2014-2023

*The number of deaths in 2023 decreased **2.9 per cent** (475 deaths) as compared to 2022 (16,633 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Pneumonia was the principal causes of death in **Sarawak** in 2023

9.9%

Ischaemic heart diseases

9.9%

Pneumonia

10.8%

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium

16.7%

was the principal causes of death for maternal

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, SARAWAK, 2023

1 Diseases of the circulatory system

24.4%
25.4%

2 Neoplasms

19.8%
17.8%

3 Diseases of the respiratory system

17.1%
17.0%

4 Certain infectious and parasitic diseases

8.7%
7.2%

5 External causes of morbidity and mortality

6.3%
6.7%

Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, SARAWAK, 2023



Malay (1,453 deaths)

1	Ischaemic heart diseases	9.4%
2	Cerebrovascular diseases	8.7%
3	Pneumonia	7.4%
4	Malignant neoplasm of trachea, bronchus and lung	3.5%
5	Chronic lower respiratory diseases	3.3%



Other Bumiputera (3,839 deaths)

1	Pneumonia	10.3%
2	Ischaemic heart diseases	8.1%
3	Cerebrovascular diseases	6.8%
4	Chronic lower respiratory diseases	4.2%
5	Malignant neoplasm of trachea, bronchus and lung	3.2%



Chinese (2,412 deaths)

1	Pneumonia	10.9%
2	Ischaemic heart diseases	7.7%
3	Cerebrovascular diseases	6.6%
4	Malignant neoplasm of trachea, bronchus and lung	4.1%
5	Malignant neoplasm of colon, rectum and anus	3.7%



Indians (23 deaths)

1	Ischaemic heart diseases	21.7%
2	Hypertensive diseases	8.7%
3	Pneumonia	8.7%
4	Transport accidents	8.7%
5	Malignant neoplasm of stomach	4.3%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, SARAWAK, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	28.3%
Cardiovascular disorders originating in the perinatal period	8.7%
Bacterial sepsis of newborn	4.3%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	21.0%
Cardiovascular disorders originating in the perinatal period	10.5%
Bacterial sepsis of newborn	6.5%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	41.9%
Congenital malformations, deformations and chromosomal abnormalities	34.6%
Pneumonia	1.6%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	15.8%
Diseases of the liver	5.3%
Respiratory tuberculosis	2.6%

UNDER-5

Certain conditions originating in the perinatal period	34.9%
Congenital malformations, deformations and chromosomal abnormalities	31.4%
Pneumonia	1.7%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, SARAWAK, 2023



0-14 YEARS
(293 deaths)

Pneumonia	2.0%
Chronic lower respiratory diseases	1.4%
Leukaemia	1.0%



15-40 YEARS
(795 deaths)

Transport accidents	10.4%
Pneumonia	5.2%
Ischaemic heart diseases	5.0%



41-59 YEARS
(1,890 deaths)

Ischaemic heart diseases	9.7%
Cerebrovascular diseases	6.6%
Pneumonia	6.1%



60 YEARS AND OVER
(4,808 deaths)

Pneumonia	12.7%
Ischaemic heart diseases	8.7%

Note: No causes of death classified in ranking 3 because the compilation of the principal causes of death presented excludes unknown causes of death and unspecific causes of death.

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, SARAWAK, 2023

Age group	Pneumonia	Ischaemic heart diseases	Cerebrovascular diseases	Malignant neoplasm of trachea, bronchus and lung	Chronic lower respiratory diseases
Total	**773**	**640**	**552**	**272**	**249**
0	3 (0.4%)	-	-	-	3 (1.2%)
1-4	1 (0.1%)	-	-	-	1 (0.4%)
5-9	1 (0.1%)	-	-	-	-
10-14	1 (0.1%)	-	-	-	-
15-19	2 (0.3%)	-	-	-	-
20-24	4 (0.5%)	4 (0.6%)	1 (0.2%)	-	-
25-29	7 (0.9%)	4 (0.6%)	3 (0.5%)	-	4 (1.6%)
30-34	9 (1.2%)	11 (1.7%)	8 (1.4%)	4 (1.5%)	3 (1.2%)
35-39	17 (2.2%)	14 (2.2%)	19 (3.4%)	5 (1.8%)	3 (1.2%)
40-44	14 (1.8%)	29 (4.5%)	23 (4.2%)	9 (3.3%)	1 (0.4%)
45-49	31 (4.0%)	42 (6.6%)	25 (4.5%)	17 (6.3%)	8 (3.2%)
50-54	36 (4.7%)	55 (8.6%)	41 (7.4%)	29 (10.7%)	8 (3.2%)
55-59	37 (4.8%)	64 (10.0%)	45 (8.2%)	35 (12.9%)	9 (3.6%)
60-64	58 (7.5%)	73 (11.4%)	46 (8.3%)	32 (11.8%)	19 (7.6%)
65-69	80 (10.3%)	87 (13.6%)	70 (12.7%)	39 (14.3%)	40 (16.1%)
70-74	109 (14.1%)	86 (13.4%)	62 (11.2%)	36 (13.2%)	35 (14.1%)
75-79	114 (14.7%)	71 (11.1%)	76 (13.8%)	36 (13.2%)	42 (16.9%)
80-84	100 (12.9%)	56 (8.8%)	60 (10.9%)	22 (8.1%)	34 (13.7%)
85 and over	149 (19.3%)	44 (6.9%)	73 (13.2%)	8 (2.9%)	39 (15.7%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, SARAWAK

ADMINISTRATIVE DISTRICT	2023		2022	
Kuching	Ischaemic heart diseases	159 (9.9%)	Ischaemic heart diseases	180 (10.7%)
Bau	Pneumonia	19 (10.1%)	Pneumonia	19 (9.5%)
Lundu	Pneumonia	10 (10.3%)	Cerebrovascular diseases	16 (12.5%)
Samarahan	Cerebrovascular diseases	10 (6.8%)	Ischaemic heart diseases	20 (11.5%)
Serian	Ischaemic heart diseases	38 (10.4%)	Ischaemic heart diseases	39 (10.8%)
Simunjan	Cerebrovascular diseases	12 (9.9%)	Pneumonia	17 (12.6%)
Sri Aman	Pneumonia	19 (12.5%)	Pneumonia	20 (10.5%)
Lubok Antu	Ischaemic heart diseases	9 (11.1%)	Ischaemic heart diseases	9 (11.8%)
Betong	Cerebrovascular diseases	18 (11.6%)	Cerebrovascular diseases	26 (11.6%)
Saratok	Cerebrovascular diseases	14 (13.2%)	Pneumonia	10 (11.5%)
Sarikei	Pneumonia	24 (10.3%)	Cerebrovascular diseases	18 (10.1%)
Maradong	Pneumonia	16 (14.8%)	Pneumonia	12 (10.4%)
Daro	Pneumonia	4 (10.8%)	Cerebrovascular diseases	8 (13.8%)
Julau	Pneumonia	6 (10.5%)	Cerebrovascular diseases	6 (10.3%)
Sibu	Pneumonia	103 (9.0%)	Pneumonia	97 (10.8%)
Dalat	Hypertensive diseases	6 (7.3%)	Cerebrovascular diseases	9 (10.6%)
Mukah	Ischaemic heart diseases	14 (10.2%)	Pneumonia	22 (14.0%)
Kanowit	Pneumonia	15 (9.3%)	Pneumonia	27 (16.3%)
Bintulu	Ischaemic heart diseases	27 (10.2%)	Pneumonia	34 (11.3%)
Tatau	Ischaemic heart diseases	7 (10.4%)	Pneumonia	7 (9.7%)
Kapit	Ischaemic heart diseases	12 (8.6%)	Pneumonia	14 (9.9%)
Song	Pneumonia	8 (12.5%)	Ischaemic heart diseases	5 (12.5%)
Belaga	Cerebrovascular diseases	9 (13.8%)	Malignant neoplasm of trachea, bronchus and lung	4 (10.5%)
Miri	Pneumonia	114 (15.7%)	Pneumonia	101 (12.5%)
Marudi	Pneumonia	18 (17.8%)	Pneumonia	11 (12.6%)
Limbang	Cerebrovascular diseases	34 (12.8%)	Pneumonia	15 (9.1%)
Lawas	Pneumonia	14 (10.0%)	Pneumonia	17 (10.3%)
Matu	Cerebrovascular diseases	5 (11.6%)	Cerebrovascular diseases	7 (14.3%)
Asajaya	Ischaemic heart diseases	9 (10.8%)	Hypertensive diseases	7 (8.2%)
Pakan	Pneumonia	10 (18.9%)	Chronic lower respiratory diseases	7 (15.2%)
Selangau	Cerebrovascular diseases	6 (8.2%)	Pneumonia	11 (14.7%)
Tebedu	Pneumonia	8 (9.9%)	Pneumonia	7 (9.5%)
Pusa	Ischaemic heart diseases	10 (10.4%)	Ischaemic heart diseases	15 (14.0%)
Kabong	Cerebrovascular diseases	9 (10.8%)	Chronic lower respiratory diseases	10 (13.5%)
Tanjung Manis	Ischaemic heart diseases	2 (10.5%)	Ischaemic heart diseases	5 (20.0%)
Sebauh	Cerebrovascular diseases	10 (13.5%)	Cerebrovascular diseases	8 (10.1%)
Bukit Mabong	Pneumonia	6 (10.5%)	Pneumonia	11 (19.3%)
Subis	Pneumonia	30 (18.3%)	Pneumonia	19 (12.3%)
Beluru	Pneumonia	17 (19.3%)	Pneumonia	13 (13.7%)
Telang Usan	Pneumonia	14 (23.0%)	Pneumonia	11 (17.5%)

Note: The analysis is based on medically certified deaths

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, SELANGOR, 2023

SELANGOR

19,029 (58.3%) deaths

32,646 deaths

13,617 (41.7%) deaths

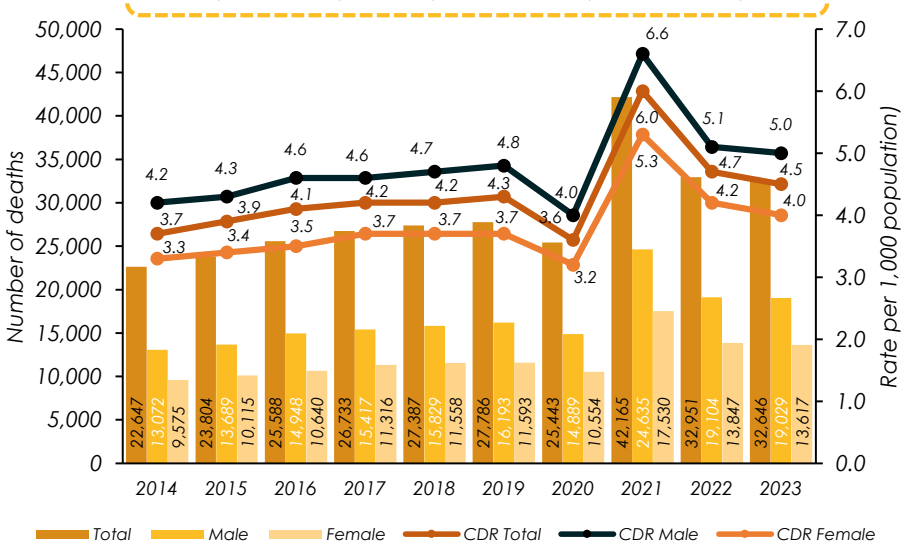
AVERAGE

4 deaths per hour

89 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), SELANGOR, 2014-2023

*The number of deaths in 2023 decreased **0.9 per cent** (305 deaths) as compared to 2022 (32,951 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases was the principal causes of death in **Selangor** in 2023

15.2%

Ischaemic heart diseases **18.2%**

Pneumonia **16.4%**

Obstetric embolism was the principal causes of death for maternal

26.7%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, SELANGOR, 2023

1 Diseases of the circulatory system

27.8%
29.4%

2 Diseases of the respiratory system

20.1%
16.5%

3 Neoplasms

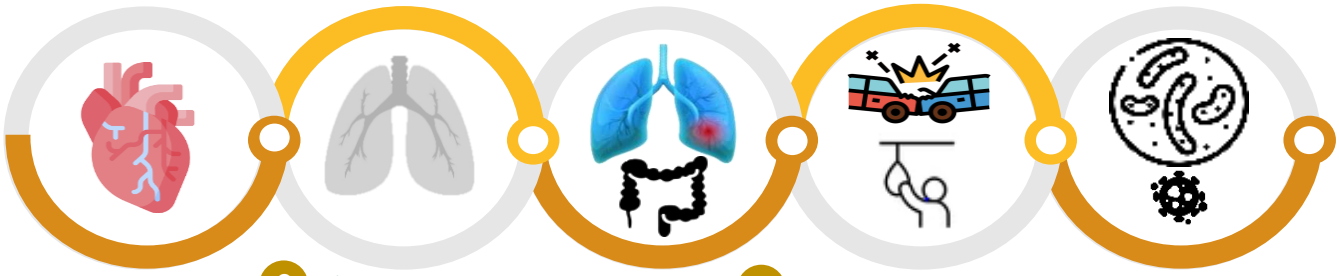
14.9%
14.9%

4 External causes of morbidity and mortality

8.0%
7.0%

5 Certain infectious and parasitic diseases

7.9%
7.6%



Notes
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, SELANGOR, 2023



Malay (9,643 deaths)

1	Pneumonia	14.8%
2	Ischaemic heart diseases	14.3%
3	Cerebrovascular diseases	6.4%
4	Transport accidents	4.9%
5	Malignant neoplasm of breast	1.7%



Other Bumiputera (277 deaths)

1	Ischaemic heart diseases	13.4%
2	Transport accidents	10.1%
3	Pneumonia	9.7%
4	Cerebrovascular diseases	7.6%
5	Diseases of the liver	1.8%



Chinese (5,859 deaths)

1	Pneumonia	16.6%
2	Ischaemic heart diseases	14.2%
3	Cerebrovascular diseases	6.7%
4	Malignant neoplasm of trachea, bronchus and lung	3.1%
5	Malignant neoplasm of colon, rectum and anus	3.0%



Indians (3,589 deaths)

1	Ischaemic heart diseases	20.4%
2	Pneumonia	14.5%
3	Cerebrovascular diseases	5.4%
4	Transport accidents	4.6%
5	Diseases of the liver	2.6%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, SELANGOR, 2023

PERINATAL (< 7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	18.6%
Bacterial sepsis of newborn	7.4%
Edward's syndrome and Patau's syndrome	7.0%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	14.1%
Bacterial sepsis of newborn	9.7%
Cardiovascular disorders originating in the perinatal period	5.9%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	43.5%
Congenital malformations, deformations and chromosomal abnormalities	29.0%
Cerebrovascular diseases	0.9%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	13.5%
Pneumonia	5.8%
Transport accidents	4.8%

UNDER-5

Certain conditions originating in the perinatal period	36.3%
Congenital malformations, deformations and chromosomal abnormalities	26.5%
Pneumonia	1.7%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, SELANGOR, 2023



0-14 YEARS
(794 deaths)

Transport accidents	3.0%
Pneumonia	2.4%
Leukaemia	1.5%



15-40 YEARS
(2,211 deaths)

Transport accidents	21.2%
Ischaemic heart diseases	9.8%
Intentional self-harm	9.2%



41-59 YEARS
(5,183 deaths)

Ischaemic heart diseases	22.1%
Pneumonia	9.3%
Cerebrovascular diseases	7.2%



60 YEARS AND OVER
(12,046 deaths)

Pneumonia	20.4%
Ischaemic heart diseases	14.2%
Cerebrovascular diseases	6.8%

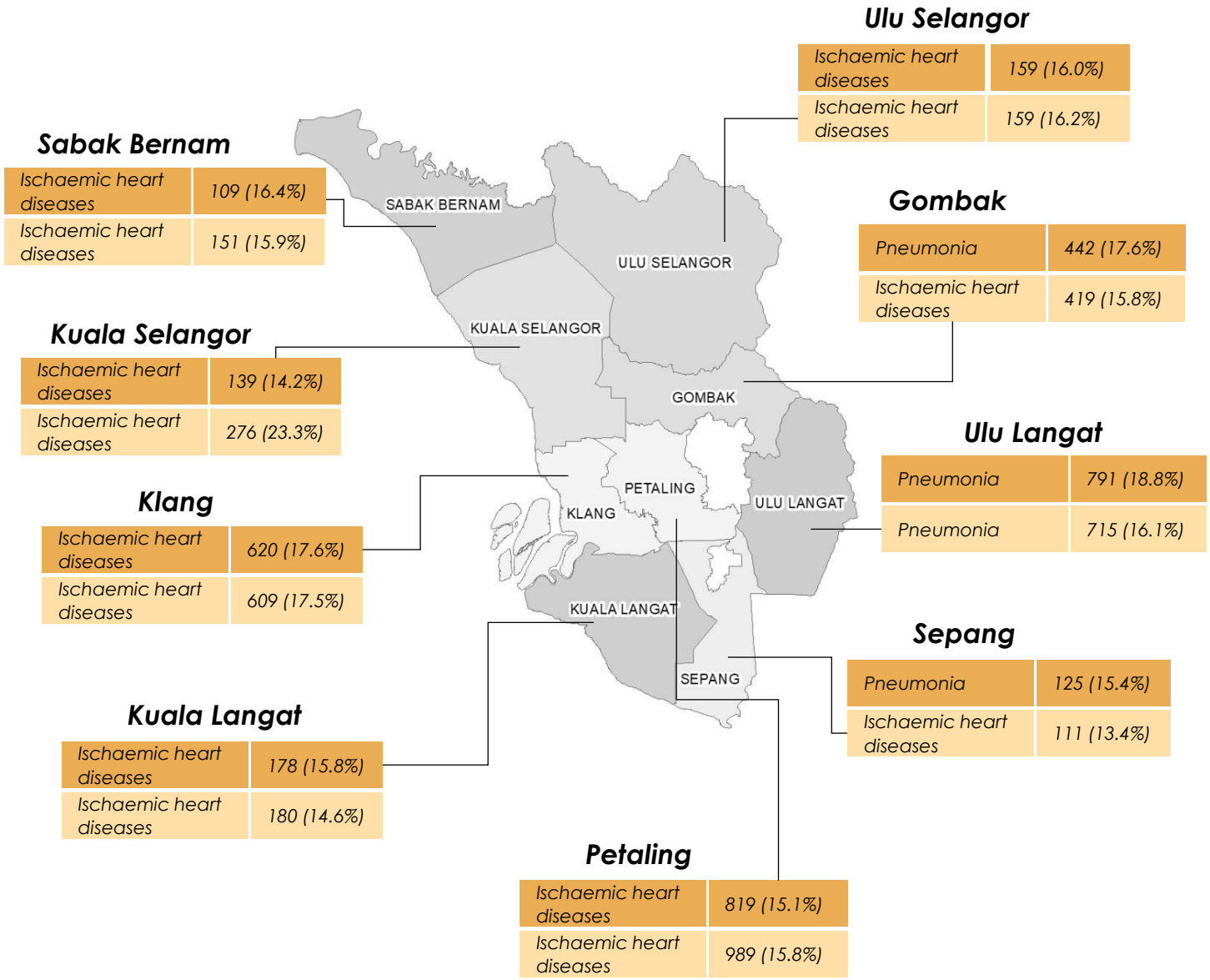
Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, SELANGOR, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Malignant neoplasm of trachea, bronchus and lung
Total	**3,076**	**3,072**	**1,283**	**775**	**390**
0	-	5 (0.2%)	-	1 (0.1%)	-
1-4	-	6 (0.2%)	-	5 (0.6%)	-
5-9	-	1 (0.0%)	-	5 (0.6%)	-
10-14	-	7 (0.2%)	2 (0.2%)	13 (1.7%)	-
15-19	3 (0.1%)	10 (0.3%)	3 (0.2%)	109 (14.1%)	-
20-24	1 (0.0%)	14 (0.5%)	7 (0.5%)	124 (16.0%)	-
25-29	17 (0.6%)	17 (0.6%)	7 (0.5%)	92 (11.9%)	-
30-34	53 (1.7%)	28 (0.9%)	11 (0.9%)	74 (9.5%)	1 (0.3%)
35-39	117 (3.8%)	39 (1.3%)	46 (3.6%)	63 (8.1%)	1 (0.3%)
40-44	180 (5.9%)	68 (2.2%)	61 (4.8%)	50 (6.5%)	12 (3.1%)
45-49	272 (8.8%)	96 (3.1%)	89 (6.9%)	61 (7.9%)	23 (5.9%)
50-54	307 (10.0%)	128 (4.2%)	96 (7.5%)	36 (4.6%)	32 (8.2%)
55-59	412 (13.4%)	198 (6.4%)	132 (10.3%)	38 (4.9%)	57 (14.6%)
60-64	392 (12.7%)	271 (8.8%)	151 (11.8%)	28 (3.6%)	60 (15.4%)
65-69	386 (12.5%)	353 (11.5%)	162 (12.6%)	28 (3.6%)	77 (19.7%)
70-74	329 (10.7%)	430 (14.0%)	158 (12.3%)	25 (3.2%)	60 (15.4%)
75-79	262 (8.5%)	447 (14.6%)	136 (10.6%)	18 (2.3%)	35 (9.0%)
80-84	192 (6.2%)	444 (14.5%)	110 (8.6%)	4 (0.5%)	22 (5.6%)
85 and over	153 (5.0%)	510 (16.6%)	112 (8.73%)	1 (0.13%)	10 (2.6%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, SELANGOR



Ulu Selangor

Ischaemic heart diseases	159 (16.0%)
Ischaemic heart diseases	159 (16.2%)

Sabak Bernam

Ischaemic heart diseases	109 (16.4%)
Ischaemic heart diseases	151 (15.9%)

Gombak

Pneumonia	442 (17.6%)
Ischaemic heart diseases	419 (15.8%)

Kuala Selangor

Ischaemic heart diseases	139 (14.2%)
Ischaemic heart diseases	276 (23.3%)

Ulu Langat

Pneumonia	791 (18.8%)
Pneumonia	715 (16.1%)

Klang

Ischaemic heart diseases	620 (17.6%)
Ischaemic heart diseases	609 (17.5%)

Sepang

Pneumonia	125 (15.4%)
Ischaemic heart diseases	111 (13.4%)

Kuala Langat

Ischaemic heart diseases	178 (15.8%)
Ischaemic heart diseases	180 (14.6%)

Petaling

Ischaemic heart diseases	819 (15.1%)
Ischaemic heart diseases	989 (15.8%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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NUMBER OF DEATHS, TERENGGANU, 2023

TERENGGANU

4,441 (56.5%) deaths

7,857 deaths

3,416 (43.5%) deaths

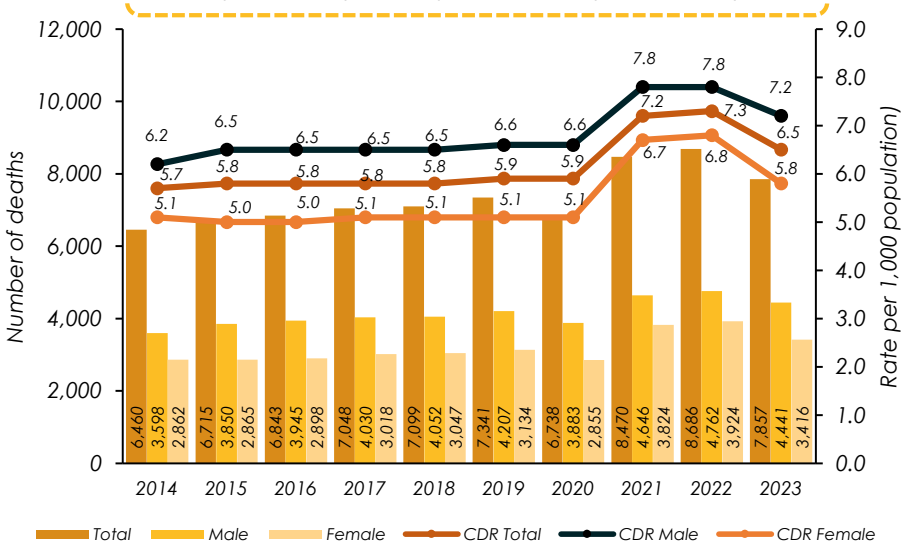
AVERAGE

1 deaths per hour

22 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), TERENGGANU, 2014-2023

*The number of deaths in 2023 decreased **9.5 per cent** (829 deaths) as compared to 2022 (8,686 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases was the principal causes of death in **Terengganu** in 2023

15.3%

Ischaemic heart diseases **18.7%**

Pneumonia **13.6%**

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium was the principal causes of death for maternal

33.3%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, TERENGGANU, 2023

1 Diseases of the circulatory system

33.0%
33.3%

2 Diseases of the respiratory system

18.1%
19.1%

3 Neoplasms

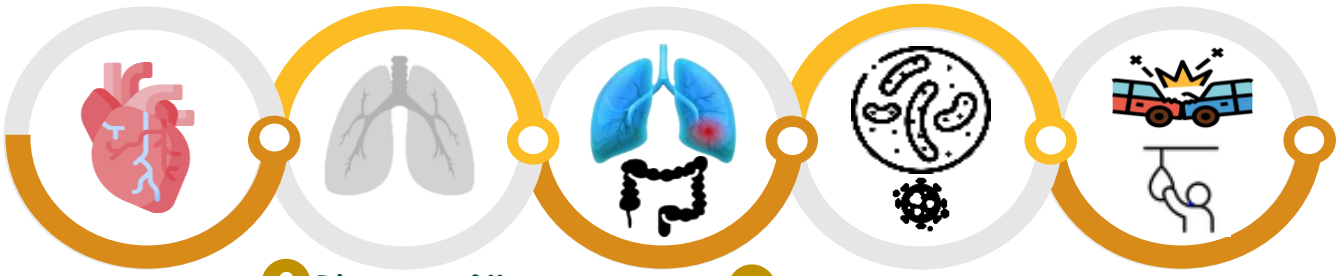
10.9%
9.7%

4 Certain infectious and parasitic diseases

7.4%
6.4%

5 External causes of morbidity and mortality

7.2%
5.5%



Notes
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, TERENGGANU, 2023



Malay (4,874 deaths)

1	Ischaemic heart diseases	15.0%
2	Pneumonia	13.6%
3	Cerebrovascular diseases	10.3%
4	Transport accidents	4.3%
5	Diabetes mellitus	4.0%



Other Bumiputera (12 deaths)

1	Ischaemic heart diseases	25.0%
2	Cerebrovascular diseases	16.7%
3	Pneumonia	16.7%

Note: No causes of death classified in ranking 4 to 5 because the compilation of the principal causes of death presented excludes unknown causes of death and unspecific causes of death.



Chinese (149 deaths)

1	Ischaemic heart diseases	20.8%
2	Pneumonia	15.4%
3	Cerebrovascular diseases	6.7%
4	Malignant neoplasm of trachea, bronchus and lung	4.0%
5	Malignant neoplasm of liver and intrahepatic bile ducts	3.4%



Indians (15 deaths)

1	Ischaemic heart diseases	33.3%
2	Pneumonia	13.3%
3	Malignant neoplasm of liver and intrahepatic bile ducts	6.7%
4	Malignant neoplasm of trachea, bronchus and lung	6.7%
5	Hypertensive diseases	6.7%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, TERENGGANU, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	20.6%
Intracranial nontraumatic haemorhage of fetus and newborn	15.9%
Edward's syndrome and Patau's syndrome	11.2%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	15.0%
Intracranial nontraumatic haemorhage of fetus and newborn	12.9%
Edward's syndrome and Patau's syndrome	8.8%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	53.6%
Congenital malformations, deformations and chromosomal abnormalities	31.8%
Diseases of the liver	1.0%

TODDLERS 1-4 YEARS

Transport accidents	15.0%
Congenital malformations, deformations and chromosomal abnormalities	10.0%
Diarrhoea and gastroenteritis of presume infectious	2.5%

UNDER-5

Certain conditions originating in the perinatal period	44.4%
Congenital malformations, deformations and chromosomal abnormalities	28.0%
Transport accidents	3.4%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, TERENGGANU, 2023



0-14 YEARS
(278 deaths)

Transport accidents	5.0%
Leukaemia	1.4%
Pneumonia	1.4%



15-40 YEARS
(527 deaths)

Transport accidents	23.5%
Ischaemic heart diseases	10.4%
Pneumonia	9.1%



41-59 YEARS
(1,236 deaths)

Ischaemic heart diseases	18.3%
Pneumonia	11.3%
Cerebrovascular diseases	9.6%



60 YEARS AND OVER
(3,046 deaths)

Pneumonia	16.4%
Ischaemic heart diseases	16.3%
Cerebrovascular diseases	12.2%

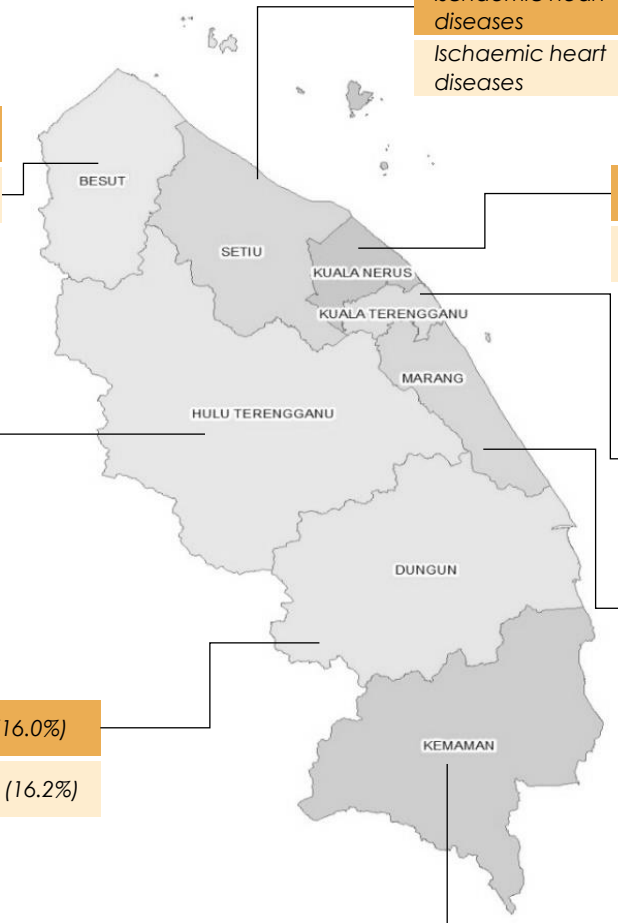
Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, TERENGGANU, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Transport accidents	Diabetes mellitus
Total	**776**	**692**	**514**	**214**	**197**
0	-	1 (0.1%)	-	2 (0.9%)	-
1-4	-	1 (0.1%)	-	6 (2.8%)	-
5-9	-	1 (0.1%)	-	-	-
10-14	-	1 (0.1%)	1 (0.2%)	6 (2.8%)	-
15-19	-	7 (1.0%)	-	39 (18.2%)	1 (0.5%)
20-24	2 (0.3%)	2 (0.3%)	-	39 (18.2%)	-
25-29	6 (0.8%)	8 (1.2%)	2 (0.4%)	11 (5.1%)	2 (1.0%)
30-34	12 (1.5%)	8 (1.2%)	4 (0.8%)	18 (8.4%)	2 (1.0%)
35-39	27 (3.5%)	21 (3.0%)	12 (2.3%)	17 (7.9%)	1 (0.5%)
40-44	31 (4.0%)	15 (2.2%)	14 (2.7%)	13 (6.1%)	2 (1.0%)
45-49	50 (6.4%)	32 (4.6%)	28 (5.4%)	11 (5.1%)	9 (4.6%)
50-54	59 (7.6%)	35 (5.1%)	31 (6.0%)	8 (3.7%)	15 (7.6%)
55-59	94 (12.1%)	60 (8.7%)	49 (9.5%)	9 (4.2%)	14 (7.1%)
60-64	127 (16.4%)	88 (12.7%)	60 (11.7%)	5 (2.3%)	22 (11.2%)
65-69	123 (15.9%)	93 (13.4%)	66 (12.8%)	9 (4.2%)	28 (14.2%)
70-74	83 (10.7%)	99 (14.3%)	66 (12.8%)	11 (5.1%)	36 (18.3%)
75-79	80 (10.3%)	103 (14.9%)	78 (15.2%)	5 (2.3%)	32 (16.2%)
80-84	46 (5.9%)	57 (8.2%)	63 (12.3%)	2 (0.9%)	17 (8.6%)
85 and over	36 (4.6%)	60 (8.7%)	40 (7.8%)	3 (1.4%)	16 (8.1%)

Note: The analysis is based on medically certified deaths

CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT, TERENGGANU



Setiu

Ischaemic heart diseases	46 (17.0%)
Ischaemic heart diseases	64 (18.4%)

Besut

Ischaemic heart diseases	94 (14.3%)
Ischaemic heart diseases	168 (17.6%)

Kuala Nerus

Pneumonia	54 (11.6%)
Pneumonia	97 (19.4%)

Kuala Terengganu

Ischaemic heart diseases	213 (15.7%)
Ischaemic heart diseases	254 (16.0%)

Hulu Terengganu

Ischaemic heart diseases	63 (15.6%)
Cerebrovascular diseases	81 (15.9%)

Marang

Ischaemic heart diseases	82 (13.8%)
Pneumonia	78 (12.6%)

Dungun

Pneumonia	91 (16.0%)
Pneumonia	135 (16.2%)

Kemaman

Ischaemic heart diseases	147 (19.1%)
Ischaemic heart diseases	154 (16.2%)

Notes

Causes of death 2023

Causes of death 2022

Note: The analysis is based on medically certified deaths

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STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

NUMBER OF DEATHS, W.P. KUALA LUMPUR, 2023

W.P KUALA LUMPUR

5,531 (57.3%) deaths

9,646 deaths

4,115 (42.7%) deaths

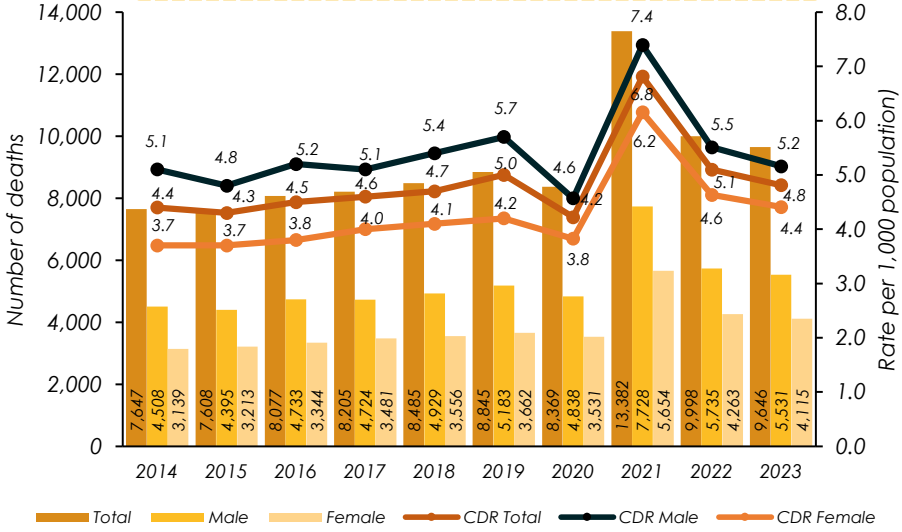
AVERAGE

1 deaths per hour

26 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), W.P. KUALA LUMPUR, 2014-2023

*The number of deaths in 2023 decreased **3.5 per cent** (352 deaths) as compared to 2022 (9,998 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases was the principal causes of death in **W.P. Kuala Lumpur** in 2023

16.3%

Ischaemic heart diseases

18.5%

Pneumonia

14.8%

Postpartum haemorrhage was the principal causes of death for maternal

25.0%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, W.P. KUALA LUMPUR, 2023

1 Diseases of the circulatory system

30.4%
30.7%

2 Diseases of the respiratory system

19.5%
16.2%

3 Neoplasms

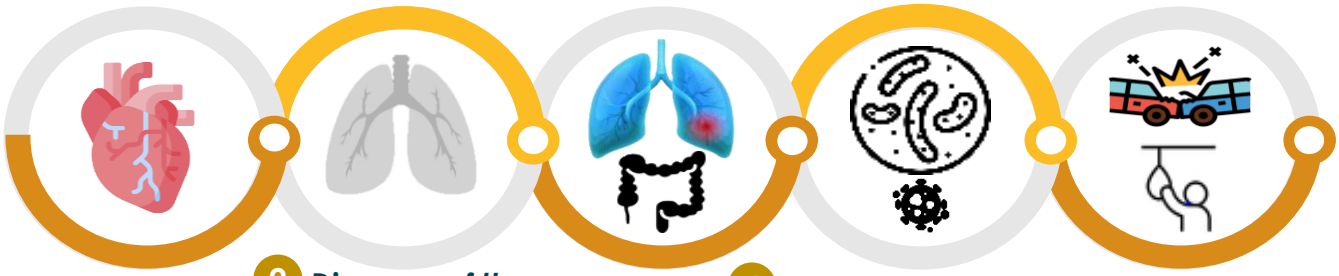
18.6%
16.6%

4 Certain infectious and parasitic diseases

6.3%
7.2%

5 External causes of morbidity and mortality

6.1%
6.4%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, W.P. KUALA LUMPUR, 2023



Malay (2,375 deaths)

1	Ischaemic heart diseases	16.0%
2	Pneumonia	13.5%
3	Cerebrovascular diseases	6.7%
4	Transport accidents	3.6%
5	Malignant neoplasm of trachea, bronchus and lung	2.3%



Other Bumiputera (53 deaths)

1	Ischaemic heart diseases	15.1%
2	Cerebrovascular diseases	9.4%
3	Pneumonia	9.4%
4	Malignant neoplasm of trachea, bronchus and lung	7.5%
5	Transport accidents	7.5%



Chinese (2,953 deaths)

1	Pneumonia	15.8%
2	Ischaemic heart diseases	14.1%
3	Cerebrovascular diseases	7.7%
4	Malignant neoplasm of colon, rectum and anus	3.3%
5	Malignant neoplasm of trachea, bronchus and lung	3.0%



Indians (1,023 deaths)

1	Ischaemic heart diseases	23.0%
2	Pneumonia	14.8%
3	Cerebrovascular diseases	5.4%
4	Diabetes mellitus	2.6%
5	Transport accidents	2.3%

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, W.P. KUALA LUMPUR, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	31.5%
Congenital malformations, deformations and chromosomal abnormalities	5.6%
Edward's syndrome and Patau's syndrome	5.6%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	25.7%
Bacterial sepsis of newborn	11.4%
Cardiovascular disorders originating in the perinatal period	5.7%

INFANT (<1 YEAR)

Congenital malformations, deformations and chromosomal abnormalities	40.2%
Certain conditions originating in the perinatal period	39.3%
Meningitis	1.9%

TODDLERS 1-4 YEARS

Congenital malformations, deformations and chromosomal abnormalities	13.8%
Meningococcal infection	3.4%
Malignant neoplasm of meninges, brain and other parts of central nervous system	3.4%

UNDER-5

Congenital malformations, deformations and chromosomal abnormalities	34.6%
Certain conditions originating in the perinatal period	30.9%
Meningitis	1.5%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, W.P. KUALA LUMPUR, 2023



0-14 YEARS
(174 deaths)

Malignant neoplasm of meninges, brain and other parts of central nervous system	3.4%
Transport accidents	2.3%
Intentional self-harm	2.3%



15-40 YEARS
(566 deaths)

Transport accidents	17.1%
Ischaemic heart diseases	11.5%
Intentional self-harm	9.7%



41-59 YEARS
(1,419 deaths)

Ischaemic heart diseases	20.9%
Pneumonia	9.0%
Cerebrovascular diseases	7.8%



60 YEARS AND OVER
(4,604 deaths)

Pneumonia	18.0%
Ischaemic heart diseases	16.0%
Cerebrovascular diseases	7.5%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, W.P. KUALA LUMPUR, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Malignant neoplasm of trachea, bronchus and lung	Malignant neoplasm of colon, rectum and anus
Total	**1,099**	**989**	**472**	**165**	**158**
0	-	-	-	-	-
1-4	-	1 (0.1%)	-	-	-
5-9	-	2 (0.2%)	-	-	-
10-14	-	-	1 (0.2%)	-	-
15-19	-	3 (0.3%)	-	-	-
20-24	6 (0.5%)	5 (0.5%)	-	-	-
25-29	4 (0.4%)	1 (0.1%)	-	2 (1.2%)	1 (0.6%)
30-34	10 (0.9%)	12 (1.2%)	5 (1.1%)	1 (0.6%)	3 (1.9%)
35-39	36 (3.3%)	8 (0.8%)	6 (1.3%)	1 (0.6%)	3 (1.9%)
40-44	46 (4.2%)	12 (1.2%)	15 (3.2%)	3 (1.8%)	7 (4.4%)
45-49	62 (5.6%)	37 (3.7%)	32 (6.8%)	9 (5.5%)	6 (3.8%)
50-54	81 (7.4%)	27 (2.7%)	22 (4.7%)	9 (5.5%)	12 (7.6%)
55-59	116 (10.6%)	54 (5.5%)	45 (9.5%)	11 (6.7%)	18 (11.4%)
60-64	131 (11.9%)	79 (8.0%)	55 (11.7%)	25 (15.2%)	18 (11.4%)
65-69	163 (14.8%)	104 (10.5%)	50 (10.6%)	28 (17.0%)	17 (10.8%)
70-74	134 (12.2%)	138 (14.0%)	57 (12.1%)	30 (18.2%)	29 (18.4%)
75-79	100 (9.1%)	141 (14.3%)	58 (12.3%)	28 (17.0%)	18 (11.4%)
80-84	106 (9.6%)	171 (17.3%)	60 (12.7%)	9 (5.5%)	12 (7.6%)
85 and over	104 (9.5%)	194 (19.6%)	66 (14.0%)	9 (5.5%)	14 (8.9%)

Note: The analysis is based on medically certified deaths

NUMBER OF DEATHS, W.P LABUAN, 2023



W.P. LABUAN



194 (58.3%)
deaths



333
deaths



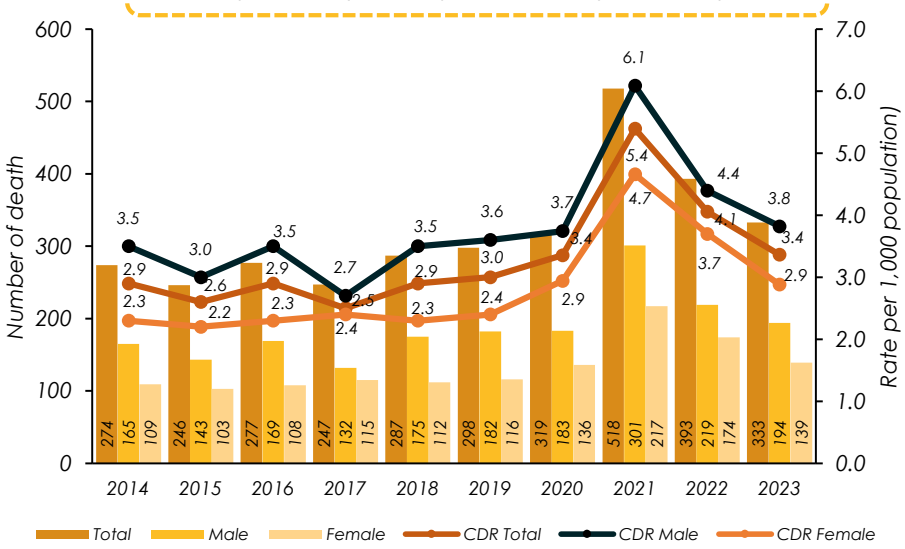
139 (41.7%)
deaths

AVERAGE

1 deaths per day

SIRI TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), W.P. LABUAN, 2014-2023

*The number of deaths in 2023 decreased **15.3 per cent** (60 deaths) as compared to 2022 (393 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]



Pneumonia was the principal causes of death in **W.P. Labuan** in 2023

13.6%



Pneumonia

15.3%



Cerebrovascular diseases

13.4%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, W.P. LABUAN, 2023

1 Diseases of the circulatory system

27.2%
38.1%

2 Diseases of the respiratory system

18.4%
17.8%

3 Neoplasms

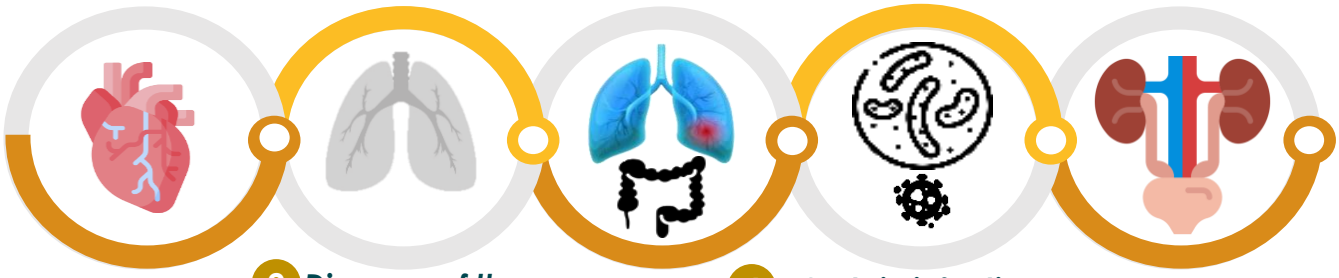
15.0%
12.6%

4 Certain infectious and parasitic diseases

10.2%
3.8%

5 Diseases of the digestive system

5.3%
4.9%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, W.P. LABUAN, 2023



Malay (84 deaths)

1	Pneumonia	10.7%
2	Ischaemic heart diseases	9.5%
3	Malignant neoplasm of colon, rectum and anus	6.0%
4	Cerebrovascular diseases	6.0%
5	Transport accidents	4.8%



Other Bumiputera (55 deaths)

1	Cerebrovascular diseases	14.5%
2	Ischaemic heart diseases	12.7%
3	Pneumonia	9.1%
4	Diarrhoea and gastroenteritis of presumed infectious origin	3.6%
5	Respiratory tuberculosis	3.6%



Chinese (49 deaths)

1	Pneumonia	18.4%
2	Ischaemic heart diseases	10.2%
3	Cerebrovascular diseases	8.2%
4	Malignant neoplasm of trachea, bronchus and lung	4.1%
5	Diseases of the liver	4.1%



Indians (1 deaths)

1	Pneumonia	100.0%

Note: No causes of death classified in ranking 2 to 5 for Indians.

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, W.P. LABUAN, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	42.9%
Congenital malformations of cardiac chambers and connections	14.3%
Interstitial emphysema and related conditions	14.3%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	37.5%
Congenital malformations of cardiac chambers and connections	12.5%
Interstitial emphysema and related conditions	12.5%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	77.8%
Whooping cough	11.1%
Congenital malformations, deformations and chromosomal abnormalities	11.1%

TODDLERS 1-4 YEARS

Diarrhoea and gastroenteritis of presumed infectious origin	33.3%
Malignant neoplasm of meninges, brain and other parts of central nervous system	33.3%
Pneumonia	33.3%

UNDER-5

Certain conditions originating in the perinatal period	58.3%
Diarrhoea and gastroenteritis of presumed infectious origin	8.3%
Whooping cough	8.3%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, W.P. LABUAN, 2023



0-14 YEARS
(14 deaths)

Diarrhoea and gastroenteritis of presumed infectious origin	7.1%
Whooping cough	7.1%
Malignant neoplasm of meninges, brain and other parts of central nervous system	7.1%



15-40 YEARS
(23 deaths)

Pneumonia	8.7%
Transport accidents	8.7%
Malignant neoplasm of colon, rectum and anus	4.3%



41-59 YEARS
(47 deaths)

Ischaemic heart diseases	17.0%
Cerebrovascular diseases	10.6%
Pneumonia	6.4%



60 YEARS AND OVER
(122 deaths)

Pneumonia	18.0%
Ischaemic heart diseases	9.8%
Cerebrovascular diseases	9.0%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, W.P. LABUAN, 2023

Age group	Pneumonia	Ischaemic heart diseases	Cerebrovascular diseases	Malignant neoplasm of colon, rectum and anus	Transport accidents
Total	**28**	**21**	**17**	**6**	**6**
0	-	-	-	-	-
1-4	1 (3.6%)	-	-	-	-
5-9	-	-	-	-	-
10-14	-	-	-	-	1 (16.7%)
15-19	-	-	-	-	1 (16.7%)
20-24	-	-	-	-	-
25-29	-	-	-	-	1 (16.7%)
30-34	-	1 (4.8%)	1 (5.9%)	-	-
35-39	1 (3.6%)	-	-	1 (16.7%)	-
40-44	2 (7.1%)	-	-	-	-
45-49	-	1 (4.8%)	1 (5.9%)	-	1 (16.7%)
50-54	-	3 (14.3%)	2 (11.8%)	-	-
55-59	2 (7.1%)	4 (19.0%)	2 (11.8%)	-	1 (16.7%)
60-64	5 (17.9%)	4 (19.0%)	1 (5.9%)	3 (50.0%)	-
65-69	2 (7.1%)	3 (14.3%)	2 (11.8%)	1 (16.7%)	1 (16.7%)
70-74	2 (7.1%)	2 (9.5%)	2 (11.8%)	-	-
75-79	6 (21.4%)	2 (9.5%)	3 (17.6%)	1 (16.7%)	-
80-84	4 (14.3%)	1 (4.8%)	1 (5.9%)	-	-
85 and over	3 (10.7%)	-	2 (11.8%)	-	-

Note: The analysis is based on medically certified deaths

NUMBER OF DEATHS, W.P PUTRAJAYA, 2023

W.P. PUTRAJAYA

165 (58.1%) deaths

284 deaths

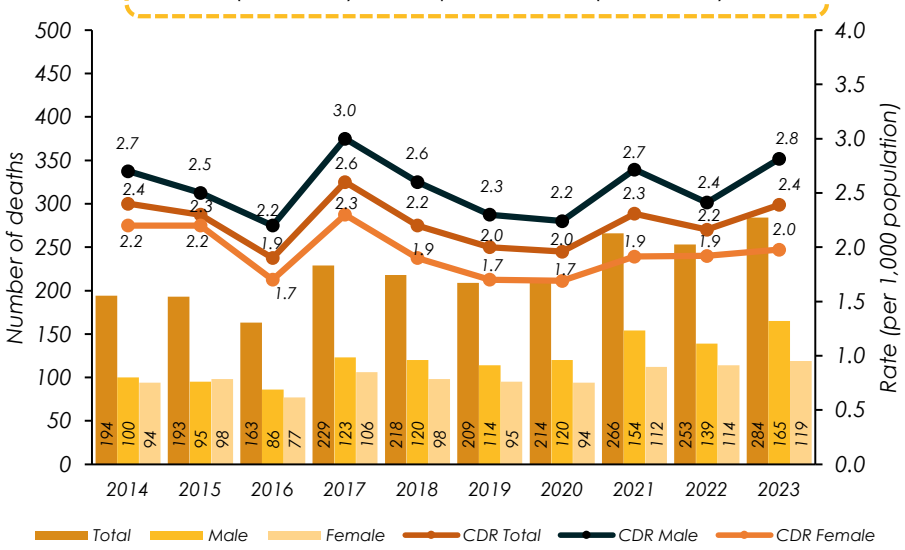
119 (41.9%) deaths

AVERAGE

1 deaths per day

TIME SERIES OF DEATH AND CRUDE DEATH RATE (CDR), W.P. PUTRAJAYA, 2014-2023

*The number of deaths in 2023 increased **12.3 per cent** (31 deaths) as compared to 2022 (253 deaths)*



THE PRINCIPAL CAUSES OF DEATH[1]

Ischaemic heart diseases was the principal causes of death in ***W.P. Putrajaya*** in 2023

16.0%

Ischaemic heart diseases **21.1%**

Pneumonia **12.7%**

Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium was the principal causes of death for maternal

33.3%

FIVE PRINCIPAL CAUSES OF DEATH[1] BY CHAPTER ICD-10, W.P. PUTRAJAYA, 2023

1 Diseases of the circulatory system

29.4%
28.3%

2 Neoplasms

22.1%
16.1%

3 Diseases of the respiratory system

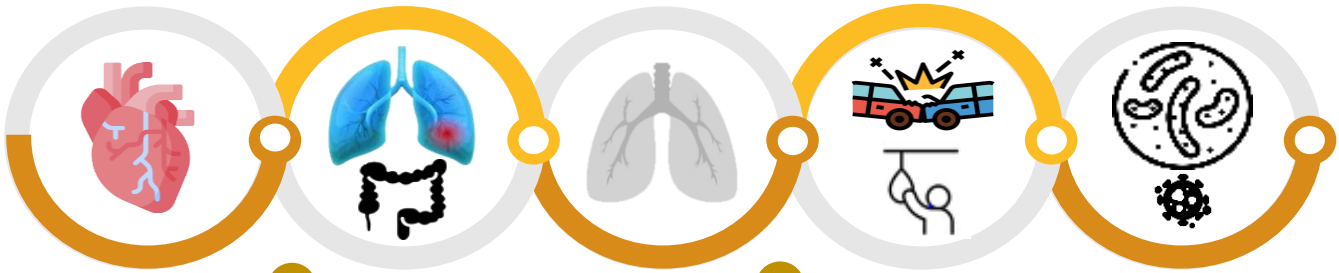
11.8%
14.8%

4 External causes of morbidity and mortality

9.2%
5.7%

5 Certain infectious and parasitic diseases

5.7%
7.4%



Notes:
2023
2022

Note: [1]The analysis is based on medically certified deaths

FIVE PRINCIPAL CAUSES OF DEATH BY ETHNIC GROUP, W.P. PUTRAJAYA, 2023



Malay (245 deaths)

1	Ischaemic heart diseases	15.9%
2	Pneumonia	7.8%
3	Cerebrovascular diseases	6.9%
4	Malignant neoplasm of colon, rectum and anus	5.7%
5	Transport accidents	3.7%



Other Bumiputera (5 deaths)

1	Transport accidents	60.0%
2	Ischaemic heart diseases	20.0%
3	Cerebrovascular diseases	20.0%

Note: No causes of death classified in ranking 4 to 5 for Others Bumiputera.



Chinese (7 deaths)

1	Malignant neoplasm of trachea, bronchus and lung	14.3%
2	Alzheimer disease	14.3%
3	Ischaemic heart diseases	14.3%

Note: No causes of death classified in ranking 4 to 5 because the compilation of the principal causes of death presented excludes unknown causes of death and unspecific causes of death.



Indians (5 deaths)

1	Pneumonia	40.0%
2	Ischaemic heart diseases	20.0%

Note: No causes of death classified in ranking 3 to 5 because the compilation of the principal causes of death presented excludes unknown causes of death and unspecific causes of death.

Note: The analysis is based on medically certified deaths

STATISTICS ON CAUSES OF DEATH, MALAYSIA, 2024

THREE PRINCIPAL CAUSES OF DEATH BY CATEGORY, W.P. PUTRAJAYA, 2023

PERINATAL (<7 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	50.0%
Congenital malformations of the musculoskeletal system, not elsewhere classified	16.7%
Congenital malformations of aortic and mitral valves	8.3%

NEONATAL (<28 DAYS)

Disorders related to short gestation and low birth weight, not elsewhere classified	37.5%
Congenital malformations of the musculoskeletal system, not elsewhere classified	12.5%
Congenital malformations of aortic and mitral valves	6.3%

INFANT (<1 YEAR)

Certain conditions originating in the perinatal period	45.8%
Congenital malformations, deformations and chromosomal abnormalities	20.8%
Measles	4.2%

TODDLERS 1-4 YEARS

Note: No causes of death classified in ranking 1 to 3 because the compilation of the principal causes of death presented excludes unknown causes of death and unspecific causes of death.

UNDER-5

Certain conditions originating in the perinatal period	40.7%
Congenital malformations, deformations and chromosomal abnormalities	18.5%
Measles	3.7%

THREE PRINCIPAL CAUSES OF DEATH BY AGE GROUP, W.P. PUTRAJAYA, 2023



0-14 YEARS
(32 deaths)

Measles	3.1%
Malignant neoplasm of meninges, brain and other parts of central nervous system	3.1%
Transport accidents	3.1%



15-40 YEARS
(27 deaths)

Transport accidents	25.9%
Pneumonia	11.1%
Hypertensive diseases	7.4%



41-59 YEARS
(68 deaths)

Ischaemic heart diseases	22.1%
Malignant neoplasm of colon, rectum and anus	11.8%
Cerebrovascular diseases	5.9%



60 YEARS AND OVER
(135 deaths)

Ischaemic heart diseases	20.0%
Pneumonia	11.1%
Cerebrovascular diseases	10.4%

Note: The analysis is based on medically certified deaths

SELECTED CAUSES OF MEDICALLY CERTIFIED DEATH BY AGE GROUP, W.P. PUTRAJAYA, 2023

Age group	Ischaemic heart diseases	Pneumonia	Cerebrovascular diseases	Malignant neoplasm of colon, rectum and anus	Transport accidents
Total	**42**	**21**	**18**	**14**	**12**
0	-	-	-	-	-
1-4	-	-	-	-	-
5-9	-	-	-	-	1 (8.3%)
10-14	-	-	-	-	-
15-19	-	-	-	-	2 (16.7%)
20-24	-	-	-	-	3 (25.0%)
25-29	-	1 (4.8%)	-	-	1 (8.3%)
30-34	-	1 (4.8%)	-	-	-
35-39	-	-	-	-	1 (8.3%)
40-44	2 (4.8%)	1 (4.8%)	3 (16.7%)	1 (7.1%)	1 (8.3%)
45-49	5 (11.9%)	2 (9.5%)	1 (5.6%)	1 (7.1%)	2 (16.7%)
50-54	2 (4.8%)	1 (4.8%)	-	4 (28.6%)	1 (8.3%)
55-59	6 (14.3%)	-	-	2 (14.3%)	-
60-64	4 (9.5%)	1 (4.8%)	5 (27.8%)	4 (28.6%)	-
65-69	8 (19.0%)	7 (33.3%)	2 (11.1%)	-	-
70-74	4 (9.5%)	1 (4.8%)	2 (11.1%)	1 (7.1%)	-
75-79	6 (14.3%)	4 (19.0%)	2 (11.1%)	1 (7.1%)	-
80-84	2 (4.8%)	1 (4.8%)	2 (11.1%)	-	-
85 and over	3 (7.1%)	1 (4.8%)	1 (5.6%)	-	-

Note: The analysis is based on medically certified deaths

RINGKASAN PENEMUAN

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1. PENGENALAN

Perangkaan Sebab Kematian, Malaysia, 2024 membentangkan statistik sebab kematian utama mengikut pengelasan bagi tahun 2023. Jabatan Perangkaan Malaysia (DOSM) menggunakan *International Statistical Classification of Diseases and Related Health Problems, 10th Revision* (ICD-10) yang diterbitkan oleh *World Health Organization* (2010) untuk mengklasifikasikan sebab kematian.

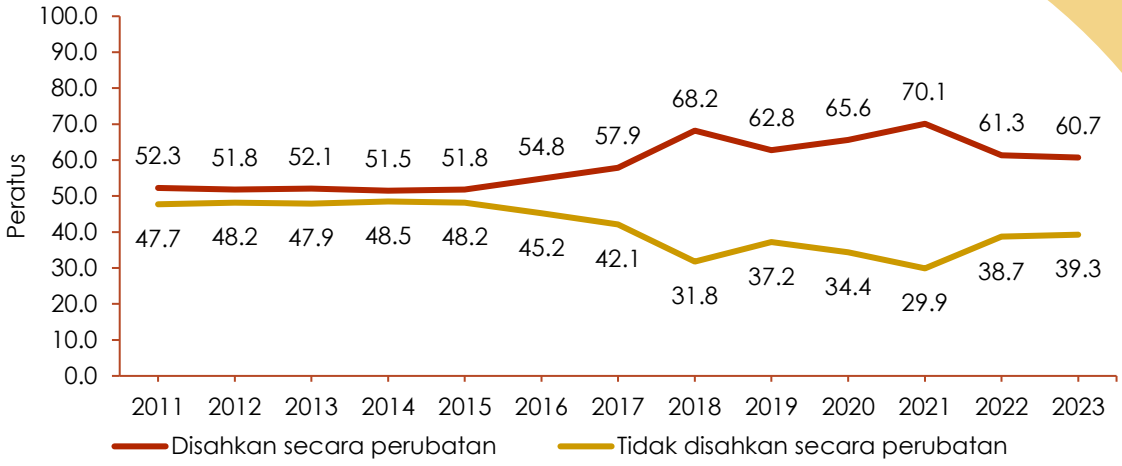
Statistik yang dilaporkan di dalam penerbitan ini merujuk kepada rekod kematian yang didaftarkan di Jabatan Pendaftaran Negara. Semua indikator demografi yang melibatkan data penduduk bagi tahun 2020 hingga 2023 telah disemak semula berasaskan data Banci Penduduk dan Perumahan Malaysia 2020. Manakala indikator bagi tahun 2011 hingga 2019 adalah berasaskan data Banci Penduduk dan Perumahan Malaysia 2010 dan akan disemak semula. Data kematian bagi tahun 2020 hingga 2022 telah dikemaskini berdasarkan laporan kes bunuh diri daripada Polis Diraja Malaysia.

Pengelasan terdiri daripada sebab kematian yang disahkan secara perubatan dan tidak disahkan secara perubatan seperti berikut:

a. **Disahkan secara perubatan**
   Pengesahan yang dibuat oleh pegawai perubatan dan koroner sahaja.
b. **Tidak disahkan secara perubatan**
   Pengesahan yang dibuat oleh pengesah yang tidak mempunyai kelayakan perubatan seperti orang perseorangan atau polis.

Mulai tahun 2018, Kementerian Kesihatan Malaysia telah melaksanakan verifikasi data sebab kematian yang tidak disahkan secara perubatan di Malaysia untuk meningkatkan peratusan sebab kematian yang disahkan secara perubatan. Hampir 61 peratus daripada 196,965 kematian merupakan kematian yang disahkan secara perubatan pada 2023 manakala 39.3 peratus adalah kematian yang tidak disahkan secara perubatan (Carta 1). Ringkasan penemuan ini membentangkan sebab kematian utama yang disahkan secara perubatan bagi 2023 di Malaysia.

Carta 1: Peratus sebab kematian disahkan secara perubatan dan tidak disahkan secara perubatan, Malaysia, 2011 hingga 2023



2. PENEMUAN UTAMA STATISTIK SEBAB KEMATIAN

a. Bilangan kematian pada 2023 menurun 4.7 peratus daripada 206,780 kematian (2022) kepada 196,965 kematian. Daripada jumlah tersebut, 60.7 peratus (119,652) adalah disahkan secara perubatan.

b. *Pneumonia* merupakan sebab kematian utama di Malaysia pada 2023 iaitu 18,181 kematian (15.2%). *Pneumonia* mengatasi *Ischaemic heart diseases* sebagai sebab kematian utama buat kali pertama dalam dua dekad, kecuali *COVID-19 infection (due to)* merupakan sebab kematian utama pada 2021.

c. *Ischaemic heart diseases* dan *Pneumonia* adalah sebab kematian utama bagi lelaki dan perempuan dengan masing-masing merekodkan 12,648 dan 7,815 kematian.

d. *Pneumonia* merupakan sebab kematian utama bagi etnik Cina dan Bumiputera Lain pada 2023 manakala etnik Melayu, etnik India dan Lain-lain merekodkan *Ischaemic heart diseases* sebagai sebab kematian utama.

e. Kumpulan umur 0-14 tahun dan 65 tahun dan lebih merekodkan *Transport accidents* dan *Pneumonia* sebagai sebab kematian utama manakala kumpulan umur 15-64 tahun merekodkan *Ischaemic heart diseases* sebagai sebab kematian utama.

f. Enam negeri iaitu Pahang, Perlis, Pulau Pinang, Sabah, Sarawak dan W.P. Labuan merekodkan *Pneumonia* sebagai sebab kematian utama manakala 10 negeri merekodkan *Ischaemic heart diseases* sebagai sebab kematian utama.

g. *Pneumonia* merupakan sebab kematian utama di 78 daerah pentadbiran dan peratusan tertinggi direkodkan di daerah Kubang Pasu, Kedah dengan 26.3 peratus.

3. KEMATIAN

Bilangan kematian menurun 4.7 peratus pada tahun 2023

Bilangan kematian pada 2023 menurun 4.7 peratus daripada 206,780 kematian (2022) kepada 196,965 kematian. Bilangan kematian bagi lelaki menurun 4.9 peratus daripada 118,018 kepada 112,293 kematian dan kematian perempuan menurun 4.6 peratus daripada 88,762 kepada 84,672 kematian. Kadar kematian kasar (CDR) menurun daripada 6.3 (2022) kepada 5.9 kematian bagi setiap seribu penduduk pada 2023.

Jadual 1: Bilangan kematian mengikut jantina, Malaysia, 2022 dan 2023

Tahun	Bilangan			Kadar (bagi setiap 1,000 penduduk)		
	Jumlah	Lelaki	Perempuan	Jumlah	Lelaki	Perempuan
2023	**196,965**	112,293	84,672	**5.9**	6.4	5.3
2022	**206,780**	118,018	88,762	**6.3**	6.9	5.7

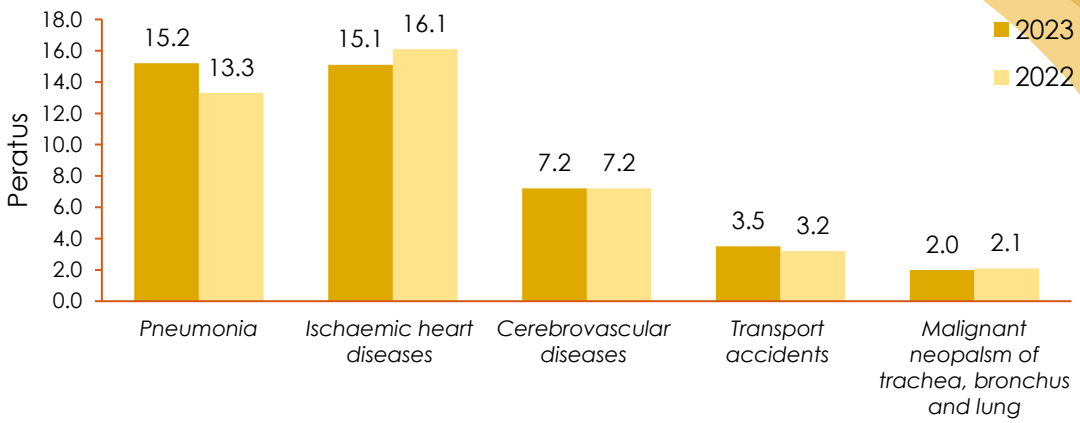
4. SEBAB KEMATIAN UTAMA

a. Lima sebab kematian utama

Pneumonia merupakan sebab kematian utama di Malaysia

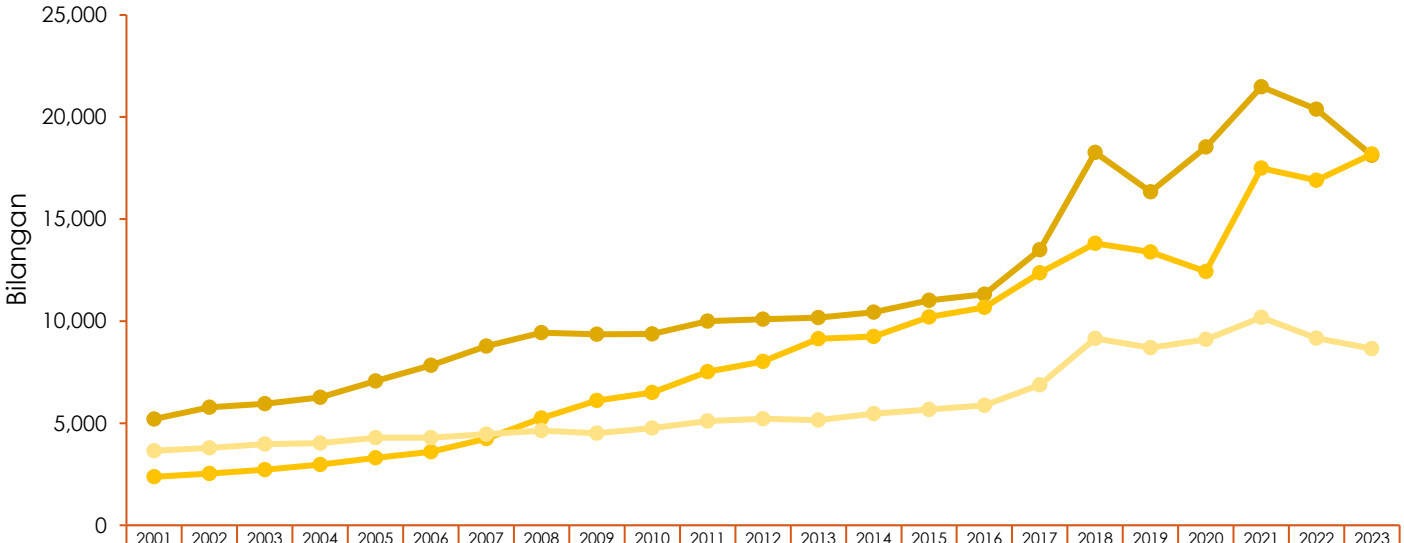
Pneumonia merupakan sebab kematian utama pada 2023, iaitu 18,181 (15.2%) daripada 119,652 sebab kematian yang disahkan secara perubatan. Ini diikuti *Ischaemic heart diseases* (15.1%), *Cerebrovascular diseases* (7.2%), *Transport accidents* (3.5%) dan *Malignant neoplasm of trachea, bronchus and lung* (2.0%) (Carta 2).

Carta 2: Lima sebab kematian utama, Malaysia, 2022 dan 2023



Bagi tempoh 2001 hingga 2023, *Pneumonia* meningkat daripada 2,374 kematian (5.3%) pada 2001 kepada 18,181 kematian (15.2%) pada 2023. *Ischaemic heart diseases* dan *Cerebrovascular diseases* turut meningkat masing-masing daripada 5,207 dan 3,651 pada 2001 kepada 18,121 dan 8,657 pada 2023.

Carta 3: Trend siri masa tiga sebab kematian utama terpilih, Malaysia, 2001-2023



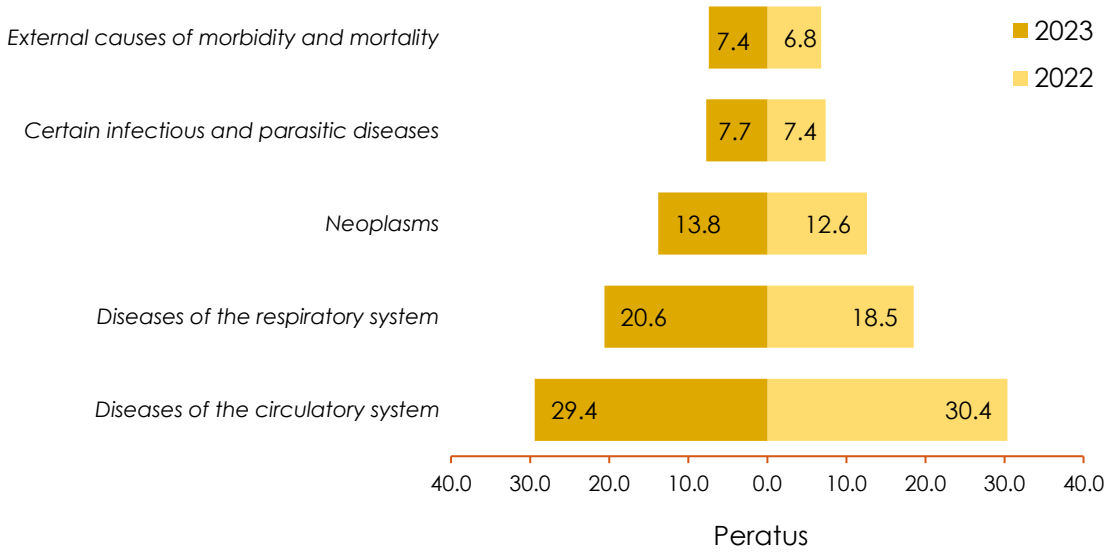
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Ischaemic heart diseases	5,207	5,774	5,957	6,267	7,074	7,836	8,776	9,435	9,361	9,371	10,004	10,091	10,169	10,432	11,018	11,310	13,503	18,267	16,336	18,525	21,482	20,382	18,121
Pneumonia	2,374	2,539	2,718	2,966	3,297	3,602	4,249	5,254	6,106	6,504	7,518	8,031	9,142	9,250	10,200	10,678	12,365	13,804	13,384	12,423	17,503	16,894	18,181
Cerebrovascular diseases	3,651	3,795	3,974	4,030	4,289	4,285	4,465	4,637	4,511	4,763	5,112	5,220	5,156	5,474	5,678	5,876	6,878	9,154	8,699	9,105	10,181	9,168	8,657

b. Lima sebab kematian utama mengikut Bab ICD-10

Diseases of the circulatory system kekal sebagai sebab kematian utama mengikut Bab ICD-10

Diseases of the circulatory system kekal sebagai sebab kematian utama mengikut Bab ICD-10 pada 2023 dengan 29.4 peratus diikuti *Diseases of the respiratory system* (20.6%), *Neoplasms* (13.8%), *Certain infectious and parasitic diseases* (7.7%) dan *External causes of morbidity and mortality* (7.4%).

Carta 4: Lima sebab kematian utama mengikut Bab ICD-10, Malaysia, 2022 dan 2023

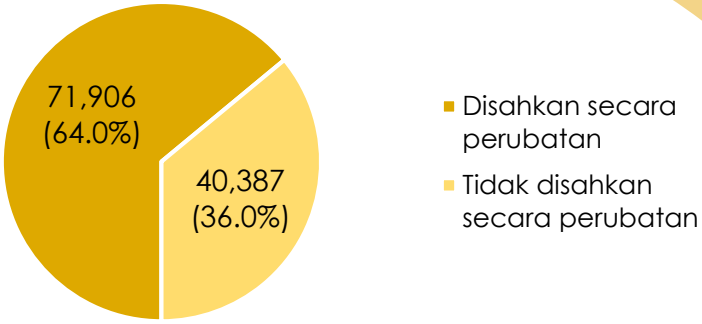


5. SEBAB KEMATIAN UTAMA MENGIKUT JANTINA

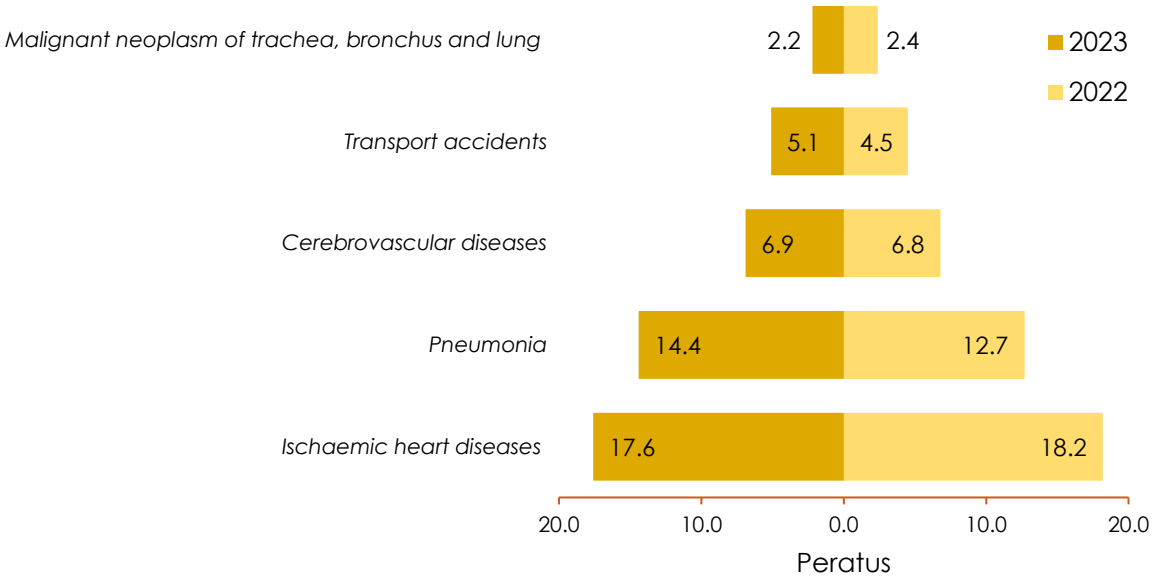
a. *Ischaemic heart diseases* merupakan sebab kematian utama bagi lelaki

Lelaki merekodkan bilangan kematian sebanyak 112,293 kematian pada 2023 iaitu 64.0 peratus (71,906) merupakan kematian yang disahkan secara perubatan manakala 36.0 peratus (40,387) adalah kematian yang tidak disahkan secara perubatan (Carta 5). *Ischaemic heart diseases* merupakan sebab kematian utama bagi lelaki dengan 17.6 peratus daripada 71,906 sebab kematian yang disahkan secara perubatan. Ini diikuti oleh *Pneumonia* (14.4%), *Cerebrovascular diseases* (6.9%), *Transport accidents* (5.1%) dan *Malignant neoplasm of trachea, bronchus and lung* (2.2%) (Carta 6).

Carta 5: Klasifikasi sebab kematian bagi lelaki, Malaysia, 2023



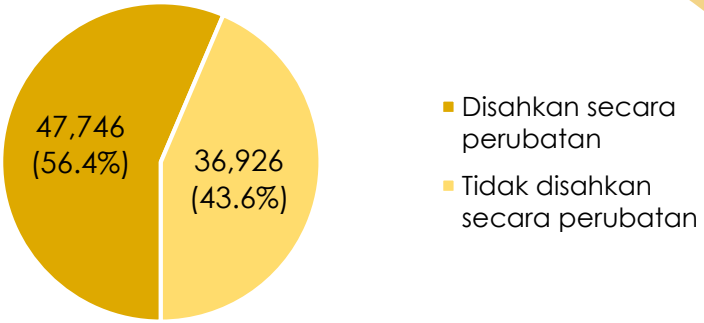
Carta 6: Lima sebab kematian utama bagi lelaki, Malaysia, 2022 dan 2023



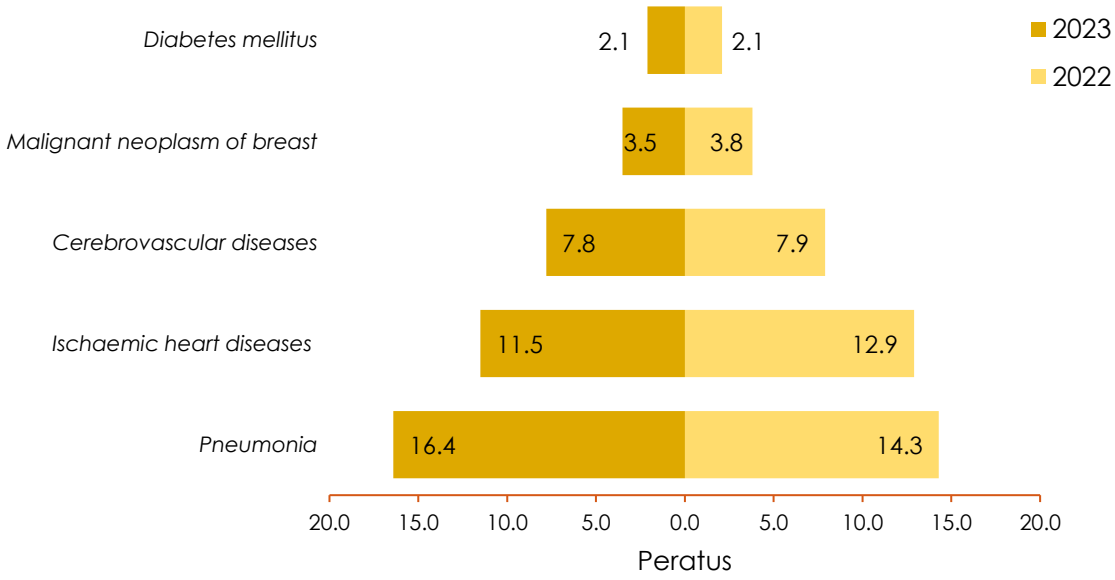
b. Pneumonia merupakan sebab kematian utama bagi perempuan

Perempuan merekodkan kematian sebanyak 84,672 kematian pada 2023 iaitu 56.4 peratus (47,746) merupakan kematian yang disahkan secara perubatan manakala 43.6 peratus (36,926) adalah kematian yang tidak disahkan secara perubatan (Carta 7). *Pneumonia* menjadi sebab kematian utama bagi perempuan dengan 16.4 peratus daripada 47,746 kematian yang disahkan secara perubatan. Ini diikuti oleh *Ischaemic heart diseases* (11.5%), *Cerebrovascular diseases* (7.8%), *Malignant neoplasm of breast* (3.5%) dan *Diabetes mellitus* (2.1%) (Carta 8).

Carta 7: Klasifikasi sebab kematian bagi perempuan, Malaysia, 2023



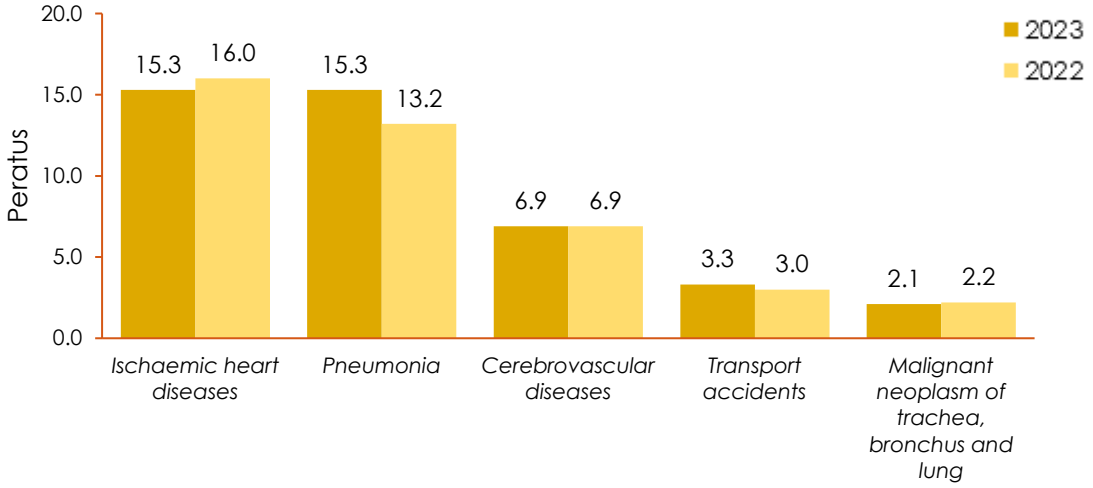
Carta 8: Lima sebab kematian utama bagi perempuan, Malaysia, 2022 dan 2023



6. SEBAB KEMATIAN UTAMA MENGIKUT STRATA

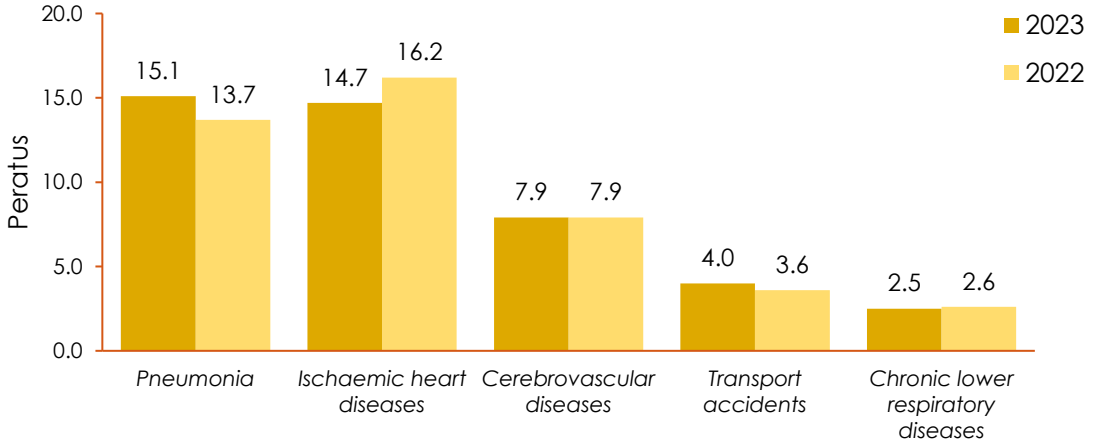
Ischaemic heart diseases merupakan sebab kematian utama di bandar pada 2023 iaitu 15.3 peratus daripada 81,389 kematian yang disahkan secara perubatan. Ini diikuti oleh *Pneumonia* (15.3%), *Cerebrovascular diseases* (6.9%), *Transport accidents* (3.3%) dan *Malignant neoplasm of trachea, bronchus and lung* (2.1%).

Carta 9: Lima sebab kematian utama mengikut strata (bandar), Malaysia, 2022 dan 2023



Bagi luar bandar, *Pneumonia* menjadi sebab kematian utama pada 2023 yang mencatatkan 15.1 peratus daripada 38,263 kematian yang disahkan secara perubatan. Ini diikuti oleh *Ischaemic heart diseases* (14.7%), *Cerebrovascular diseases* (7.9%), *Transport accidents* (4.0%) dan *Chronic lower respiratory diseases* (2.5%).

Carta 10: Lima sebab kematian utama mengikut strata (luar bandar), Malaysia, 2022 dan 2023

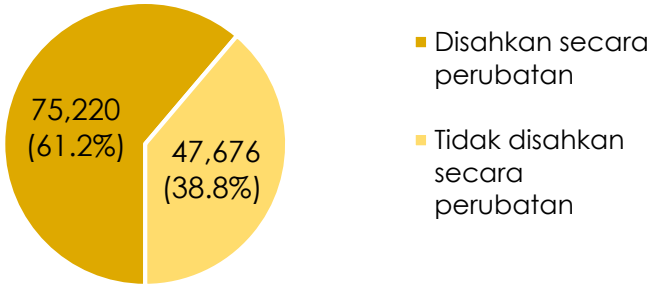


7. SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN ETNIK UTAMA

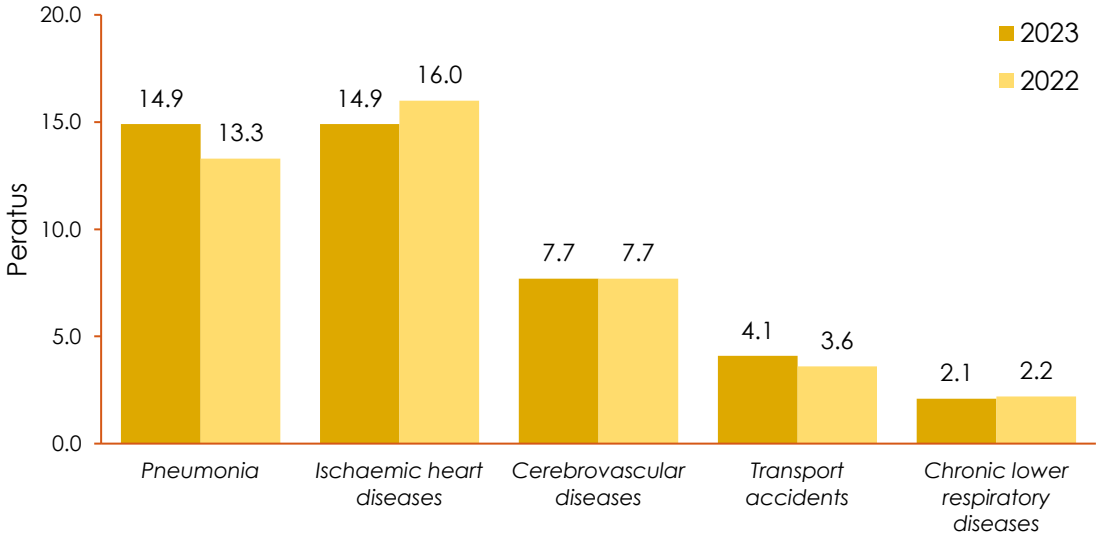
a. *Pneumonia* menjadi sebab kematian utama bagi Bumiputera

Bumiputera terdiri daripada etnik Melayu dan Bumiputera Lain. Bumiputera merekodkan kematian sebanyak 122,896 kematian yang mana 61.2 peratus (75,220) merupakan kematian yang disahkan secara perubatan manakala 38.8 peratus (47,676) adalah kematian yang tidak disahkan secara perubatan pada 2023. *Pneumonia* menjadi sebab kematian utama bagi Bumiputera iaitu 14.9 peratus daripada 75,220 sebab kematian yang disahkan secara perubatan. Ini diikuti *Ischaemic heart diseases* (14.9%), *Cerebrovascular diseases* (7.7%), *Transport accidents* (4.1%) dan *Chronic lower respiratory diseases* (2.1%).

Carta 11: Klasifikasi sebab kematian bagi Bumiputera, Malaysia, 2023



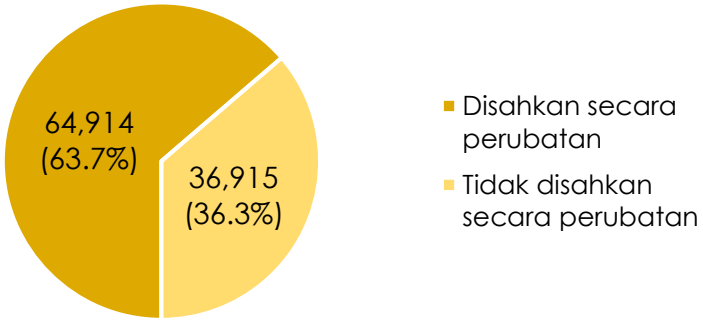
Carta 12: Lima sebab kematian utama bagi Bumiputera, Malaysia, 2022 dan 2023



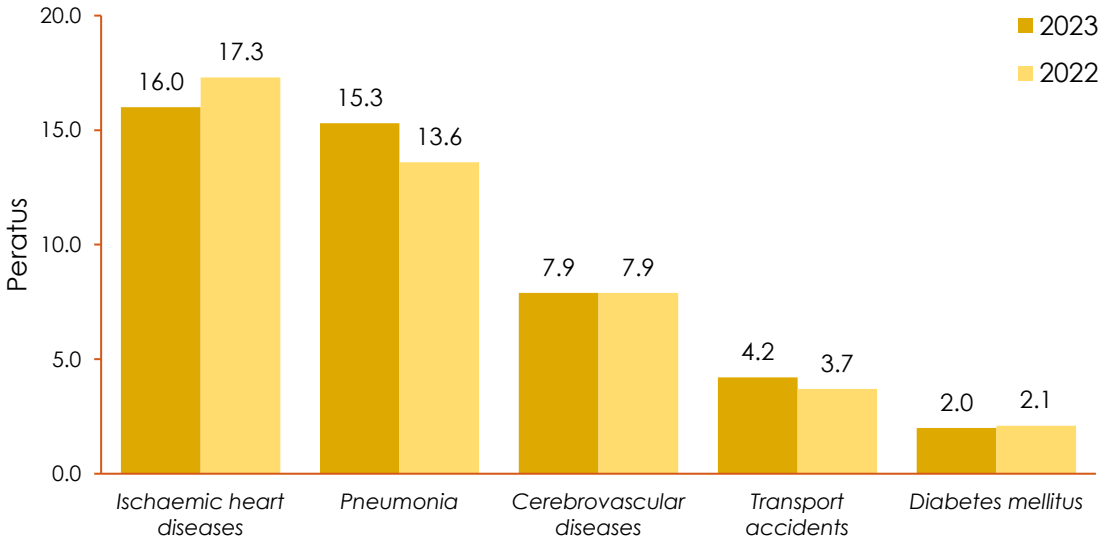
b. *Ischaemic heart diseases* merupakan sebab kematian utama bagi etnik Melayu

Etnik Melayu merekodkan kematian sebanyak 101,829 kematian yang mana 63.7 peratus (64,914) merupakan kematian yang disahkan secara perubatan manakala 36.3 peratus (36,915) adalah kematian yang tidak disahkan secara perubatan pada 2023. *Ischaemic heart diseases* merupakan sebab kematian utama bagi etnik Melayu iaitu 16.0 peratus daripada 64,914 sebab kematian yang disahkan secara perubatan. Ini diikuti *Pneumonia* (15.3%), *Cerebrovascular diseases* (7.9%), *Transport accidents* (4.2%) dan *Diabetes mellitus* (2.0%).

Carta 13: Klasifikasi sebab kematian bagi etnik Melayu, Malaysia, 2023



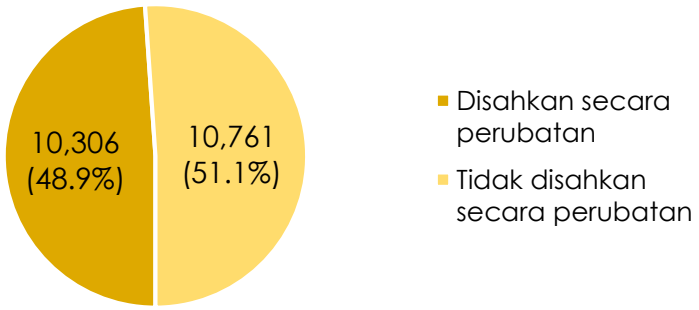
Carta 14: Lima sebab kematian utama bagi etnik Melayu, Malaysia, 2022 dan 2023



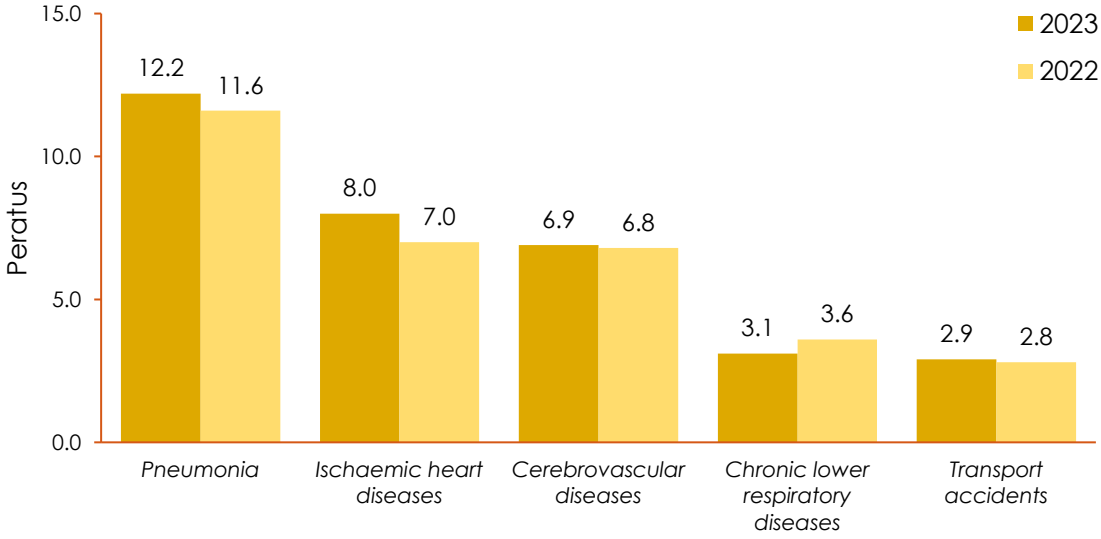
c. *Pneumonia* menjadi sebab kematian utama bagi Bumiputera Lain

Bumiputera Lain merekodkan kematian sebanyak 21,067 kematian iaitu 48.9 peratus (10,306) merupakan kematian yang disahkan secara perubatan manakala 51.1 peratus (10,761) adalah kematian yang tidak disahkan secara perubatan pada 2023. *Pneumonia* menjadi sebab kematian utama bagi Bumiputera Lain iaitu 12.2 peratus daripada 10,306 sebab kematian yang disahkan secara perubatan. Ini diikuti *Ischaemic heart diseases* (8.0%), *Cerebrovascular diseases* (6.9%), *Chronic lower respiratory diseases* (3.1%) dan *Transport accidents* (2.9%).

Carta 15: Klasifikasi sebab kematian bagi Bumiputera Lain, Malaysia, 2023



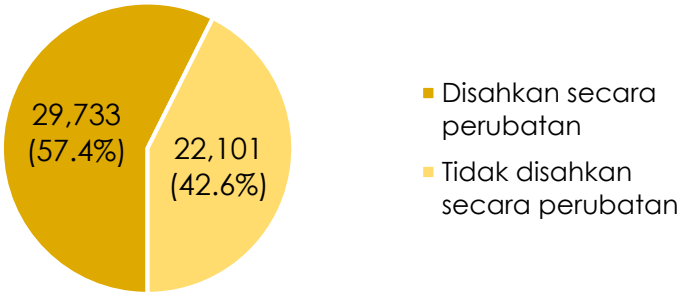
Carta 16: Lima sebab kematian utama bagi Bumiputera Lain, Malaysia, 2022 dan 2023



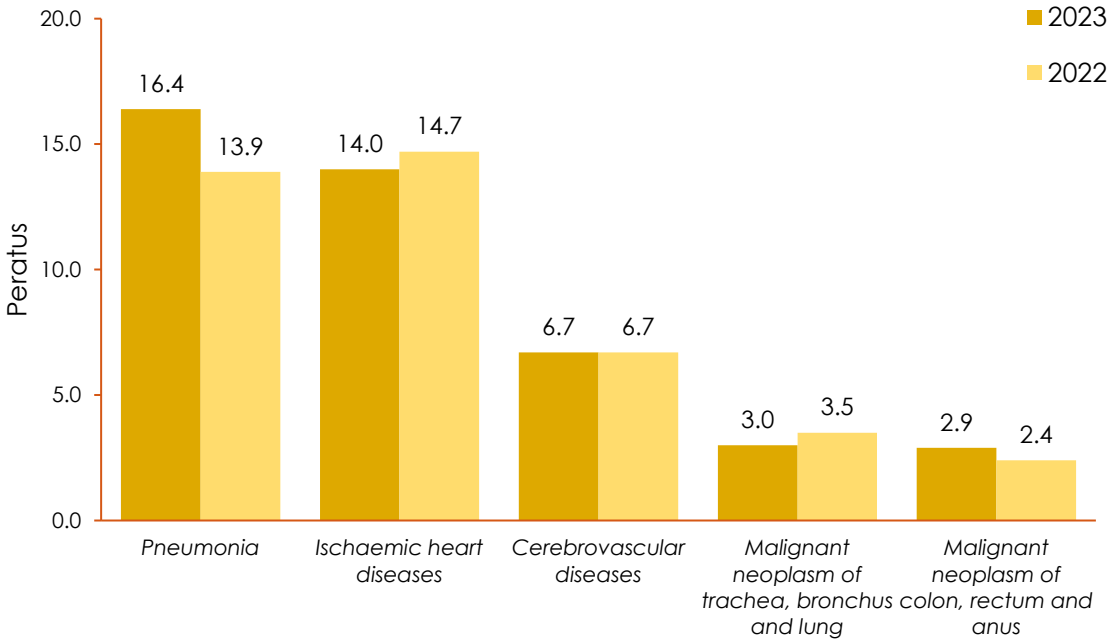
d. *Pneumonia* merupakan sebab kematian utama bagi etnik Cina

Etnik Cina merekodkan kematian sebanyak 51,834 kematian yang mana 57.4 peratus (29,733) merupakan kematian yang disahkan secara perubatan manakala 42.6 peratus (22,101) adalah kematian yang tidak disahkan secara perubatan pada 2023. *Pneumonia* merupakan sebab kematian utama bagi etnik Cina dengan 16.4 peratus daripada 29,733 sebab kematian yang disahkan secara perubatan. Ini diikuti oleh *Ischaemic heart diseases* (14.0%), Cerebrovascular diseases (6.7%), *Malignant neoplasm of trachea, bronchus and lung* (3.0%) dan *Malignant neoplasm of colon, rectum and anus* (2.9%).

Carta 17: Klasifikasi sebab kematian bagi etnik Cina, Malaysia, 2023



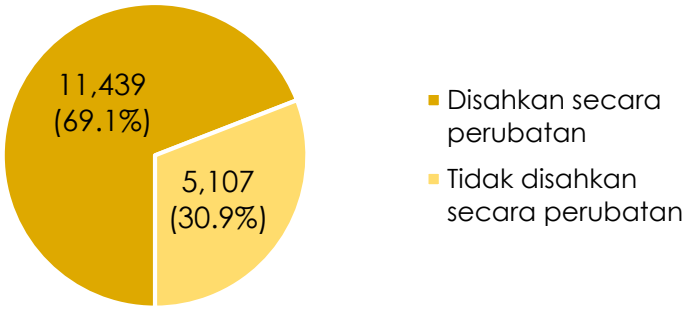
Carta 18: Lima sebab kematian utama bagi etnik Cina, Malaysia, 2022 dan 2023



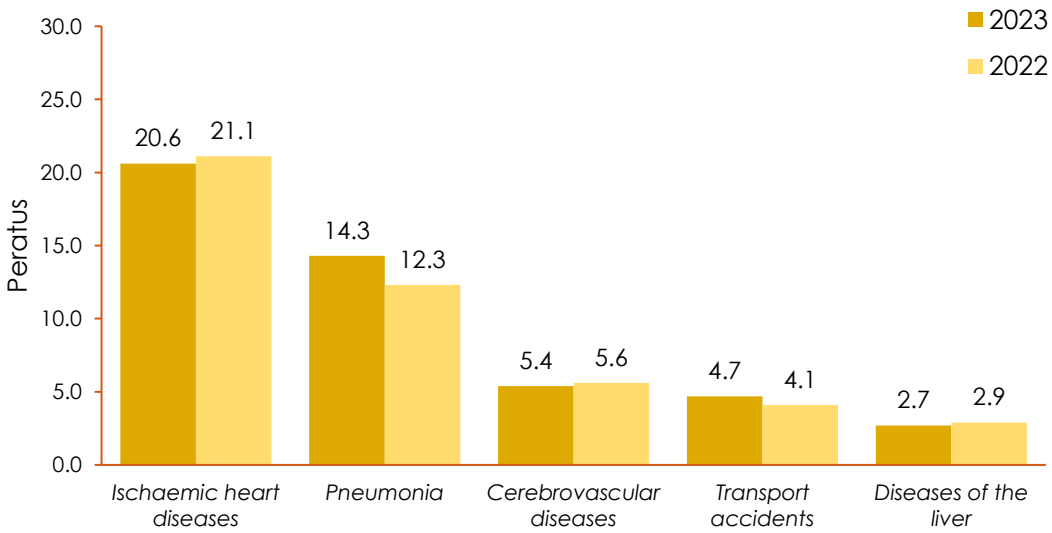
e. *Ischaemic heart diseases* merupakan sebab kematian utama bagi etnik India

Etnik India merekodkan kematian sebanyak 16,546 kematian yang mana 69.1 peratus (11,439) daripadanya merupakan kematian yang disahkan secara perubatan manakala 30.9 peratus (5,107) adalah kematian yang tidak disahkan secara perubatan pada 2023. *Ischaemic heart diseases* menjadi sebab kematian utama bagi etnik India iaitu 20.6 peratus daripada 11,439 sebab kematian yang disahkan secara perubatan. Ini diikuti oleh *Pneumonia* (14.3%), *Cerebrovascular diseases* (5.4%), *Transport accidents* (4.7%) dan *Diseases of the liver* (2.7%).

Carta 19: Klasifikasi sebab kematian bagi etnik India, Malaysia, 2023



Carta 20: Lima sebab kematian utama bagi etnik India, Malaysia, 2022 dan 2023

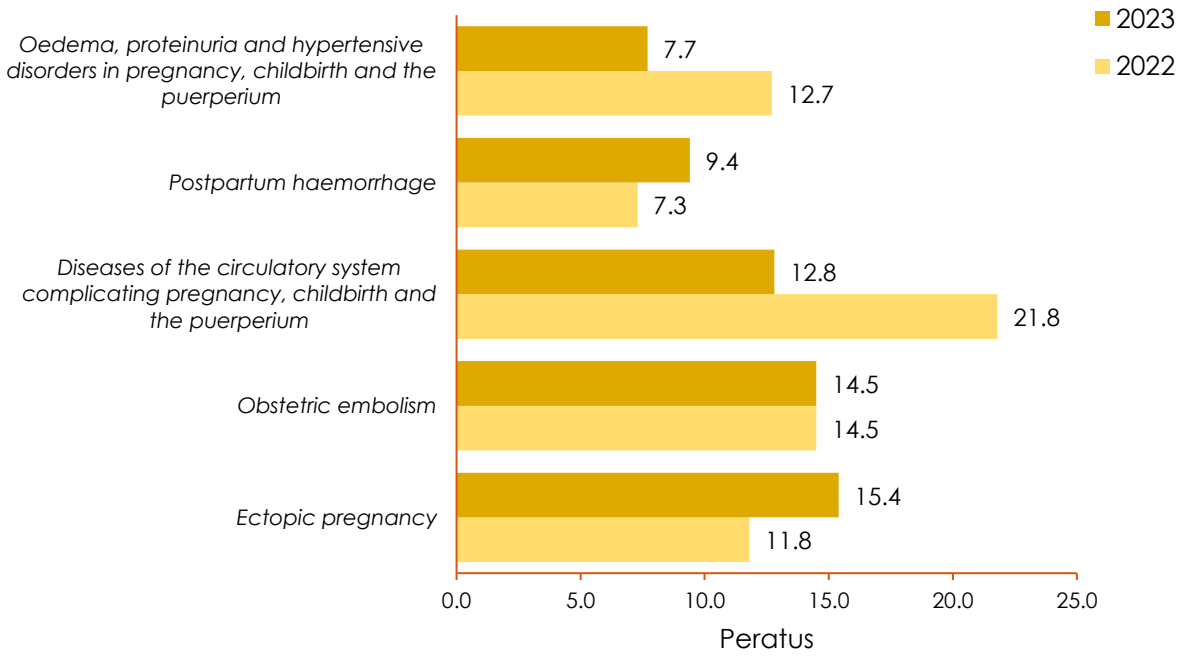


8. SEBAB KEMATIAN UTAMA BAGI IBU BERSALIN

Ectopic pregnancy dicatatkan sebagai sebab kematian utama bagi ibu bersalin

Kematian ibu bersalin meningkat daripada 110 kematian pada 2022 kepada 117 kematian pada 2023. Nisbah mortaliti ibu bersalin menunjukkan penurunan daripada 26.0 (2022) kepada 25.7 bagi setiap 100,000 kelahiran hidup. *Ectopic pregnancy* merupakan sebab kematian utama bagi ibu bersalin pada 2023 dengan 15.4 peratus diikuti *Obstetric embolism* (14.5%), *Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium* (12.8%), *Postpartum haemorrhage* (9.4%) dan *Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium* (7.7%).

Carta 21: Lima sebab kematian utama bagi ibu bersalin, Malaysia, 2022 dan 2023

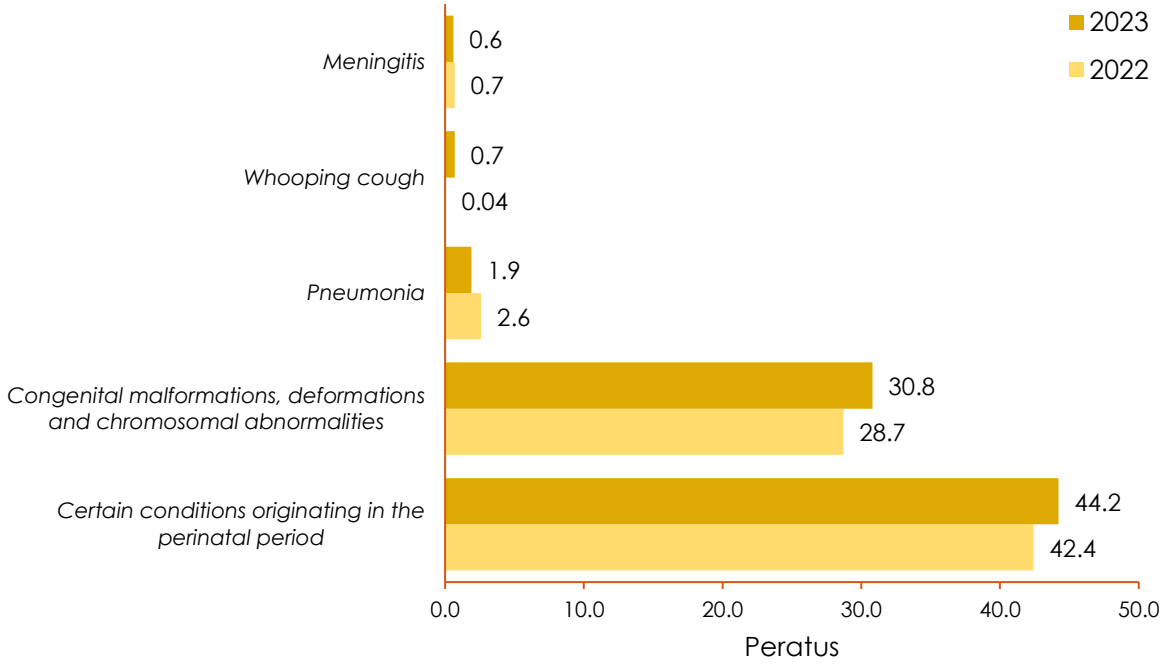


9. SEBAB KEMATIAN UTAMA BAGI BAYI

Certain conditions originating in the perinatal period kekal sebagai sebab utama kematian bagi bayi

Bilangan kematian bayi meningkat kepada 3,054 kematian pada 2023 berbanding 2,871 kematian pada 2022. *Certain conditions originating in the perinatal period* kekal sebagai sebab kematian utama bagi bayi pada 2023 dengan 44.2 peratus diikuti *Congenital malformations, deformations and chromosomal abnormalities* (30.8%), *Pneumonia* (1.9%), *Whooping cough* (0.7%) dan *Meningitis* (0.6%).

Carta 22: Lima sebab kematian utama bagi bayi, Malaysia, 2022 dan 2023

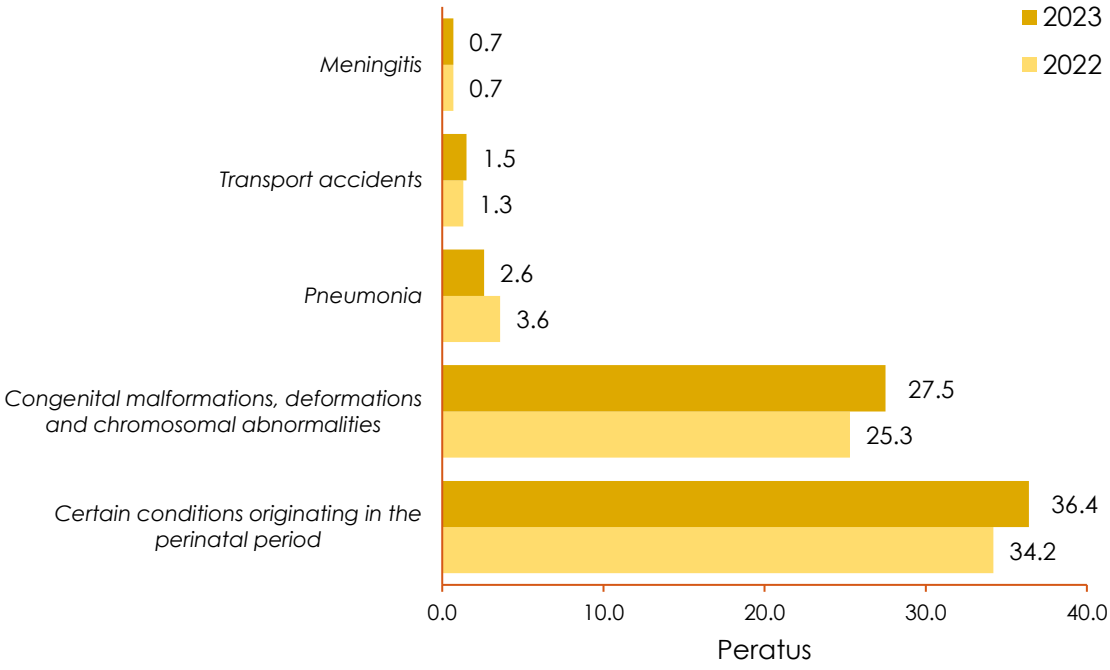


10. SEBAB KEMATIAN UTAMA BAGI KEMATIAN KANAK-KANAK KURANG DARIPADA LIMA TAHUN

Certain conditions originating in the perinatal period kekal menjadi sebab kematian utama bagi kanak-kanak kurang daripada lima tahun

Kematian kanak-kanak kurang daripada lima tahun meningkat daripada 3,655 kematian (2022) kepada 3,763 kematian pada 2023. *Certain conditions originating in the perinatal period* kekal menjadi sebab kematian utama bagi kanak-kanak kurang daripada lima tahun pada 2023 dengan 36.4 peratus diikuti *Congenital malformations, deformations and chromosomal abnormalities* (27.5%), *Pneumonia* (2.6%), *Transport accidents* (1.5%) dan *Meningitis* (0.7%).

Carta 23: Lima sebab kematian utama bagi kanak-kanak kurang daripada lima tahun, Malaysia, 2022 dan 2023



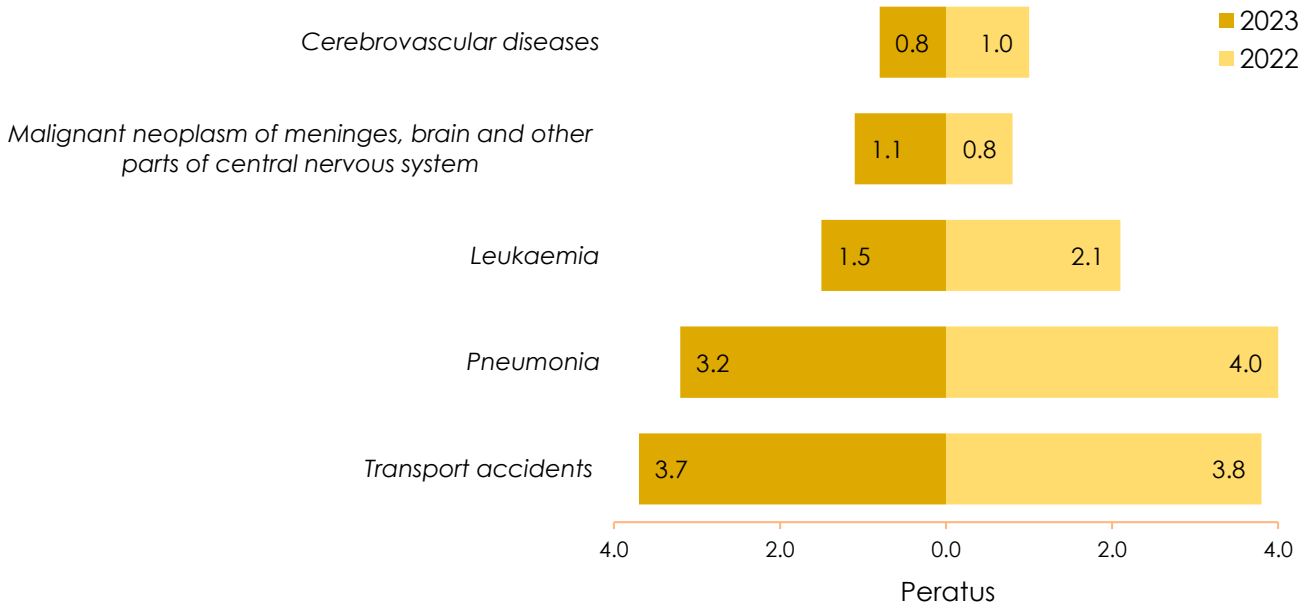
11. SEBAB KEMATIAN UTAMA MENGIKUT KUMPULAN UMUR TERPILIH

a. Penduduk berumur 0 hingga 14 tahun

Transport accidents adalah sebab kematian utama bagi penduduk berumur 0 hingga 14 tahun

Kematian penduduk berumur 0 hingga 14 tahun meningkat daripada 4,755 kematian kepada 4,933 kematian pada 2023. *Transport accidents* adalah sebab kematian utama bagi penduduk berumur 0 hingga 14 tahun pada 2023 iaitu 3.7 peratus daripada 4,356 kematian yang disahkan secara perubatan. Ini diikuti *Pneumonia* (3.2%), *Leukaemia* (1.5%), *Malignant neoplasm of meninges, brain and other parts of central nervous system* (1.1%) dan *Cerebrovascular diseases* (0.8%).

Carta 24: Lima sebab kematian utama bagi penduduk berumur 0 hingga 14 tahun, Malaysia, 2022 dan 2023

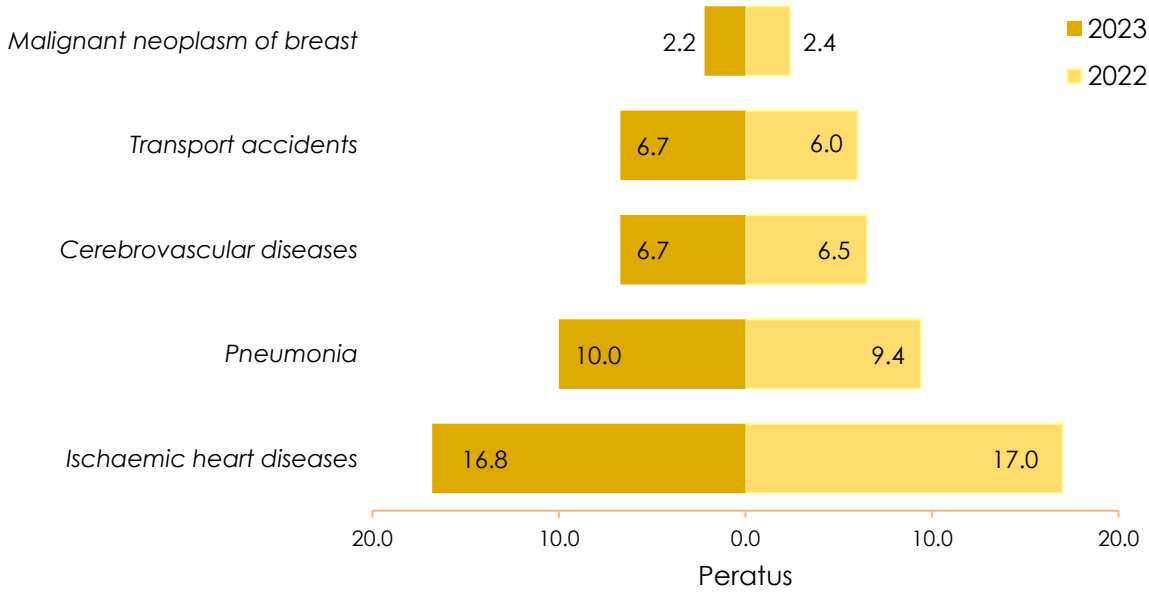


b. Penduduk berumur 15 hingga 64 tahun

Ischaemic heart diseases kekal sebab kematian utama bagi penduduk berumur 15 hingga 64 tahun

Kematian penduduk berumur 15 hingga 64 tahun menurun daripada 77,748 (2022) kepada 73,820 pada 2023. *Ischaemic heart diseases* menjadi sebab kematian utama bagi penduduk berumur 15 hingga 64 tahun pada 2023 iaitu 16.8 peratus daripada 53,265 kematian yang disahkan secara perubatan. Ini diikuti *Pneumonia* (10.0%), *Cerebrovascular diseases* (6.7%), *Transport accidents* (6.7%) dan *Malignant neoplasm of breast* (2.2%).

Carta 25: Lima sebab kematian utama penduduk berumur 15 hingga 64 tahun, Malaysia, 2022 dan 2023

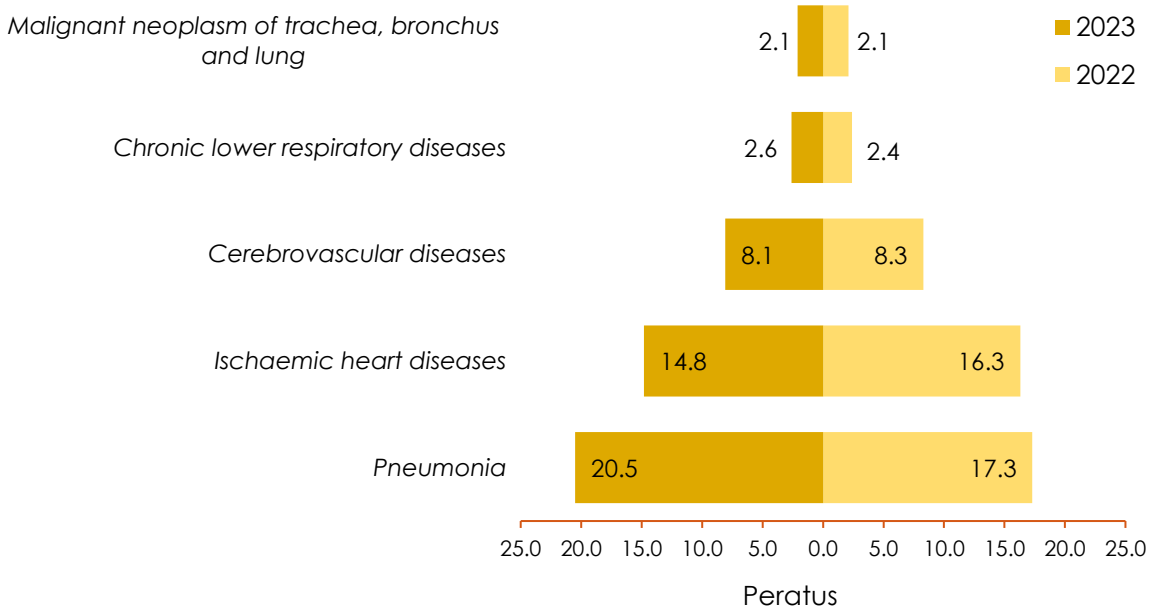


c. Penduduk berumur 65 tahun dan lebih

Pneumonia kekal sebagai sebab kematian utama bagi penduduk berumur 65 tahun dan lebih

Kematian penduduk berumur 65 tahun dan lebih menurun kepada 118,212 kematian pada 2023 berbanding 124,277 kematian (2022). *Pneumonia* kekal sebagai sebab kematian utama bagi penduduk berumur 65 tahun dan lebih pada 2023 iaitu 20.5 peratus daripada 62,031 kematian yang disahkan secara perubatan. Ini diikuti *Ischaemic heart diseases* (14.8%), *Cerebrovascular diseases* (8.1%), *Chronic lower respiratory diseases* (2.6%) dan *Malignant neoplasm of trachea, bronchus and lung* (2.1%).

Carta 26: Lima sebab kematian utama penduduk berumur 65 tahun dan lebih, Malaysia, 2022 dan 2023

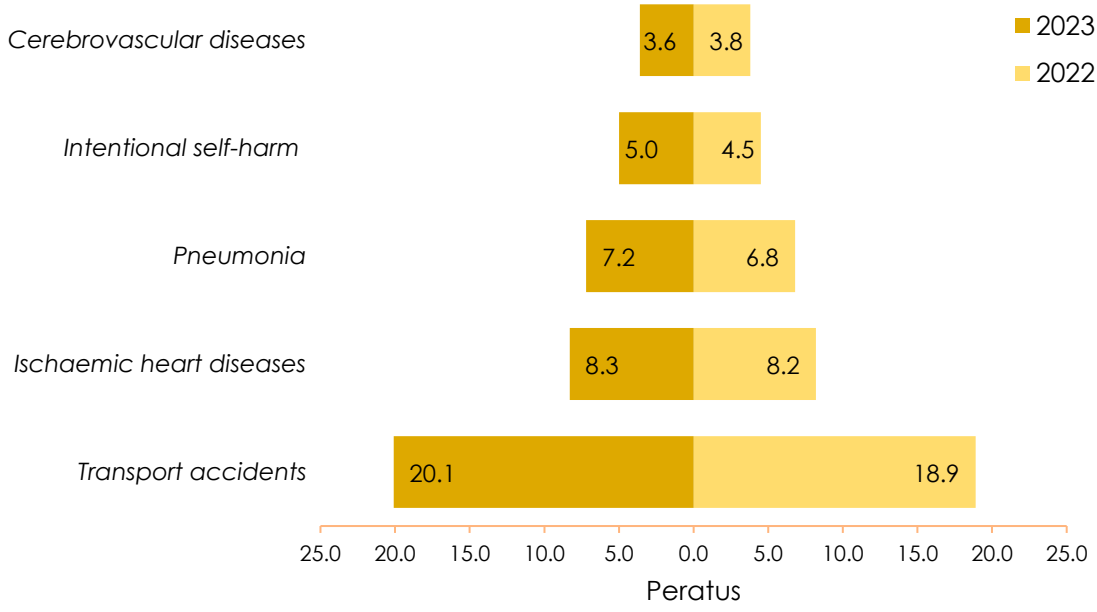


d. Penduduk berumur 15 hingga 40 tahun

Transport accidents merupakan sebab kematian utama bagi penduduk berumur 15 hingga 40 tahun

Kematian penduduk berumur 15-40 tahun merekodkan penurunan daripada 15,033 kematian (2022) kepada 14,600 kematian pada 2023. *Transport accidents* menjadi sebab kematian utama bagi penduduk berumur 15 hingga 40 tahun pada 2023 iaitu 20.1 peratus daripada 12,099 kematian yang disahkan secara perubatan. Ini diikuti oleh *Ischaemic heart diseases* (8.3%), *Pneumonia* (7.2%), *Intentional self-harm* (5.0%) dan *Cerebrovascular diseases* (3.6%).

Carta 27: Lima sebab kematian utama bagi penduduk berumur 15 hingga 40 tahun, Malaysia, 2022 dan 2023



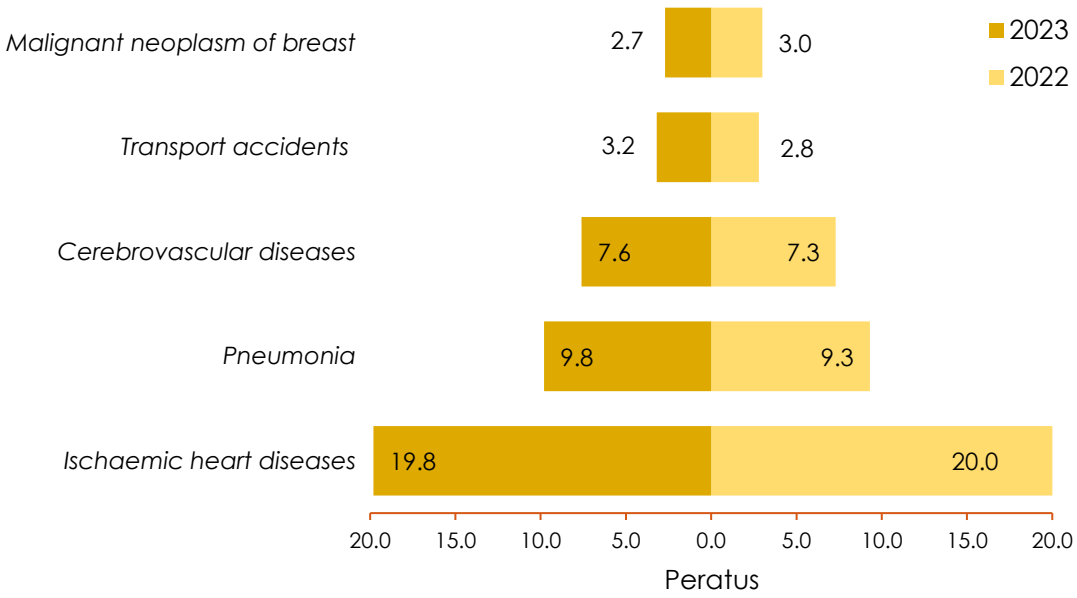
Nota:
1. *Intentional self-harm* merujuk kepada bunuh diri
2. Penduduk berumur 15 hingga 40 tahun: Dasar Pembangunan Belia Negara mendefinisikan belia sebagai individu yang berumur 15 hingga 40 tahun

e. Penduduk berumur 41 hingga 59 tahun

Ischaemic heart diseases kekal sebagai sebab kematian utama bagi penduduk berumur 41 hingga 59 tahun

Kematian penduduk berumur 41 hingga 59 tahun merekodkan penurunan daripada 41,680 kematian (2022) kepada 39,767 kematian pada 2023. *Ischaemic heart diseases* kekal sebagai sebab kematian utama bagi penduduk berumur 41 hingga 59 tahun pada 2023 iaitu 19.8 peratus daripada kematian yang disahkan secara perubatan (28,601). Ini diikuti oleh *Pneumonia* (9.8%), *Cerebrovascular diseases* (7.6%), *Transport accidents* (3.2%) dan *Malignant neoplasm of breast* (2.7%).

Carta 28: Lima sebab kematian utama penduduk berumur 41 hingga 59 tahun, Malaysia, 2022 dan 2023



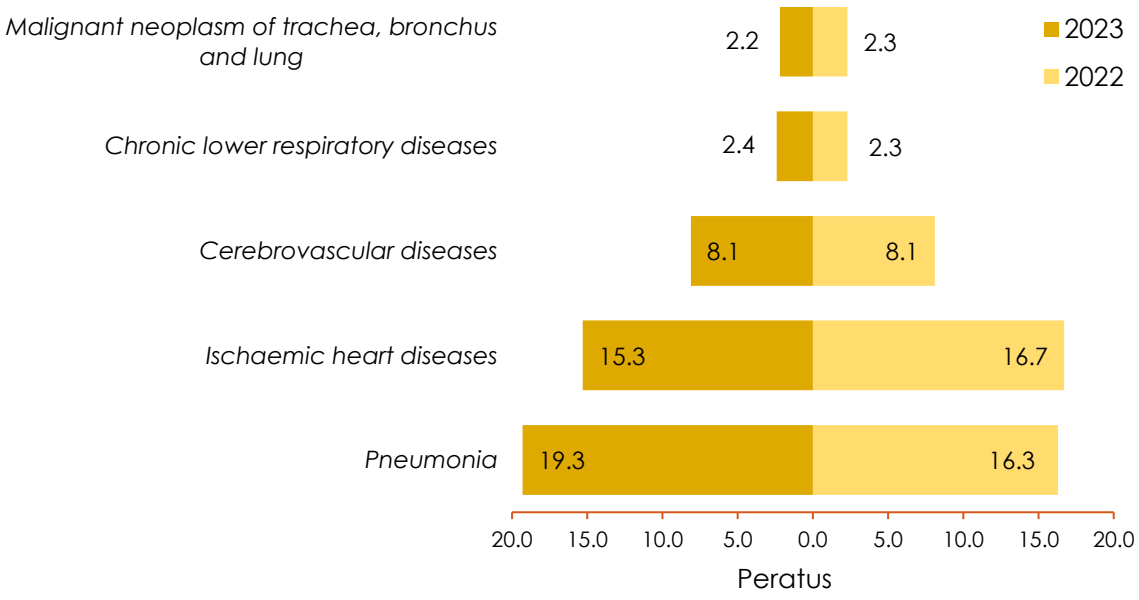
Nota:
Sebelum ini, jumlah kematian yang lebih tinggi direkodkan oleh umur 60 tahun dan lebih. Sejak kebelakangan ini, jumlah kematian mengikut umur telah berubah daripada umur 60 tahun dan lebih kepada umur 41 tahun kepada 59 tahun

f. Penduduk berumur 60 tahun dan lebih

Pneumonia menjadi sebab kematian utama bagi penduduk berumur 60 tahun dan lebih

Kematian penduduk berumur 60 tahun dan lebih merekodkan penurunan daripada 145,312 kematian (2022) kepada 137,665 kematian pada 2023. *Pneumonia* menjadi sebab kematian utama bagi penduduk berumur 60 tahun dan lebih pada 2023 iaitu 19.3 peratus daripada 74,596 kematian yang disahkan secara perubatan. Ini diikuti oleh *Ischaemic heart diseases* (15.3%), *Cerebrovascular diseases* (8.1%), *Chronic lower respiratory diseases* (2.4%) dan *Malignant neoplasm of trachea, bronchus and lung* (2.2%).

Carta 29: Lima sebab kematian utama penduduk berumur 60 tahun dan lebih, Malaysia, 2022 dan 2023

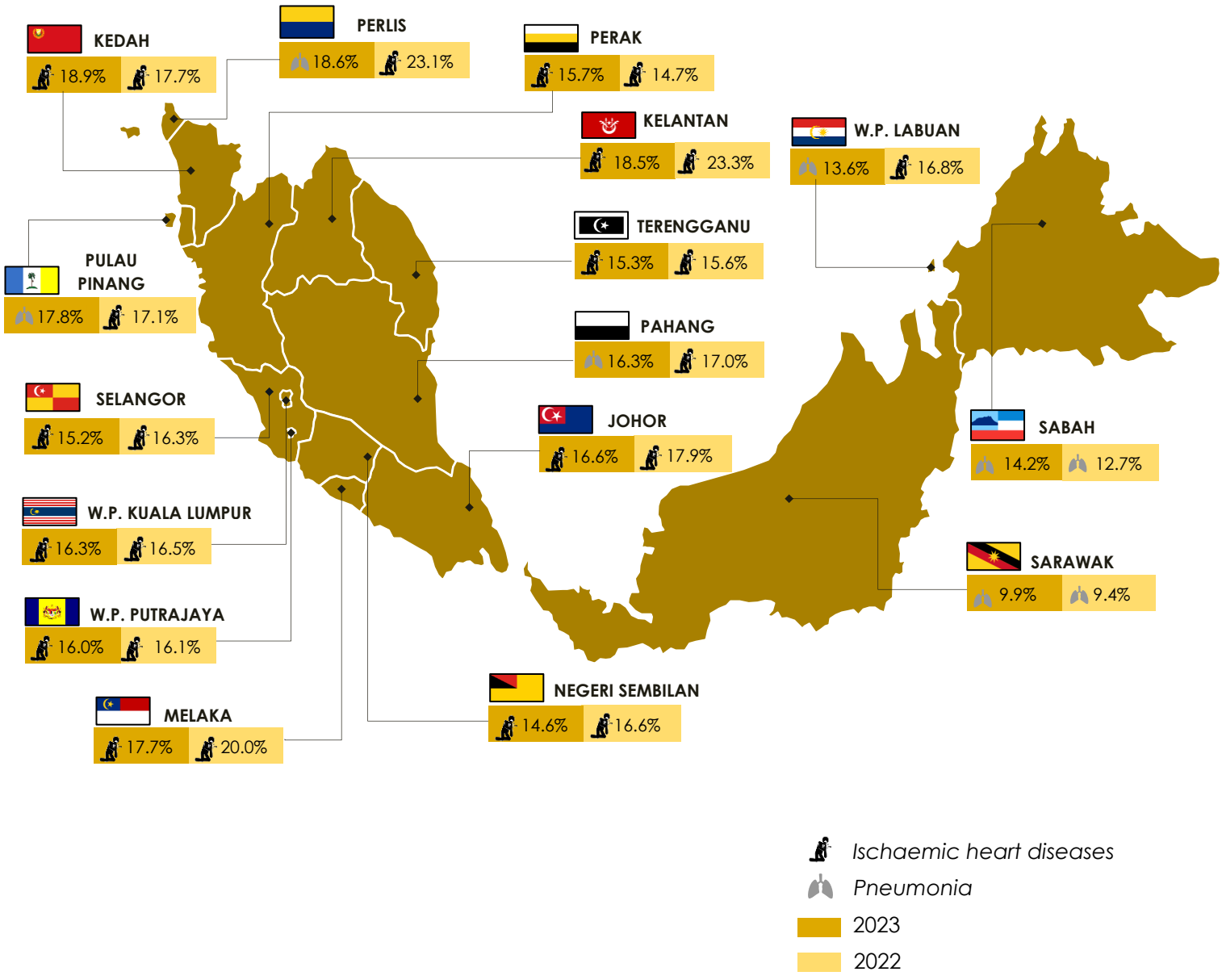


Nota:
Penduduk berumur 60 tahun dan lebih: Dasar Warga Emas Negara mendefinisikan warga emas sebagai individu berumur 60 tahun dan lebih seperti yang di terima pakai dalam *United Nations World Assembly on Ageing in Vienna (UN, 1982)* dan dalam kalangan negara ASEAN

12. SEBAB KEMATIAN UTAMA MENGIKUT NEGERI

Enam negeri merekodkan *Pneumonia* sebagai sebab kematian utama pada tahun 2023 iaitu Pahang, Perlis, Pulau Pinang, Sabah, Sarawak dan W.P. Labuan. Manakala 10 negeri merekodkan *Ischaemic heart diseases* sebagai sebab kematian utama.

Paparan 1: Sebab kematian utama mengikut negeri, Malaysia, 2022 dan 2023



13. SEBAB KEMATIAN UTAMA MENGIKUT DAERAH PENTADBIRAN

Pneumonia merupakan sebab kematian utama di 78 daerah pentadbiran dan peratusan tertinggi direkodkan di daerah Kubang Pasu, Kedah dengan 26.3 peratus. Sementara itu, *Ischaemic heart diseases* merupakan sebab kematian utama di 65 daerah pentadbiran dengan peratusan tertinggi dicatatkan di Langkawi, Kedah (31.3%).

Selain itu, 11 daerah merekodkan *Cerebrovascular diseases* sebagai sebab kematian utama, manakala *Malignant neoplasm of breast* direkodkan di satu daerah (Kalabakan, Sabah) dan *Hypertensive diseases* di satu daerah (Dalat, Sarawak).

Jadual 2: Sebab kematian utama mengikut daerah pentadbiran, 2023

Sebab kematian utama	Bilangan daerah pentadbiran	Peratus daerah pentabiran tertinggi
Pneumonia	78	Kubang Pasu, Kedah (26.3%)
Ischaemic heart diseases	65	Langkawi, Kedah (31.3%)
Cerebrovascular diseases	11	Belaga, Sarawak (13.8%)
Malignant neoplasm of breast	1	Kalabakan, Sabah (8.1%)
Hypertensive diseases	1	Dalat, Sarawak (7.3%)

14. SEBAB KEMATIAN UTAMA NEGARA TERPILIH

a. Sebab kematian utama mengikut negara ASEAN

Stroke, Cancer dan *Ischaemic heart diseases* merupakan sebab kematian utama bagi negara ASEAN pada 2021.

Paparan 2: Penduduk, Kadar kematian kasar dan Sebab kematian utama mengikut negara ASEAN, 2021

	 *Brunei Darussalam*	 *Cambodia*	 *Indonesia*	 *Lao PDR*	 ***Malaysia***
Penduduk (juta)	0.4	16.8	275.7	7.4	**33.4**
CDR (setiap 1,000 penduduk)	5.2	6.0	6.6	6.3	**5.9**
Sebab kematian utama	*Cancer*	*Stroke*	*COVID-19*	*Ischaemic heart diseases*	***Pneumonia***

	 *Myanmar*	 *Philippines*	 *Singapore*	 *Thailand*	 *Viet Nam*
Penduduk (juta)	53.4	113.1	5.9	71.7	98.9
CDR (setiap 1,000 penduduk)	8.3	6.1	6.2	9.0	6.1
Sebab kematian utama	*Stroke*	*Ischaemic heart diseases*	*Cancer*	*Stroke*	*Stroke*

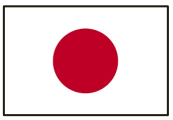
Nota:
Data terkini bagi Malaysia, *Singapore* dan *Philippines* adalah 2023, manakala Brunei adalah 2022 dan data negara ASEAN lain adalah 2021

Sumber data: *World Health Organization,* Pejabat Statistik Negara dan Kementerian Kesihatan Negara terpilih

b. Sebab kematian utama mengikut negara terpilih

Cancer, Ischaemic heart diseases dan *Dementia and Alzheimers disease* merupakan sebab kematian utama bagi negara terpilih pada 2022.

Paparan 3: Penduduk, Kadar kematian kasar dan sebab kematian utama mengikut negara terpilih, 2022

	 *Australia*	 *United Kingdom*	 *United States of America*	 *Japan*	 *Canada*	 *Republic of Korea*
Penduduk (juta)	26.2	67.6	334.9	124.9	39.5	51.6
CDR (setiap 1,000 penduduk)	7.3	9.6	8.0	12.9	8.6	7.3
Sebab kematian utama	*Ischaemic heart diseases*	*Dementia and Alzheimers diseases*	*Ischaemic heart diseases*	*Cancer*	*Cancer*	*Cancer*

Sumber data: Pejabat Statistik Negara dan Kementerian Kesihatan Negara terpilih

15. INDIKATOR SDG YANG BERKAITAN DENGAN PERANGKAAN SEBAB KEMATIAN

Pada September 2015, Malaysia telah menyatakan komitmen dan sokongan bagi melaksanakan Agenda 2030 ke arah Matlamat Pembangunan Mampan (*Sustainable Development Goals* - SDG) mulai 2016 sehingga 2030.

SDG meliputi 17 Matlamat, 169 Sasaran dan 248 Indikator. Statistik sebab kematian merupakan sebahagian daripada indikator yang disenaraikan dalam Matlamat 3: Memastikan kehidupan yang sihat dan menggalakkan kesejahteraan untuk semua peringkat umur. Indikator yang berkaitan adalah indikator 3.4.1 dan 3.4.2.

Indikator 3.4.1: Kadar kematian berpunca daripada *Cardiovascular diseases, Cancer, Diabetes* dan *Chronic respiratory diseases*

Kematian pramatang merujuk kepada kematian yang berlaku di antara umur 30 hingga 69 tahun. Kadar kematian bagi penyakit tersebut menurun pada 2023 berbanding 2022 kecuali *Cancer* yang merekodkan peningkatan daripada 64.6 kematian kepada 66.0 kematian bagi setiap 100,000 penduduk berumur 30-69 tahun. Antara empat penyakit tersebut, *Cardiovascular diseases* mencatatkan kadar kematian tertinggi.

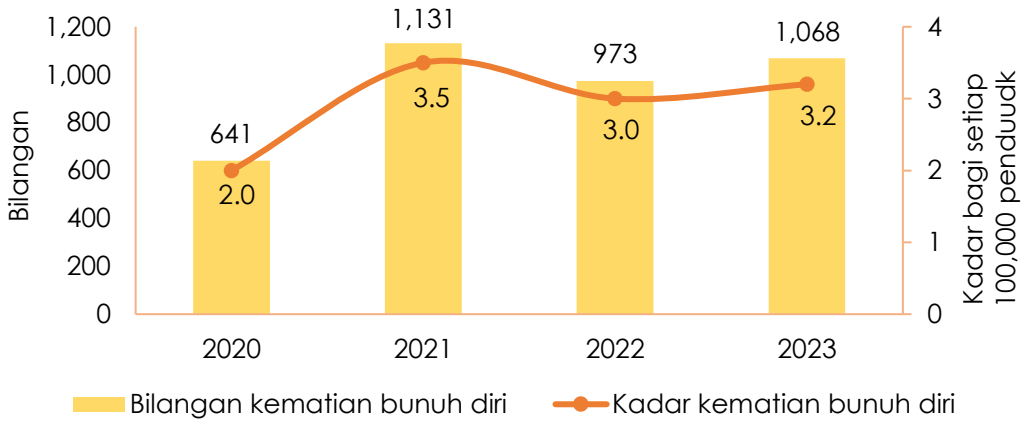
Jadual 3: Kadar kematian pramatang berpunca daripada *Cardiovascular diseases, Cancer, Diabetes* dan *Chronic respiratory diseases*, Malaysia, 2022 dan 2023

Tahun	Kadar (bagi setiap 100,000 penduduk berumur 30 hingga 69 tahun)			
	Cardiovascular diseases	*Cancer*	*Diabetes*	*Chronic respiratory diseases*
2023	130.5	66.0	6.3	15.8
2022	142.1	64.6	7.5	16.7

Indikator 3.4.2: Kadar kematian bunuh diri

Bilangan kematian bunuh diri di Malaysia telah menunjukkan peningkatan daripada 641 kematian pada 2020 kepada 1,068 kematian pada 2023. Sementara itu, kadar kematian bunuh diri meningkat daripada 2.0 kematian pada 2020 kepada 3.2 kematian bagi setiap 100,000 penduduk pada 2023.

Carta 30: Bilangan dan kadar kematian bunuh diri, Malaysia, 2020 hingga 2023



Jadual 4: Bilangan kematian bunuh diri mengikut negeri kejadian, Malaysia, 2020 hingga 2023

Negeri	2020	2021	2022	2023
Malaysia	**641**	**1,131**	**973**	**1,068**
Johor	104	162	138	123
Kedah	17	64	48	44
Kelantan	30	14	11	21
Melaka	20	27	16	23
Negeri Sembilan	44	52	39	57
Pahang	38	47	42	40
Perak	55	115	110	98
Perlis	1	5	4	6
Pulau Pinang	66	113	84	123
Sabah	50	51	55	33
Sarawak	40	59	41	45
Selangor	91	277	268	305
Terengganu	15	14	8	13
W.P. Kuala Lumpur	65	124	107	135
W.P. Labuan	-	4	2	2
W.P. Putrajaya	5	3	-	-

SUMMARY OF FINDINGS

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1. INTRODUCTION

Statistics on Causes of Death, Malaysia, 2024 presents the principal causes of death statistics by classification for 2023. Department of Statistics Malaysia (DOSM) uses International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10) published by World Health Organization (2010) to classify causes of death.

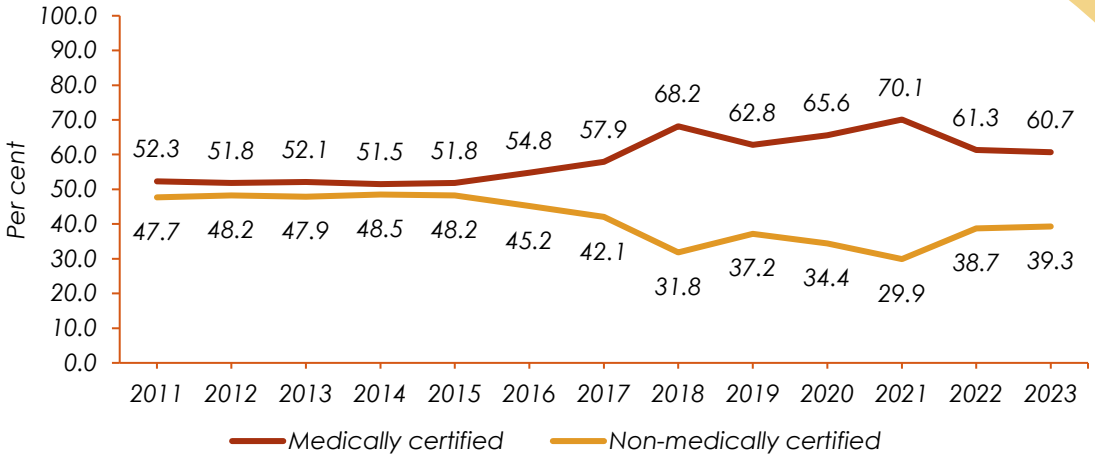
The statistics reported in this publication refer to deaths data registered at the National Registration Department. The demographic indicators that involved population data for 2020 to 2023 have been revised based on the Population and Housing Census of Malaysia 2020. Meanwhile, the indicators for 2011 to 2019 are based on the Population and Housing Census of Malaysia 2010 and will be revised later. Data for 2020 to 2022 have been updated based on the report on suicide cases from the Royal Malaysia Police.

The classification for causes of death comprises medically certified and non-medically certified as follows:

a. ***Medically certified***
   Verification made by medical officer and coroner only.
b. ***Non-medically certified***
   Verification made by informants without having any medical qualifications, such as individuals or police.

Commencing 2018, the Ministry of Health Malaysia implemented the verification of non-medically certified causes of death in Malaysia to improve the percentage of medically certified deaths. Almost 61 per cent of 196,965 deaths were classified as medically certified deaths in 2023, while 39.3 per cent was non-medically certified deaths (Chart 1). This summary of findings presents the medically certified principal causes of death in Malaysia for 2023.

Chart 1: Percentage of medically certified and non-medically certified causes of death, Malaysia, 2011 to 2023



2. MAIN FINDINGS OF STATISTICS ON CAUSES OF DEATH

a. *The number of deaths in 2023 decreased 4.7 per cent from 206,780 deaths (2022) to 196,965 deaths. Out of this total, 60.7 per cent (119,652) was medically certified.*
b. *Pneumonia was the principal causes of death in Malaysia which recorded 18,181 deaths (15.2%) in 2023. Pneumonia supersedes Ischaemic heart disease as the principal causes of death for the first time in two decades, except COVID-19 infection (due to) was the principal causes of death in 2021.*
c. *Ischaemic heart diseases and Pneumonia were the principal causes of death for males and females, with 12,648 and 7,815 deaths, respectively.*
d. *Pneumonia was the principal causes of death for Chinese and Other Bumiputera in 2023 while Malay, Indians and Others recorded Ischaemic heart diseases as principal causes of death.*
e. *Age groups 0-14 years and 65 years and over registered Transport accidents and Pneumonia as the principal causes of death, while age group 15 to 64 years recorded Ischaemic heart diseases as the principal causes of death.*
f. *Six states namely Pahang, Perlis, Pulau Pinang, Sabah, Sarawak and W.P. Labuan registered Pneumonia as principal causes of death, while 10 other states recorded Ischaemic heart diseases as principal causes of death.*
g. *Pneumonia was the principal causes of death in 78 administrative districts and the highest percentage was recorded in Kubang Pasu, Kedah with 26.3 per cent.*

3. DEATHS

The number of deaths decreased 4.7 per cent in 2023

The number of deaths in 2023 decreased 4.7 per cent from 206,780 deaths (2022) to 196,965 deaths. The number of deaths for males decreased 4.9 per cent from 118,018 to 112,293 deaths and females decreased 4.6 per cent from 88,762 to 84,672 deaths. Crude death rate (CDR) decreased from 6.3 (2022) to 5.9 deaths per thousand population in 2023.

Table 1: Number of deaths by sex, Malaysia, 2022 and 2023

Year	Number			Rate (per 1,000 population)		
	Total	Male	Female	Total	Male	Female
2023	**196,965**	112,293	84,672	**5.9**	6.4	5.3
2022	**206,780**	118,018	88,762	**6.3**	6.9	5.7

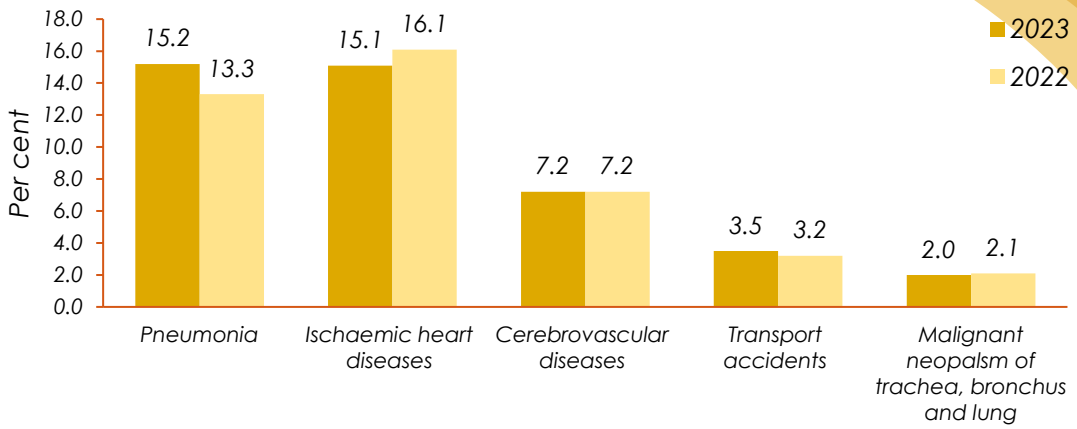
4. CAUSES OF DEATH

a. Five principal causes of death

Pneumonia as the principal causes of death in Malaysia

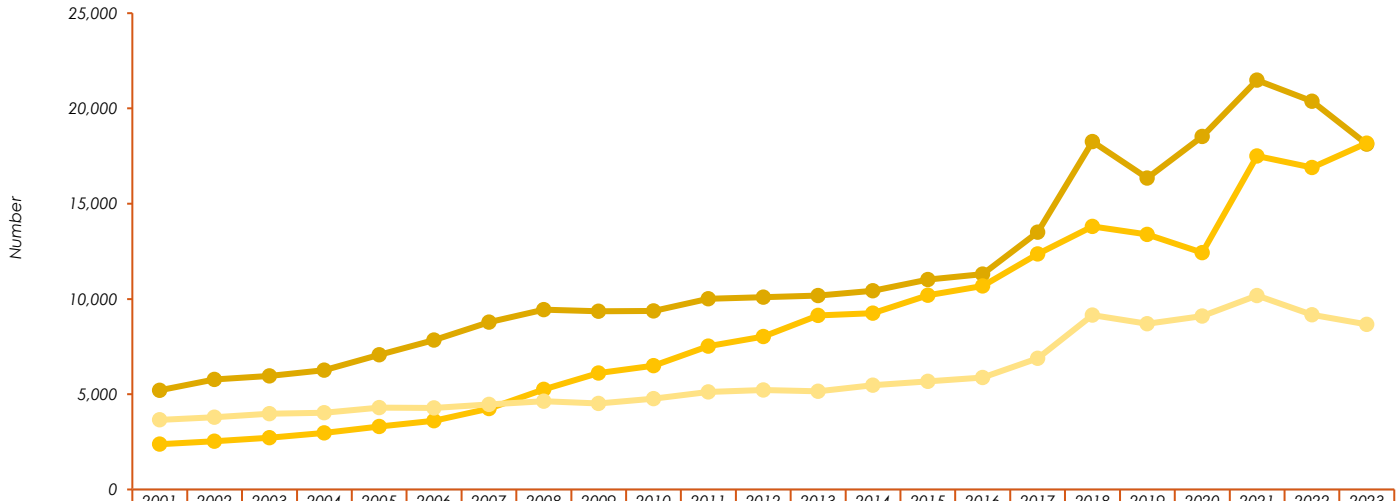
Pneumonia as the principal causes of death in 2023, registered 18,181 (15.2%) from 119,652 medically certified deaths in 2023. This was followed by Ischaemic heart diseases (15.1%), Cerebrovascular diseases (7.2%), Transport accidents (3.5%) and Malignant neoplasm of trachea, bronchus and lung (2.0%) (Chart 2).

Chart 2: Five principal causes of death, Malaysia, 2022 and 2023



For the period of 2001 to 2023, Pneumonia showed an increase from 2,374 deaths (5.3%) in 2001 to 18,181 deaths (15.2%) in 2023. Ischaemic heart diseases and Cerebrovascular diseases also increased from 5,207 and 3,651 in 2001 to 18,121 and 8,657 in 2023, respectively.

Chart 3: Time series trend for three selected principal causes of death, Malaysia, 2001-2023



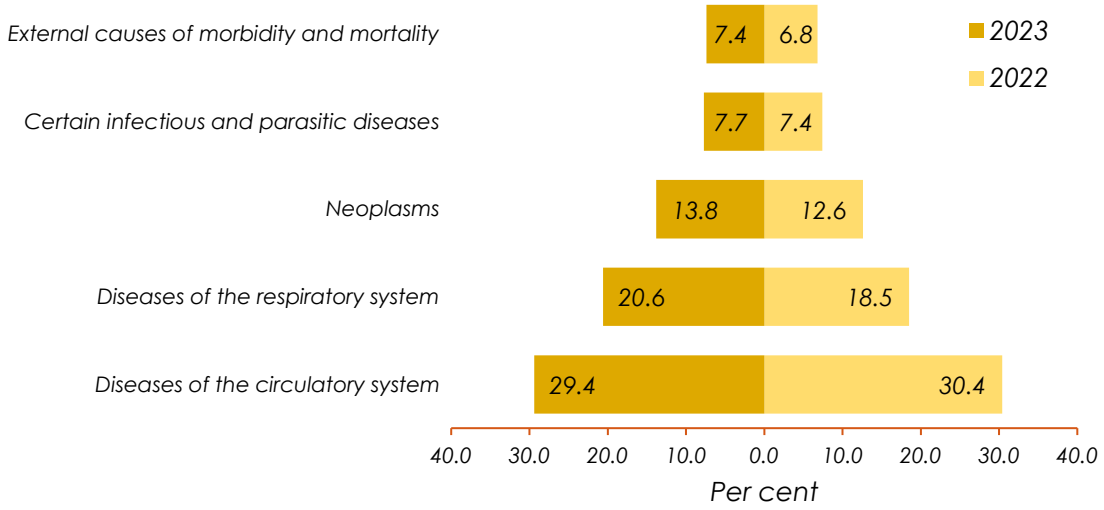
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Ischaemic heart diseases	5,207	5,774	5,957	6,267	7,074	7,836	8,776	9,435	9,361	9,371	10,004	10,091	10,169	10,432	11,018	11,310	13,503	18,267	16,336	18,525	21,482	20,382	18,121
Pneumonia	2,374	2,539	2,718	2,966	3,297	3,602	4,249	5,254	6,106	6,504	7,518	8,031	9,142	9,250	10,200	10,678	12,365	13,804	13,384	12,423	17,503	16,894	18,181
Cerebrovascular diseases	3,651	3,795	3,974	4,030	4,289	4,285	4,465	4,637	4,511	4,763	5,112	5,220	5,156	5,474	5,678	5,876	6,878	9,154	8,699	9,105	10,181	9,168	8,657

b. Five principal causes of death by Chapter ICD-10

Diseases of the circulatory system remained as the principal causes of death by Chapter ICD-10

Diseases of the circulatory system remained as the principal causes of death by Chapter ICD-10 in 2023 at 29.4 per cent followed by Diseases of the respiratory system (20.6%), Neoplasms (13.8%), Certain infectious and parasitic diseases (7.7%) and External causes of morbidity and mortality (7.4%).

Chart 4: Five principal causes of death by Chapter ICD-10, Malaysia, 2022 and 2023



5. PRINCIPAL CAUSES OF DEATH BY SEX

a. Ischaemic heart diseases was the principal causes of death for males

Males recorded 112,293 deaths in 2023, of which 64.0 per cent (71,906) were medically certified deaths while 36.0 per cent (40,387) were non-medically certified deaths (Chart 5). Ischaemic heart diseases was the principal causes of death for males at 17.6 per cent of the 71,906 medically certified deaths. This was followed by Pneumonia (14.4%), Cerebrovascular diseases (6.9%), Transport accidents (5.1%) and Malignant neoplasm of trachea, bronchus and lung (2.2%) (Chart 6).

Chart 5: Classification of causes of death for males, Malaysia, 2023

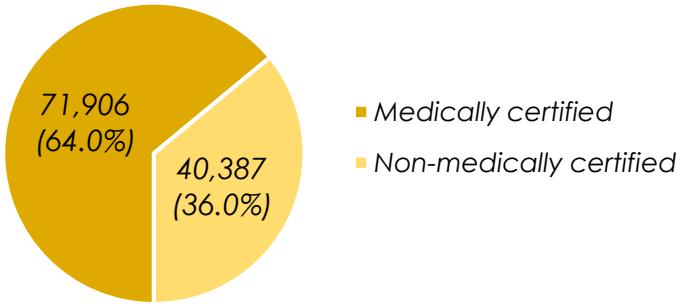
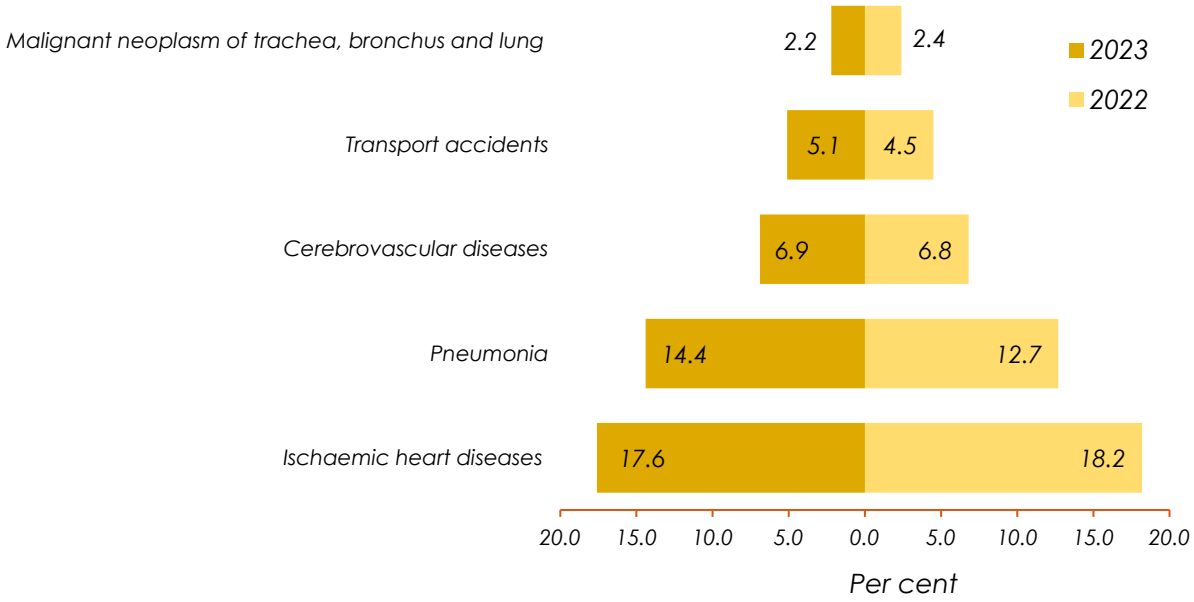


Chart 6: Five principal causes of death for males, Malaysia, 2022 and 2023



b. *Pneumonia was the principal causes of death for females*

Females recorded 84,672 deaths in 2023, of which 56.4 per cent (47,746) were medically certified deaths while 43.6 per cent (36,926) were non-medically certified deaths (Chart 7). Pneumonia was the principal causes of death for females at 16.4 per cent of the 47,746 medically certified deaths. This was followed by Ischaemic heart diseases (11.5%), Cerebrovascular diseases (7.8%), Malignant neoplasm of breast (3.5%) and Diabetes mellitus (2.1%) (Chart 8).

Chart 7: Classification of causes of death for females, Malaysia, 2023

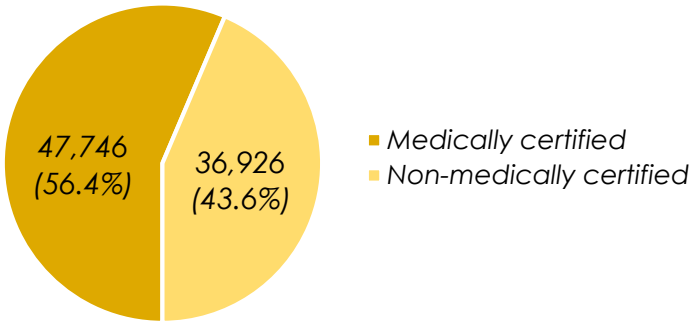
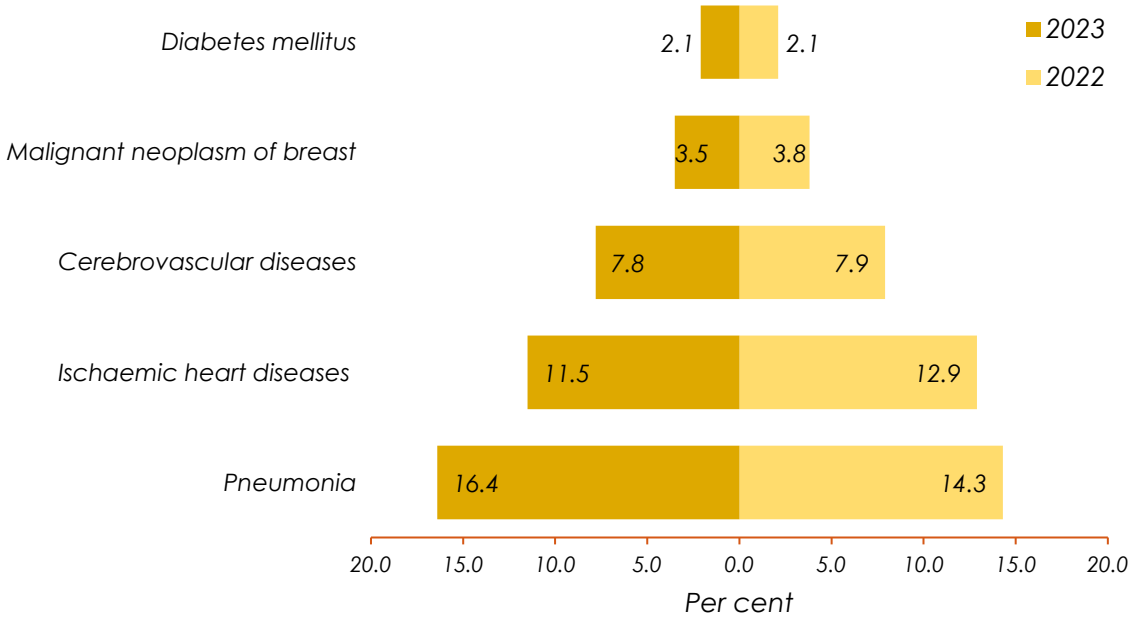


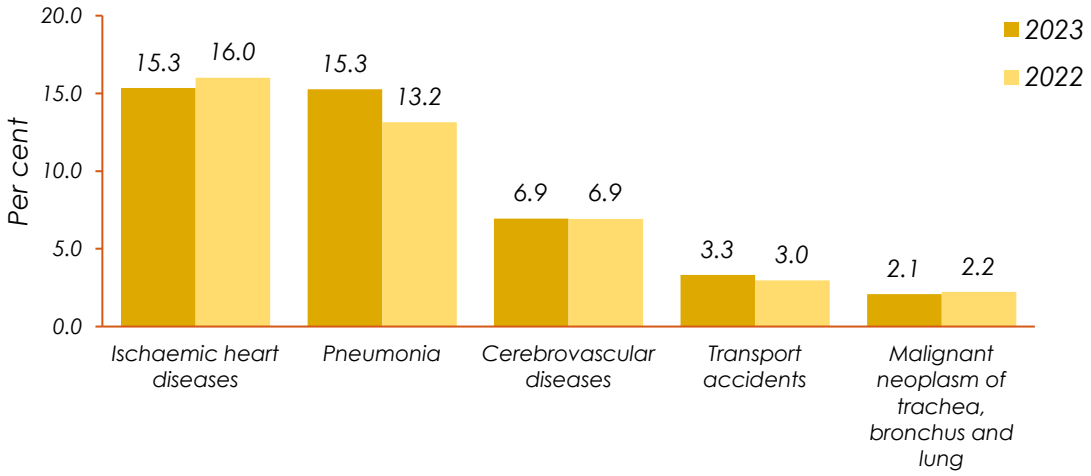
Chart 8: Five principal causes of death for females, Malaysia, 2022 and 2023



6. PRINCIPAL CAUSES OF DEATH BY STRATUM

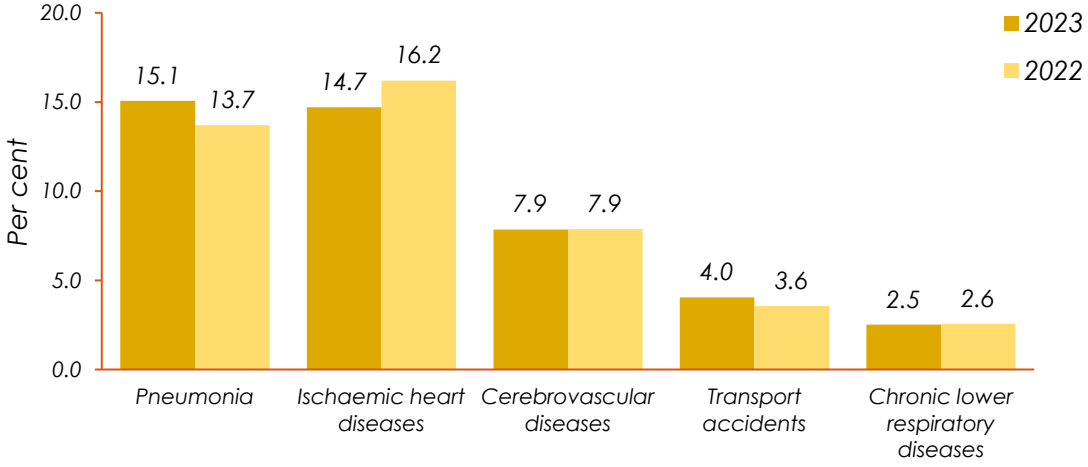
Ischaemic heart diseases was the principal causes of death for urban in 2023 which recorded 15.3 per cent of the 81,389 medically certified deaths. This was followed by Pneumonia (15.3%), Cerebrovascular diseases (6.9%), Transport accidents (3.3%) and Malignant neoplasm of trachea, bronchus and lung (2.1%).

Chart 9: Five principal causes of deaths by stratum (urban), Malaysia, 2022 and 2023



For rural area, Pneumonia recorded as the principal causes of death in 2023 at 15.1 per cent of the 38,263 medically certified deaths. This was followed by Ischaemic heart diseases (14.7%), Cerebrovascular diseases (7.9%), Transport accidents (4.0%) and Chronic lower respiratory diseases (2.5%).

Chart 10: Five principal causes of deaths by stratum (rural), Malaysia, 2022 and 2023



7. PRINCIPAL CAUSES OF DEATH BY MAJOR ETHNIC GROUP

a. Pneumonia was the principal causes of death for Bumiputera

Bumiputera comprises Malay and Other Bumiputera. Bumiputera recorded 122,896 deaths of which 61.2 per cent (75,220) were medically certified deaths while 38.8 per cent (47,676) were non-medically certified deaths in 2023. Pneumonia was the principal causes of death for Bumiputera at 14.9 per cent of the 75,220 medically certified deaths. This was followed by Ischaemic heart diseases (14.9%), Cerebrovascular diseases (7.7%), Transport accidents (4.1%) and Chronic lower respiratory diseases (2.1%).

Chart 11: Classification of causes of death for Bumiputera, Malaysia, 2023

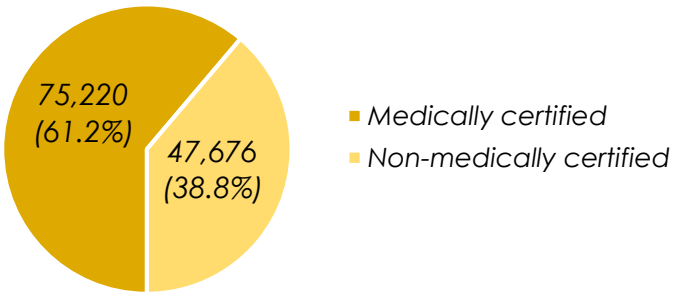
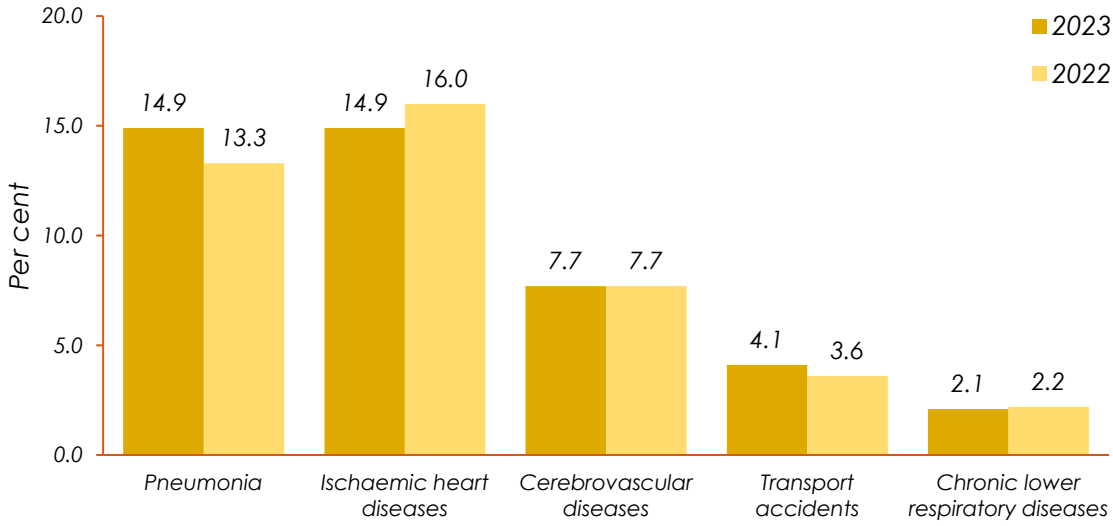


Chart 12: Five principal causes of death for Bumiputera, Malaysia, 2022 and 2023



b. Ischaemic heart diseases was the principal causes of death for Malay

Malay recorded 101,829 deaths of which 63.7 per cent (64,914) were medically certified deaths while 36.3 per cent (36,915) were non-medically certified deaths in 2023. Ischaemic heart diseases was the principal causes of death for Malay at 16.0 per cent of the 64,914 medically certified deaths. This was followed by Pneumonia (15.3%), Cerebrovascular diseases (7.9%), Transport accidents (4.2%) and Diabetes mellitus (2.0%).

Chart 13: Classification of causes of death for Malay, Malaysia, 2023

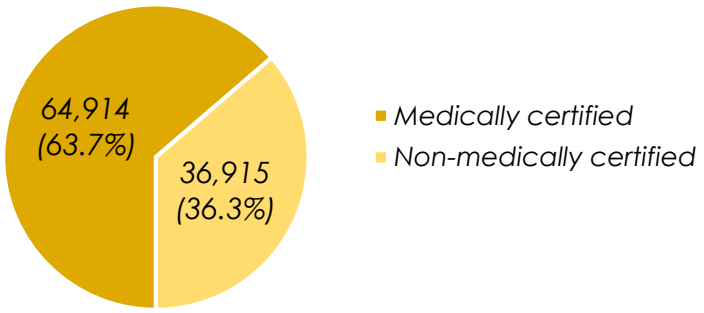
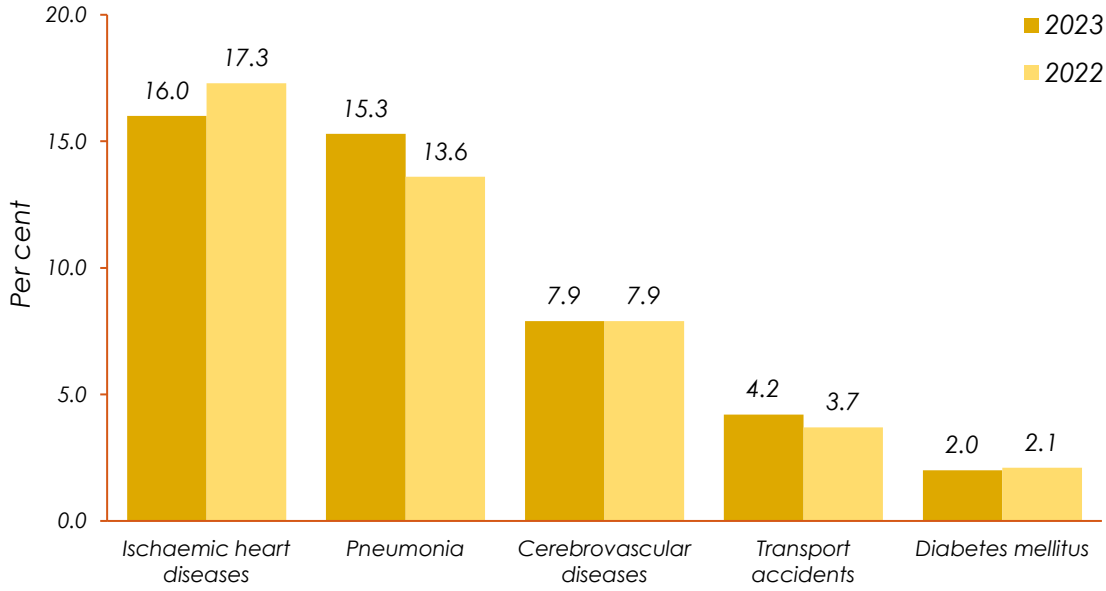


Chart 14: Five principal causes of death for Malay, Malaysia, 2022 and 2023



c. *Pneumonia was the principal causes of death for Other Bumiputera*

Other Bumiputera recorded 21,067 deaths of which 48.9 per cent (10,306) were medically certified deaths while 51.1 per cent (10,761) were non-medically certified deaths in 2023. Pneumonia was the principal causes of death for Other Bumiputera at 12.2 per cent of the 10,306 medically certified deaths. This was followed by Ischaemic heart diseases (8.0%), Cerebrovascular diseases (6.9%), Chronic lower respiratory diseases (3.1%) and Transport accidents (2.9%).

Chart 15: Classification of causes of death for Other Bumiputera, Malaysia, 2023

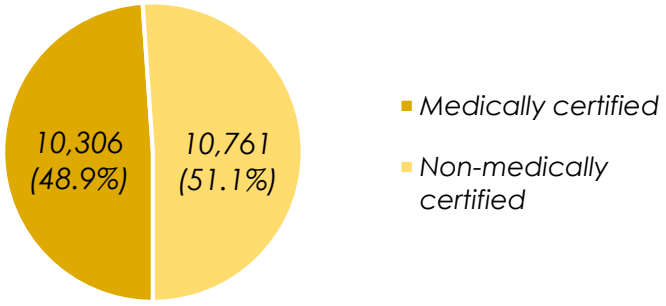
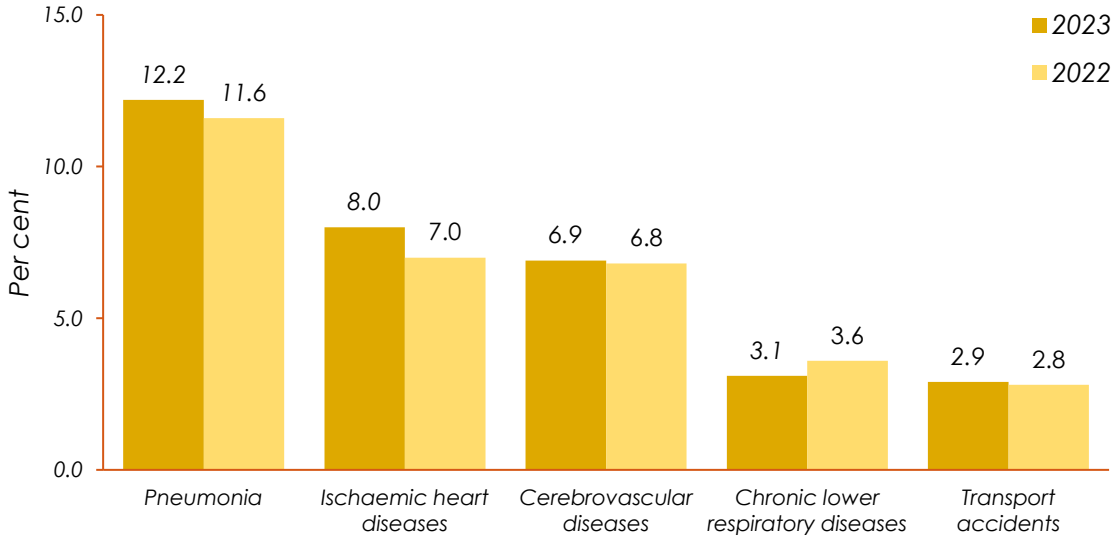


Chart 16: Five principal causes of death for Other Bumiputera, Malaysia, 2022 and 2023



d. Pneumonia was the principal causes of death for Chinese

Chinese recorded 51,834 deaths of which 57.4 per cent (29,733) were medically certified deaths while 42.6 per cent (22,101) were non-medically certified deaths in 2023. Pneumonia was the principal causes of death for Chinese at 16.4 per cent of the 29,733 medically certified deaths. This was followed by Ischaemic heart diseases (14.0%), Cerebrovascular diseases (6.7%), Malignant neoplasm of trachea, bronchus and lung (3.0%) and Malignant neoplasm of colon, rectum and anus (2.9%).

Chart 17: Classification of causes of death for Chinese, Malaysia, 2023

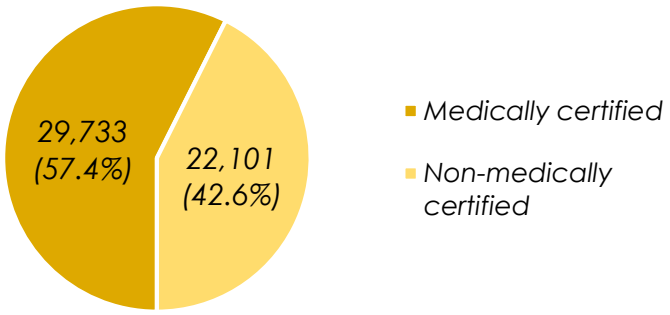
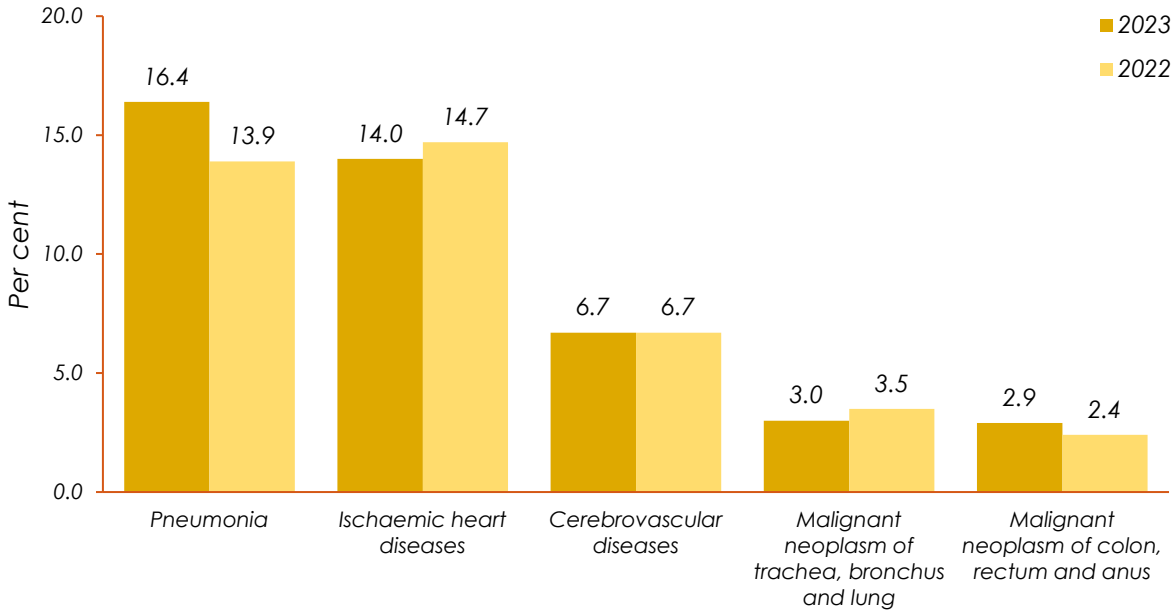


Chart 18: Five principal causes of death for Chinese, Malaysia, 2022 and 2023



e. Ischaemic heart diseases was the principal causes of death for Indians

Indians recorded 16,546 deaths of which 69.1 per cent (11,439) were medically certified deaths while 30.9 per cent (5,107) were non-medically certified deaths in 2023. Ischaemic heart diseases was the principal causes of death for Indians at 20.6 per cent of the 11,439 medically certified deaths. This was followed by Pneumonia (14.3%), Cerebrovascular diseases (5.4%), Transport accidents (4.7%) and Diseases of the liver (2.7%).

Chart 19: Classification of causes of death for Indians, Malaysia, 2023

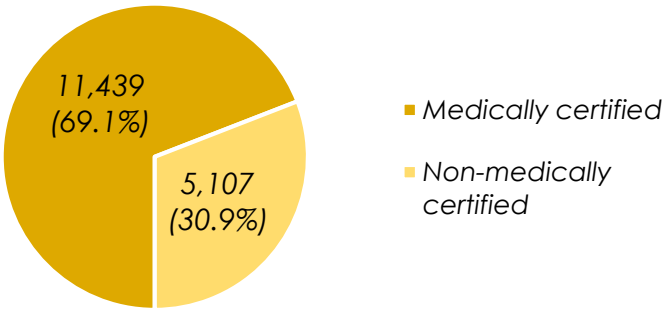
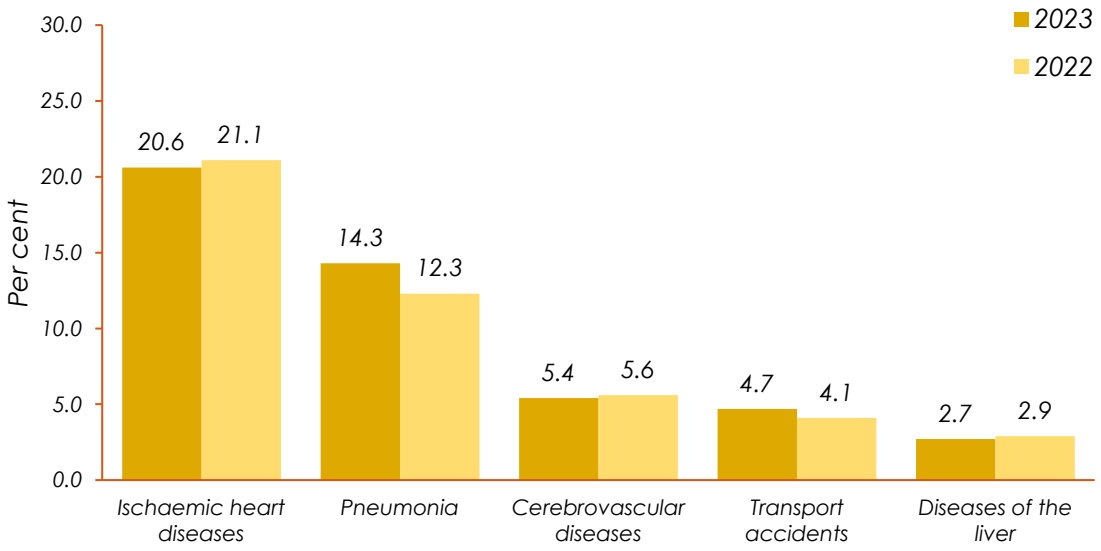


Chart 20: Five principal causes of death for Indians, Malaysia, 2022 and 2023

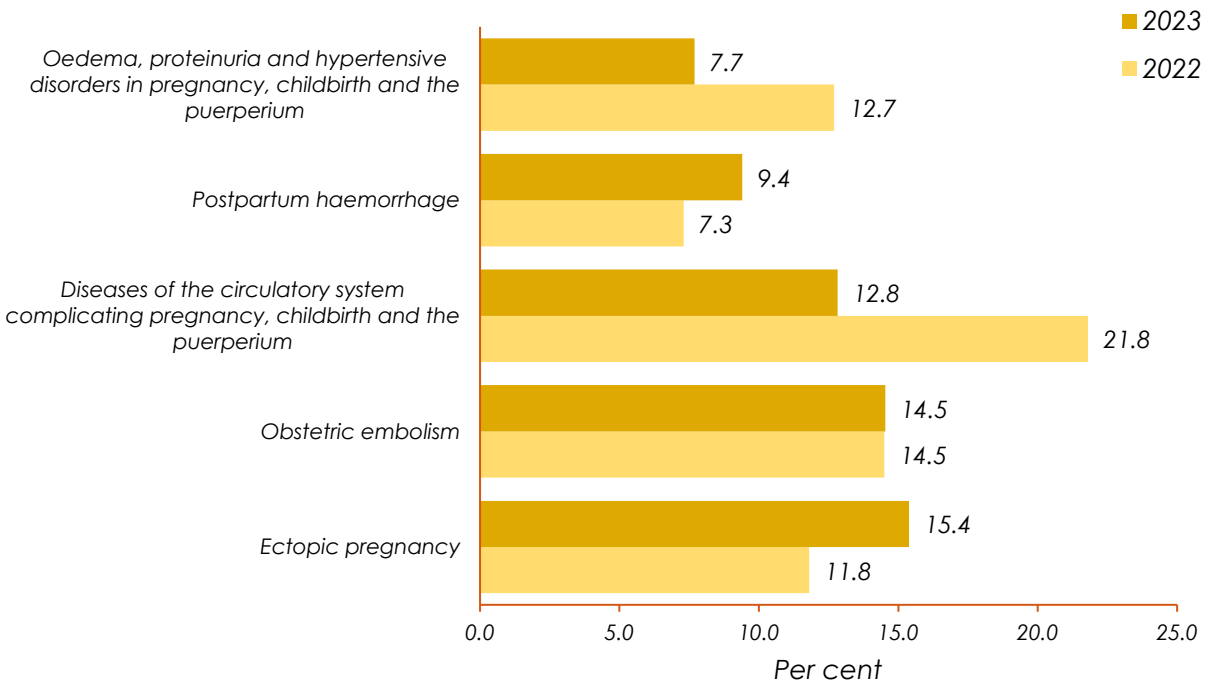


8. PRINCIPAL CAUSES OF DEATH FOR MATERNAL

Ectopic pregnancy recorded as the principal causes of death for maternal

Maternal death increased from 110 deaths in 2022 to 117 deaths in 2023. Maternal mortality ratio showed a decrease from 26.0 (2022) to 25.7 per 100,000 live births. Ectopic pregnancy recorded as the principal causes of death for maternal in 2023 at 15.4 per cent followed by Obstetric embolism (14.5%), Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium (12.8%), Postpartum haemorrhage (9.4%) and Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium (7.7%).

Chart 21: Five principal causes of death for maternal, Malaysia, 2022 and 2023

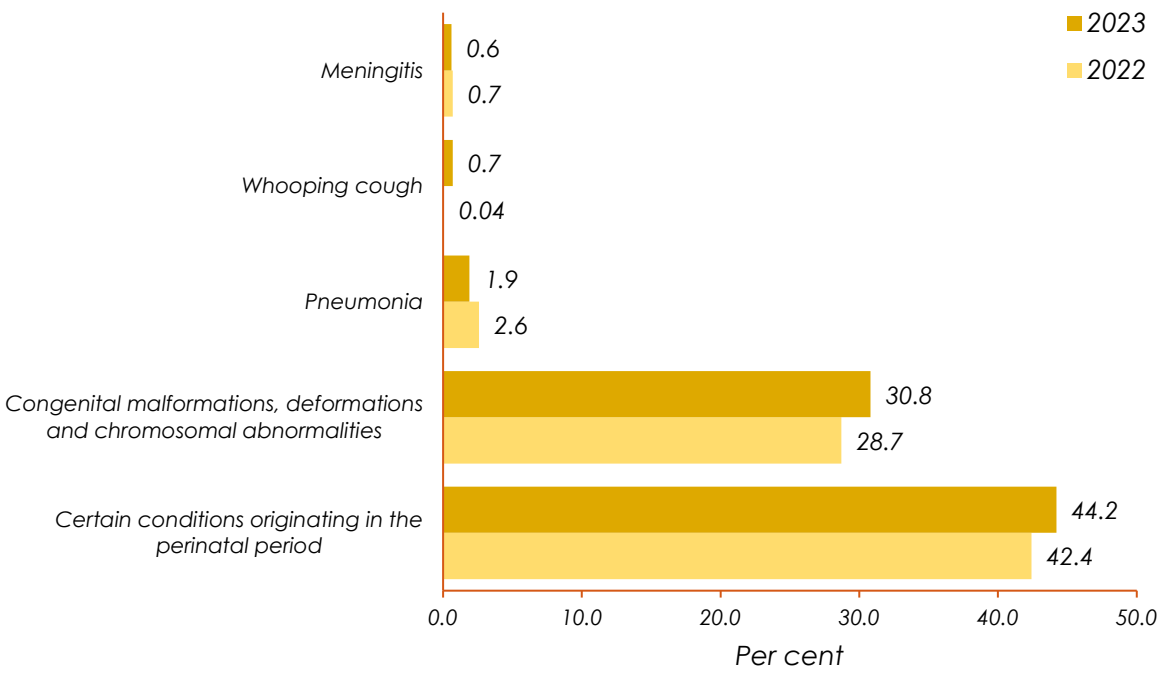


9. PRINCIPAL CAUSES OF DEATH FOR INFANT

Certain conditions originating in the perinatal period remained as the principal causes of death for infant

The number of deaths for infant increased to 3,054 deaths in 2023 as compared to 2,871 deaths in 2022. Certain conditions originating in the perinatal period remained as the principal causes of death for infant in 2023 at 44.2 per cent followed by Congenital malformations, deformations and chromosomal abnormalities (30.8%), Pneumonia (1.9%), Whooping cough (0.7%) and Meningitis (0.6%).

Chart 22: Five principal causes of death for infant, Malaysia, 2022 and 2023

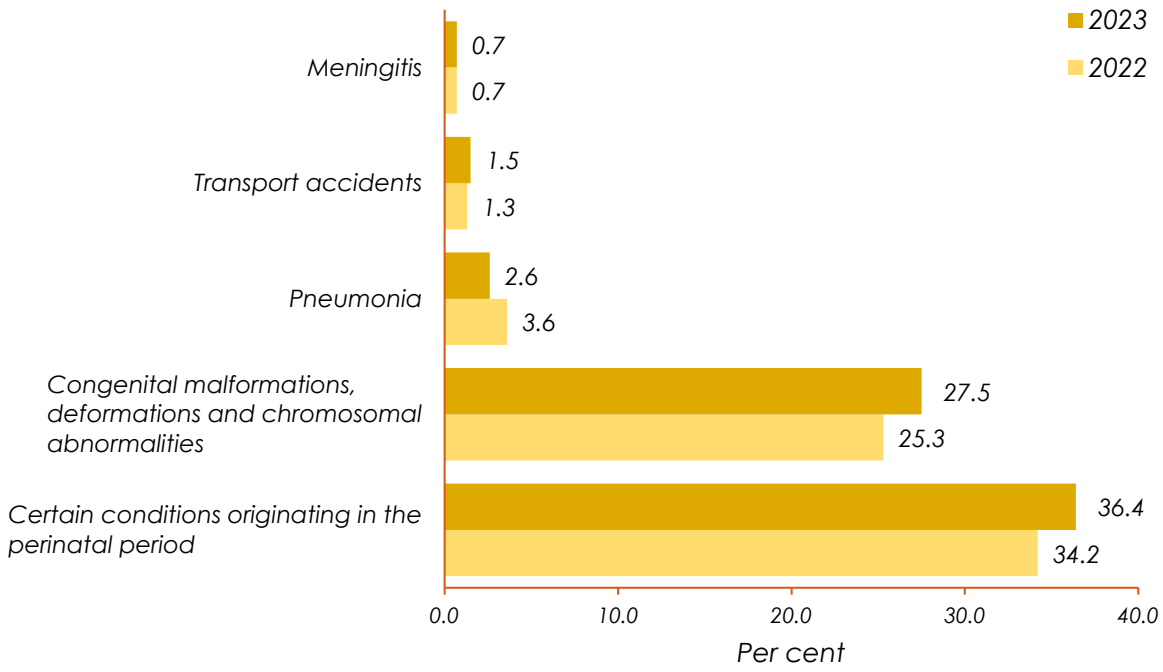


10. PRINCIPAL CAUSES OF DEATH FOR CHILDREN UNDER-5 DEATH

Certain conditions originating in the perinatal period remained as the principal causes of death for children under-5 death

Children under-5 death increased from 3,655 deaths in 2022 to 3,763 deaths in 2023. Certain conditions originating in the perinatal period remained as the principal causes of death for children under-5 death in 2023 at 36.4 per cent followed by Congenital malformations, deformations and chromosomal abnormalities (27.5%), Pneumonia (2.6%), Transport accidents (1.5%) and Meningitis (0.7%).

Chart 23: Five principal causes of children under-5 death, Malaysia, 2022 and 2023



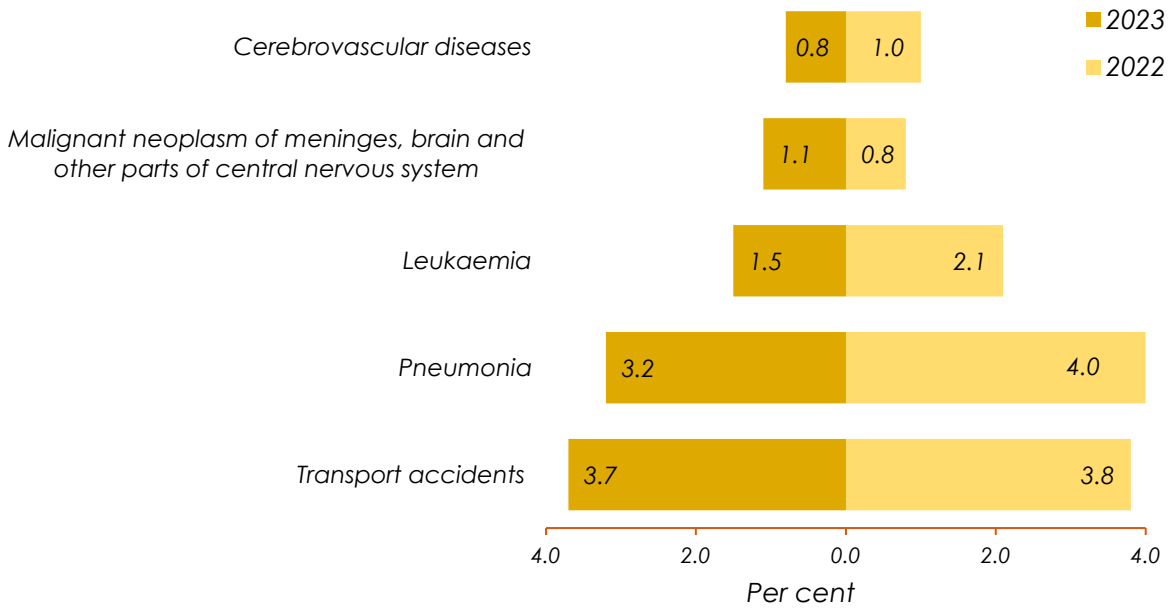
11. PRINCIPAL CAUSES OF DEATH BY SELECTED AGE GROUP

a. Population aged 0 to 14 years

Transport accidents was the principal causes of death for population aged 0 to 14 years

Deaths for the population aged 0 to 14 years increased from 4,755 deaths to 4,933 deaths in 2023. Transport accidents was the principal causes of death for the population aged 0 to 14 years in 2023 at 3.7 per cent of the 4,356 medically certified deaths. This was followed by Pneumonia (3.2%), Leukaemia (1.5%), Malignant neoplasm of meninges, brain and other parts of central nervous system (1.1%) and Cerebrovascular diseases (0.8%).

Chart 24: Five principal causes of death for population aged 0 to 14 years, Malaysia, 2022 and 2023

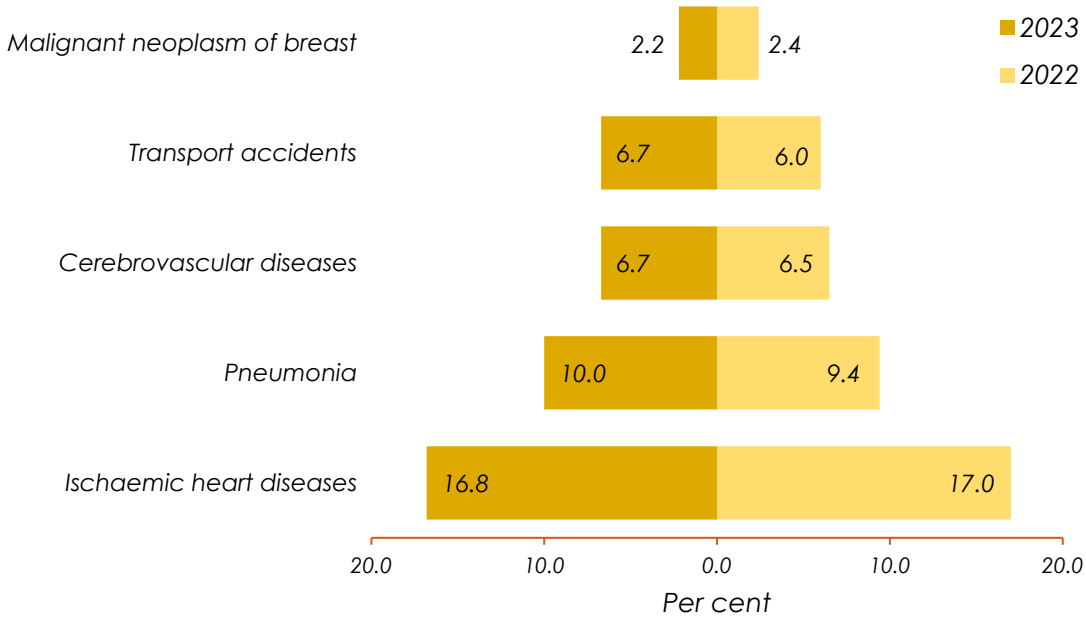


b. Population aged 15 to 64 years

Ischaemic heart diseases remained as the principal causes of death for population aged 15 to 64 years

Deaths for population aged 15 to 64 years decreased from 77,748 (2022) to 73,820 in 2023. Ischaemic heart diseases was the principal causes of death for population aged 15 to 64 years in 2023 at 16.8 per cent of the 53,265 medically certified deaths. This was followed by Pneumonia (10.0%), Cerebrovascular diseases (6.7%), Transport accidents (6.7%) and Malignant neoplasm of breast (2.2%).

Chart 25: Five principal causes of death for population aged 15 to 64 years, Malaysia, 2022 and 2023

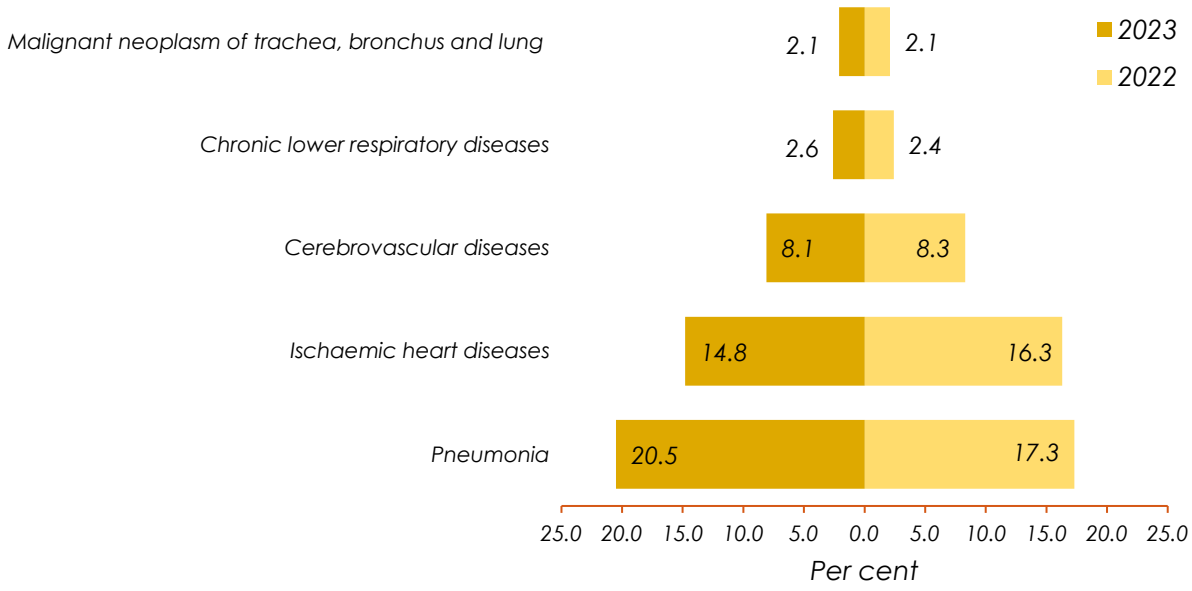


c. Population aged 65 years and over

Pneumonia remained as the principal causes of death for population aged 65 years and over

Deaths for population aged 65 years and over decreased to 118,212 deaths in 2023 as compared to 124,277 deaths (2022). Pneumonia remained as the principal causes of death for population aged 65 years and over in 2023 at 20.5 per cent of the 62,031 medically certified deaths. This was followed by Ischaemic heart diseases (14.8%), Cerebrovascular diseases (8.1%), Chronic lower respiratory diseases (2.6%) and Malignant neoplasm of trachea, bronchus and lung (2.1%).

Chart 26: Five principal causes of death for population aged 65 years and over, Malaysia, 2022 and 2023

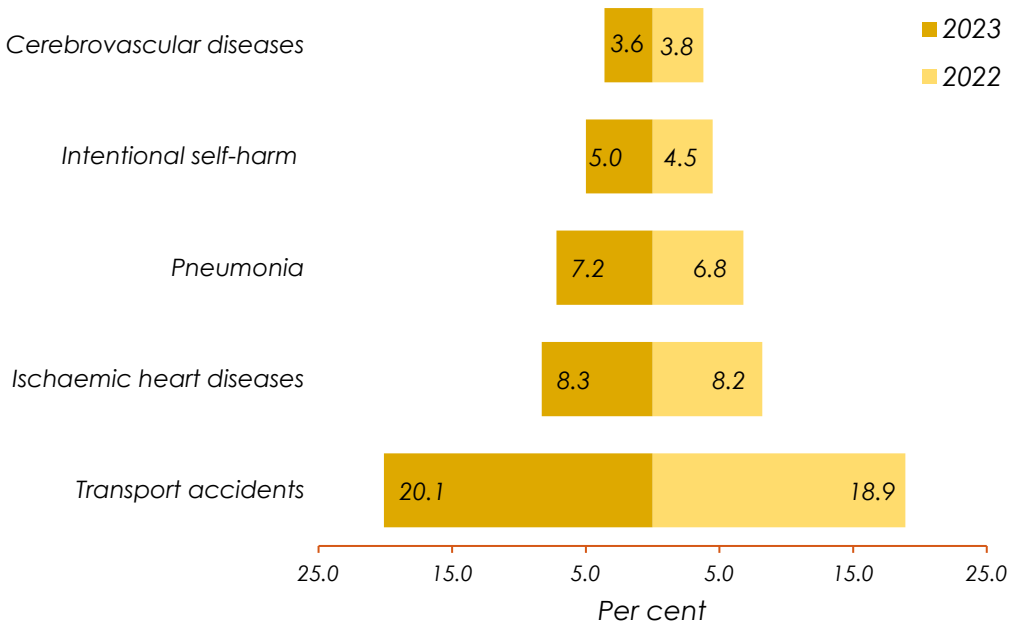


d. Population aged 15 to 40 years

Transport accidents was the principal causes of death for population aged 15 to 40 years

Deaths for the population aged 15 to 40 years decreased from 15,033 deaths (2022) to 14,600 deaths in 2023. Transport accidents was the principal causes of death for population aged 15 to 40 years in 2023 at 20.1 per cent of the 12,099 medically certified deaths. This was followed by Ischaemic heart diseases (8.3%), Pneumonia (7.2%), Intentional self-harm (5.0%) and Cerebrovascular diseases (3.6%).

Chart 27: Five principal causes of death for population aged 15 to 40 years, Malaysia, 2022 and 2023



Note:

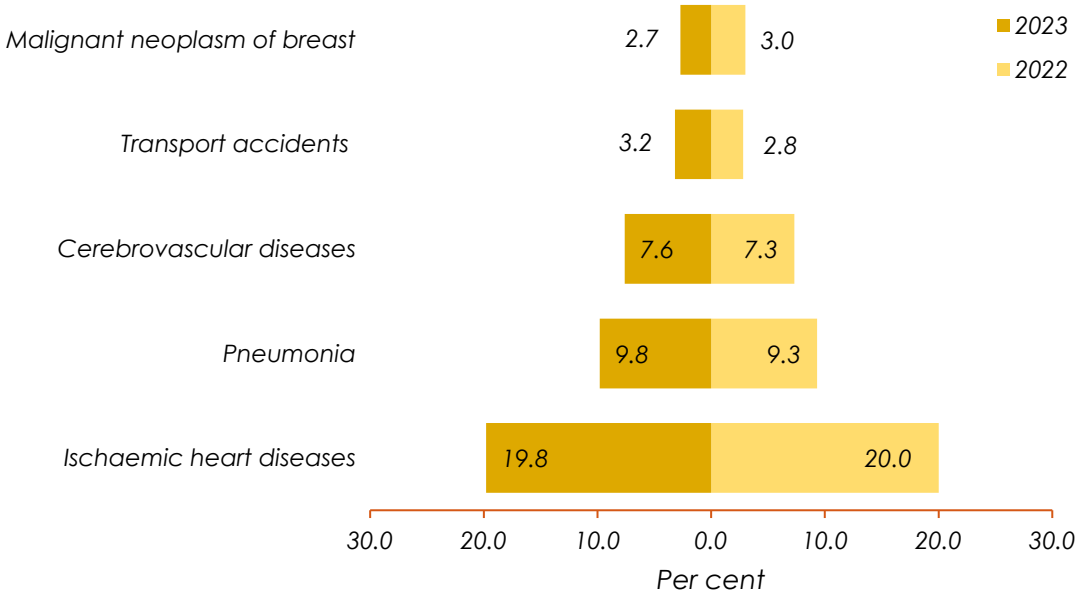
1. *Intentional self-harm refers to suicide*
2. *Population aged 15 to 40 years: The National Youth Development Policy of Malaysia defined youth as young people between the age range of 15 to 40 years.*

e. Population aged 41 to 59 years

Ischaemic heart diseases remained as the principal causes of deaths for population aged 41 to 59 years

Deaths for population aged 41 to 59 years decreased from 41,680 deaths (2022) to 39,767 deaths in 2023. Ischaemic heart diseases remained as the principal causes of death for population aged 41 to 59 years in 2023 at 19.8 per cent of medically certified deaths (28,601). This was followed by Pneumonia (9.8%), Cerebrovascular diseases (7.6%), Transport accidents (3.2%) and Malignant neoplasm of breast (2.7%).

Chart 28: Five principal causes of death for population aged 41 to 59 years, Malaysia, 2022 and 2023



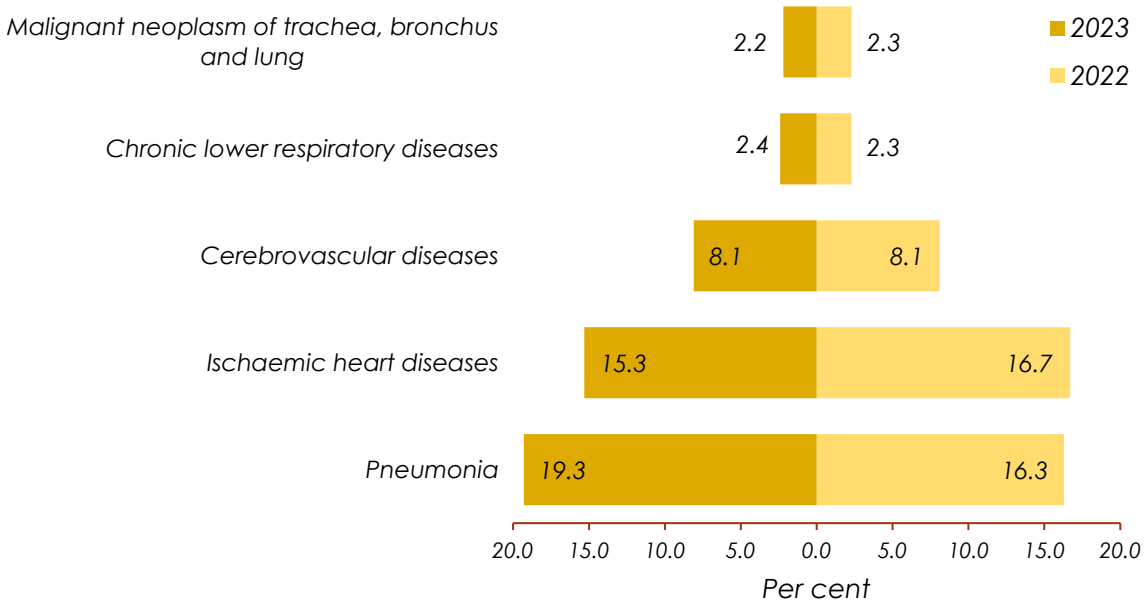
Note:
Previously, a higher number of deaths was recorded by aged 60 years and over. Of late, the number of deaths by age has transitioned from aged 60 years and over to aged 41 to 59 years.

f. Population aged 60 years and over

Pneumonia become the principal causes of death for population aged 60 years and over

Deaths for population aged 60 years and over recorded a decrease from 145,312 deaths (2022) to 137,665 deaths in 2023. Pneumonia was the principal causes of death for population aged 60 years and over in 2023 at 19.3 per cent of the 74,596 medically certified deaths. This was followed by Ischaemic heart diseases (15.3%), Cerebrovascular diseases (8.1%), Chronic lower respiratory diseases (2.4%) and Malignant neoplasm of trachea, bronchus and lung (2.2%).

Chart 29: Five principal causes of death for population aged 60 years and over, Malaysia, 2022 and 2023

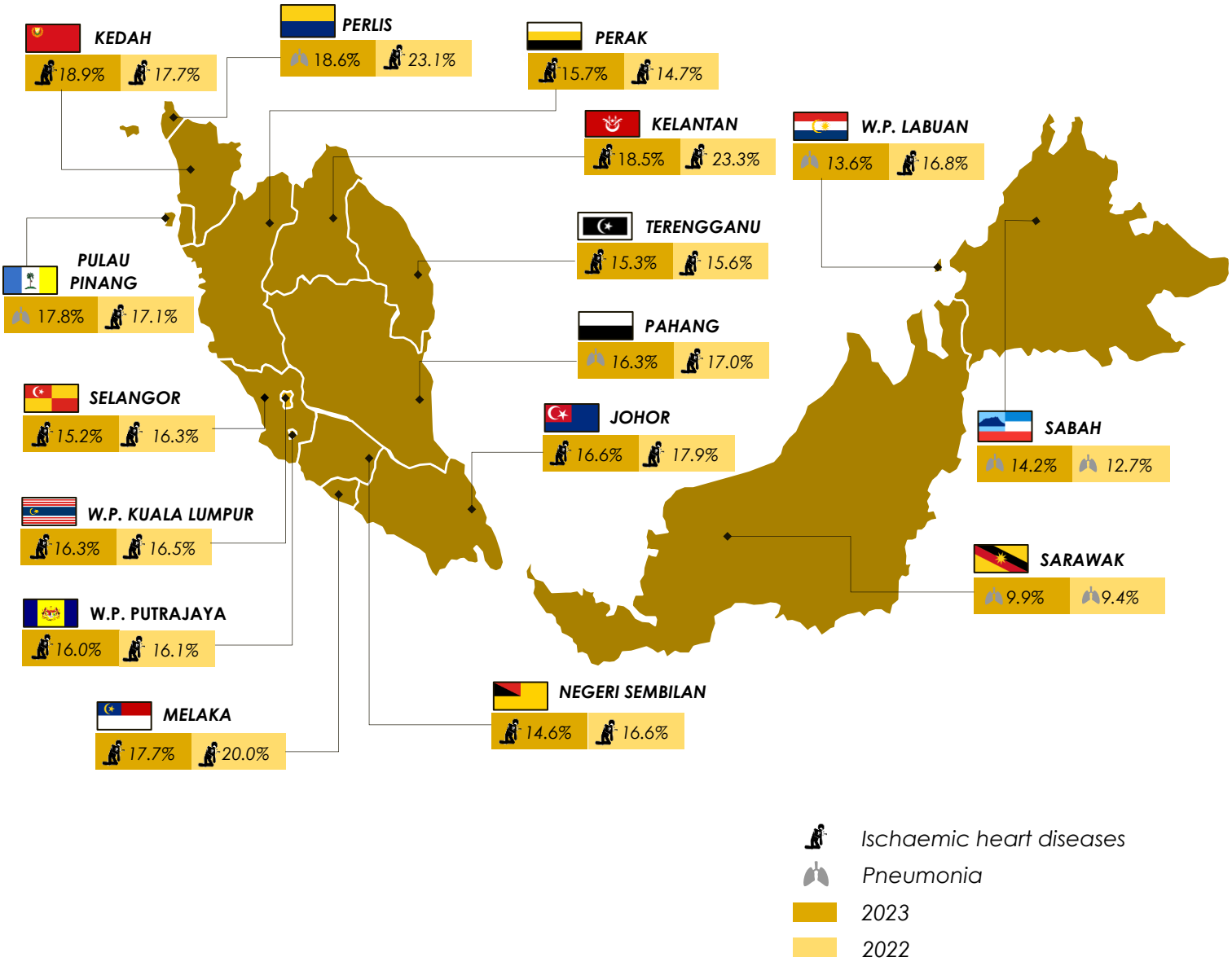


Note:
Population aged 60 years and over: The National Policy for Older Persons defined older person as individuals aged 60 years and over as adopted by United Nations World Assembly on Ageing in Vienna (UN, 1982) and among countries ASEAN

12. PRINCIPAL CAUSES OF DEATH BY STATE

Six states, namely Pahang, Perlis, Pulau Pinang, Sabah, Sarawak and W.P. Labuan recorded Pneumonia as the principal causes of death, while 10 other states recorded Ischaemic heart diseases as principal causes of death in 2023.

Exhibit 1: Principal causes of death by state, Malaysia, 2022 and 2023



13. PRINCIPAL CAUSES OF DEATH BY ADMINISTRATIVE DISTRICT

Pneumonia was the principal causes of death in 78 administrative district and the highest percentage was recorded in Kubang Pasu, Kedah with 26.3 per cent. Meanwhile, Ischaemic heart diseases was the principal causes of death in 65 administrative district with the highest percentage recorded in Langkawi, Kedah (31.3%).

On the other hand, 11 districts recorded Cerebrovascular diseases as the principal causes of death, while Malignant neoplasm of breast in one district (Kalabakan, Sabah) and Hypertensive diseases in one district (Dalat, Sarawak).

Table 2: Principal causes of death by administrative district, 2023

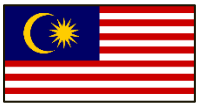
Principal causes of death	Number of administrative districts	Highest percentage administrative district
Pneumonia	*78*	*Kubang Pasu, Kedah (26.3%)*
Ischaemic heart diseases	*65*	*Langkawi, Kedah (31.3%)*
Cerebrovascular diseases	*11*	*Belaga, Sarawak (13.8%)*
Malignant neoplasm of breast	*1*	*Kalabakan, Sabah (8.1%)*
Hypertensive diseases	*1*	*Dalat, Sarawak (7.3%)*

14. PRINCIPAL CAUSES OF DEATH BY SELECTED COUNTRIES

a. Principal causes of death by ASEAN country

Stroke, Cancer and Ischaemic heart diseases were the principal causes of death for ASEAN countries in 2021.

Exhibit 2: Population, Crude deaths rate and the Principal causes of death by ASEAN country, 2021

	 Brunei Darussalam	 Cambodia	 Indonesia	 Lao PDR	 **Malaysia**
Population (million)	0.4	16.8	275.7	7.4	**33.4**
CDR (per 1,000 population)	5.2	6.0	6.6	6.3	**5.9**
Principal causes of death	Cancer	Stroke	COVID-19	Ischaemic heart diseases	**Pneumonia**

	 Myanmar	 Philippines	 Singapore	 Thailand	 Viet Nam
Population (million)	53.4	113.1	5.9	71.7	98.9
CDR (per 1,000 population)	8.3	6.1	6.2	9.0	6.1
Principal causes of death	Stroke	Ischaemic heart diseases	Cancer	Stroke	Stroke

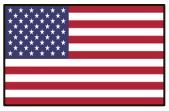
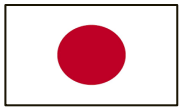
Note:
The latest data for Malaysia, Singapore, Philippines was 2023, while Brunei was 2022 and data for other countries were for 2021

Data source: World Health Organization, National Statistics Office and Ministry of Health in selected countries

b. Principal causes of death by selected countries

Cancer, Dementia and Alzheimer disease and Ischaemic heart diseases were the principal causes of death for selected countries in 2022.

Exhibit 3: Population, Crude Deaths Rate and the Principal causes of death by selected countries, 2022

	 Australia	 United Kingdom	 United States of America	 Japan	 Canada	 Republic of Korea
Population (million)	26.2	67.6	334.9	124.9	39.5	51.6
CDR (per 1,000 population)	7.3	9.6	8.0	12.9	8.6	7.3
Principal causes of death	Ischaemic heart diseases	Dementia and Alzheimer disease	Ischaemic heart diseases	Cancer	Cancer	Cancer

Data source: National Statistics Office and Ministry of Health in selected countries

15. SDG INDICATORS RELATED TO THE STATISTICS ON CAUSES OF DEATH

In September 2015, Malaysia expressed its commitment and support for implementing the 2030 Agenda towards the Sustainable Development Goals (SDG) from 2016 to 2030.

The SDG contains 17 Goals, 169 Targets and 248 Indicators. The statistics on causes of death are part of the indicators listed in Goal 3: Ensure healthy lives and promote well-being for all at all ages. The indicator is 3.4.1 and 3.4.2.

Indicator 3.4.1: Mortality Rate attributed to Cardiovascular diseases, Cancer, Diabetes and Chronic respiratory diseases

Premature deaths refer to deaths that occur between aged 30 to 69 years. Mortality rates for the diseases in 2023 decreased as compared to 2022 except Cancer, which increased from 64.6 deaths to 66.0 deaths per 100,000 population aged 30-69 years. Among the four diseases, Cardiovascular diseases recorded the highest mortality rate.

Table 3: Premature mortality rate attributed Cardiovascular diseases, Cancer, Diabetes and Chronic respiratory diseases, Malaysia, 2022 and 2023

Year	Rate (per 100,000 population aged 30 to 69 years)			
	Cardiovascular diseases	Cancer	Diabetes	Chronic respiratory diseases
2023	130.5	66.0	6.3	15.8
2022	142.1	64.6	7.5	16.7

Indicator 3.4.2: Suicide mortality rate

The number of suicide deaths in Malaysia increased from 641 deaths in 2020 to 1,068 deaths in 2023. Meanwhile, the suicide rate increased from 2.0 deaths in 2020 to 3.2 deaths per 100,000 population in 2023.

Chart 30: Numbers and rates of suicides death, Malaysia, 2020 to 2023

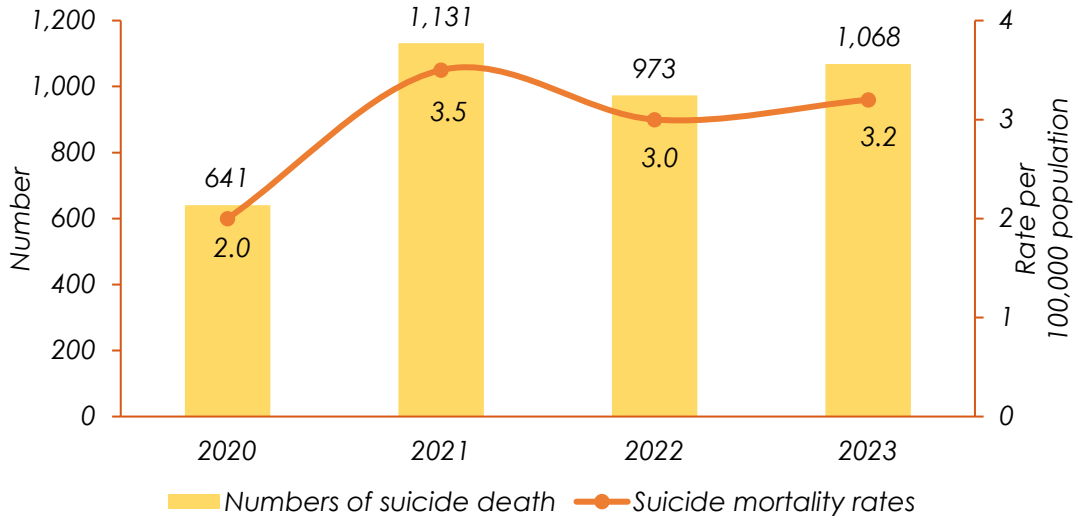


Table 4: Number of suicide deaths by state of occurrence, Malaysia, 2020 to 2023

State	2020	2021	2022	2023
Malaysia	**641**	**1,131**	**973**	**1,068**
Johor	104	162	138	123
Kedah	17	64	48	44
Kelantan	30	14	11	21
Melaka	20	27	16	23
Negeri Sembilan	44	52	39	57
Pahang	38	47	42	40
Perak	55	115	110	98
Perlis	1	5	4	6
Pulau Pinang	66	113	84	123
Sabah	50	51	55	33
Sarawak	40	59	41	45
Selangor	91	277	268	305
Terengganu	15	14	8	13
W.P. Kuala Lumpur	65	124	107	135
W.P. Labuan	-	4	2	2
W.P. Putrajaya	5	3	-	-

ARTIKEL

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LANSKAP KEMATIAN DI MALAYSIA: TREND UMUR DAN NEGERI

(Nur Azmina Ahmad Zuhkhori, Mohamad Shukor Mat Lazim, Nur Shamim Izzati Zakaria)

PENGENALAN

Statistik kematian adalah salah satu aspek penting dalam kajian kesihatan awam yang dapat memberikan gambaran mengenai status kesihatan dan kesejahteraan penduduk sesebuah negara. Menurut Naghavi et al. (2020) statistik kematian yang tepat adalah penting untuk memaklumkan dasar kesihatan dan memantau kemajuan ke arah matlamat kesihatan, kerana ia mencerminkan corak kematian sebenar dan isu kesihatan asas dalam penduduk. Pemahaman mengenai trend kematian mengikut kumpulan umur dan jantina serta perbandingan di antara negeri membolehkan pihak berkuasa kesihatan merancang dan melaksanakan dasar yang berkesan bagi meningkatkan kualiti hidup dan kesejahteraan rakyat.

Penemuan kajian oleh Lukaszyk et al. (2021) menunjukkan umur sangat mempengaruhi risiko kematian iaitu orang dewasa yang lebih tua menunjukkan kadar kematian yang lebih tinggi dan ianya turut dipengaruhi oleh indikator kesihatan yang lain. Statistik menunjukkan bahawa sebab kematian berubah dengan ketara mengikut peringkat umur, daripada penyakit berjangkit dan kecederaan dalam kalangan kanak-kanak kepada penyakit tidak berjangkit seperti penyakit jantung dan kanser dalam kalangan dewasa. Pemahaman terhadap pola kesihatan ini membolehkan pihak berkuasa kesihatan merangka strategi pencegahan yang lebih bersasar untuk mengurangkan kadar kematian dalam setiap kumpulan umur.

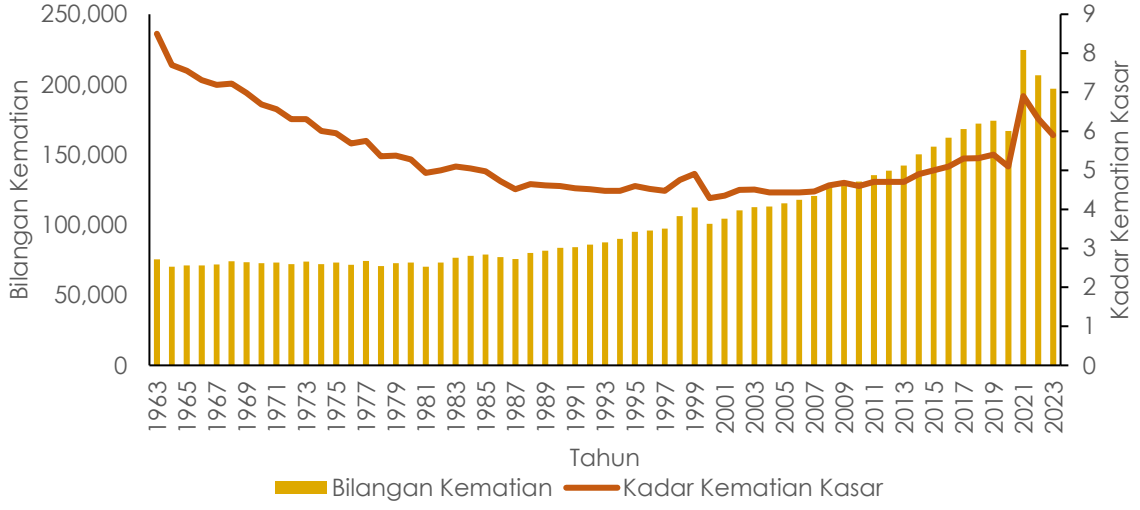
Selain faktor umur, perbezaan geografi juga menyumbang kepada variasi ciri-ciri kadar dan punca kematian di Malaysia. Setiap negeri mempunyai demografi, tahap sosioekonomi dan infrastruktur kesihatan yang berbeza. Menurut Francis (2024), jurang kesihatan adalah berbeza-beza di seluruh negara. Khususnya, individu yang tinggal di negeri di Amerika Syarikat Selatan sering mengalami kadar kematian di umur muda yang lebih tinggi berbanding kawasan lain. Ini boleh disebabkan oleh pelbagai faktor, termasuk akses terhad kepada penjagaan kesihatan berkualiti, kadar kemiskinan yang lebih tinggi dan sumber kesihatan yang lebih sedikit. Artikel ini disediakan untuk membincangkan trend kematian di Malaysia berdasarkan umur dan perbandingan di antara negeri.

KEMATIAN DI MALAYSIA

Bilangan kematian pada 2023 menurun 4.7 peratus daripada 206,780 kematian (2022) kepada 196,965 kematian. Kadar kematian kasar (CDR) menurun daripada 6.3 (2022) kepada 5.9 kematian bagi setiap seribu penduduk pada 2023. Secara purata, kematian di Malaysia meningkat setiap tahun kecuali pada tahun 2000, 2010, 2020 dan tahun sebelum 1990. Jumlah kematian pada tahun 2020 menurun berikutan pengurangan yang ketara dalam jumlah kematian akibat kemalangan jalan raya yang menurun daripada 4,201 kematian pada 2019 kepada 3,169 kematian pada 2020. Pelaksanaan Perintah Kawalan Pergerakan (PKP) mendorong penduduk untuk tinggal di rumah dan menyebabkan pengurangan trafik di jalan raya.

Pelaksanaan PKP menyebabkan sektor industri tidak beroperasi sepenuhnya, penguatkuasaan menggunakan pendekatan norma baharu dan pematuhan prosedur operasi standard telah mengurangkan kadar kemalangan pekerjaan (Berita Harian Metro, 2024). Selain itu, berdasarkan kajian Impak Pandemik COVID-19 terhadap Pertumbuhan dan Daya Tahan Penduduk di Malaysia (R.M. Amin, 2022), penurunan kadar kematian pada 2020 ini disumbangkan oleh faktor pelaksanaan PKP yang telah berjaya menurunkan bilangan kematian disebabkan kemalangan jalan raya dan pengangkutan.

Carta 1: Bilangan kematian di Malaysia, 1963-2023



Sumber: Jabatan Perangkaan Malaysia

Kematian Mengikut Kumpulan Umur

Umur memainkan peranan penting dalam mempengaruhi risiko kematian seseorang, di mana semakin tua seseorang, semakin tinggi kemungkinan terdedah kepada pelbagai masalah kesihatan. Kematian pada usia muda sering disebabkan oleh faktor luaran seperti kemalangan, jangkitan atau kekurangan zat makanan manakala pada usia pertengahan hingga lanjut, penyakit tidak berjangkit seperti penyakit kardiovaskular, kanser dan penyakit kronik lain menjadi penyebab utama. Faktor penuaan menyebabkan penurunan daya tahan tubuh dan keupayaan badan untuk pulih daripada penyakit atau kecederaan menjadikan individu lebih terdedah kepada komplikasi kesihatan. Apabila seseorang meningkat usia, mereka mengalami lebih banyak masalah kesihatan dan proses biologi yang mempengaruhi umur panjang juga menyumbang kepada penyakit berkaitan usia (Niccoli & Partridge, 2012).

Jadual 1: Bilangan kematian mengikut kumpulan umur, 2011-2023

Kumpulan Umur	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% Perubahan (2023/2022)
Jumlah	**135,463**	**138,692**	**142,202**	**150,318**	**155,786**	**162,201**	**168,168**	**172,031**	**174,254**	**167,181**	**224,931**	**206,780**	**196,965**	-4.7
0	3,330	3,277	3,199	3,543	3,582	3,390	3,496	3,622	3,220	2,801	2,704	2,871	3,054	6.4
1-4	762	732	783	841	786	743	799	805	758	641	541	784	709	-9.6
5-9	616	590	554	594	604	578	618	627	547	337	370	481	474	-1.5
10-14	764	784	750	787	798	733	774	691	657	509	501	619	696	12.4
15-19	1,942	2,043	1,958	1,953	1,909	2,032	1,860	1,759	1,596	1,213	1,256	1,467	1,605	9.4
20-24	2,243	2,235	2,313	2,294	2,317	2,466	2,318	2,307	2,147	1,813	2,107	2,118	1,975	-6.8
25-29	2,367	2,283	2,377	2,390	2,464	2,340	2,465	2,414	2,426	2,216	3,033	2,388	2,340	-2.0
30-34	2,711	2,769	2,816	3,009	3,175	3,242	3,156	3,120	3,029	2,923	4,164	3,228	3,070	-4.9
35-39	3,371	3,451	3,495	3,693	3,864	3,974	3,855	4,113	4,155	4,083	6,146	4,678	4,495	-3.9
40-44	4,411	4,545	4,726	4,909	5,108	5,228	5,250	5,323	5,604	5,540	8,392	6,449	6,282	-2.6
45-49	6,255	6,452	6,563	6,995	7,130	7,133	7,427	7,382	7,454	7,446	11,304	8,600	8,177	-4.9
50-54	8,728	9,282	9,323	9,837	10,206	10,353	10,579	10,883	10,735	10,432	14,731	11,873	11,092	-6.6
55-59	10,890	11,178	11,711	12,572	13,134	13,630	14,275	14,544	14,614	13,925	19,431	15,912	15,331	-3.7
60-64	12,767	13,148	13,478	14,345	14,906	16,122	16,907	17,480	18,085	17,092	24,029	21,035	19,453	-7.5
65-69	13,429	14,218	14,416	16,002	16,977	17,650	18,532	19,048	19,581	19,090	26,434	23,653	23,024	-2.7
70-74	16,373	16,365	16,277	16,755	16,775	17,758	19,001	19,494	20,386	20,181	26,957	24,990	24,516	-1.9
75-79	15,938	16,695	17,991	19,096	19,339	19,405	20,151	20,010	19,700	18,630	24,157	24,465	23,450	-4.1
80-84	13,934	13,979	14,127	14,401	15,323	16,944	18,106	19,183	19,509	18,699	22,993	23,434	21,211	-9.5
85-89	8,791	8,895	9,054	9,511	10,413	11,249	11,479	11,612	11,847	11,747	15,519	16,865	16,179	-4.1
90-94	4,237	4,252	4,576	4,894	5,030	5,201	5,100	5,440	5,674	5,626	7,417	7,900	7,150	-9.5
95 dan lebih	1,604	1,519	1,715	1,897	1,946	2,030	2,020	2,174	2,530	2,237	2,745	2,970	2,682	-9.7

Sumber: Jabatan Perangkaan Malaysia

Trend kematian menunjukkan peningkatan pada umur tua, khususnya pada kumpulan umur 65 tahun dan lebih di mana bilangan kematian adalah lebih tinggi berbanding kumpulan umur lain. Kumpulan umur 85 tahun dan lebih adalah penyumbang terbesar dalam kematian dengan merekodkan 186 kematian bagi setiap seribu penduduk, diikuti oleh 80-84 tahun (103 kematian) dan 75-79 tahun (56.8 kematian).

Beberapa kumpulan umur muda seperti kumpulan umur 1-4 tahun dan 5-9 tahun menunjukkan penurunan angka kematian. Keadaan ini menunjukkan bahawa faktor umur memainkan peranan signifikan dalam trend kematian di Malaysia, dengan bilangan kematian yang tinggi berlaku pada umur tua. Menurut Shatikah Ibrahim (2020), kadar kematian warga emas Malaysia bagi lelaki dan perempuan meningkat hampir dalam corak linear mengikut umur, dan trend ini konsisten dari tahun 1950 hingga 2015. Selain itu, penduduk warga emas Malaysia semakin tua lebih cepat daripada generasi sebelumnya.

Jadual 2: Peratus kematian mengikut kumpulan umur, 2011-2023

Kumpulan Umur	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	2.5	2.4	2.2	2.4	2.3	2.1	2.1	2.1	1.8	1.7	1.2	1.4	1.6
1-4	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.2	0.4	0.4
5-9	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2
10-14	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.3	0.4
15-19	1.4	1.5	1.4	1.3	1.2	1.3	1.1	1.0	0.9	0.7	0.6	0.7	0.8
20-24	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.3	1.2	1.1	0.9	1.0	1.0
25-29	1.7	1.6	1.7	1.6	1.6	1.4	1.5	1.4	1.4	1.3	1.3	1.2	1.2
30-34	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.7	1.7	1.9	1.6	1.6
35-39	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.4	2.4	2.4	2.7	2.3	2.3
40-44	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1	3.2	3.3	3.7	3.1	3.2
45-49	4.6	4.7	4.6	4.7	4.6	4.4	4.4	4.3	4.3	4.5	5.0	4.2	4.2
50-54	6.4	6.7	6.6	6.5	6.6	6.4	6.3	6.3	6.2	6.2	6.5	5.7	5.6
55-59	8.0	8.1	8.2	8.4	8.4	8.4	8.5	8.5	8.4	8.3	8.6	7.7	7.8
60-64	9.4	9.5	9.5	9.5	9.6	9.9	10.1	10.2	10.4	10.2	10.7	10.2	9.9
65-69	9.9	10.3	10.1	10.6	10.9	10.9	11.0	11.1	11.2	11.4	11.8	11.4	11.7
70-74	12.1	11.8	11.4	11.1	10.8	10.9	11.3	11.3	11.7	12.1	12.0	12.1	12.4
75-79	11.8	12.0	12.7	12.7	12.4	12.0	12.0	11.6	11.3	11.1	10.7	11.8	11.9
80-84	10.3	10.1	9.9	9.6	9.8	10.4	10.8	11.2	11.2	11.2	10.2	11.3	10.8
85-89	6.5	6.4	6.4	6.3	6.7	6.9	6.8	6.7	6.8	7.0	6.9	8.2	8.2
90-94	3.1	3.1	3.2	3.3	3.2	3.2	3.0	3.2	3.3	3.4	3.3	3.8	3.6
95 dan lebih	1.2	1.1	1.2	1.3	1.2	1.3	1.2	1.3	1.5	1.3	1.2	1.4	1.4

Sumber: Jabatan Perangkaan Malaysia

Penduduk berumur 70-74 tahun mencatatkan peratusan kematian tertinggi pada 2023, iaitu 12.4 peratus daripada jumlah kematian Malaysia, diikuti kumpulan umur 75-79 tahun, iaitu 11.9 peratus.

Kematian Mengikut Negeri

Negeri Johor, Kedah, Kelantan dan Selangor menunjukkan peningkatan konsisten dalam jumlah kematian sepanjang tempoh 2000 hingga 2023. Selangor mencatatkan jumlah kematian tertinggi pada 2021 iaitu 42,165 kematian sebelum menurun kepada 32,646 pada 2023. Negeri-negeri lain seperti W.P. Kuala Lumpur dan Sarawak juga menunjukkan trend yang sama, dengan peningkatan ketara pada 2021 sebelum mencatatkan penurunan selepas tahun tersebut.

Pada masa yang sama, negeri yang mempunyai bilangan penduduk yang rendah seperti Perlis dan W.P. Labuan menunjukkan perubahan yang lebih perlahan dan stabil dalam bilangan kematian sepanjang dekad ini. Sebagai contoh, jumlah kematian di Perlis dan W.P. Labuan kekal di bawah 3,000 kematian sepanjang tempoh tersebut. Data ini mencerminkan beberapa faktor seperti perubahan dalam demografi termasuk penduduk warga emas yang semakin meningkat dan akses kepada penjagaan kesihatan serta impak pandemik COVID-19 yang mempengaruhi pola kematian dalam beberapa tahun terakhir terutamanya pada 2021 di mana kematian meningkat secara signifikan di seluruh negara.

Jadual 3: Bilangan kematian mengikut negeri, 2014-2023

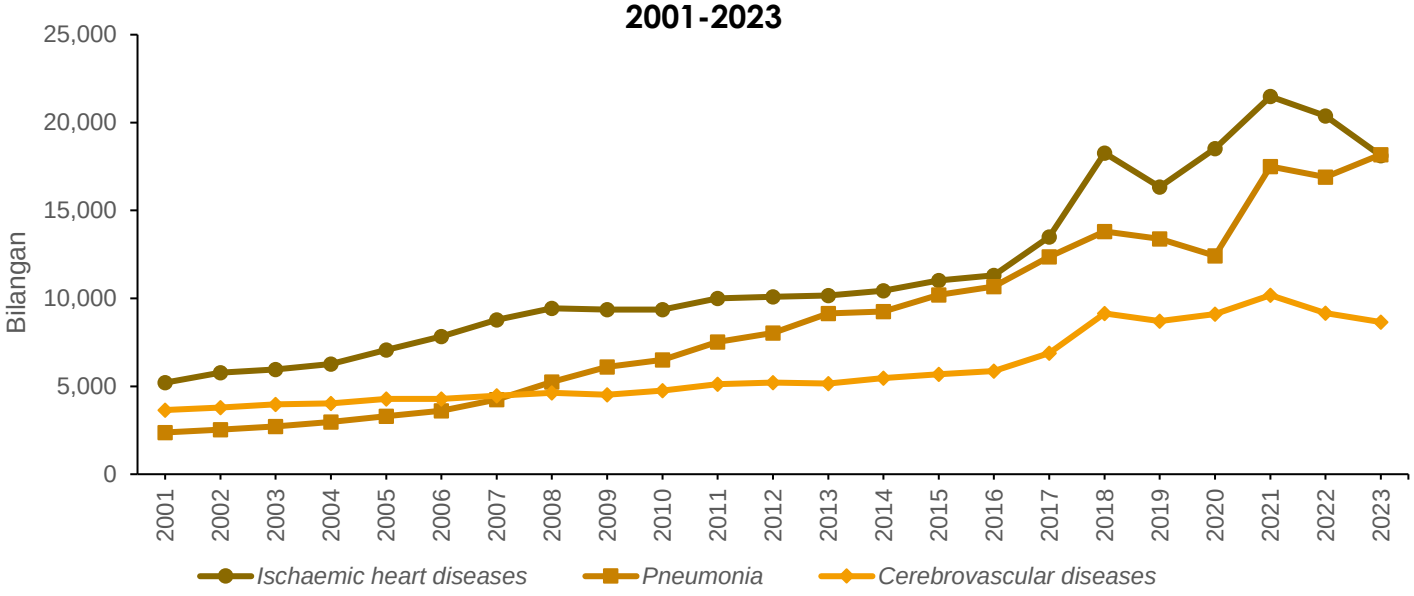
Negeri/ Tahun	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
MALAYSIA	**150,318**	**155,786**	**162,201**	**168,168**	**172,031**	**174,254**	**167,181**	**224,931**	**206,780**	**196,965**
Johor	17,904	18,853	19,924	20,662	21,117	21,799	20,680	27,002	25,342	24,705
Kedah	13,017	13,674	13,771	14,332	14,552	14,302	13,674	18,470	17,637	16,643
Kelantan	10,588	10,789	10,809	11,203	11,316	11,410	10,939	13,927	13,445	11,839
Melaka	4,728	4,959	5,186	5,523	5,407	5,547	5,452	7,094	6,635	6,190
Negeri Sembilan	6,410	6,611	6,810	7,111	7,298	7,168	7,026	9,179	8,645	8,232
Pahang	8,301	8,471	8,878	9,261	9,246	9,179	8,695	10,382	11,031	10,508
Perak	16,925	17,159	17,820	18,047	18,600	18,740	17,959	21,340	22,358	20,839
Perlis	1,671	1,767	1,884	2,004	2,042	1,996	1,950	2,234	2,422	2,171
Pulau Pinang	9,678	10,226	10,729	10,727	11,209	10,896	10,717	14,010	12,937	12,304
Sabah	12,188	12,511	12,834	13,719	13,940	14,713	14,882	18,884	17,414	16,610
Sarawak	11,686	12,200	12,608	13,117	13,828	14,025	14,124	17,608	16,633	16,158
Selangor	22,647	23,804	25,588	26,733	27,387	27,786	25,443	42,165	32,951	32,646
Terengganu	6,460	6,715	6,843	7,048	7,099	7,341	6,738	8,470	8,686	7,857
W.P. Kuala Lumpur	7,647	7,608	8,077	8,205	8,485	8,845	8,369	13,382	9,998	9,646
W.P. Labuan	274	246	277	247	287	298	319	518	393	333
W.P. Putrajaya	194	193	163	229	218	209	214	266	253	284

Sumber: Jabatan Perangkaan Malaysia

SEBAB KEMATIAN UTAMA DI MALAYSIA

Pneumonia merupakan sebab kematian utama di Malaysia pada 2023 dengan 18,181 kematian atau 15.2 peratus daripada jumlah kematian yang disahkan secara perubatan. *Pneumonia* mengatasi *Ischaemic heart diseases* sebagai sebab kematian utama buat kali pertama dalam dua dekad, kecuali *COVID-19 infection (due to)* pada tahun 2021. Bagi tempoh 2001 hingga 2023, *Pneumonia* meningkat daripada 2,374 kematian (5.3%) pada tahun 2001 kepada 18,181 kematian (15.2%) pada 2023. *Ischaemic heart diseases* dan *Cerebrovascular diseases* turut meningkat masing-masing daripada 5,207 dan 3,651 pada 2001 kepada 18,121 dan 8,657 pada 2023.

Carta 2: Trend siri masa tiga sebab kematian utama terpilih, Malaysia, 2001-2023



Sumber: Jabatan Perangkaan Malaysia

Sebab Kematian Utama Mengikut Kumpulan Umur

Kematian bayi mencerminkan kualiti penjagaan kesihatan dan keadaan sosioekonomi. Di Malaysia, sebab kematian utama bayi adalah isu kongenital, kelahiran pramatang, dan jangkitan seperti sepsis neonatal dan jangkitan pernafasan. Bagi kanak-kanak berumur 1 hingga 4 tahun, sebab kematian utama adalah jangkitan pernafasan seperti radang paru-paru serta kecederaan akibat kemalangan, termasuk lemas dan terjatuh.

Transport accidents menjadi penyumbang utama dalam kematian di Malaysia bagi penduduk berumur 10-34 tahun. Pada tahun 2000, *Transport accidents* juga menjadi penyumbang utama dalam sebab kematian bagi penduduk berumur 5-39 tahun. Trend ini menunjukkan *Transport accidents*

mempunyai jurang yang lebih kecil pada tahun 2023 berbanding dengan tahun 2000 bagi kumpulan umur golongan muda. Hk. dan Chauhan (2023) menyatakan bahawa kemalangan jalan raya menjadi punca utama sebab kematian bagi golongan umur 5 hingga 29 tahun. Risiko ini adalah ketara dalam kalangan remaja terutamanya bagi lelaki yang mempunyai keberangkalian yang lebih tinggi dalam kemalangan jalan raya berbanding perempuan.

Jadual 4: Perbandingan sebab kematian utama mengikut kumpulan umur, 2000 dan 2023

Kump. Umur	Sebab Kematian Utama	
	2000	2023
0	*Certain conditions originating in the perinatal period*	*Certain conditions originating in the perinatal period*
1-4	*Congenital malformations, deformations and chromosomal abnormalities*	*Congenital malformations, deformations and chromosomal abnormalities*
5-9	*Transport accidents*	*Leukaemia*
10-14	*Transport accidents*	*Transport accidents*
15-19	*Transport accidents*	*Transport accidents*
20-24	*Transport accidents*	*Transport accidents*
25-29	*Transport accidents*	*Transport accidents*
30-34	*Transport accidents*	*Transport accidents*
35-39	*Transport accidents*	*Ischaemic heart diseases*
40-44	*Ischaemic heart diseases*	*Ischaemic heart diseases*
45-49	*Ischaemic heart diseases*	*Ischaemic heart diseases*
50-54	*Ischaemic heart diseases*	*Ischaemic heart diseases*
55-59	*Ischaemic heart diseases*	*Ischaemic heart diseases*
60-64	*Ischaemic heart diseases*	*Ischaemic heart diseases*
65-69	*Ischaemic heart diseases*	*Ischaemic heart diseases*
70-74	*Ischaemic heart diseases*	*Pneumonia*
75-79	*Ischaemic heart diseases*	*Pneumonia*
80-84	*Ischaemic heart diseases*	*Pneumonia*
85-89	*Ischaemic heart diseases*	*Pneumonia*
90-94	*Pneumonia*	*Pneumonia*
95 dan lebih	*Ischaemic heart diseases*	*Pneumonia*

Sumber: Jabatan Perangkaan Malaysia

Dalam kalangan dewasa berumur 35 hingga 69 tahun, punca utama kematian ialah penyakit tidak berjangkit seperti penyakit kardiovaskular, kanser dan diabetes. Penyakit kardiovaskular, termasuk penyakit jantung dan

strok adalah penyakit yang paling lazim berlaku dan dipengaruhi oleh faktor gaya hidup seperti pemakanan, aktiviti fizikal dan merokok. Kanser paru-paru, payudara dan kolorektal juga penyumbang besar dalam kadar kematian.

Selain itu, dalam kalangan penduduk warga emas, punca kematian kebanyakannya berkaitan dengan penyakit kronik dan keadaan yang berkaitan dengan usia. Penyakit kardiovaskular, penyakit pernafasan kronik, penyakit *Alzheimer* dan strok adalah penyumbang utama kepada kematian dalam kumpulan ini.

Sebab Kematian Utama Mengikut Negeri

Laporan *National Health and Morbidity Survey* (NHMS, 2023) memaparkan lebih daripada setengah juta atau 2.5 peratus dewasa menghidap empat penyakit tidak berjangkit iaitu kencing manis, tekanan darah tinggi, kolestrol tinggi dan obesiti. Penyakit ini merupakan faktor utama bagi penyakit jantung dan angin ahmar/ strok. Penyakit tidak berjangkit adalah penyebab kematian terbesar di Malaysia, meliputi lebih daripada 70 peratus kematian di seluruh negara. Statistik terkini daripada laporan Perangkaan Sebab Kematian Malaysia, 2024 menunjukkan *Ischaemic heart diseases* merupakan sebab kematian utama di 10 negeri. Selangor dan Johor merekodkan peratusan kematian tertinggi disebabkan sebab kematian ini. Penyakit jantung mencatatkan 14.8 peratus kematian di Malaysia pada 2023.

Pneumonia merupakan sebab utama kematian, terutama dalam kalangan orang tua. Sabah dan Sarawak masing-masing merekodkan *Pneumonia* sebagai sebab kematian utama sejak 2013 dan 2016. Negeri yang mencatatkan kadar kematian tertinggi disebabkan *Pneumonia* termasuk Selangor (16.9%), Johor (13.5%) dan Kedah (11.9%). Kedah merekodkan kematian tertinggi disebabkan *Diabetes mellitus* iaitu 370 kematian atau 18.7 peratus. Perak dan Terengganu mencatatkan peratusan kedua tertinggi pada 2023 iaitu 10.0 peratus. NHMS 2015 turut menunjukkan kadar prevalens diabetes di Kedah adalah antara yang tertinggi di Malaysia dan ini selaras dengan kadar obesiti yang lebih tinggi di negeri itu.

Kanser adalah sebab kematian ketiga tertinggi di Malaysia selepas penyakit jantung dan penyakit berkaitan penafasan. Negeri-negeri seperti Selangor, Johor dan Perak merekodkan peratus kematian kanser yang tinggi, terutama kanser paru-paru, payudara, dan kolorektal. Menurut *National Cancer Registry Report* (NCR) 2012-2016, Selangor mencatatkan kadar insiden kanser tertinggi di Malaysia.

Penyakit berkaitan pernafasan seperti *Chronic obstructive pulmonary disease* (COPD) dan asma, adalah penyebab utama kematian di kawasan bandar yang terdedah kepada pencemaran udara, seperti Selangor, W.P. Kuala Lumpur dan Johor. Kajian Kesihatan Kebangsaan (NHMS 2019) melaporkan bahawa kadar penyakit pernafasan lebih tinggi di negeri-negeri ini disebabkan oleh urbanisasi dan pencemaran alam sekitar.

Jadual 5: Sebab kematian mengikut negeri, 2023

Negeri	*Ischaemic heart diseases*		*Pneumonia*		*Transport accidents*		*Diabetes mellitus*	
	Bilangan	Peratus	Bilangan	Peratus	Bilangan	Peratus	Bilangan	Peratus
Malaysia	18,121	15.1	18,181	15.2	4,244	3.5	1,975	1.7
Johor	2,553	14.1	2,451	13.5	612	14.4	194	9.8
Kedah	2,278	12.6	2,157	11.9	469	11.1	370	18.7
Kelantan	1,299	7.2	1,160	6.4	206	4.9	108	5.5
Melaka	628	3.5	409	2.2	143	3.4	28	1.4
Negeri Sembilan	765	4.2	655	3.6	249	5.9	104	5.3
Pahang	896	4.9	999	5.5	300	7.1	106	5.4
Perak	2,002	11.0	1,999	11.0	429	10.1	197	10.0
Perlis	202	1.1	248	1.4	44	1.0	18	0.9
Pulau Pinang	1,209	6.7	1,394	7.7	311	7.3	162	8.2
Sabah	635	3.5	1,134	6.2	181	4.3	73	3.7
Sarawak	640	3.5	773	4.3	153	3.6	121	6.1
Selangor	3,076	17.0	3,072	16.9	775	18.3	139	7.0
Terengganu	776	4.3	692	3.8	214	5.0	197	10.0
W.P. Kuala Lumpur	1,099	6.1	989	5.4	140	3.3	153	7.7
W.P. Labuan	21	0.1	28	0.2	6	0.1	-	-
W.P. Putrajaya	42	0.2	21	0.1	12	0.3	5	0.3

Selain penyakit tidak berjangkit, *Transport accidents* merupakan antara lima sebab utama kematian di Malaysia. Kematian yang direkodkan oleh kemalangan jalan raya pada 2023 adalah 4,244 kematian, meningkat sebanyak 5.8 peratus berbanding 2022 (4,011 kematian). Selangor merekodkan kematian tertinggi iaitu 18.3 peratus, diikuti oleh Johor (14.4%), Kedah (11.1%) dan Perak (10.1%).

Berdasarkan laporan PDRM, sebanyak 598,635 kes kemalangan jalan raya telah dilaporkan di Malaysia bagi 2023. Selangor mencatatkan jumlah kes kemalangan tertinggi dengan 173,129 kes, diikuti Johor (87,370 kes) dan

W.P. Kuala Lumpur (72,701 kes). Selangor juga turut mencatatkan jumlah kematian paling tinggi diikuti Johor dan Perak.

Jadual 6: Perbandingan sebab kematian utama mengikut Negeri, 2000 dan 2023

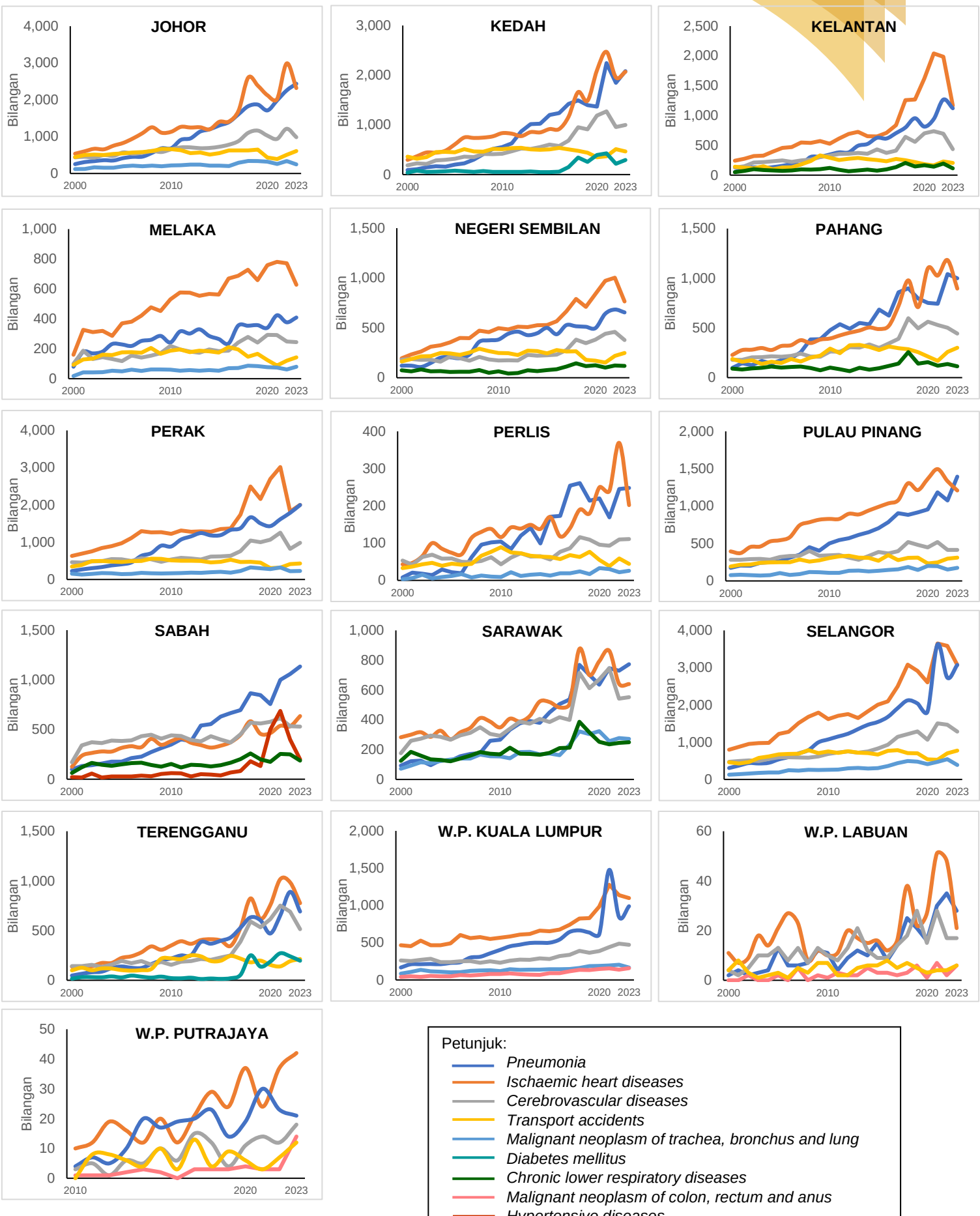
Negeri	Sebab Kematian Utama	
	2000	2023
Malaysia	*Ischaemic heart diseases*	*Pneumonia*
Johor	*Ischaemic heart diseases*	*Ischaemic heart diseases*
Kedah	*Transport Accidents*	*Ischaemic heart diseases*
Kelantan	*Ischaemic heart diseases*	*Ischaemic heart diseases*
Melaka	*Ischaemic heart diseases*	*Ischaemic heart diseases*
Negeri Sembilan	*Ischaemic heart diseases*	*Ischaemic heart diseases*
Pahang	*Ischaemic heart diseases*	*Pneumonia*
Perak	*Ischaemic heart diseases*	*Ischaemic heart diseases*
Perlis	*Cerebrovascular diseases*	*Pneumonia*
Pulau Pinang	*Ischaemic heart diseases*	*Pneumonia*
Sabah	*Cerebrovascular diseases*	*Pneumonia*
Sarawak	*Ischaemic heart diseases*	*Pneumonia*
Selangor	*Ischaemic heart diseases*	*Ischaemic heart diseases*
Terengganu	*Cerebrovascular diseases*	*Ischaemic heart diseases*
W.P. Kuala Lumpur	*Ischaemic heart diseases*	*Ischaemic heart diseases*
W.P. Labuan	*Ischaemic heart diseases*	*Pneumonia*
W.P. Putrajaya	-	*Ischaemic heart diseases*

Sumber: Jabatan Perangkaan Malaysia

Setiap negeri mungkin mempunyai punca kematian yang berbeza disebabkan beberapa faktor utama seperti perbezaan demografi, akses kepada perkhidmatan penjagaan kesihatan, gaya hidup dan keadaan sosioekonomi. Seperti yang dinyatakan oleh Jiang et al (2024), faktor demografi seperti umur dan komposisi etnik mempengaruhi risiko penyakit dengan ketara, kerana profil risiko genetik berbeza-beza merentas populasi dan kumpulan umur yang berbeza, mempengaruhi kerentanan dan perkembangan penyakit.

Pelbagai keadaan yang dikaitkan dengan lebihan kematian akibat penjagaan kesihatan yang tidak berkualiti menunjukkan bahawa penambahbaikan menyeluruh terhadap keseluruhan sistem kesihatan adalah perlu, dan bukannya hanya menumpukan pada campur tangan yang berkualiti untuk penyakit tertentu. Sesetengah kematian yang kini diklasifikasikan sebagai boleh dicegah dapat dielakkan melalui langkah pencegahan utama yang berkesan dalam sistem kesihatan (Kruk et al (2018).

Carta 3: Lima Sebab Kematian Utama Mengikut Negeri, Malaysia, 2000-2023



KESIMPULAN

Trend kematian di Malaysia berdasarkan umur dan perbezaan antara negeri memberikan pandangan penting untuk meningkatkan kesejahteraan masyarakat. Faktor seperti umur, akses kepada perkhidmatan penjagaan kesihatan, dan keadaan sosioekonomi memainkan peranan penting dalam mempengaruhi risiko dan punca kematian di seluruh negara. Penyakit tidak berjangkit seperti penyakit jantung dan kanser adalah punca utama kematian di kalangan orang dewasa, manakala kematian akibat kemalangan dan penyakit berjangkit lebih ketara dalam kalangan kumpulan umur yang lebih muda. Pada masa yang sama, negeri dengan populasi warga emas yang lebih besar mencatatkan kadar kematian yang lebih tinggi. Pemahaman yang lebih mendalam tentang faktor umur dan geografi membolehkan dasar kesihatan yang lebih inklusif dan berkesan dapat dilaksanakan untuk kesejahteraan seluruh rakyat Malaysia serta sejajar dengan matlamat pembangunan mampan global.

PENAFIAN

Pandangan yang dikemukakan dalam rencana ini adalah pandangan penulis dan tidak semestinya mewakili Jabatan Perangkaan Malaysia (DOSM).

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ARTICLE

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MALAYSIA'S MORTALITY LANDSCAPE: AGE AND STATE TRENDS

(Nur Azmina Ahmad Zuhkhori, Mohamad Shukor Mat Lazim, Nur Shamim Izzati Zakaria)

INTRODUCTION

Mortality statistics are one of the main aspects in public health research that provide an overview of the health status and well-being of a country's population. According to Naghavi et al. (2020), accurate mortality statistics are essential for informing health policies and monitoring progress towards health goals, as they reflect actual mortality patterns and underlying health issues in the population. Understanding mortality trends by age group and gender, as well as comparison between states, enables health authorities to plan and implement effective policies to improve the quality of life and well-being of citizens.

Findings by Lukaszyk et al. (2021) shows that age significantly influences the risk of death, with older adults showing higher mortality rates, which are also affected by other health indicators. Statistics showed that causes of death vary significantly by age group, from infectious diseases and injuries among children to non-communicable diseases such as heart disease and cancer among adults. By understanding these patterns, health authorities can design more targeted prevention strategies to reduce mortality rates across different age groups.

In addition to age factors, geographical differences also contribute to variations in mortality rates and causes of death in Malaysia. Each state has different demographics, socioeconomic levels and health infrastructure. According to Francis (2024), health disparities varied across the country. In particular, individuals living in the South United States often experience higher rates of early death compared to other regions. This can be due to a variety of factors, including limited access to quality healthcare, higher rates of poverty, and fewer health resources. This article is published to explore mortality trends in Malaysia focusing on age and comparison among state.

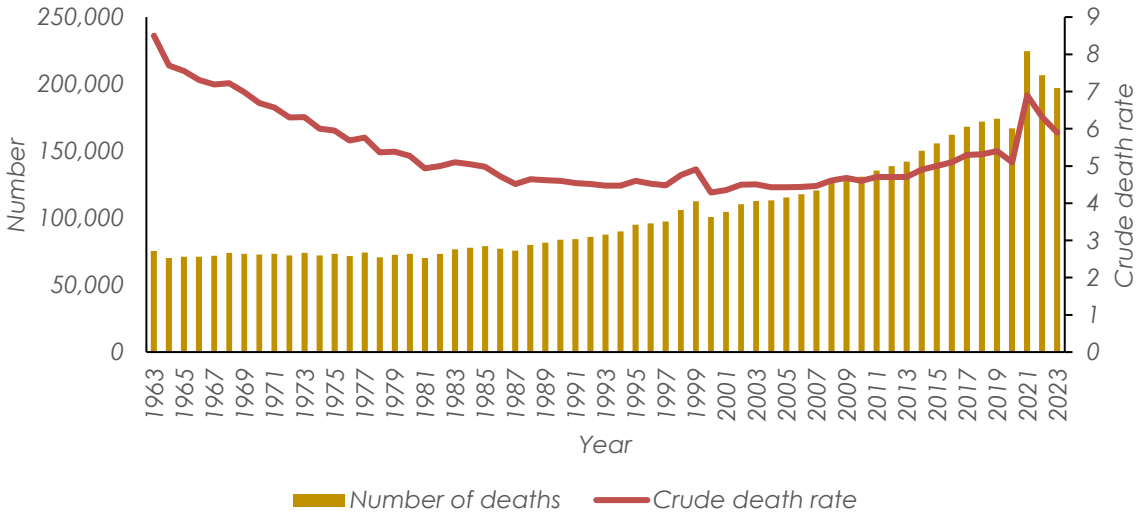
MORTALITY IN MALAYSIA

The number of deaths in 2023 decreased by 4.7 per cent from 206,780 deaths (2022) to 196,965 deaths. The crude death rate (CDR) decreased from 6.3 (2022) to 5.9 deaths per thousand population in 2023. On average, deaths in Malaysia have increased every year except in 2000, 2010, 2020 and before

1990. The number of deaths in 2020 decreased due to significant reduction in number of deaths for road accidents which decrease from 4,201 deaths in 2019 to 3,169 deaths in 2020. The implementation of the Movement Control Order (MCO) required people to stay at home and led to a reduction in traffic on the roads.

The implementation of the MCO led the industrial sector to operate at low capacity and the enforcement of new norms and compliance with standard operating procedures contribute to a reduction in workplace accidents (Berita Harian Metro, 2024). Additionally, based on the study "Impact of the COVID-19 Pandemic on Population Growth and Resilience in Malaysia" (R.M. Amin, 2022), the decline in the mortality rate in 2020 was attributed to the implementation of the MCO, which successfully reduced the number of deaths caused by road and transportation accidents.

Chart 1: Number of deaths in Malaysia, 1963-2023



Source: Department of Statistics Malaysia

Mortality by Age Group

Age plays an important role in influencing a person's risk of death, as the older a person gets, the higher the likelihood of being exposed to various health issues. Deaths at young age is often caused by external factors such as accidents, infections or malnutrition, where as in middle to old age, non-communicable diseases such as cardiovascular diseases, cancer and other chronic conditions become the main causes. The ageing process leads to a decline in the body's resilience and its ability to recover from illness or injury,

making individuals more vulnerable to health complications. As people age, they experience more health problems and the biological processes that affect longevity also contribute to age-related diseases (Niccoli & Partridge, 2012).

Table 1: Deaths by Age Group, 2011-2023

Age Group	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% Change (2023/2022)
Total	**135,463**	**138,692**	**142,202**	**150,318**	**155,786**	**162,201**	**168,168**	**172,031**	**174,254**	**167,181**	**224,931**	**206,780**	**196,965**	-4.7
0	3,330	3,277	3,199	3,543	3,582	3,390	3,496	3,622	3,220	2,801	2,704	2,871	3,054	6.4
1-4	762	732	783	841	786	743	799	805	758	641	541	784	709	-9.6
5-9	616	590	554	594	604	578	618	627	547	337	370	481	474	-1.5
10-14	764	784	750	787	798	733	774	691	657	509	501	619	696	12.4
15-19	1,942	2,043	1,958	1,953	1,909	2,032	1,860	1,759	1,596	1,213	1,256	1,467	1,605	9.4
20-24	2,243	2,235	2,313	2,294	2,317	2,466	2,318	2,307	2,147	1,813	2,107	2,118	1,975	-6.8
25-29	2,367	2,283	2,377	2,390	2,464	2,340	2,465	2,414	2,426	2,216	3,033	2,388	2,340	-2.0
30-34	2,711	2,769	2,816	3,009	3,175	3,242	3,156	3,120	3,029	2,923	4,164	3,228	3,070	-4.9
35-39	3,371	3,451	3,495	3,693	3,864	3,974	3,855	4,113	4,155	4,083	6,146	4,678	4,495	-3.9
40-44	4,411	4,545	4,726	4,909	5,108	5,228	5,250	5,323	5,604	5,540	8,392	6,449	6,282	-2.6
45-49	6,255	6,452	6,563	6,995	7,130	7,133	7,427	7,382	7,454	7,446	11,304	8,600	8,177	-4.9
50-54	8,728	9,282	9,323	9,837	10,206	10,353	10,579	10,883	10,735	10,432	14,731	11,873	11,092	-6.6
55-59	10,890	11,178	11,711	12,572	13,134	13,630	14,275	14,544	14,614	13,925	19,431	15,912	15,331	-3.7
60-64	12,767	13,148	13,478	14,345	14,906	16,122	16,907	17,480	18,085	17,092	24,029	21,035	19,453	-7.5
65-69	13,429	14,218	14,416	16,002	16,977	17,650	18,532	19,048	19,581	19,090	26,434	23,653	23,024	-2.7
70-74	16,373	16,365	16,277	16,755	16,775	17,758	19,001	19,494	20,386	20,181	26,957	24,990	24,516	-1.9
75-79	15,938	16,695	17,991	19,096	19,339	19,405	20,151	20,010	19,700	18,630	24,157	24,465	23,450	-4.1
80-84	13,934	13,979	14,127	14,401	15,323	16,944	18,106	19,183	19,509	18,699	22,993	23,434	21,211	-9.5
85-89	8,791	8,895	9,054	9,511	10,413	11,249	11,479	11,612	11,847	11,747	15,519	16,865	16,179	-4.1
90-94	4,237	4,252	4,576	4,894	5,030	5,201	5,100	5,440	5,674	5,626	7,417	7,900	7,150	-9.5
95 and over	1,604	1,519	1,715	1,897	1,946	2,030	2,020	2,174	2,530	2,237	2,745	2,970	2,682	-9.7

Source: Department of Statistics Malaysia

Mortality trends show an increase in older age, particularly in age group 65 years and over, where the number of deaths is higher as compared to other age groups. Age group 85 years and over is the largest contributor to mortality, recording 186 deaths per thousand people, followed by the population aged 80-84 years (103 deaths) and 75-79 years (56.8 deaths).

Several younger age groups, such as age group 1-4 years and 5-9 years, showed a decrease in mortality rates. This indicates that age plays a significant role in mortality trends in Malaysia, with high mortality rates occured in older age groups. According to Shatikah Ibrahim (2020), the mortality rate of elderly Malaysians, for both men and women, has increased in an almost linear pattern with age and this trend has been consistent from 1950 to 2015. Additionally, Malaysia's elderly population is ageing faster than previous generations.

Table 2: Percentage of death by age group, 2011-2023

Age Group	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	2.5	2.4	2.2	2.4	2.3	2.1	2.1	2.1	1.8	1.7	1.2	1.4	1.6
1-4	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.2	0.4	0.4
5-9	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2
10-14	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.3	0.4
15-19	1.4	1.5	1.4	1.3	1.2	1.3	1.1	1.0	0.9	0.7	0.6	0.7	0.8
20-24	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.3	1.2	1.1	0.9	1.0	1.0
25-29	1.7	1.6	1.7	1.6	1.6	1.4	1.5	1.4	1.4	1.3	1.3	1.2	1.2
30-34	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.7	1.7	1.9	1.6	1.6
35-39	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.4	2.4	2.4	2.7	2.3	2.3
40-44	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1	3.2	3.3	3.7	3.1	3.2
45-49	4.6	4.7	4.6	4.7	4.6	4.4	4.4	4.3	4.3	4.5	5.0	4.2	4.2
50-54	6.4	6.7	6.6	6.5	6.6	6.4	6.3	6.3	6.2	6.2	6.5	5.7	5.6
55-59	8.0	8.1	8.2	8.4	8.4	8.4	8.5	8.5	8.4	8.3	8.6	7.7	7.8
60-64	9.4	9.5	9.5	9.5	9.6	9.9	10.1	10.2	10.4	10.2	10.7	10.2	9.9
65-69	9.9	10.3	10.1	10.6	10.9	10.9	11.0	11.1	11.2	11.4	11.8	11.4	11.7
70-74	12.1	11.8	11.4	11.1	10.8	10.9	11.3	11.3	11.7	12.1	12.0	12.1	12.4
75-79	11.8	12.0	12.7	12.7	12.4	12.0	12.0	11.6	11.3	11.1	10.7	11.8	11.9
80-84	10.3	10.1	9.9	9.6	9.8	10.4	10.8	11.2	11.2	11.2	10.2	11.3	10.8
85-89	6.5	6.4	6.4	6.3	6.7	6.9	6.8	6.7	6.8	7.0	6.9	8.2	8.2
90-94	3.1	3.1	3.2	3.3	3.2	3.2	3.0	3.2	3.3	3.4	3.3	3.8	3.6
95 and over	1.2	1.1	1.2	1.3	1.2	1.3	1.2	1.3	1.5	1.3	1.2	1.4	1.4

Source: Department of Statistics Malaysia

The population aged 70-74 years recorded the highest percentage of deaths in 2023, accounting for 12.4 per cent of Malaysia's total deaths, followed by the age group 75-79 years, which accounted for 11.9 per cent.

Mortality by State

Johor, Kedah, Kelantan and Selangor showed a consistent increase in the number of deaths during 2000 to 2023. Selangor recorded the highest number of deaths in 2021 with 42,165 deaths before declining to 35,646 in 2023. Other states, such as W.P. Kuala Lumpur and Sarawak, exhibited a similar trend, with a significant increase in 2021 before declining again in the reference period.

At the same time, states with smaller populations like Perlis and W.P. Labuan displayed slower and more stable changes in the number of deaths throughout the decade. For example, the number of deaths in Perlis and W.P. Labuan remained below 3,000 throughout this period. This data may reflect several factors, such as demographic changes, including the increasing elderly population and access to healthcare, as well as the impact of the COVID-19 pandemic, which affected mortality patterns in recent years, particularly in 2021, when deaths rose significantly across the country.

Table 3: Number of deaths by state, 2014-2023

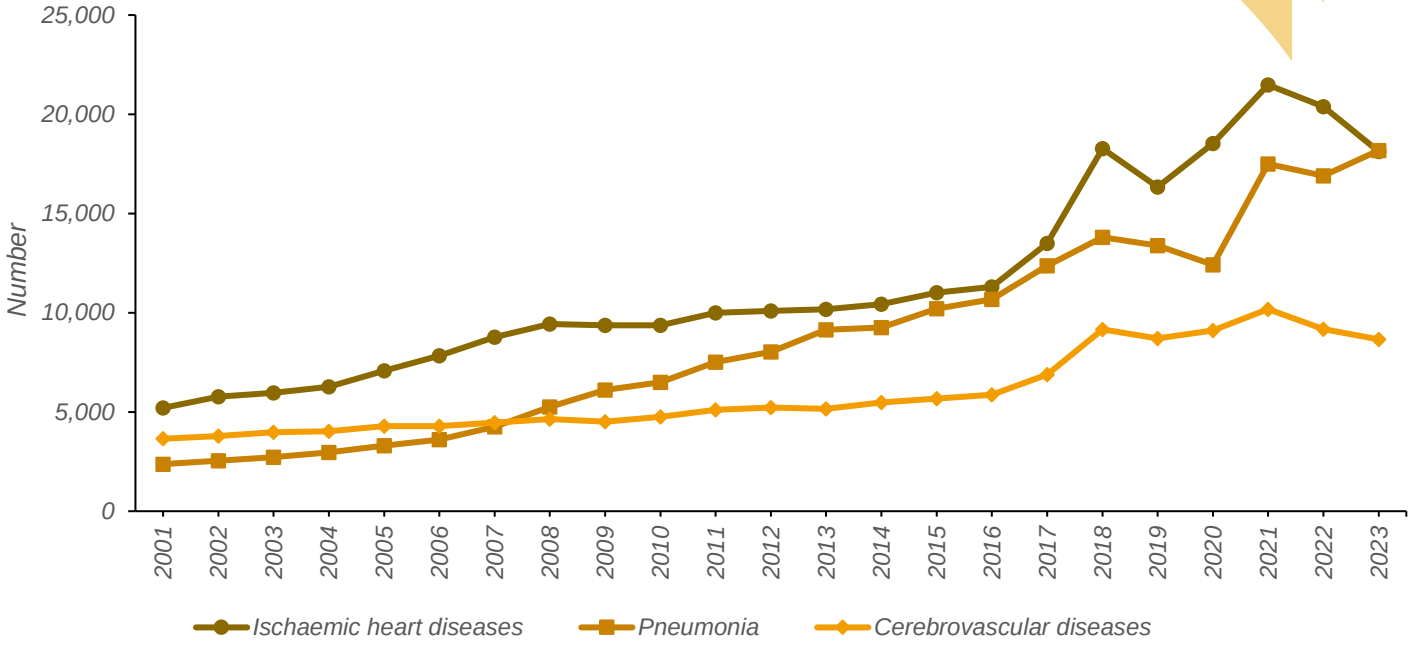
State/ Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
MALAYSIA	**150,318**	**155,786**	**162,201**	**168,168**	**172,031**	**174,254**	**167,181**	**224,931**	**206,780**	**196,965**
Johor	17,904	18,853	19,924	20,662	21,117	21,799	20,680	27,002	25,342	24,705
Kedah	13,017	13,674	13,771	14,332	14,552	14,302	13,674	18,470	17,637	16,643
Kelantan	10,588	10,789	10,809	11,203	11,316	11,410	10,939	13,927	13,445	11,839
Melaka	4,728	4,959	5,186	5,523	5,407	5,547	5,452	7,094	6,635	6,190
Negeri Sembilan	6,410	6,611	6,810	7,111	7,298	7,168	7,026	9,179	8,645	8,232
Pahang	8,301	8,471	8,878	9,261	9,246	9,179	8,695	10,382	11,031	10,508
Perak	16,925	17,159	17,820	18,047	18,600	18,740	17,959	21,340	22,358	20,839
Perlis	1,671	1,767	1,884	2,004	2,042	1,996	1,950	2,234	2,422	2,171
Pulau Pinang	9,678	10,226	10,729	10,727	11,209	10,896	10,717	14,010	12,937	12,304
Sabah	12,188	12,511	12,834	13,719	13,940	14,713	14,882	18,884	17,414	16,610
Sarawak	11,686	12,200	12,608	13,117	13,828	14,025	14,124	17,608	16,633	16,158
Selangor	22,647	23,804	25,588	26,733	27,387	27,786	25,443	42,165	32,951	32,646
Terengganu	6,460	6,715	6,843	7,048	7,099	7,341	6,738	8,470	8,686	7,857
W.P. Kuala Lumpur	7,647	7,608	8,077	8,205	8,485	8,845	8,369	13,382	9,998	9,646
W.P. Labuan	274	246	277	247	287	298	319	518	393	333
W.P. Putrajaya	194	193	163	229	218	209	214	266	253	284

Source: Department of Statistics Malaysia

PRINCIPAL CAUSES OF DEATH IN MALAYSIA

Pneumonia was the principal cause of death in 2023, with 18,181 deaths or 15.2 per cent of the medically certified deaths. Pneumonia supersedes Ischaemic heart diseases as the principal causes of death for the first time in two decades, except in 2021 when COVID-19 infection (due to) was the principal causes of deaths. For the period of 2001 to 2023, Pneumonia showed an increase from 2,374 deaths (5.3%) in 2001 to 18,181 deaths (15.2%) in 2023. Ischaemic heart diseases and Cerebrovascular diseases also increased from 5,207 and 3,651 in 2001 to 18,121 and 8,657 in 2023, respectively.

Chart 2: Time series trend for top three selected principal causes of death, Malaysia, 2001-2023



Source: Department of Statistics Malaysia

Principal Causes of Death by Age Group

Infant mortality reflects the quality of healthcare and socioeconomic conditions. In Malaysia, the principal causes of death for infants are congenital issues, premature birth and infections such as neonatal sepsis and respiratory infections. For children aged 1 to 4 years, the primary causes of death are respiratory infections, such as pneumonia, as well as injuries from accidents, including drowning and falls.

Transport accidents are the principal causes of death for the population aged 10 to 34 years. In 2000, Transport accidents were also the principal causes of death for the population aged 5 to 39 years. This trend indicates that Transport accidents had a narrower gap in 2023 as compared to 2000 among the younger age group. Hk and Chauhan (2023) said that road accidents are the principal causes of death for the population aged 5 to 29 years. This risk is significant among teenagers, especially males, who are more likely to be involved in road accidents as compared to females.

Table 4: Comparison principal causes of death by age group, 2000 and 2023

Age Group	Principal Causes of Death	
	2000	2023
0	Certain conditions originating in the perinatal period	Certain conditions originating in the perinatal period
1-4	Congenital malformations, deformations and chromosomal abnormalities	Congenital malformations, deformations and chromosomal abnormalities
5-9	Transport accidents	Leukaemia
10-14	Transport accidents	Transport accidents
15-19	Transport accidents	Transport accidents
20-24	Transport accidents	Transport accidents
25-29	Transport accidents	Transport accidents
30-34	Transport accidents	Transport accidents
35-39	Transport accidents	Ischaemic heart diseases
40-44	Ischaemic heart diseases	Ischaemic heart diseases
45-49	Ischaemic heart diseases	Ischaemic heart diseases
50-54	Ischaemic heart diseases	Ischaemic heart diseases
55-59	Ischaemic heart diseases	Ischaemic heart diseases
60-64	Ischaemic heart diseases	Ischaemic heart diseases
65-69	Ischaemic heart diseases	Ischaemic heart diseases
70-74	Ischaemic heart diseases	Pneumonia
75-79	Ischaemic heart diseases	Pneumonia
80-84	Ischaemic heart diseases	Pneumonia
85-89	Ischaemic heart diseases	Pneumonia
90-94	Pneumonia	Pneumonia
95 and over	Ischaemic heart diseases	Pneumonia

Source: Department of Statistics Malaysia

Among adults aged 35 to 69 years, non-communicable diseases such as cardiovascular diseases, cancer and diabetes are the principal causes of death. Cardiovascular diseases, including heart disease and stroke are the most common, influenced by lifestyle factors such as diet, physical activity and smoking. Cancer, particularly lung, breast and colorectal cancer, also significantly impacts mortality rates.

Additionally, among the elderly population, the causes of death are mostly related to chronic diseases and age-related conditions. Cardiovascular diseases, chronic respiratory diseases, Alzheimer disease and stroke are the main contributors to death in this group.

Principal Causes of Death by State

Reports from the National Health and Morbidity Survey (NHMS) 2023 showed that more than half a million or 2.5 per cent of adults, suffer from four non-communicable diseases, namely diabetes, hypertension, high cholesterol and obesity. These diseases are major risk factors for heart disease and stroke. Non-communicable diseases are the principal causes of death in Malaysia, accounting for more than 70 per cent of deaths. According to the Statistics on Cause of Death report 2024, Ischaemic heart diseases are the principal causes of death in 10 states. Selangor and Johor recorded the highest percentages of deaths due to this cause. Heart disease registered 14.8 per cent of deaths in Malaysia in 2023.

Pneumonia is the principal cause of death, particularly among the elderly. Sabah and Sarawak recorded Pneumonia as the principal causes of deaths since 2013 and 2016, respectively. The states that recorded the highest mortality rate due to Pneumonia include Selangor (16.9%), Johor (13.5%) and Kedah (11.9%). Kedah recorded the highest number of deaths due to Diabetes mellitus with 370 deaths or 18.7 per cent. This was followed by Perak and Terengganu which recorded the second highest percentage at 10.0 per cent in 2023. NHMS 2015 showed that the prevalence rate of diabetes in Kedah is among the highest in Malaysia and this is in line with the higher obesity rates in that state.

Cancer is the third leading causes of death after heart diseases. States such as Selangor, Johor and Perak recorded the highest percentage of cancer mortality, particularly lung, breast and colorectal cancer. According to the National Cancer Registry Report (NCR) 2012-2016, Selangor had the highest cancer incidence rate in Malaysia.

Respiratory diseases, such as Chronic obstructive pulmonary disease (COPD) and asthma, are major causes of death in urban areas exposed to air pollution, such as Selangor, W.P. Kuala Lumpur and Johor. NHMS 2019 report indicated that respiratory disease rates are higher in these states due to urbanisation and environmental pollution.

Table 5: Causes of Death by State, 2023

State	Ischaemic heart diseases		Pneumonia		Transport accidents		Diabetes mellitus	
	Number	%	Number	%	Number	%	Number	%
Malaysia	18,121	15.1	18,181	15.2	4,244	3.5	1,975	1.7
Johor	2,553	14.1	2,451	13.5	612	14.4	194	9.8
Kedah	2,278	12.6	2,157	11.9	469	11.1	370	18.7
Kelantan	1,299	7.2	1,160	6.4	206	4.9	108	5.5
Melaka	628	3.5	409	2.2	143	3.4	28	1.4
Negeri Sembilan	765	4.2	655	3.6	249	5.9	104	5.3
Pahang	896	4.9	999	5.5	300	7.1	106	5.4
Perak	2,002	11.0	1,999	11.0	429	10.1	197	10.0
Perlis	202	1.1	248	1.4	44	1.0	18	0.9
Pulau Pinang	1,209	6.7	1,394	7.7	311	7.3	162	8.2
Sabah	635	3.5	1,134	6.2	181	4.3	73	3.7
Sarawak	640	3.5	773	4.3	153	3.6	121	6.1
Selangor	3,076	17.0	3,072	16.9	775	18.3	139	7.0
Terengganu	776	4.3	692	3.8	214	5.0	197	10.0
W.P. Kuala Lumpur	1,099	6.1	989	5.4	140	3.3	153	7.7
W.P. Labuan	21	0.1	28	0.2	6	0.1	-	-
W.P. Putrajaya	42	0.2	21	0.1	12	0.3	5	0.3

In addition to non-communicable diseases, Transport accidents are among the top five causes of death in Malaysia. The number of deaths recorded from road accidents in 2023 was 4,244, an increase of 5.8 per cent as compared to 2022 (4,011 deaths). Selangor recorded the highest death toll at 18.3 per cent, followed by Johor (14.4%), Kedah (11.1%) and Perak (10.1%).

According to a report by the Royal Malaysia Police (RMP), a total of 598,635 road accident cases were reported in Malaysia in 2023. Selangor recorded the highest number of accident cases with 173,129, followed by Johor (87,370 cases) and W.P. Kuala Lumpur (72,701 cases). Selangor also recorded the highest number of deaths, followed by Johor and Perak.

Table 6: Comparison Principal Causes of Death by State, 2000 and 2023

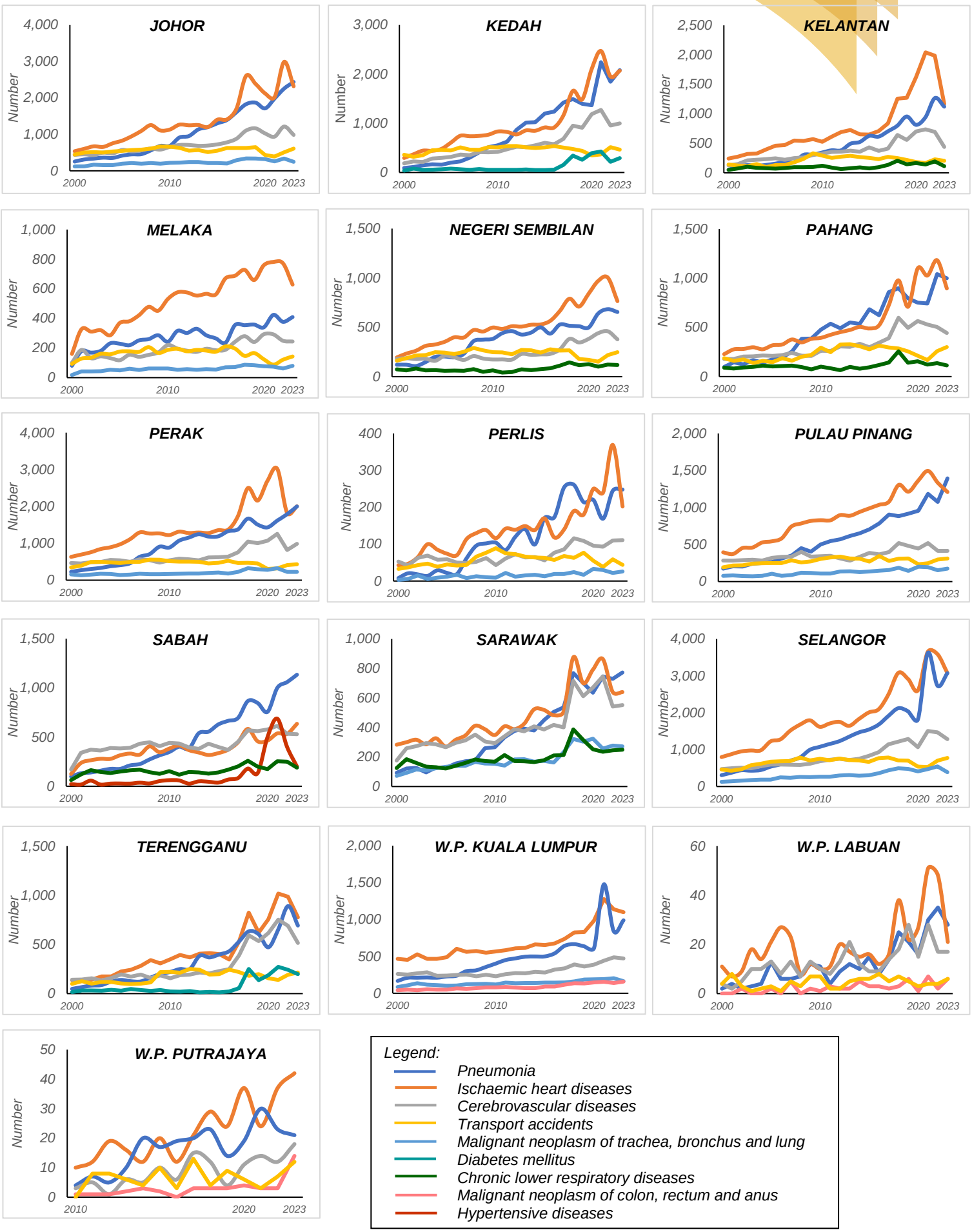
State	Principal Causes of Death	
	2000	2023
Malaysia	Ischaemic heart diseases	Pneumonia
Johor	Ischaemic heart diseases	Ischaemic heart diseases
Kedah	Transport accidents	Ischaemic heart diseases
Kelantan	Ischaemic heart diseases	Ischaemic heart diseases
Melaka	Ischaemic heart diseases	Ischaemic heart diseases
Negeri Sembilan	Ischaemic heart diseases	Ischaemic heart diseases
Pahang	Ischaemic heart diseases	Pneumonia
Perak	Ischaemic heart diseases	Ischaemic heart diseases
Perlis	Cerebrovascular disease	Pneumonia
Pulau Pinang	Ischaemic heart diseases	Pneumonia
Sabah	Cerebrovascular diseases	Pneumonia
Sarawak	Ischaemic heart diseases	Pneumonia
Selangor	Ischaemic heart diseases	Ischaemic heart diseases
Terengganu	Cerebrovascular diseases	Ischaemic heart diseases
W.P. Kuala Lumpur	Ischaemic heart diseases	Ischaemic heart diseases
W.P. Labuan	Ischaemic heart diseases	Pneumonia
W.P. Putrajaya	-	Ischaemic heart diseases

Source: Department of Statistics Malaysia

Each state may have different causes of death due to several key factors such as demographic differences, access to healthcare services, lifestyle and socioeconomic conditions. As stated by Jiang et al (2024), demographic factors like age and ethnic composition significantly influence disease risk, as genetic risk profiles vary across different populations and age groups, affecting disease susceptibility and progression.

The wide range of conditions linked to excess mortality due to poor-quality healthcare indicates that a comprehensive improvement of the entire health system is necessary, rather than just focusing on quality interventions for specific diseases. Some deaths currently classified as preventable could have been avoided through effective primary prevention measures within the health system (Kruk et al., 2018).

Chart 3: Trend for top five principal causes of death, Malaysia, 2000-2023



CONCLUSION

The mortality trends in Malaysia based on age and differences between states provides important insights for improving the well-being of society. Factors such as age, access to healthcare services, and socioeconomic conditions play a significant role in influencing the risk and causes of death across the country. Non-communicable diseases such as heart disease and cancer are the leading causes of death among adults, while deaths due to accidents and infectious diseases are more prominent among younger age groups. At the same time, states with larger elderly populations recorded a higher mortality rate. A deeper understanding of age and geographic factor allows more inclusive and effective health policies to be implemented for the well-being of all Malaysian, as well as aligning with the global sustainable development goal.

DISCLAIMER

The view expressed in this article are those of the authors and do not necessarily represent the views of DOSM.

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JADUAL
TABLES

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KEMATIAN
DEATHS

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Jadual 1.1: Kematian (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 1.1: Deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian *Deaths*			**Kadar kematian kasar** *Crude death rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**196,965**	**112,293**	**84,672**	**5.9**	**6.4**	**5.3**
Johor	**24,705**	14,200	10,505	**6.0**	6.5	5.5
Kedah	**16,643**	9,301	7,342	**7.6**	8.3	6.8
Kelantan	**11,839**	6,514	5,325	**6.4**	7.0	5.8
Melaka	**6,190**	3,456	2,734	**6.0**	6.4	5.6
Negeri Sembilan	**8,232**	4,724	3,508	**6.7**	7.4	6.0
Pahang	**10,508**	6,082	4,426	**6.4**	7.0	5.7
Perak	**20,839**	11,735	9,104	**8.2**	8.9	7.5
Perlis	**2,171**	1,179	992	**7.4**	8.1	6.8
Pulau Pinang	**12,304**	6,851	5,453	**6.9**	7.5	6.3
Sabah	**16,610**	9,680	6,930	**4.6**	5.2	4.0
Sarawak	**16,158**	9,211	6,947	**6.5**	7.1	5.7
Selangor	**32,646**	19,029	13,617	**4.5**	5.0	4.0
Terengganu	**7,857**	4,441	3,416	**6.5**	7.2	5.8
W.P. Kuala Lumpur	**9,646**	5,531	4,115	**4.8**	5.2	4.4
W.P. Labuan	**333**	194	139	**3.4**	3.8	2.9
W.P. Putrajaya	**284**	165	119	**2.4**	2.8	2.0

Kadar adalah bagi setiap 1,000 penduduk

The rates are per 1,000 population

Jadual 1.2: Kematian (bilangan dan kadar) mengikut kumpulan etnik dan jantina, Malaysia, 2023

Table 1.2: Deaths (number and rate) by ethnic group and sex, Malaysia, 2023

		Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Warganegara *Citizen*	**Kematian** *Deaths*	**193,313**	**110,066**	**83,247**
	Kadar kematian kasar *Crude death rate*	**6.4**	7.1	5.5
Bumiputera	**Kematian** *Deaths*	**122,896**	69,247	53,649
	Kadar kematian kasar *Crude death rate*	**5.8**	6.4	5.1
Melayu *Malay*	**Kematian** *Deaths*	**101,829**	57,224	44,605
	Kadar kematian kasar *Crude death rate*	**5.8**	6.4	5.1
Bumiputera Lain *Other Bumiputera*	**Kematian** *Deaths*	**21,067**	12,023	9,044
	Kadar kematian kasar *Crude death rate*	**5.7**	6.4	4.9
Cina *Chinese*	**Kematian** *Deaths*	**51,834**	29,955	21,879
	Kadar kematian kasar *Crude death rate*	**7.5**	8.6	6.5
India *Indians*	**Kematian** *Deaths*	**16,546**	9,691	6,855
	Kadar kematian kasar *Crude death rate*	**8.3**	9.6	6.9
Lain-lain *Others*	**Kematian** *Deaths*	**2,037**	1,173	864
	Kadar kematian kasar *Crude death rate*	**9.0**	9.6	8.2
Bukan warganegara *Non-citizen*	**Kematian** *Deaths*	**3,652**	**2,227**	**1,425**
	Kadar kematian kasar *Crude death rate*	**1.2**	1.1	1.6

Kadar adalah bagi setiap 1,000 penduduk mengikut kumpulan etnik

The rates are per 1,000 population by ethnic group

Jadual 1.3: Kematian mengikut kumpulan umur dan jantina, Malaysia, 2023

Table 1.3: Deaths by age group and sex, Malaysia, 2023

Kumpulan umur *Age group*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Jumlah/ *Total*	**196,965**	**112,293**	**84,672**
Kurang 1 tahun/ *Under 1 year*	**3,054**	1,746	1,308
Kurang 1 hari/ *Under 1 day*	**628**	367	261
1 hari hingga < 1 minggu/ *1 day to < 1 week*	**782**	456	326
1 minggu hingga < 4 minggu/ *1 week to < 4 weeks*	**531**	297	234
4 minggu hingga < 3 bulan/ *4 weeks to < 3 months*	**448**	240	208
3 bulan hingga < 6 bulan/ *3 months to < 6 months*	**361**	215	146
6 bulan hingga < 9 bulan/ *6 months to < 9 months*	**185**	104	81
9 bulan hingga < 12 bulan/ *9 months to < 12 months*	**119**	67	52
1 tahun/ *1 year*	**138**	71	67
2 tahun/ *2 years*	**220**	133	87
3 tahun/ *3 years*	**136**	86	50
4 tahun/ *4 years*	**215**	114	101
0-4	**3,763**	2,150	1,613
5-9	**474**	286	188
10-14	**696**	460	236
15-19	**1,605**	1,236	369
20-24	**1,975**	1,497	478
25-29	**2,340**	1,663	677
30-34	**3,070**	2,112	958
35-39	**4,495**	3,052	1,443
40-44	**6,282**	4,255	2,027
45-49	**8,177**	5,455	2,722
50-54	**11,092**	7,202	3,890
55-59	**15,331**	9,804	5,527
60-64	**19,453**	12,195	7,258
65-69	**23,024**	13,845	9,179
70-74	**24,516**	14,197	10,319
75-79	**23,450**	12,916	10,534
80-84	**21,211**	10,231	10,980
85-89	**16,179**	6,578	9,601
90-94	**7,150**	2,462	4,688
95 dan lebih/ *95 and over*	**2,682**	697	1,985

Jadual 1.4: Kematian (bilangan dan kadar) mengikut negeri, daerah pentadbiran dan jantina, Malaysia, 2023
Table 1.4: Deaths (number and rate) by state, administrative district and sex, Malaysia, 2023

Negeri dan daerah pentadbiran *State and administrative district*	**Kematian** *Deaths*			**Kadar kematian kasar** *Crude death rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Malaysia	**196,965**	**112,293**	**84,672**	**5.9**	**6.4**	**5.3**
Johor	**24,705**	**14,200**	**10,505**	**6.0**	**6.5**	**5.5**
Batu Pahat	**3,413**	1,878	1,535	**6.8**	7.1	6.4
Johor Bahru	**8,363**	4,898	3,465	**4.7**	5.2	4.2
Kluang	**2,295**	1,356	939	**7.0**	7.5	6.4
Kota Tinggi	**1,749**	1,026	723	**7.6**	8.4	6.7
Mersing	**637**	386	251	**8.0**	9.0	6.7
Muar	**2,097**	1,125	972	**6.6**	6.4	6.8
Pontian	**1,522**	880	642	**8.7**	9.3	7.9
Segamat	**1,793**	1,031	762	**8.9**	9.8	7.9
Kulai	**1,691**	989	702	**5.0**	5.4	4.5
Tangkak	**1,145**	631	514	**6.9**	7.2	6.4
Kedah	**16,643**	**9,301**	**7,342**	**7.6**	**8.3**	**6.8**
Baling	**1,472**	820	652	**10.0**	10.9	9.1
Bandar Baharu	**402**	235	167	**8.9**	10.2	7.6
Kota Setar	**3,270**	1,807	1,463	**8.6**	9.6	7.7
Kuala Muda	**3,676**	2,089	1,587	**6.6**	7.2	5.8
Kubang Pasu	**1,873**	1,052	821	**7.4**	8.5	6.4
Kulim	**2,069**	1,181	888	**6.0**	6.7	5.3
Langkawi	**619**	350	269	**6.3**	6.9	5.7
Padang Terap	**595**	325	270	**8.9**	9.3	8.4
Sik	**599**	331	268	**8.6**	9.4	7.9
Yan	**538**	285	253	**7.2**	7.5	7.0
Pendang	**1,031**	567	464	**10.2**	10.7	9.8
Pokok Sena	**499**	259	240	**9.9**	9.4	10.4
Kelantan[1]	**11,839**	**6,514**	**5,325**	**6.4**	**7.0**	**5.8**
Bachok	**1,048**	607	441	**6.4**	7.7	5.2
Kota Bharu	**3,601**	1,979	1,622	**6.3**	6.9	5.6
Machang	**762**	398	364	**6.6**	6.9	6.3
Pasir Mas	**1,571**	861	710	**6.6**	7.2	6.1
Pasir Puteh	**1,061**	561	500	**7.5**	8.0	7.0
Tanah Merah	**962**	553	409	**6.2**	6.9	5.4
Tumpat	**1,240**	665	575	**6.6**	7.2	6.1
Gua Musang	**496**	304	192	**4.6**	5.3	3.9
Kuala Krai	**739**	400	339	**6.8**	7.3	6.2
Jeli	**289**	150	139	**5.1**	5.3	4.9
Kecil Lojing	**70**	36	34	**6.3**	6.3	6.3

Nota/ *Note* : [1] Jajahan

Jadual 1.4: Kematian (bilangan dan kadar) mengikut negeri, daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 1.4: Deaths (number and rate) by state, administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	Kematian *Deaths*			Kadar kematian kasar *Crude death rate*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Melaka	**6,190**	**3,456**	**2,734**	**6.0**	**6.4**	**5.6**
Alor Gajah	**1,571**	861	710	**6.1**	6.5	5.7
Jasin	**1,127**	594	533	**7.3**	7.2	7.4
Melaka Tengah	**3,492**	2,001	1,491	**5.7**	6.1	5.1
Negeri Sembilan	**8,232**	**4,724**	**3,508**	**6.7**	**7.4**	**6.0**
Jelebu	**380**	235	145	**8.0**	9.0	6.8
Kuala Pilah	**728**	380	348	**10.2**	10.3	10.0
Port Dickson	**892**	520	372	**6.7**	7.4	6.0
Rembau	**435**	230	205	**9.0**	9.3	8.6
Seremban	**3,913**	2,235	1,678	**5.5**	6.2	4.9
Tampin	**764**	460	304	**8.5**	9.6	7.2
Jempol	**1,120**	664	456	**8.7**	10.0	7.3
Pahang	**10,508**	**6,082**	**4,426**	**6.4**	**7.0**	**5.7**
Bentong	**835**	480	355	**7.0**	7.1	6.9
Cameron Highlands	**184**	106	78	**4.5**	4.5	4.5
Jerantut	**726**	420	306	**7.4**	8.0	6.7
Kuantan	**2,716**	1,628	1,088	**4.8**	5.5	4.0
Lipis	**624**	337	287	**6.2**	6.3	6.2
Pekan	**882**	487	395	**7.0**	7.2	6.8
Raub	**773**	452	321	**7.8**	8.6	6.9
Temerloh	**1,271**	708	563	**7.3**	7.8	6.7
Rompin	**802**	471	331	**7.9**	8.6	7.1
Maran	**950**	532	418	**8.1**	8.7	7.5
Bera	**745**	461	284	**7.4**	8.6	6.1
Perak	**20,839**	**11,735**	**9,104**	**8.2**	**8.9**	**7.5**
Batang Padang	**1,123**	656	467	**8.9**	9.7	8.0
Manjung	**1,763**	992	771	**7.0**	7.3	6.6
Kinta	**6,614**	3,744	2,870	**7.3**	7.9	6.6
Kerian	**1,619**	878	741	**9.6**	10.1	9.0
Kuala Kangsar	**1,656**	905	751	**9.3**	10.0	8.6
Larut & Matang	**2,747**	1,553	1,194	**10.0**	10.9	9.0
Hilir Perak	**1,389**	793	596	**9.8**	10.6	8.9
Hulu Perak	**812**	463	349	**8.4**	9.2	7.5
Perak Tengah	**869**	475	394	**8.9**	9.4	8.4
Kampar	**849**	487	362	**8.6**	9.6	7.5
Muallim	**407**	247	160	**5.2**	6.6	3.9
Bagan Datuk	**582**	327	255	**7.0**	7.2	6.9
Selama	**409**	215	194	**11.7**	12.2	11.3

Jadual 1.4: Kematian (bilangan dan kadar) mengikut negeri, daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 1.4: Deaths (number and rate) by state, administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	Kematian *Deaths*			Kadar kematian kasar *Crude death rate*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Perlis	**2,171**	**1,179**	**992**	**7.4**	**8.1**	**6.8**
Pulau Pinang	**12,304**	**6,851**	**5,453**	**6.9**	**7.5**	**6.3**
Seberang Perai Tengah	**2,740**	1,580	1,160	**6.3**	6.8	5.7
Seberang Perai Utara	**2,442**	1,406	1,036	**7.0**	8.0	6.1
Seberang Perai Selatan	**1,362**	775	587	**7.3**	8.2	6.3
Timur Laut	**4,293**	2,282	2,011	**7.6**	8.0	7.3
Barat Daya	**1,467**	808	659	**6.0**	6.6	5.4
Sabah	**16,610**	**9,680**	**6,930**	**4.6**	**5.2**	**4.0**
Tawau	**1,494**	881	613	**3.8**	4.3	3.2
Lahad Datu	**770**	451	319	**3.2**	3.5	2.8
Semporna	**791**	455	336	**4.3**	4.8	3.7
Sandakan	**1,714**	1,000	714	**3.6**	4.1	3.1
Kinabatangan	**244**	148	96	**1.6**	1.8	1.5
Beluran	**350**	203	147	**4.2**	4.5	3.8
Kota Kinabalu	**1,831**	1,094	737	**3.5**	4.0	2.9
Ranau	**550**	316	234	**6.3**	7.0	5.5
Kota Belud	**768**	410	358	**7.0**	7.4	6.6
Tuaran	**999**	595	404	**7.1**	8.4	5.9
Penampang	**731**	410	321	**4.4**	4.7	4.1
Papar	**1,051**	582	469	**6.8**	7.1	6.5
Kudat	**583**	356	227	**6.4**	7.7	5.1
Kota Marudu	**525**	301	224	**7.3**	8.1	6.3
Pitas	**398**	231	167	**10.5**	11.8	9.1
Beaufort	**661**	379	282	**8.6**	9.5	7.6
Kuala Penyu	**302**	174	128	**12.5**	14.3	10.7
Sipitang	**250**	126	124	**6.3**	6.1	6.6
Tenom	**391**	207	184	**7.4**	7.6	7.2
Nabawan	**150**	98	52	**5.0**	6.1	3.7
Keningau	**817**	497	320	**5.2**	6.2	4.2
Tambunan	**271**	159	112	**8.3**	9.6	6.9
Kunak	**250**	145	105	**3.3**	3.5	3.0
Tongod	**146**	95	51	**3.3**	4.0	2.5
Putatan	**346**	213	133	**4.9**	5.8	4.0
Telupid	**98**	77	21	**3.2**	4.7	1.5
Kalabakan	**129**	77	52	**2.4**	2.6	2.2

Jadual 1.4: Kematian (bilangan dan kadar) mengikut negeri, daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 1.4: Deaths (number and rate) by state, administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	Kematian *Deaths*			Kadar kematian kasar *Crude death rate*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Sarawak	**16,158**	**9,211**	**6,947**	**6.5**	**7.1**	**5.7**
Kuching	**3,428**	2,032	1,396	**5.5**	6.5	4.5
Bau	**415**	246	169	**7.7**	8.9	6.5
Lundu	**243**	130	113	**7.1**	7.1	7.1
Samarahan	**356**	187	169	**2.6**	2.9	2.4
Serian	**839**	479	360	**9.7**	10.8	8.5
Simunjan	**341**	185	156	**9.2**	9.6	8.9
Sri Aman	**518**	275	243	**8.5**	8.7	8.2
Lubok Antu	**265**	163	102	**10.8**	13.1	8.4
Betong	**347**	184	163	**9.4**	9.6	9.2
Saratok	**204**	105	99	**8.7**	9.1	8.3
Sarikei	**372**	199	173	**8.3**	8.9	7.8
Maradong	**254**	134	120	**12.3**	13.0	11.6
Daro	**143**	76	67	**7.2**	7.1	7.3
Julau	**153**	79	74	**9.9**	10.3	9.4
Sibu	**1,624**	938	686	**6.4**	7.2	5.6
Dalat	**211**	115	96	**9.8**	10.3	9.2
Mukah	**319**	188	131	**7.5**	8.4	6.5
Kanowit	**307**	166	141	**12.4**	13.4	11.3
Bintulu	**529**	322	207	**2.9**	3.2	2.4
Tatau	**159**	86	73	**5.0**	4.9	5.0
Kapit	**274**	152	122	**7.5**	8.2	6.7
Song	**152**	80	72	**14.9**	16.1	13.8
Belaga	**135**	73	62	**6.0**	5.6	6.4
Miri	**1,363**	795	568	**5.4**	6.0	4.7
Marudi	**181**	103	78	**9.7**	10.4	8.9
Limbang	**324**	172	152	**7.0**	7.3	6.8
Lawas	**256**	157	99	**6.8**	8.2	5.4
Matu	**149**	77	72	**9.0**	8.6	9.5
Asajaya	**252**	136	116	**7.3**	7.7	6.8
Pakan	**119**	66	53	**7.6**	8.0	7.1
Selangau	**200**	115	85	**9.9**	11.0	8.7
Tebedu	**195**	104	91	**7.6**	8.0	7.2
Pusa	**151**	90	61	**7.6**	8.7	6.3
Kabong	**209**	108	101	**11.1**	11.4	10.8
Tanjung Manis	**72**	43	29	**9.1**	10.3	7.7
Sebauh	**185**	103	82	**5.9**	5.8	6.1
Bukit Mabong	**139**	86	53	**13.2**	13.4	12.8
Subis	**441**	263	178	**7.9**	8.5	7.1
Beluru	**196**	110	86	**7.1**	7.4	6.7
Telang Usan	**138**	89	49	**7.9**	9.6	6.0

Jadual 1.4: Kematian (bilangan dan kadar) mengikut negeri, daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 1.4: Deaths (number and rate) by state, administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	Kematian *Deaths*			Kadar kematian kasar *Crude death rate*		
	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*	Jumlah *Total*	Lelaki *Male*	Perempuan *Female*
Selangor	**32,646**	**19,029**	**13,617**	**4.5**	**5.0**	**4.0**
Gombak	**4,209**	2,454	1,755	**4.4**	4.9	3.8
Klang	**5,616**	3,319	2,297	**5.0**	5.4	4.5
Kuala Langat	**1,726**	1,009	717	**5.4**	6.0	4.7
Kuala Selangor	**1,593**	956	637	**5.4**	6.4	4.5
Petaling	**8,961**	5,099	3,862	**3.8**	4.1	3.5
Sabak Bernam	**1,137**	621	516	**10.4**	10.9	9.9
Sepang	**1,295**	752	543	**3.8**	4.1	3.4
Ulu Langat	**6,599**	3,894	2,705	**4.5**	5.0	4.0
Ulu Selangor	**1,510**	925	585	**6.0**	6.9	5.0
Terengganu	**7,857**	**4,441**	**3,416**	**6.5**	**7.2**	**5.8**
Besut	**1,165**	669	496	**7.2**	8.1	6.2
Dungun	**963**	537	426	**5.8**	6.3	5.3
Kemaman	**1,147**	686	461	**5.1**	5.7	4.3
Kuala Terengganu	**1,943**	1,076	867	**8.1**	8.8	7.3
Marang	**787**	443	344	**6.3**	7.0	5.7
Hulu Terengganu	**584**	320	264	**7.9**	8.1	7.7
Setiu	**447**	253	194	**7.1**	7.9	6.3
Kuala Nerus	**821**	457	364	**5.3**	6.0	4.7
W.P. Kuala Lumpur	**9,646**	**5,531**	**4,115**	**4.8**	**5.2**	**4.4**
W.P. Labuan	**333**	**194**	**139**	**3.4**	**3.8**	**2.9**
W.P. Putrajaya	**284**	**165**	**119**	**2.4**	**2.8**	**2.0**

Kadar adalah bagi setiap 1,000 penduduk

The rates are per 1,000 population

Jadual 1.5: Kematian mengikut klasifikasi, negeri dan jantina, Malaysia, 2023

Table 1.5: Deaths by classification, state and sex, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*			**Tidak disahkan secara perubatan** *Non-medically certified*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**119,652**	**71,906**	**47,746**	**77,313**	**40,387**	**36,926**
Johor	**15,357**	9,357	6,000	**9,348**	4,843	4,505
Kedah	**12,036**	6,972	5,064	**4,607**	2,329	2,278
Kelantan	**7,019**	4,022	2,997	**4,820**	2,492	2,328
Melaka	**3,551**	2,129	1,422	**2,639**	1,327	1,312
Negeri Sembilan	**5,250**	3,186	2,064	**2,982**	1,538	1,444
Pahang	**6,128**	3,728	2,400	**4,380**	2,354	2,026
Perak	**12,791**	7,740	5,051	**8,048**	3,995	4,053
Perlis	**1,334**	768	566	**837**	411	426
Pulau Pinang	**7,839**	4,710	3,129	**4,465**	2,141	2,324
Sabah	**8,009**	4,886	3,123	**8,601**	4,794	3,807
Sarawak	**7,786**	4,696	3,090	**8,372**	4,515	3,857
Selangor	**20,234**	12,434	7,800	**12,412**	6,595	5,817
Terengganu	**5,087**	2,998	2,089	**2,770**	1,443	1,327
W.P. Kuala Lumpur	**6,763**	4,004	2,759	**2,883**	1,527	1,356
W.P. Labuan	**206**	124	82	**127**	70	57
W.P. Putrajaya	**262**	152	110	**22**	13	9

Jadual 1.6: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 1.6: Ten principal causes of death (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	18,181	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	32,758	42.4
2. *Ischaemic heart diseases*	18,121	15.1	Darah tinggi *Hypertension*	3,430	4.4
3. *Cerebrovascular diseases*	8,657	7.2	Kencing manis *Diabetes mellitus*	3,397	4.4
4. *Transport accidents*	4,244	3.5	Penyakit serebrovaskular *Cerebrovascular diseases*	2,638	3.4
5. *Malignant neoplasm of trachea, bronchus and lung*	2,373	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1,048	1.4
6. *Chronic lower respiratory diseases*	2,203	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	1,011	1.3
7. *Malignant neoplasm of colon, rectum and anus*	2,070	1.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	917	1.2
8. *Diabetes mellitus*	1,975	1.7	Lelah *Asthma*	885	1.1
9. *Hypertensive diseases*	1,738	1.5	Barah payudara *Breast cancer*	764	1.0
10. *Malignant neoplasm of breast*	1,681	1.4	Barah hati *Liver cancer*	669	0.9
Keseluruhan sebab *All causes*	**119,652**		**Keseluruhan sebab** *All causes*	**77,313**	

Jadual 1.6: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 1.6: Ten principal causes of death (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Lelaki/ *Male*	1. *Ischaemic heart diseases*	12,648	17.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,674	36.3
	2. *Pneumonia*	10,366	14.4	Kencing manis *Diabetes mellitus*	1,843	4.6
	3. *Cerebrovascular diseases*	4,953	6.9	Darah tinggi *Hypertension*	1,824	4.5
	4. *Transport accidents*	3,646	5.1	Penyakit serebrovaskular *Cerebrovascular diseases*	1,534	3.8
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,581	2.2	Penyakit jantung iskemia *Ischaemic heart diseases*	761	1.9
	6. *Chronic lower respiratory diseases*	1,505	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	634	1.6
	7. *Malignant neoplasm of colon, rectum and anus*	1,161	1.6	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	589	1.5
	8. *Malignant neoplasm of liver and intrahepatic bile ducts*	1,113	1.5	Lelah *Asthma*	558	1.4
	9. *Diseases of the liver*	1,028	1.4	Barah hati *Liver cancer*	476	1.2
	10. *Hypertensive diseases*	1,007	1.4	Radang paru-paru *Pneumonia*	325	0.8
	Keseluruhan sebab *All causes*	**71,906**		**Keseluruhan sebab** *All causes*	**40,387**	
Perempuan/ *Female*	1. *Pneumonia*	7,815	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18,084	49.0
	2. *Ischaemic heart diseases*	5,473	11.5	Darah tinggi *Hypertension*	1,606	4.3
	3. *Cerebrovascular diseases*	3,704	7.8	Kencing manis *Diabetes mellitus*	1,554	4.2
	4. *Malignant neoplasm of breast*	1,673	3.5	Penyakit serebrovaskular *Cerebrovascular diseases*	1,104	3.0
	5. *Diabetes mellitus*	996	2.1	Barah payudara *Breast cancer*	760	2.1
	6. *Malignant neoplasm of colon, rectum and anus*	909	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	414	1.1
	7. *Malignant neoplasm of trachea, bronchus and lung*	792	1.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	328	0.9
	8. *Hypertensive diseases*	731	1.5	Lelah *Asthma*	327	0.9
	9. *Chronic lower respiratory diseases*	698	1.5	Penyakit jantung iskemia *Ischaemic heart diseases*	250	0.7
	10. *Transport accidents*	598	1.3	Radang paru-paru *Pneumonia*	223	0.6
	Keseluruhan sebab *All causes*	**47,746**		**Keseluruhan sebab** *All causes*	**36,926**	

Jadual 1.7: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut strata dan jantina, Malaysia, 2023

Table 1.7: Ten principal causes of death (medically certified and non-medically certified) by stratum and sex, Malaysia, 2023

Bandar/ *Urban*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	12,492	15.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	21,767	43.5
2. *Pneumonia*	12,418	15.3	Darah tinggi *Hypertension*	2,536	5.1
3. *Cerebrovascular diseases*	5,652	6.9	Kencing manis *Diabetes mellitus*	2,417	4.8
4. *Transport accidents*	2,695	3.3	Penyakit serebrovaskular *Cerebrovascular diseases*	1,821	3.6
5. *Malignant neoplasm of trachea, bronchus and lung*	1,689	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	795	1.6
6. *Malignant neoplasm of colon, rectum and anus*	1,557	1.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	748	1.5
7. *Malignant neoplasm of breast*	1,248	1.5	Penyakit jantung iskemia *Ischaemic heart diseases*	606	1.2
8. *Chronic lower respiratory diseases*	1,243	1.5	Barah payudara *Breast cancer*	584	1.2
9. *Diabetes mellitus*	1,210	1.5	Lelah *Asthma*	535	1.1
10. *Malignant neoplasm of liver and intrahepatic bile ducts*	1,092	1.3	Barah hati *Liver cancer*	524	1.0
Keseluruhan sebab *All causes*	**81,389**		**Keseluruhan sebab** *All causes*	**50,090**	

Jadual 1.7: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut strata dan jantina, Malaysia, 2023 (samb.)

Table 1.7: Ten principal causes of death (medically certified and non-medically certified) by stratum and sex, Malaysia, 2023 (cont'd)

		Bandar/ *Urban*					
		Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Lelaki/ *Male*	1.	*Ischaemic heart diseases*	8,866	18.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	9,742	37.0
	2.	*Pneumonia*	7,119	14.5	Darah tinggi *Hypertension*	1,382	5.3
	3.	*Cerebrovascular diseases*	3,289	6.7	Kencing manis *Diabetes mellitus*	1,330	5.1
	4.	*Transport accidents*	2,339	4.8	Penyakit serebrovaskular *Cerebrovascular diseases*	1,054	4.0
	5.	*Malignant neoplasm of trachea, bronchus and lung*	1,109	2.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	483	1.8
	6.	*Malignant neoplasm of colon, rectum and anus*	884	1.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	471	1.8
	7.	*Chronic lower respiratory diseases*	859	1.7	Penyakit jantung iskemia *Ischaemic heart diseases*	468	1.8
	8.	*Malignant neoplasm of liver and intrahepatic bile ducts*	802	1.6	Barah hati *Liver cancer*	380	1.4
	9.	*Diseases of the liver*	718	1.5	Lelah *Asthma*	334	1.3
	10.	*Intentional self-harm*	712	1.4	Radang paru-paru *Pneumonia*	222	0.8
		Keseluruhan sebab *All causes*	**49,115**		**Keseluruhan sebab** *All causes*	**26,319**	
Perempuan/ *Female*	1.	*Pneumonia*	5,299	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	12,025	50.6
	2.	*Ischaemic heart diseases*	3,626	11.2	Darah tinggi *Hypertension*	1,154	4.9
	3.	*Cerebrovascular diseases*	2,363	7.3	Kencing manis *Diabetes mellitus*	1,087	4.6
	4.	*Malignant neoplasm of breast*	1,242	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	767	3.2
	5.	*Malignant neoplasm of colon, rectum and anus*	673	2.1	Barah payudara *Breast cancer*	580	2.4
	6.	*Malignant neoplasm of trachea, bronchus and lung*	580	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	312	1.3
	7.	*Diabetes mellitus*	580	1.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	277	1.2
	8.	*Hypertensive diseases*	419	1.3	Lelah *Asthma*	201	0.8
	9.	*Chronic lower respiratory diseases*	384	1.2	Radang paru-paru *Pneumonia*	145	0.6
	10.	*Transport accidents*	356	1.1	Barah hati *Liver cancer*	144	0.6
		Keseluruhan sebab *All causes*	**32,274**		**Keseluruhan sebab** *All causes*	**23,771**	

Jadual 1.7: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut strata dan jantina, Malaysia, 2023 (samb.)

Table 1.7: Ten principal causes of death (medically certified and non-medically certified) by stratum and sex, Malaysia, 2023 (cont'd)

Luar Bandar/ *Rural*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	5,763	15.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	10,991	40.4
2. *Ischaemic heart diseases*	5,629	14.7	Kencing manis *Diabetes mellitus*	980	3.6
3. *Cerebrovascular diseases*	3,005	7.9	Darah tinggi *Hypertension*	894	3.3
4. *Transport accidents*	1,549	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	817	3.0
5. *Chronic lower respiratory diseases*	960	2.5	Penyakit jantung iskemia *Ischaemic heart diseases*	405	1.5
6. *Diabetes mellitus*	765	2.0	Lelah *Asthma*	350	1.3
7. *Hypertensive diseases*	688	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	253	0.9
8. *Malignant neoplasm of trachea, bronchus and lung*	684	1.8	Radang paru-paru *Pneumonia*	181	0.7
9. *Malignant neoplasm of colon, rectum and anus*	513	1.3	Barah payudara *Breast cancer*	180	0.7
10. *Diseases of the liver*	453	1.2	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	169	0.6
Keseluruhan sebab *All causes*	**38,263**		**Keseluruhan sebab** *All causes*	**27,223**	

Jadual 1.7: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut strata dan jantina, Malaysia, 2023 (samb.)

Table 1.7: Ten principal causes of death (medically certified and non-medically certified) by stratum and sex, Malaysia, 2023 (cont'd)

	Luar Bandar/ *Rural*					
	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Lelaki/ *Male*	1. *Ischaemic heart diseases*	3,782	16.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4,932	35.1
	2. *Pneumonia*	3,247	14.2	Kencing manis *Diabetes mellitus*	513	3.6
	3. *Cerebrovascular diseases*	1,664	7.3	Penyakit serebrovaskular *Cerebrovascular diseases*	480	3.4
	4. *Transport accidents*	1,307	5.7	Darah tinggi *Hypertension*	442	3.1
	5. *Chronic lower respiratory diseases*	646	2.8	Penyakit jantung iskemia *Ischaemic heart diseases*	293	2.1
	6. *Malignant neoplasm of trachea, bronchus and lung*	472	2.1	Lelah *Asthma*	224	1.6
	7. *Hypertensive diseases*	376	1.6	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	151	1.1
	8. *Diabetes mellitus*	349	1.5	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	118	0.8
	9. *Malignant neoplasm of liver and intrahepatic bile ducts*	311	1.4	Radang paru-paru *Pneumonia*	103	0.7
	10. *Diseases of the liver*	310	1.4	Barah hati *Liver cancer*	96	0.7
	Keseluruhan sebab *All causes*	**22,791**		**Keseluruhan sebab** *All causes*	**14,068**	
Perempuan/ *Female*	1. *Pneumonia*	2,516	16.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	6,059	46.1
	2. *Ischaemic heart diseases*	1,847	11.9	Kencing manis *Diabetes mellitus*	467	3.5
	3. *Cerebrovascular diseases*	1,341	8.7	Darah tinggi *Hypertension*	452	3.4
	4. *Malignant neoplasm of breast*	431	2.8	Penyakit serebrovaskular *Cerebrovascular diseases*	337	2.6
	5. *Diabetes mellitus*	416	2.7	Barah payudara *Breast cancer*	180	1.4
	6. *Chronic lower respiratory diseases*	314	2.0	Lelah *Asthma*	126	1.0
	7. *Hypertensive diseases*	312	2.0	Penyakit jantung iskemia *Ischaemic heart diseases*	112	0.9
	8. *Transport accidents*	242	1.6	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	102	0.8
	9. *Malignant neoplasm of colon, rectum and anus*	236	1.5	Radang paru-paru *Pneumonia*	78	0.6
	10. *Malignant neoplasm of trachea, bronchus and lung*	212	1.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	51	0.4
	Keseluruhan sebab *All causes*	**15,472**		**Keseluruhan sebab** *All causes*	**13,155**	

Jadual 1.8: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut kewarganegaraan, Malaysia, 2023

Table 1.8: Ten principal causes of death (medically certified and non-medically certified) by citizenship, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Warganegara/ *Citizen*	1. *Pneumonia*	17,887	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	32,047	42.3
	2. *Ischaemic heart diseases*	17,869	15.2	Darah tinggi *Hypertension*	3,359	4.4
	3. *Cerebrovascular diseases*	8,515	7.2	Kencing manis *Diabetes mellitus*	3,322	4.4
	4. *Transport accidents*	4,208	3.6	Penyakit serebrovaskular *Cerebrovascular diseases*	2,575	3.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	2,335	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1,033	1.4
	6. *Chronic lower respiratory diseases*	2,165	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	1,000	1.3
	7. *Malignant neoplasm of colon, rectum and anus*	2,049	1.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	899	1.2
	8. *Diabetes mellitus*	1,952	1.7	Lelah *Asthma*	863	1.1
	9. *Hypertensive diseases*	1,708	1.5	Barah payudara *Breast cancer*	753	1.0
	10. *Malignant neoplasm of breast*	1,670	1.4	Barah hati *Liver cancer*	652	0.9
	Keseluruhan sebab *All causes*	**117,586**		**Keseluruhan sebab** *All causes*	**75,727**	
Bukan Warganegara/ *Non-citizen*	1. *Intentional self-harm*	297	14.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	711	44.8
	2. *Pneumonia*	294	14.2	Kencing manis *Diabetes mellitus*	75	4.7
	3. *Ischaemic heart diseases*	252	12.2	Darah tinggi *Hypertension*	71	4.5
	4. *Cerebrovascular diseases*	142	6.9	Penyakit serebrovaskular *Cerebrovascular diseases*	63	4.0
	5. *Malignant neoplasm of trachea, bronchus and lung*	38	1.8	Lelah *Asthma*	22	1.4
	6. *Chronic lower respiratory diseases*	38	1.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	18	1.1
	7. *Transport accidents*	36	1.7	Barah hati *Liver cancer*	17	1.1
	8. *Malignant neoplasm of liver and intrahepatic bile ducts*	31	1.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	15	0.9
	9. *Hypertensive diseases*	30	1.5	Barah payudara *Breast cancer*	11	0.7
	10. *Diseases of the liver*	24	1.2	Penyakit jantung iskemia *Ischaemic heart diseases*	11	0.7
	Keseluruhan sebab *All causes*	**2,066**		**Keseluruhan sebab** *All causes*	**1,586**	

Jadual 1.9: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut kumpulan etnik, Malaysia, 2023

Table 1.9: Ten principal causes of death (medically certified and non-medically certified) by ethnic group, Malaysia, 2023

		Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Melayu/ *Malay*	1.	*Ischaemic heart diseases*	10,357	16.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,007	43.4
	2.	*Pneumonia*	9,954	15.3	Kencing manis *Diabetes mellitus*	2,264	6.1
	3.	*Cerebrovascular diseases*	5,116	7.9	Darah tinggi *Hypertension*	2,075	5.6
	4.	*Transport accidents*	2,752	4.2	Penyakit serebrovaskular *Cerebrovascular diseases*	1,713	4.6
	5.	*Diabetes mellitus*	1,313	2.0	Lelah *Asthma*	678	1.8
	6.	*Chronic lower respiratory diseases*	1,285	2.0	Penyakit jantung iskemia *Ischaemic heart diseases*	646	1.7
	7.	*Malignant neoplasm of trachea, bronchus and lung*	1,075	1.7	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	531	1.4
	8.	*Malignant neoplasm of breast*	938	1.4	Barah payudara *Breast cancer*	440	1.2
	9.	*Hypertensive diseases*	916	1.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	375	1.0
	10.	*Malignant neoplasm of colon, rectum and anus*	875	1.3	Barah hati *Liver cancer*	323	0.9
		Keseluruhan sebab *All causes*	**64,914**		**Keseluruhan sebab** *All causes*	**36,915**	
Bumiputera Lain/ *Other Bumiputera*	1.	*Pneumonia*	1,255	12.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,629	15.1
	2.	*Ischaemic heart diseases*	824	8.0	Darah tinggi *Hypertension*	137	1.3
	3.	*Cerebrovascular diseases*	707	6.9	Penyakit serebrovaskular *Cerebrovascular diseases*	129	1.2
	4.	*Chronic lower respiratory diseases*	316	3.1	Kencing manis *Diabetes mellitus*	70	0.7
	5.	*Transport accidents*	298	2.9	Lelah *Asthma*	53	0.5
	6.	*Hypertensive diseases*	253	2.5	Penyakit jantung iskemia *Ischaemic heart diseases*	49	0.5
	7.	*Malignant neoplasm of trachea, bronchus and lung*	246	2.4	Radang paru-paru *Pneumonia*	39	0.4
	8.	*Malignant neoplasm of colon, rectum and anus*	178	1.7	Tibi/Batuk kering *Tuberculosis*	25	0.2
	9.	*Diseases of the liver*	149	1.4	Barah hati *Liver cancer*	24	0.2
	10.	*Respiratory tuberculosis*	133	1.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	24	0.2
		Keseluruhan sebab *All causes*	**10,306**		**Keseluruhan sebab** *All causes*	**10,761**	

Jadual 1.9: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut kumpulan etnik, Malaysia, 2023 (samb.)

Table 1.9: Ten principal causes of death (medically certified and non-medically certified) by ethnic group, Malaysia, 2023 (con't)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Bumiputera	1. *Pneumonia*	11,209	14.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,636	37.0
	2. *Ischaemic heart diseases*	11,181	14.9	Kencing manis *Diabetes mellitus*	2,334	4.9
	3. *Cerebrovascular diseases*	5,823	7.7	Darah tinggi *Hypertension*	2,212	4.6
	4. *Transport accidents*	3,050	4.1	Penyakit serebrovaskular *Cerebrovascular diseases*	1,842	3.9
	5. *Chronic lower respiratory diseases*	1,601	2.1	Lelah *Asthma*	731	1.5
	6. *Diabetes mellitus*	1,407	1.9	Penyakit jantung iskemia *Ischaemic heart diseases*	695	1.5
	7. *Malignant neoplasm of trachea, bronchus and lung*	1,321	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	555	1.2
	8. *Hypertensive diseases*	1,169	1.6	Barah payudara *Breast cancer*	453	1.0
	9. *Malignant neoplasm of breast*	1,055	1.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	392	0.8
	10. *Malignant neoplasm of colon, rectum and anus*	1,053	1.4	Radang paru-paru *Pneumonia*	355	0.7
	Keseluruhan sebab *All causes*	**75,220**		**Keseluruhan sebab** *All causes*	**47,676**	
Cina/ *Chinese*	1. *Pneumonia*	4,887	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	11,895	53.8
	2. *Ischaemic heart diseases*	4,161	14.0	Darah tinggi *Hypertension*	818	3.7
	3. *Cerebrovascular diseases*	1,994	6.7	Kencing manis *Diabetes mellitus*	546	2.5
	4. *Malignant neoplasm of trachea, bronchus and lung*	903	3.0	Penyakit serebrovaskular *Cerebrovascular diseases*	483	2.2
	5. *Malignant neoplasm of colon, rectum and anus*	854	2.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	444	2.0
	6. *Malignant neoplasm of liver and intrahepatic bile ducts*	577	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	397	1.8
	7. *Transport accidents*	562	1.9	Barah hati *Liver cancer*	267	1.2
	8. *Malignant neoplasm of breast*	454	1.5	Barah payudara *Breast cancer*	232	1.0
	9. *Hypertensive diseases*	397	1.3	Penyakit jantung iskemia *Ischaemic heart diseases*	199	0.9
	10. *Chronic lower respiratory diseases*	391	1.3	Radang paru-paru *Pneumonia*	143	0.6
	Keseluruhan sebab *All causes*	**29,733**		**Keseluruhan sebab** *All causes*	**22,101**	

Jadual 1.9: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut kumpulan etnik, Malaysia, 2023 (samb.)

Table 1.9: Ten principal causes of death (medically certified and non-medically certified) by ethnic group, Malaysia, 2023 (con't)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
India/ *Indians*	1. *Ischaemic heart diseases*	2,351	20.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,234	43.7
	2. *Pneumonia*	1,636	14.3	Kencing manis *Diabetes mellitus*	407	8.0
	3. *Cerebrovascular diseases*	623	5.4	Darah tinggi *Hypertension*	282	5.5
	4. *Transport accidents*	532	4.7	Penyakit serebrovaskular *Cerebrovascular diseases*	230	4.5
	5. *Diseases of the liver*	310	2.7	Penyakit jantung iskemia *Ischaemic heart diseases*	96	1.9
	6. *Intentional self-harm*	214	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	72	1.4
	7. *Diabetes mellitus*	193	1.7	Barah payudara *Breast cancer*	64	1.3
	8. *Chronic lower respiratory diseases*	154	1.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	55	1.1
	9. *Malignant neoplasm of breast*	145	1.3	Lelah *Asthma*	54	1.1
	10. *Hypertensive diseases*	124	1.1	Penyakit hati *Liver disease*	33	0.6
	Keseluruhan sebab *All causes*	**11,439**		**Keseluruhan sebab** *All causes*	**5,107**	
Lain-lain[1]/ *Others[1]*	1. *Pneumonia*	449	13.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	993	40.9
	2. *Ischaemic heart diseases*	428	13.1	Darah tinggi *Hypertension*	118	4.9
	3. *Intentional self-harm*	313	9.6	Kencing manis *Diabetes mellitus*	110	4.5
	4. *Cerebrovascular diseases*	217	6.7	Penyakit serebrovaskular *Cerebrovascular diseases*	83	3.4
	5. *Transport accidents*	100	3.1	Lelah *Asthma*	29	1.2
	6. *Malignant neoplasm of trachea, bronchus and lung*	58	1.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	26	1.1
	7. *Chronic lower respiratory diseases*	57	1.7	Barah hati *Liver cancer*	25	1.0
	8. *Hypertensive diseases*	48	1.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	24	1.0
	9. *Malignant neoplasm of liver and intrahepatic bile ducts*	47	1.4	Penyakit jantung iskemia *Ischaemic heart diseases*	21	0.9
	10. *Malignant neoplasm of colon, rectum and anus*	43	1.3	Radang paru-paru *Pneumonia*	20	0.8
	Keseluruhan sebab *All causes*	**3,260**		**Keseluruhan sebab** *All causes*	**2,429**	

Nota/ *Note* : [1] Lain-lain adalah termasuk Bukan Warganegara

[1] *Others are include Non-citizen*

Jadual 1.10: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Johor, 2023

Table 1.10: Ten principal causes of death (medically certified and non-medically certified) by sex, Johor, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	2,553	16.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5,392	57.7
2. *Pneumonia*	2,451	16.0	Darah tinggi *Hypertension*	426	4.6
3. *Cerebrovascular diseases*	1,069	7.0	Kencing manis *Diabetes mellitus*	335	3.6
4. *Transport accidents*	612	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	234	2.5
5. *Malignant neoplasm of colon, rectum and anus*	274	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	162	1.7
6. *Malignant neoplasm of trachea, bronchus and lung*	273	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	155	1.7
7. *Hypertensive diseases*	260	1.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	127	1.4
8. *Chronic lower respiratory diseases*	246	1.6	Barah payudara *Breast cancer*	117	1.3
9. *Malignant neoplasm of breast*	223	1.5	Barah hati *Liver cancer*	87	0.9
10. *Diabetes mellitus*	194	1.3	Lelah *Asthma*	73	0.8
Keseluruhan sebab *All causes*	**15,357**		**Keseluruhan sebab** *All causes*	**9,348**	

Jadual 1.10: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Johor, 2023 (samb.)

Table 1.10: Ten principal causes of death (medically certified and non-medically certified) by sex, Johor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	1,784	19.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,490	51.4
	2. *Pneumonia*	1,427	15.3	Darah tinggi *Hypertension*	256	5.3
	3. *Cerebrovascular diseases*	606	6.5	Kencing manis *Diabetes mellitus*	187	3.9
	4. *Transport accidents*	516	5.5	Penyakit serebrovaskular *Cerebrovascular diseases*	151	3.1
	5. *Malignant neoplasm of trachea, bronchus and lung*	195	2.1	Penyakit jantung iskemia *Ischaemic heart diseases*	116	2.4
	6. *Chronic lower respiratory diseases*	176	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	103	2.1
	7. *Malignant neoplasm of colon, rectum and anus*	159	1.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	90	1.9
	8. *Malignant neoplasm of liver and intrahepatic bile ducts*	146	1.6	Barah hati *Liver cancer*	55	1.1
	9. *Hypertensive diseases*	142	1.5	Lelah *Asthma*	47	1.0
	10. *Intentional self-harm*	103	1.1	Radang paru-paru *Pneumonia*	29	0.6
	Keseluruhan sebab *All causes*	**9,357**		**Keseluruhan sebab** *All causes*	**4,843**	
Perempuan/ *Female*	1. *Pneumonia*	1,024	17.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,902	64.4
	2. *Ischaemic heart diseases*	769	12.8	Darah tinggi *Hypertension*	170	3.8
	3. *Cerebrovascular diseases*	463	7.7	Kencing manis *Diabetes mellitus*	148	3.3
	4. *Malignant neoplasm of breast*	222	3.7	Barah payudara *Breast cancer*	116	2.6
	5. *Hypertensive diseases*	118	2.0	Penyakit serebrovaskular *Cerebrovascular diseases*	83	1.8
	6. *Malignant neoplasm of colon, rectum and anus*	115	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	52	1.2
	7. *Diabetes mellitus*	96	1.6	Penyakit jantung iskemia *Ischaemic heart diseases*	46	1.0
	8. *Transport accidents*	96	1.6	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	37	0.8
	9. *Malignant neoplasm of trachea, bronchus and lung*	78	1.3	Barah hati *Liver cancer*	32	0.7
	10. *Chronic lower respiratory diseases*	70	1.2	Lelah *Asthma*	26	0.6
	Keseluruhan sebab *All causes*	**6,000**		**Keseluruhan sebab** *All causes*	**4,505**	

Jadual 1.11: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Kedah, 2023

Table 1.11: Ten principal causes of death (medically certified and non-medically certified) by sex, Kedah, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	2,278	18.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,184	47.4
2. *Pneumonia*	2,157	17.9	Kencing manis *Diabetes mellitus*	335	7.3
3. *Cerebrovascular diseases*	1,090	9.1	Darah tinggi *Hypertension*	271	5.9
4. *Transport accidents*	469	3.9	Penyakit serebrovaskular *Cerebrovascular diseases*	234	5.1
5. *Diabetes mellitus*	370	3.1	Lelah *Asthma*	146	3.2
6. *Chronic lower respiratory diseases*	312	2.6	Penyakit jantung iskemia *Ischaemic heart diseases*	69	1.5
7. *Hypertensive diseases*	193	1.6	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	60	1.3
8. *Malignant neoplasm of trachea, bronchus and lung*	172	1.4	Barah payudara *Breast cancer*	51	1.1
9. *Malignant neoplasm of colon, rectum and anus*	162	1.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	49	1.1
10. *Malignant neoplasm of breast*	148	1.2	Radang paru-paru *Pneumonia*	49	1.1
Keseluruhan sebab *All causes*	**12,036**		**Keseluruhan sebab** *All causes*	**4,607**	

Jadual 1.11: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Kedah, 2023 (samb.)

Table 1.11: Ten principal causes of death (medically certified and non-medically certified) by sex, Kedah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	1,496	21.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	939	40.3
	2. *Pneumonia*	1,148	16.5	Kencing manis *Diabetes mellitus*	184	7.9
	3. *Cerebrovascular diseases*	606	8.7	Darah tinggi *Hypertension*	136	5.8
	4. *Transport accidents*	396	5.7	Penyakit serebrovaskular *Cerebrovascular diseases*	129	5.5
	5. *Chronic lower respiratory diseases*	207	3.0	Lelah *Asthma*	88	3.8
	6. *Diabetes mellitus*	185	2.7	Penyakit jantung iskemia *Ischaemic heart diseases*	57	2.4
	7. *Malignant neoplasm of trachea, bronchus and lung*	106	1.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	32	1.4
	8. *Hypertensive diseases*	96	1.4	Radang paru-paru *Pneumonia*	29	1.2
	9. *Diseases of the liver*	82	1.2	Barah hati *Liver cancer*	28	1.2
	10. *Malignant neoplasm of colon, rectum and anus*	79	1.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	28	1.2
	Keseluruhan sebab *All causes*	**6,972**		**Keseluruhan sebab** *All causes*	**2,329**	
Perempuan/ *Female*	1. *Pneumonia*	1,009	19.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,245	54.7
	2. *Ischaemic heart diseases*	782	15.4	Kencing manis *Diabetes mellitus*	151	6.6
	3. *Cerebrovascular diseases*	484	9.6	Darah tinggi *Hypertension*	135	5.9
	4. *Diabetes mellitus*	185	3.7	Penyakit serebrovaskular *Cerebrovascular diseases*	105	4.6
	5. *Malignant neoplasm of breast*	148	2.9	Lelah *Asthma*	58	2.5
	6. *Chronic lower respiratory diseases*	105	2.1	Barah payudara *Breast cancer*	51	2.2
	7. *Hypertensive diseases*	97	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	28	1.2
	8. *Malignant neoplasm of colon, rectum and anus*	83	1.6	Barah rahim *Uterus cancer*	21	0.9
	9. *Transport accidents*	73	1.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	21	0.9
	10. *Malignant neoplasm of trachea, bronchus and lung*	66	1.3	Radang paru-paru *Pneumonia*	20	0.9
	Keseluruhan sebab *All causes*	**5,064**		**Keseluruhan sebab** *All causes*	**2,278**	

Jadual 1.12: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Kelantan, 2023

Table 1.12: Ten principal causes of death (medically certified and non-medically certified) by sex, Kelantan, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	1,299	18.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,712	35.5
2. *Pneumonia*	1,160	16.5	Darah tinggi *Hypertension*	415	8.6
3. *Cerebrovascular diseases*	536	7.6	Kencing manis *Diabetes mellitus*	397	8.2
4. *Transport accidents*	206	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	396	8.2
5. *Chronic lower respiratory diseases*	123	1.8	Lelah *Asthma*	170	3.5
6. *Malignant neoplasm of trachea, bronchus and lung*	117	1.7	Penyakit jantung iskemia *Ischaemic heart diseases*	78	1.6
7. *Diabetes mellitus*	108	1.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	59	1.2
8. *Malignant neoplasm of colon, rectum and anus*	81	1.2	Radang paru-paru *Pneumonia*	59	1.2
9. *Diseases of the liver*	77	1.1	Barah payudara *Breast cancer*	44	0.9
10. *Malignant neoplasm of liver and intrahepatic bile ducts*	73	1.0	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	39	0.8
Keseluruhan sebab *All causes*	**7,019**		**Keseluruhan sebab** *All causes*	**4,820**	

Jadual 1.12: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Kelantan, 2023 (samb.)

Table 1.12: Ten principal causes of death (medically certified and non-medically certified) by sex, Kelantan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	836	20.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	792	31.8
	2. *Pneumonia*	624	15.5	Penyakit serebrovaskular *Cerebrovascular diseases*	227	9.1
	3. *Cerebrovascular diseases*	282	7.0	Kencing manis *Diabetes mellitus*	191	7.7
	4. *Transport accidents*	176	4.4	Darah tinggi *Hypertension*	171	6.9
	5. *Malignant neoplasm of trachea, bronchus and lung*	82	2.0	Lelah *Asthma*	106	4.3
	6. *Chronic lower respiratory diseases*	81	2.0	Penyakit jantung iskemia *Ischaemic heart diseases*	64	2.6
	7. *Malignant neoplasm of liver and intrahepatic bile ducts*	50	1.2	Radang paru-paru *Pneumonia*	33	1.3
	8. *Diseases of the liver*	48	1.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	32	1.3
	9. *Malignant neoplasm of colon, rectum and anus*	47	1.2	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	29	1.2
	10. *Diabetes mellitus*	41	1.0	Barah hati *Liver cancer*	28	1.1
	Keseluruhan sebab *All causes*	**4,022**		**Keseluruhan sebab** *All causes*	**2,492**	
Perempuan/ *Female*	1. *Pneumonia*	536	17.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	920	39.5
	2. *Ischaemic heart diseases*	463	15.4	Darah tinggi *Hypertension*	244	10.5
	3. *Cerebrovascular diseases*	254	8.5	Kencing manis *Diabetes mellitus*	206	8.8
	4. *Malignant neoplasm of breast*	70	2.3	Penyakit serebrovaskular *Cerebrovascular diseases*	169	7.3
	5. *Diabetes mellitus*	67	2.2	Lelah *Asthma*	64	2.7
	6. *Chronic lower respiratory diseases*	42	1.4	Barah payudara *Breast cancer*	44	1.9
	7. *Malignant neoplasm of trachea, bronchus and lung*	35	1.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	27	1.2
	8. *Malignant neoplasm of colon, rectum and anus*	34	1.1	Radang paru-paru *Pneumonia*	26	1.1
	9. *Hypertensive diseases*	34	1.1	Penyakit jantung iskemia *Ischaemic heart diseases*	14	0.6
	10. *Transport accidents*	30	1.0	Barah rahim *Uterus cancer*	11	0.5
	Keseluruhan sebab *All causes*	**2,997**		**Keseluruhan sebab** *All causes*	**2,328**	

Jadual 1.13: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Melaka, 2023

Table 1.13: Ten principal causes of death (medically certified and non-medically certified) by sex, Melaka, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	628	17.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,328	50.3
2. *Pneumonia*	409	11.5	Kencing manis *Diabetes mellitus*	176	6.7
3. *Cerebrovascular diseases*	244	6.9	Darah tinggi *Hypertension*	140	5.3
4. *Transport accidents*	143	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	96	3.6
5. *Malignant neoplasm of trachea, bronchus and lung*	80	2.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	52	2.0
6. *Chronic lower respiratory diseases*	68	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	51	1.9
7. *Diseases of the liver*	50	1.4	Barah hati *Liver cancer*	39	1.5
8. *Malignant neoplasm of colon, rectum and anus*	48	1.4	Barah payudara *Breast cancer*	34	1.3
9. *Malignant neoplasm of liver and intrahepatic bile ducts*	48	1.4	Penyakit jantung iskemia *Ischaemic heart diseases*	30	1.1
10. *Malignant neoplasm of breast*	46	1.3	Lelah *Asthma*	20	0.8
Keseluruhan sebab *All causes*	**3,551**		**Keseluruhan sebab** *All causes*	**2,639**	

Jadual 1.13: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Melaka, 2023 (samb.)

Table 1.13: Ten principal causes of death (medically certified and non-medically certified) by sex, Melaka, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Lelaki/ *Male*	1. *Ischaemic heart diseases*	428	20.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	567	42.7
	2. *Pneumonia*	233	10.9	Kencing manis *Diabetes mellitus*	95	7.2
	3. *Cerebrovascular diseases*	128	6.0	Darah tinggi *Hypertension*	92	6.9
	4. *Transport accidents*	122	5.7	Penyakit serebrovaskular *Cerebrovascular diseases*	57	4.3
	5. *Malignant neoplasm of trachea, bronchus and lung*	64	3.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	30	2.3
	6. *Chronic lower respiratory diseases*	55	2.6	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	30	2.3
	7. *Malignant neoplasm of liver and intrahepatic bile ducts*	36	1.7	Barah hati *Liver cancer*	29	2.2
	8. *Malignant neoplasm of colon, rectum and anus*	28	1.3	Penyakit jantung iskemia *Ischaemic heart diseases*	22	1.7
	9. *Diseases of the liver*	27	1.3	Lelah *Asthma*	11	0.8
	10. *COVID-19 infection (due to)*	20	0.9	Barah perut *Stomach cancer*	11	0.8
	Keseluruhan sebab *All causes*	**2,129**		**Keseluruhan sebab** *All causes*	**1,327**	
Perempuan/ *Female*	1. *Ischaemic heart diseases*	200	14.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	761	58.0
	2. *Pneumonia*	176	12.4	Kencing manis *Diabetes mellitus*	81	6.2
	3. *Cerebrovascular diseases*	116	8.2	Darah tinggi *Hypertension*	48	3.7
	4. *Malignant neoplasm of breast*	46	3.2	Penyakit serebrovaskular *Cerebrovascular diseases*	39	3.0
	5. *Diseases of the liver*	23	1.6	Barah payudara *Breast cancer*	34	2.6
	6. *Transport accidents*	21	1.5	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	22	1.7
	7. *Malignant neoplasm of colon, rectum and anus*	20	1.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	21	1.6
	8. *Malignant neoplasm of trachea, bronchus and lung*	16	1.1	Barah ovari *Ovary cancer*	12	0.9
	9. *Hypertensive diseases*	14	1.0	Radang paru-paru *Pneumonia*	12	0.9
	10. *Chronic lower respiratory diseases*	13	0.9	Barah rahim *Uterus cancer*	11	0.8
	Keseluruhan sebab *All causes*	**1,422**		**Keseluruhan sebab** *All causes*	**1,312**	

Jadual 1.14: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Negeri Sembilan, 2023

Table 1.14: Ten principal causes of death (medically certified and non-medically certified) by sex, Negeri Sembilan, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	%	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	%
1. *Ischaemic heart diseases*	765	14.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,657	55.6
2. *Pneumonia*	655	12.5	Kencing manis *Diabetes mellitus*	135	4.5
3. *Cerebrovascular diseases*	378	7.2	Darah tinggi *Hypertension*	97	3.3
4. *Transport accidents*	249	4.7	Penyakit serebrovaskular *Cerebrovascular diseases*	73	2.4
5. *Chronic lower respiratory diseases*	118	2.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	60	2.0
6. *Malignant neoplasm of trachea, bronchus and lung*	110	2.1	Penyakit jantung iskemia *Ischaemic heart diseases*	53	1.8
7. *Diabetes mellitus*	104	2.0	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	46	1.5
8. *Diseases of the liver*	95	1.8	Barah hati *Liver cancer*	43	1.4
9. *Malignant neoplasm of breast*	81	1.5	Barah payudara *Breast cancer*	40	1.3
10. *Malignant neoplasm of colon, rectum and anus*	80	1.5	Lelah *Asthma*	30	1.0
Keseluruhan sebab *All causes*	**5,250**		**Keseluruhan sebab** *All causes*	**2,982**	

Jadual 1.14: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Negeri Sembilan, 2023 (samb.)

Table 1.14: Ten principal causes of death (medically certified and non-medically certified) by sex, Negeri Sembilan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	534	16.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	751	48.8
	2. *Pneumonia*	364	11.4	Kencing manis *Diabetes mellitus*	84	5.5
	3. *Cerebrovascular diseases*	219	6.9	Darah tinggi *Hypertension*	51	3.3
	4. *Transport accidents*	216	6.8	Penyakit serebrovaskular *Cerebrovascular diseases*	44	2.9
	5. *Chronic lower respiratory diseases*	76	2.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	41	2.7
	6. *Malignant neoplasm of trachea, bronchus and lung*	72	2.3	Penyakit jantung iskemia *Ischaemic heart diseases*	40	2.6
	7. *Diseases of the liver*	68	2.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	35	2.3
	8. *Malignant neoplasm of liver and intrahepatic bile ducts*	60	1.9	Barah hati *Liver cancer*	31	2.0
	9. *Diabetes mellitus*	52	1.6	Lelah *Asthma*	19	1.2
	10. *Intentional self-harm*	46	1.4	Radang paru-paru *Pneumonia*	16	1.0
	Keseluruhan sebab *All causes*	**3,186**		**Keseluruhan sebab** *All causes*	**1,538**	
Perempuan/ *Female*	1. *Pneumonia*	291	14.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	906	62.7
	2. *Ischaemic heart diseases*	231	11.2	Kencing manis *Diabetes mellitus*	51	3.5
	3. *Cerebrovascular diseases*	159	7.7	Darah tinggi *Hypertension*	46	3.2
	4. *Malignant neoplasm of breast*	80	3.9	Barah payudara *Breast cancer*	40	2.8
	5. *Diabetes mellitus*	52	2.5	Penyakit serebrovaskular *Cerebrovascular diseases*	29	2.0
	6. *Chronic lower respiratory diseases*	42	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	19	1.3
	7. *Malignant neoplasm of trachea, bronchus and lung*	38	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	13	0.9
	8. *Malignant neoplasm of colon, rectum and anus*	37	1.8	Barah hati *Liver cancer*	12	0.8
	9. *Transport accidents*	33	1.6	Lelah *Asthma*	11	0.8
	10. *Diseases of the liver*	27	1.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	11	0.8
	Keseluruhan sebab *All causes*	**2,064**		**Keseluruhan sebab** *All causes*	**1,444**	

Jadual 1.15: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Pahang, 2023

Table 1.15: Ten principal causes of death (medically certified and non-medically certified) by sex, Pahang, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	999	16.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,970	45.0
2. *Ischaemic heart diseases*	896	14.6	Kencing manis *Diabetes mellitus*	239	5.5
3. *Cerebrovascular diseases*	444	7.2	Penyakit serebrovaskular *Cerebrovascular diseases*	236	5.4
4. *Transport accidents*	300	4.9	Darah tinggi *Hypertension*	203	4.6
5. *Chronic lower respiratory diseases*	114	1.9	Penyakit jantung iskemia *Ischaemic heart diseases*	165	3.8
6. *Malignant neoplasm of trachea, bronchus and lung*	108	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	77	1.8
7. *Diabetes mellitus*	106	1.7	Lelah *Asthma*	74	1.7
8. *Diseases of the liver*	84	1.4	Radang paru-paru *Pneumonia*	69	1.6
9. *Malignant neoplasm of colon, rectum and anus*	76	1.2	Barah payudara *Breast cancer*	66	1.5
10. *Hypertensive diseases*	72	1.2	Barah hati *Liver cancer*	64	1.5
Keseluruhan sebab *All causes*	**6,128**		**Keseluruhan sebab** *All causes*	**4,380**	

Jadual 1.15: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Pahang, 2023 (samb.)

Table 1.15: Ten principal causes of death (medically certified and non-medically certified) by sex, Pahang, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	628	16.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	941	40.0
	2. *Pneumonia*	593	15.9	Penyakit serebrovaskular *Cerebrovascular diseases*	131	5.6
	3. *Transport accidents*	256	6.9	Kencing manis *Diabetes mellitus*	120	5.1
	4. *Cerebrovascular diseases*	255	6.8	Darah tinggi *Hypertension*	118	5.0
	5. *Chronic lower respiratory diseases*	79	2.1	Penyakit jantung iskemia *Ischaemic heart diseases*	107	4.5
	6. *Malignant neoplasm of trachea, bronchus and lung*	77	2.1	Lelah *Asthma*	52	2.2
	7. *Diseases of the liver*	59	1.6	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	48	2.0
	8. *Malignant neoplasm of colon, rectum and anus*	49	1.3	Barah hati *Liver cancer*	46	2.0
	9. *Malignant neoplasm of liver and intrahepatic bile ducts*	44	1.2	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	46	2.0
	10. *Diabetes mellitus*	42	1.1	Radang paru-paru *Pneumonia*	42	1.8
	Keseluruhan sebab *All causes*	**3,728**		**Keseluruhan sebab** *All causes*	**2,354**	
Perempuan/ *Female*	1. *Pneumonia*	406	16.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,029	50.8
	2. *Ischaemic heart diseases*	268	11.2	Kencing manis *Diabetes mellitus*	119	5.9
	3. *Cerebrovascular diseases*	189	7.9	Penyakit serebrovaskular *Cerebrovascular diseases*	105	5.2
	4. *Malignant neoplasm of breast*	68	2.8	Darah tinggi *Hypertension*	85	4.2
	5. *Diabetes mellitus*	64	2.7	Barah payudara *Breast cancer*	66	3.3
	6. *Transport accidents*	44	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	58	2.9
	7. *Chronic lower respiratory diseases*	35	1.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	29	1.4
	8. *Hypertensive diseases*	33	1.4	Radang paru-paru *Pneumonia*	27	1.3
	9. *Malignant neoplasm of trachea, bronchus and lung*	31	1.3	Lelah *Asthma*	22	1.1
	10. *Malignant neoplasm of colon, rectum and anus*	27	1.1	Barah hati *Liver cancer*	18	0.9
	Keseluruhan sebab *All causes*	**2,400**		**Keseluruhan sebab** *All causes*	**2,026**	

Jadual 1.16: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Perak, 2023

Table 1.16: Ten principal causes of death (medically certified and non-medically certified) by sex, Perak, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	2,002	15.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4,970	61.8
2. *Pneumonia*	1,999	15.6	Kencing manis *Diabetes mellitus*	312	3.9
3. *Cerebrovascular diseases*	984	7.7	Darah tinggi *Hypertension*	302	3.8
4. *Transport accidents*	429	3.4	Penyakit serebrovaskular *Cerebrovascular diseases*	245	3.0
5. *Malignant neoplasm of trachea, bronchus and lung*	226	1.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	111	1.4
6. *Malignant neoplasm of colon, rectum and anus*	210	1.6	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	108	1.3
7. *Chronic lower respiratory diseases*	208	1.6	Penyakit jantung iskemia *Ischaemic heart diseases*	78	1.0
8. *Diseases of the liver*	205	1.6	Lelah *Asthma*	74	0.9
9. *Diabetes mellitus*	197	1.5	Barah hati *Liver cancer*	68	0.8
10. *Malignant neoplasm of breast*	168	1.3	Radang paru-paru *Pneumonia*	64	0.8
Keseluruhan sebab *All causes*	**12,791**		**Keseluruhan sebab** *All causes*	**8,048**	

Jadual 1.16: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Perak, 2023 (samb.)

Table 1.16: Ten principal causes of death (medically certified and non-medically certified) by sex, Perak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	1,428	18.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,184	54.7
	2. *Pneumonia*	1,099	14.2	Kencing manis *Diabetes mellitus*	170	4.3
	3. *Cerebrovascular diseases*	578	7.5	Darah tinggi *Hypertension*	149	3.7
	4. *Transport accidents*	370	4.8	Penyakit serebrovaskular *Cerebrovascular diseases*	147	3.7
	5. *Malignant neoplasm of trachea, bronchus and lung*	159	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	76	1.9
	6. *Diseases of the liver*	149	1.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	76	1.9
	7. *Chronic lower respiratory diseases*	147	1.9	Penyakit jantung iskemia *Ischaemic heart diseases*	59	1.5
	8. *Malignant neoplasm of colon, rectum and anus*	125	1.6	Barah hati *Liver cancer*	48	1.2
	9. *Malignant neoplasm of liver and intrahepatic bile ducts*	118	1.5	Lelah *Asthma*	44	1.1
	10. *Diabetes mellitus*	97	1.3	Radang paru-paru *Pneumonia*	36	0.9
	Keseluruhan sebab *All causes*	**7,740**		**Keseluruhan sebab** *All causes*	**3,995**	
Perempuan/ *Female*	1. *Pneumonia*	900	17.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,786	68.7
	2. *Ischaemic heart diseases*	574	11.4	Darah tinggi *Hypertension*	153	3.8
	3. *Cerebrovascular diseases*	406	8.0	Kencing manis *Diabetes mellitus*	142	3.5
	4. *Malignant neoplasm of breast*	166	3.3	Penyakit serebrovaskular *Cerebrovascular diseases*	98	2.4
	5. *Diabetes mellitus*	100	2.0	Barah payudara *Breast cancer*	62	1.5
	6. *Malignant neoplasm of colon, rectum and anus*	85	1.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	35	0.9
	7. *Malignant neoplasm of trachea, bronchus and lung*	67	1.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	32	0.8
	8. *Hypertensive diseases*	64	1.3	Lelah *Asthma*	30	0.7
	9. *Chronic lower respiratory diseases*	61	1.2	Radang paru-paru *Pneumonia*	28	0.7
	10. *Transport accidents*	59	1.2	Barah hati *Liver cancer*	20	0.5
	Keseluruhan sebab *All causes*	**5,051**		**Keseluruhan sebab** *All causes*	**4,053**	

Jadual 1.17: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Perlis, 2023

Table 1.17: Ten principal causes of death (medically certified and non-medically certified) by sex, Perlis, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	248	18.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	365	43.6
2. *Ischaemic heart diseases*	202	15.1	Penyakit jantung iskemia *Ischaemic heart diseases*	80	9.6
3. *Cerebrovascular diseases*	111	8.3	Kencing manis *Diabetes mellitus*	63	7.5
4. *Transport accidents*	44	3.3	Darah tinggi *Hypertension*	59	7.0
5. *Malignant neoplasm of trachea, bronchus and lung*	26	1.9	Penyakit serebrovaskular *Cerebrovascular diseases*	35	4.2
6. *Malignant neoplasm of breast*	24	1.8	Lelah *Asthma*	28	3.3
7. *Diabetes mellitus*	18	1.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	17	2.0
8. *Chronic lower respiratory diseases*	15	1.1	Barah hati *Liver cancer*	11	1.3
9. *Malignant neoplasm of liver and intrahepatic bile ducts*	14	1.0	Radang paru-paru *Pneumonia*	7	0.8
10. *Malignant neoplasm of colon, rectum and anus*	11	0.8	Barah payudara *Breast cancer*	6	0.7
Keseluruhan sebab *All causes*	**1,334**		**Keseluruhan sebab** *All causes*	**837**	

Jadual 1.17: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Perlis, 2023 (samb.)

Table 1.17: Ten principal causes of death (medically certified and non-medically certified) by sex, Perlis, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Pneumonia*	146	19.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	142	34.5
	2. *Ischaemic heart diseases*	130	16.9	Penyakit jantung iskemia *Ischaemic heart diseases*	64	15.6
	3. *Cerebrovascular diseases*	57	7.4	Darah tinggi *Hypertension*	27	6.6
	4. *Transport accidents*	39	5.1	Kencing manis *Diabetes mellitus*	26	6.3
	5. *Malignant neoplasm of trachea, bronchus and lung*	14	1.8	Penyakit serebrovaskular *Cerebrovascular diseases*	18	4.4
	6. *Malignant neoplasm of liver and intrahepatic bile ducts*	11	1.4	Lelah *Asthma*	13	3.2
	7. *Chronic lower respiratory diseases*	11	1.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	10	2.4
	8. *Diabetes mellitus*	7	0.9	Barah hati *Liver cancer*	8	1.9
	9. *Diseases of the liver*	7	0.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	5	1.2
	10. *Intentional self-harm*	6	0.8	Radang paru-paru *Pneumonia*	4	1.0
	Keseluruhan sebab *All causes*	**768**		**Keseluruhan sebab** *All causes*	**411**	
Perempuan/ *Female*	1. *Pneumonia*	102	18.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	223	52.3
	2. *Ischaemic heart diseases*	72	12.7	Kencing manis *Diabetes mellitus*	37	8.7
	3. *Cerebrovascular diseases*	54	9.5	Darah tinggi *Hypertension*	32	7.5
	4. *Malignant neoplasm of breast*	24	4.2	Penyakit serebrovaskular *Cerebrovascular diseases*	17	4.0
	5. *Malignant neoplasm of trachea, bronchus and lung*	12	2.1	Penyakit jantung iskemia *Ischaemic heart diseases*	16	3.8
	6. *Diabetes mellitus*	11	1.9	Lelah *Asthma*	15	3.5
	7. *Malignant neoplasm of colon, rectum and anus*	9	1.6	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	7	1.6
	8. *Malignant neoplasm of cervix uteri*	6	1.1	Barah payudara *Breast cancer*	6	1.4
	9. *Hypertensive diseases*	6	1.1	Barah hati *Liver cancer*	3	0.7
	10. *Transport accidents*	5	0.9	Barah rahim *Uterus cancer*	3	0.7
	Keseluruhan sebab *All causes*	**566**		**Keseluruhan sebab** *All causes*	**426**	

Jadual 1.18: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Pulau Pinang, 2023

Table 1.18: Ten principal causes of death (medically certified and non-medically certified) by sex, Pulau Pinang, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	%	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	%
1. *Pneumonia*	1,394	17.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,563	57.4
2. *Ischaemic heart diseases*	1,209	15.4	Darah tinggi *Hypertension*	283	6.3
3. *Cerebrovascular diseases*	415	5.3	Kencing manis *Diabetes mellitus*	203	4.5
4. *Transport accidents*	311	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	152	3.4
5. *Malignant neoplasm of trachea, bronchus and lung*	174	2.2	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	71	1.6
6. *Diabetes mellitus*	162	2.1	Barah payudara *Breast cancer*	67	1.5
7. *Malignant neoplasm of colon, rectum and anus*	153	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	64	1.4
8. *Hypertensive diseases*	129	1.6	Barah hati *Liver cancer*	47	1.1
9. *Malignant neoplasm of breast*	120	1.5	Radang paru-paru *Pneumonia*	41	0.9
10. *Intentional self-harm*	117	1.5	Lelah *Asthma*	32	0.7
Keseluruhan sebab *All causes*	**7,839**		**Keseluruhan sebab** *All causes*	**4,465**	

Jadual 1.18: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Pulau Pinang, 2023 (samb.)

Table 1.18: Ten principal causes of death (medically certified and non-medically certified) by sex, Pulau Pinang, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	834	17.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,115	52.1
	2. *Pneumonia*	826	17.5	Darah tinggi *Hypertension*	128	6.0
	3. *Transport accidents*	259	5.5	Kencing manis *Diabetes mellitus*	101	4.7
	4. *Cerebrovascular diseases*	239	5.1	Penyakit serebrovaskular *Cerebrovascular diseases*	75	3.5
	5. *Malignant neoplasm of trachea, bronchus and lung*	111	2.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	37	1.7
	6. *Diabetes mellitus*	97	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	33	1.5
	7. *Intentional self-harm*	93	2.0	Barah hati *Liver cancer*	29	1.4
	8. *Malignant neoplasm of colon, rectum and anus*	82	1.7	Radang paru-paru *Pneumonia*	24	1.1
	9. *Hypertensive diseases*	80	1.7	Lelah *Asthma*	21	1.0
	10. *Malignant neoplasm of liver and intrahepatic bile ducts*	73	1.5	Penyakit jantung iskemia *Ischaemic heart diseases*	19	0.9
	Keseluruhan sebab *All causes*	**4,710**		**Keseluruhan sebab** *All causes*	**2,141**	
Perempuan/ *Female*	1. *Pneumonia*	568	18.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,448	62.3
	2. *Ischaemic heart diseases*	375	12.0	Darah tinggi *Hypertension*	155	6.7
	3. *Cerebrovascular diseases*	176	5.6	Kencing manis *Diabetes mellitus*	102	4.4
	4. *Malignant neoplasm of breast*	119	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	77	3.3
	5. *Malignant neoplasm of colon, rectum and anus*	71	2.3	Barah payudara *Breast cancer*	66	2.8
	6. *Diabetes mellitus*	65	2.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	34	1.5
	7. *Malignant neoplasm of trachea, bronchus and lung*	63	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	31	1.3
	8. *Transport accidents*	52	1.7	Barah hati *Liver cancer*	18	0.8
	9. *Hypertensive diseases*	49	1.6	Radang paru-paru *Pneumonia*	17	0.7
	10. *Malignant neoplasm of pancreas*	29	0.9	Barah ovari *Ovary cancer*	12	0.5
	Keseluruhan sebab *All causes*	**3,129**		**Keseluruhan sebab** *All causes*	**2,324**	

Jadual 1.19: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Sabah, 2023

Table 1.19: Ten principal causes of death (medically certified and non-medically certified) by sex, Sabah, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	1,134	14.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,212	25.7
2. *Ischaemic heart diseases*	635	7.9	Darah tinggi *Hypertension*	133	1.5
3. *Cerebrovascular diseases*	530	6.6	Penyakit serebrovaskular *Cerebrovascular diseases*	128	1.5
4. *Hypertensive diseases*	200	2.5	Kencing manis *Diabetes mellitus*	83	1.0
5. *Chronic lower respiratory diseases*	188	2.3	Penyakit jantung iskemia *Ischaemic heart diseases*	44	0.5
6. *Malignant neoplasm of colon, rectum and anus*	186	2.3	Lelah *Asthma*	33	0.4
7. *Transport accidents*	181	2.3	Radang paru-paru *Pneumonia*	31	0.4
8. *Malignant neoplasm of trachea, bronchus and lung*	174	2.2	Barah hati *Liver cancer*	25	0.3
9. *Malignant neoplasm of breast*	130	1.6	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	24	0.3
10. *Respiratory tuberculosis*	103	1.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	23	0.3
Keseluruhan sebab *All causes*	**8,009**		**Keseluruhan sebab** *All causes*	**8,601**	

Jadual 1.19: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Sabah, 2023 (samb.)

Table 1.19: Ten principal causes of death (medically certified and non-medically certified) by sex, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Pneumonia*	660	13.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,036	21.6
	2. *Ischaemic heart diseases*	470	9.6	Penyakit serebrovaskular *Cerebrovascular diseases*	85	1.8
	3. *Cerebrovascular diseases*	325	6.7	Darah tinggi *Hypertension*	74	1.5
	4. *Transport accidents*	157	3.2	Kencing manis *Diabetes mellitus*	45	0.9
	5. *Hypertensive diseases*	143	2.9	Penyakit jantung iskemia *Ischaemic heart diseases*	35	0.7
	6. *Chronic lower respiratory diseases*	122	2.5	Lelah *Asthma*	24	0.5
	7. *Malignant neoplasm of trachea, bronchus and lung*	116	2.4	Radang paru-paru *Pneumonia*	22	0.5
	8. *Malignant neoplasm of colon, rectum and anus*	99	2.0	Barah hati *Liver cancer*	21	0.4
	9. *Diseases of the liver*	73	1.5	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	15	0.3
	10. *Respiratory tuberculosis*	67	1.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	13	0.3
	Keseluruhan sebab *All causes*	**4,886**		**Keseluruhan sebab** *All causes*	**4,794**	
Perempuan/ *Female*	1. *Pneumonia*	474	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,176	30.9
	2. *Cerebrovascular diseases*	205	6.6	Darah tinggi *Hypertension*	59	1.5
	3. *Ischaemic heart diseases*	165	5.3	Penyakit serebrovaskular *Cerebrovascular diseases*	43	1.1
	4. *Malignant neoplasm of breast*	130	4.2	Kencing manis *Diabetes mellitus*	38	1.0
	5. *Malignant neoplasm of colon, rectum and anus*	87	2.8	Barah payudara *Breast cancer*	13	0.3
	6. *Malignant neoplasm of cervix uteri*	69	2.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	11	0.3
	7. *Chronic lower respiratory diseases*	66	2.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	11	0.3
	8. *Malignant neoplasm of trachea, bronchus and lung*	58	1.9	Lelah *Asthma*	9	0.2
	9. *Hypertensive diseases*	57	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	9	0.2
	10. *Respiratory tuberculosis*	36	1.2	Radang paru-paru *Pneumonia*	9	0.2
	Keseluruhan sebab *All causes*	**3,123**		**Keseluruhan sebab** *All causes*	**3,807**	

Jadual 1.20: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Sarawak, 2023

Table 1.20: Ten principal causes of death (medically certified and non-medically certified) by sex, Sarawak, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	773	9.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	88	1.1
2. *Ischaemic heart diseases*	640	8.2	Darah tinggi *Hypertension*	8	0.1
3. *Cerebrovascular diseases*	552	7.1	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	5	0.1
4. *Malignant neoplasm of trachea, bronchus and lung*	272	3.5	Kencing manis *Diabetes mellitus*	4	0.0
5. *Chronic lower respiratory diseases*	249	3.2	Penyakit serebrovaskular *Cerebrovascular diseases*	4	0.0
6. *Hypertensive diseases*	179	2.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	3	0.0
7. *Malignant neoplasm of colon, rectum and anus*	178	2.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	3	0.0
8. *Transport accidents*	153	2.0	Mati lemas *Drowning*	3	0.0
9. *Malignant neoplasm of liver and intrahepatic bile ducts*	150	1.9	Radang paru-paru *Pneumonia*	3	0.0
10. *Diseases of the liver*	122	1.6	Barah hati *Liver cancer*	2	0.0
Keseluruhan sebab *All causes*	**7,786**		**Keseluruhan sebab** *All causes*	**8,372**	

Jadual 1.20: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Sarawak, 2023 (samb.)

Table 1.20: Ten principal causes of death (medically certified and non-medically certified) by sex, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	465	9.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	35	0.8
	2. *Pneumonia*	438	9.3	Darah tinggi *Hypertension*	6	0.1
	3. *Cerebrovascular diseases*	325	6.9	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	4	0.1
	4. *Malignant neoplasm of trachea, bronchus and lung*	183	3.9	Mati lemas *Drowning*	3	0.1
	5. *Chronic lower respiratory diseases*	158	3.4	Penyakit serebrovaskular *Cerebrovascular diseases*	3	0.1
	6. *Transport accidents*	131	2.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	2	0.0
	7. *Malignant neoplasm of liver and intrahepatic bile ducts*	112	2.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	2	0.0
	8. *Hypertensive diseases*	105	2.2	Kencing manis *Diabetes mellitus*	2	0.0
	9. *Malignant neoplasm of colon, rectum and anus*	100	2.1	Radang paru-paru *Pneumonia*	2	0.0
	10. *Diseases of the liver*	87	1.9	Barah bibir,dalam mulut dan tekak *Cancer of lip, oral cavity and pharynx*	1	0.0
	Keseluruhan sebab *All causes*	**4,696**		**Keseluruhan sebab** *All causes*	**4,515**	
Perempuan/ *Female*	1. *Pneumonia*	335	10.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	53	1.4
	2. *Cerebrovascular diseases*	227	7.3	Darah tinggi *Hypertension*	2	0.1
	3. *Ischaemic heart diseases*	175	5.7	Kencing manis *Diabetes mellitus*	2	0.1
	4. *Malignant neoplasm of breast*	97	3.1	Barah hati *Liver cancer*	1	0.0
	5. *Chronic lower respiratory diseases*	91	2.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.0
	6. *Malignant neoplasm of trachea, bronchus and lung*	89	2.9	Barah limfoma *Lymphoma*	1	0.0
	7. *Malignant neoplasm of colon, rectum and anus*	78	2.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	0.0
	8. *Hypertensive diseases*	74	2.4	Barah pankreas *Pancreas cancer*	1	0.0
	9. *Diabetes mellitus*	68	2.2	Barah payudara *Breast cancer*	1	0.0
	10. *Malignant neoplasm of cervix uteri*	66	2.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	1	0.0
	Keseluruhan sebab *All causes*	**3,090**		**Keseluruhan sebab** *All causes*	**3,857**	

Jadual 1.21: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Selangor, 2023

Table 1.21: Ten principal causes of death (medically certified and non-medically certified) by sex, Selangor, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	3,076	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5,606	45.2
2. *Pneumonia*	3,072	15.2	Kencing manis *Diabetes mellitus*	738	5.9
3. *Cerebrovascular diseases*	1,283	6.3	Darah tinggi *Hypertension*	724	5.8
4. *Transport accidents*	775	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	507	4.1
5. *Malignant neoplasm of trachea, bronchus and lung*	390	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	294	2.4
6. *Malignant neoplasm of colon, rectum and anus*	350	1.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	251	2.0
7. *Intentional self-harm*	323	1.6	Barah payudara *Breast cancer*	196	1.6
8. *Malignant neoplasm of breast*	306	1.5	Barah hati *Liver cancer*	150	1.2
9. *Diseases of the liver*	274	1.4	Lelah *Asthma*	116	0.9
10. *Chronic lower respiratory diseases*	257	1.3	Penyakit jantung iskemia *Ischaemic heart diseases*	112	0.9
Keseluruhan sebab *All causes*	**20,234**		**Keseluruhan sebab** *All causes*	**12,412**	

Jadual 1.21: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Selangor, 2023 (samb.)

Table 1.21: Ten principal causes of death (medically certified and non-medically certified) by sex, Selangor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	2,265	18.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,520	38.2
	2. *Pneumonia*	1,792	14.4	Kencing manis *Diabetes mellitus*	428	6.5
	3. *Cerebrovascular diseases*	778	6.3	Darah tinggi *Hypertension*	423	6.4
	4. *Transport accidents*	689	5.5	Penyakit serebrovaskular *Cerebrovascular diseases*	300	4.5
	5. *Intentional self-harm*	268	2.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	168	2.5
	6. *Malignant neoplasm of trachea, bronchus and lung*	241	1.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	150	2.3
	7. *Malignant neoplasm of colon, rectum and anus*	203	1.6	Barah hati *Liver cancer*	110	1.7
	8. *Diseases of the liver*	197	1.6	Penyakit jantung iskemia *Ischaemic heart diseases*	89	1.3
	9. *Chronic lower respiratory diseases*	185	1.5	Lelah *Asthma*	68	1.0
	10. *Malignant neoplasm of liver and intrahepatic bile ducts*	183	1.5	Barah prostat *Prostate cancer*	61	0.9
	Keseluruhan sebab *All causes*	**12,434**		**Keseluruhan sebab** *All causes*	**6,595**	
Perempuan/ *Female*	1. *Pneumonia*	1,280	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	3,086	53.1
	2. *Ischaemic heart diseases*	811	10.4	Kencing manis *Diabetes mellitus*	310	5.3
	3. *Cerebrovascular diseases*	505	6.5	Darah tinggi *Hypertension*	301	5.2
	4. *Malignant neoplasm of breast*	304	3.9	Penyakit serebrovaskular *Cerebrovascular diseases*	207	3.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	149	1.9	Barah payudara *Breast cancer*	194	3.3
	6. *Malignant neoplasm of colon, rectum and anus*	147	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	126	2.2
	7. *Malignant neoplasm of ovary*	107	1.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	101	1.7
	8. *Transport accidents*	86	1.1	Lelah *Asthma*	48	0.8
	9. *Diseases of the liver*	77	1.0	Barah ovari *Ovary cancer*	46	0.8
	10. *Chronic lower respiratory diseases*	72	0.9	Barah hati *Liver cancer*	40	0.7
	Keseluruhan sebab *All causes*	**7,800**		**Keseluruhan sebab** *All causes*	**5,817**	

Jadual 1.22: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Terengganu, 2023

Table 1.22: Ten principal causes of death (medically certified and non-medically certified) by sex, Terengganu, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	%	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	%
1. *Ischaemic heart diseases*	776	15.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,049	37.9
2. *Pneumonia*	692	13.6	Kencing manis *Diabetes mellitus*	241	8.7
3. *Cerebrovascular diseases*	514	10.1	Penyakit serebrovaskular *Cerebrovascular diseases*	230	8.3
4. *Transport accidents*	214	4.2	Darah tinggi *Hypertension*	225	8.1
5. *Diabetes mellitus*	197	3.9	Penyakit jantung iskemia *Ischaemic heart diseases*	80	2.9
6. *Chronic lower respiratory diseases*	116	2.3	Lelah *Asthma*	64	2.3
7. *Hypertensive diseases*	115	2.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	38	1.4
8. *Malignant neoplasm of colon, rectum and anus*	83	1.6	Radang paru-paru *Pneumonia*	36	1.3
9. *Malignant neoplasm of breast*	75	1.5	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	34	1.2
10. *Malignant neoplasm of trachea, bronchus and lung*	74	1.5	Barah payudara *Breast cancer*	32	1.2
Keseluruhan sebab *All causes*	**5,087**		**Keseluruhan sebab** *All causes*	**2,770**	

Jadual 1.22: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Terengganu, 2023 (samb.)

Table 1.22: Ten principal causes of death (medically certified and non-medically certified) by sex, Terengganu, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	562	18.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	425	29.5
	2. *Pneumonia*	408	13.6	Penyakit serebrovaskular *Cerebrovascular diseases*	128	8.9
	3. *Cerebrovascular diseases*	263	8.8	Kencing manis *Diabetes mellitus*	121	8.4
	4. *Transport accidents*	176	5.9	Darah tinggi *Hypertension*	104	7.2
	5. *Diabetes mellitus*	90	3.0	Penyakit jantung iskemia *Ischaemic heart diseases*	66	4.6
	6. *Chronic lower respiratory diseases*	79	2.6	Lelah *Asthma*	48	3.3
	7. *Hypertensive diseases*	61	2.0	Radang paru-paru *Pneumonia*	25	1.7
	8. *Malignant neoplasm of trachea, bronchus and lung*	45	1.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	24	1.7
	9. *Diseases of the liver*	42	1.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	19	1.3
	10. *Malignant neoplasm of liver and intrahepatic bile ducts*	41	1.4	Barah hati *Liver cancer*	17	1.2
	Keseluruhan sebab *All causes*	**2,998**		**Keseluruhan sebab** *All causes*	**1,443**	
Perempuan/ *Female*	1. *Pneumonia*	284	13.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	624	47.0
	2. *Cerebrovascular diseases*	251	12.0	Darah tinggi *Hypertension*	121	9.1
	3. *Ischaemic heart diseases*	214	10.2	Kencing manis *Diabetes mellitus*	120	9.0
	4. *Diabetes mellitus*	107	5.1	Penyakit serebrovaskular *Cerebrovascular diseases*	102	7.7
	5. *Malignant neoplasm of breast*	75	3.6	Barah payudara *Breast cancer*	32	2.4
	6. *Hypertensive diseases*	54	2.6	Lelah *Asthma*	16	1.2
	7. *Malignant neoplasm of colon, rectum and anus*	47	2.2	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	15	1.1
	8. *Transport accidents*	38	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	14	1.1
	9. *Chronic lower respiratory diseases*	37	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	14	1.1
	10. *Malignant neoplasm of trachea, bronchus and lung*	29	1.4	Radang paru-paru *Pneumonia*	11	0.8
	Keseluruhan sebab *All causes*	**2,089**		**Keseluruhan sebab** *All causes*	**1,327**	

Jadual 1.23: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, W.P. Kuala Lumpur, 2023

Table 1.23: Ten principal causes of death (medically certified and non-medically certified) by sex, W.P. Kuala Lumpur, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	1,099	16.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,598	55.4
2. *Pneumonia*	989	14.6	Darah tinggi *Hypertension*	140	4.9
3. *Cerebrovascular diseases*	472	7.0	Kencing manis *Diabetes mellitus*	130	4.5
4. *Malignant neoplasm of trachea, bronchus and lung*	165	2.4	Penyakit serebrovaskular *Cerebrovascular diseases*	66	2.3
5. *Malignant neoplasm of colon, rectum and anus*	158	2.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	43	1.5
6. *Diabetes mellitus*	153	2.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	38	1.3
7. *Transport accidents*	140	2.1	Barah payudara *Breast cancer*	34	1.2
8. *Malignant neoplasm of liver and intrahepatic bile ducts*	126	1.9	Penyakit jantung iskemia *Ischaemic heart diseases*	32	1.1
9. *Malignant neoplasm of breast*	116	1.7	Barah hati *Liver cancer*	27	0.9
10. *Intentional self-harm*	108	1.6	Lelah *Asthma*	24	0.8
Keseluruhan sebab *All causes*	**6,763**		**Keseluruhan sebab** *All causes*	**2,883**	

Jadual 1.23: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, W.P. Kuala Lumpur, 2023 (samb.)

Table 1.23: Ten principal causes of death (medically certified and non-medically certified) by sex, W.P. Kuala Lumpur, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	741	18.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	714	46.8
	2. *Pneumonia*	582	14.5	Darah tinggi *Hypertension*	86	5.6
	3. *Cerebrovascular diseases*	274	6.8	Kencing manis *Diabetes mellitus*	83	5.4
	4. *Transport accidents*	128	3.2	Penyakit serebrovaskular *Cerebrovascular diseases*	37	2.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	113	2.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	29	1.9
	6. *Malignant neoplasm of colon, rectum and anus*	98	2.4	Barah hati *Liver cancer*	23	1.5
	7. *Malignant neoplasm of liver and intrahepatic bile ducts*	95	2.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	22	1.4
	8. *Diabetes mellitus*	87	2.2	Penyakit jantung iskemia *Ischaemic heart diseases*	22	1.4
	9. *Intentional self-harm*	79	2.0	Lelah *Asthma*	16	1.0
	10. *Hypertensive diseases*	69	1.7	Barah prostat *Prostat cancer*	10	0.7
	Keseluruhan sebab *All causes*	**4,004**		**Keseluruhan sebab** *All causes*	**1,527**	
Perempuan/ *Female*	1. *Pneumonia*	407	14.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	884	65.2
	2. *Ischaemic heart diseases*	358	13.0	Darah tinggi *Hypertension*	54	4.0
	3. *Cerebrovascular diseases*	198	7.2	Kencing manis *Diabetes mellitus*	47	3.5
	4. *Malignant neoplasm of breast*	116	4.2	Barah payudara *Breast cancer*	34	2.5
	5. *Diabetes mellitus*	66	2.4	Penyakit serebrovaskular *Cerebrovascular diseases*	29	2.1
	6. *Malignant neoplasm of colon, rectum and anus*	60	2.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	16	1.2
	7. *Malignant neoplasm of trachea, bronchus and lung*	52	1.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	14	1.0
	8. *Hypertensive diseases*	38	1.4	Penyakit jantung iskemia *Ischaemic heart diseases*	10	0.7
	9. *Chronic lower respiratory diseases*	34	1.2	Lelah *Asthma*	8	0.6
	10. *Malignant neoplasm of liver and intrahepatic bile ducts*	31	1.1	Barah ovari *Ovary cancer*	7	0.5
	Keseluruhan sebab *All causes*	**2,759**		**Keseluruhan sebab** *All causes*	**1,356**	

Jadual 1.24: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, W.P. Labuan, 2023

Table 1.24: Ten principal causes of death (medically certified and non-medically certified) by sex, W.P. Labuan, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	%	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	%
1. *Pneumonia*	28	13.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	59	46.5
2. *Ischaemic heart diseases*	21	10.2	Darah tinggi *Hypertension*	3	2.4
3. *Cerebrovascular diseases*	17	8.3	Barah hati *Liver cancer*	2	1.6
4. *Malignant neoplasm of colon, rectum and anus*	6	2.9	Mati lemas *Drowning*	2	1.6
5. *Transport accidents*	6	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	2	1.6
6. *Malignant neoplasm of trachea, bronchus and lung*	5	2.4	Lelah *Asthma*	1	0.8
7. *Respiratory tuberculosis*	4	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.8
8. *Diseases of the liver*	4	1.9	Barah payudara *Breast cancer*	1	0.8
9. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	3	1.5	Barah sel darah putih *Leukaemia*	1	0.8
10. *Chronic lower respiratory diseases*	3	1.5	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	1	0.8
Keseluruhan sebab *All causes*	**206**		**Keseluruhan sebab** *All causes*	**127**	

Jadual 1.24: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, W.P. Labuan, 2023 (samb.)

Table 1.24: Ten principal causes of death (medically certified and non-medically certified) by sex, W.P. Labuan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Pneumonia*	19	15.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	22	31.4
	2. *Ischaemic heart diseases*	15	12.1	Darah tinggi *Hypertension*	3	4.3
	3. *Cerebrovascular diseases*	6	4.8	Mati lemas *Drowning*	2	2.9
	4. *Transport accidents*	5	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	2	2.9
	5. *Malignant neoplasm of colon, rectum and anus*	3	2.4	Lelah *Asthma*	1	1.4
	6. *Malignant neoplasm of trachea, bronchus and lung*	3	2.4	Barah hati *Liver cancer*	1	1.4
	7. *Diseases of the liver*	3	2.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	1.4
	8. *Diarrhoea and gastroenteritis of presumed infectious origin*	2	1.6	Barah sel darah putih *Leukaemia*	1	1.4
	9. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	2	1.6	-		
	10. *Hypertensive diseases*	2	1.6	-		
	Keseluruhan sebab *All causes*	**124**		**Keseluruhan sebab** *All causes*	**70**	
Perempuan/ *Female*	1. *Cerebrovascular diseases*	11	13.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	37	64.9
	2. *Pneumonia*	9	11.0	Barah hati *Liver cancer*	1	1.8
	3. *Ischaemic heart diseases*	6	7.3	Barah payudara *Breast cancer*	1	1.8
	4. *Respiratory tuberculosis*	3	3.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	1	1.8
	5. *Malignant neoplasm of colon, rectum and anus*	3	3.7	-		
	6. *Chronic lower respiratory diseases*	3	3.7	-		
	7. *Malignant neoplasm of trachea, bronchus and lung*	2	2.4	-		
	8. *COVID-19 infection (due to)*	2	2.4	-		
	9. *Whooping cough*	1	1.2	-		
	10. *Viral hepatitis*	1	1.2	-		
	Keseluruhan sebab *All causes*	**82**		**Keseluruhan sebab** *All causes*	**57**	

Jadual 1.25: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, W.P. Putrajaya, 2023

Table 1.25: Ten principal causes of death (medically certified and non-medically certified) by sex, W.P. Putrajaya, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	42	16.0	Kencing manis *Diabetes mellitus*	6	27.3
2. *Pneumonia*	21	8.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5	22.7
3. *Cerebrovascular diseases*	18	6.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	2	9.1
4. *Malignant neoplasm of colon, rectum and anus*	14	5.3	Barah hati *Liver cancer*	1	4.5
5. *Transport accidents*	12	4.6	Barah perut *Stomach cancer*	1	4.5
6. *Malignant neoplasm of trachea, bronchus and lung*	7	2.7	Darah tinggi *Hypertension*	1	4.5
7. *Malignant neoplasm of breast*	7	2.7	-		
8. *Hypertensive diseases*	6	2.3	-		
9. *Diabetes mellitus*	5	1.9	-		
10. *Malignant neoplasm of liver and intrahepatic bile ducts*	3	1.1	-		
Keseluruhan sebab *All causes*	**262**		**Keseluruhan sebab** *All causes*	**22**	

Jadual 1.25: Sepuluh sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut jantina, W.P. Putrajaya, 2023 (samb.)

Table 1.25: Ten principal causes of death (medically certified and non-medically certified) by sex, W.P. Putrajaya, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	32	21.1	Kencing manis *Diabetes mellitus*	6	46.2
	2. *Cerebrovascular diseases*	12	7.9	Barah hati *Liver cancer*	1	7.7
	3. *Transport accidents*	10	6.6	Barah perut *Stomach cancer*	1	7.7
	4. *Malignant neoplasm of colon, rectum and anus*	8	5.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	7.7
	5. *Pneumonia*	7	4.6	-		
	6. *Diabetes mellitus*	3	2.0	-		
	7. *Malignant neoplasm of pancreas*	2	1.3	-		
	8. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	2	1.3	-		
	9. *Hypertensive diseases*	2	1.3	-		
	10. *Measles*	1	0.7	-		
	Keseluruhan sebab *All causes*	**152**		**Keseluruhan sebab** *All causes*	**13**	
Perempuan/ *Female*	1. *Pneumonia*	14	12.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4	44.4
	2. *Ischaemic heart diseases*	10	9.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	2	22.2
	3. *Malignant neoplasm of trachea, bronchus and lung*	7	6.4	Darah tinggi *Hypertension*	1	11.1
	4. *Malignant neoplasm of breast*	7	6.4	-		
	5. *Malignant neoplasm of colon, rectum and anus*	6	5.5	-		
	6. *Cerebrovascular diseases*	6	5.5	-		
	7. *Hypertensive diseases*	4	3.6	-		
	8. *Malignant neoplasm of ovary*	3	2.7	-		
	9. *Malignant neoplasm of liver and intrahepatic bile ducts*	2	1.8	-		
	10. *Diabetes mellitus*	2	1.8	-		
	Keseluruhan sebab *All causes*	**110**		**Keseluruhan sebab** *All causes*	**9**	

Jadual 1.26: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Johor, 2023

Table 1.26: Five principal causes of death (medically certified and non-medically certified) by administrative district, Johor, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Ischaemic heart diseases*	2,553	16.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5,392	57.7
	2. *Pneumonia*	2,451	16.0	Darah tinggi *Hypertension*	426	4.6
	3. *Cerebrovascular diseases*	1,069	7.0	Kencing manis *Diabetes mellitus*	335	3.6
	4. *Transport accidents*	612	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	234	2.5
	5. *Malignant neoplasm of colon, rectum and anus*	274	1.8	Penyakit jantung iskemia *Ischaemic heart diseases*	162	1.7
	Keseluruhan sebab *All causes*	**15,357**		**Keseluruhan sebab** *All causes*	**9,348**	
Batu Pahat	1. *Ischaemic heart diseases*	375	17.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	937	71.6
	2. *Pneumonia*	375	17.8	Kencing manis *Diabetes mellitus*	41	3.1
	3. *Cerebrovascular diseases*	178	8.5	Darah tinggi *Hypertension*	28	2.1
	4. *Transport accidents*	74	3.5	Penyakit serebrovaskular *Cerebrovascular diseases*	20	1.5
	5. *Malignant neoplasm of trachea, bronchus and lung*	47	2.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	17	1.3
	Keseluruhan sebab *All causes*	**2,105**		**Keseluruhan sebab** *All causes*	**1,308**	
Johor Bahru	1. *Pneumonia*	787	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,399	43.8
	2. *Ischaemic heart diseases*	782	15.1	Darah tinggi *Hypertension*	256	8.0
	3. *Cerebrovascular diseases*	326	6.3	Kencing manis *Diabetes mellitus*	189	5.9
	4. *Transport accidents*	203	3.9	Penyakit serebrovaskular *Cerebrovascular diseases*	131	4.1
	5. *Malignant neoplasm of colon, rectum and anus*	98	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	83	2.6
	Keseluruhan sebab *All causes*	**5,166**		**Keseluruhan sebab** *All causes*	**3,197**	

Jadual 1.26: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Johor, 2023 (samb.)

Table 1.26: Five principal causes of death (medically certified and non-medically certified) by administrative district, Johor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Kluang	1. *Pneumonia*	258	16.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	414	56.9
	2. *Ischaemic heart diseases*	246	15.7	Darah tinggi *Hypertension*	29	4.0
	3. *Cerebrovascular diseases*	144	9.2	Penyakit jantung iskemia *Ischaemic heart diseases*	22	3.0
	4. *Transport accidents*	54	3.4	Kencing manis *Diabetes mellitus*	18	2.5
	5. *Malignant neoplasm of breast*	31	2.0	Penyakit serebrovaskular *Cerebrovascular diseases*	15	2.1
	Keseluruhan sebab *All causes*	**1,567**		**Keseluruhan sebab** *All causes*	**728**	
Kota Tinggi	1. *Pneumonia*	203	16.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	331	60.1
	2. *Ischaemic heart diseases*	191	15.9	Darah tinggi *Hypertension*	28	5.1
	3. *Cerebrovascular diseases*	94	7.8	Penyakit serebrovaskular *Cerebrovascular diseases*	18	3.3
	4. *Transport accidents*	64	5.3	Kencing manis *Diabetes mellitus*	16	2.9
	5. *Chronic lower respiratory diseases*	27	2.3	Penyakit jantung iskemia *Ischaemic heart diseases*	11	2.0
	Keseluruhan sebab *All causes*	**1,198**		**Keseluruhan sebab** *All causes*	**551**	
Mersing	1. *Pneumonia*	57	14.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	174	69.0
	2. *Ischaemic heart diseases*	55	14.3	Darah tinggi *Hypertension*	7	2.8
	3. *Cerebrovascular diseases*	23	6.0	Barah payudara *Breast cancer*	4	1.6
	4. *Transport accidents*	18	4.7	Penyakit jantung iskemia *Ischaemic heart diseases*	4	1.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	8	2.1	Penyakit serebrovaskular *Cerebrovascular diseases*	3	1.2
	Keseluruhan sebab *All causes*	**385**		**Keseluruhan sebab** *All causes*	**252**	

Jadual 1.26: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Johor, 2023 (samb.)

Table 1.26: Five principal causes of death (medically certified and non-medically certified) by administrative district, Johor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Muar	1. *Ischaemic heart diseases*	230	19.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	663	70.2
	2. *Pneumonia*	174	15.1	Darah tinggi *Hypertension*	27	2.9
	3. *Cerebrovascular diseases*	89	7.7	Penyakit jantung iskemia *Ischaemic heart diseases*	19	2.0
	4. *Transport accidents*	44	3.8	Kencing manis *Diabetes mellitus*	18	1.9
	5. *Hypertensive diseases*	37	3.2	Penyakit serebrovaskular *Cerebrovascular diseases*	15	1.6
	Keseluruhan sebab *All causes*	**1,153**		**Keseluruhan sebab** *All causes*	**944**	
Pontian	1. *Pneumonia*	166	16.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	379	70.6
	2. *Ischaemic heart diseases*	131	13.3	Darah tinggi *Hypertension*	17	3.2
	3. *Cerebrovascular diseases*	53	5.4	Kencing manis *Diabetes mellitus*	16	3.0
	4. *Hypertensive diseases*	45	4.6	Penyakit serebrovaskular *Cerebrovascular diseases*	11	2.0
	5. *Transport accidents*	39	4.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	8	1.5
	Keseluruhan sebab *All causes*	**985**		**Keseluruhan sebab** *All causes*	**537**	
Segamat	1. *Ischaemic heart diseases*	173	17.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	546	66.7
	2. *Pneumonia*	166	17.0	Darah tinggi *Hypertension*	23	2.8
	3. *Cerebrovascular diseases*	68	7.0	Kencing manis *Diabetes mellitus*	15	1.8
	4. *Transport accidents*	52	5.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	12	1.5
	5. *Malignant neoplasm of liver and intrahepatic bile ducts*	16	1.6	Barah payudara *Breast cancer*	9	1.1
	Keseluruhan sebab *All causes*	**975**		**Keseluruhan sebab** *All causes*	**818**	

Jadual 1.26: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Johor, 2023 (samb.)

Table 1.26: Five principal causes of death (medically certified and non-medically certified) by administrative district, Johor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Kulai	1. *Ischaemic heart diseases*	193	18.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	423	67.8
	2. *Pneumonia*	178	16.7	Penyakit jantung iskemia *Ischaemic heart diseases*	31	5.0
	3. *Cerebrovascular diseases*	59	5.5	Kencing manis *Diabetes mellitus*	16	2.6
	4. *Transport accidents*	30	2.8	Darah tinggi *Hypertension*	10	1.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	23	2.2	Penyakit serebrovaskular *Cerebrovascular diseases*	10	1.6
	Keseluruhan sebab *All causes*	**1,067**		**Keseluruhan sebab** *All causes*	**624**	
Tangkak	1. *Ischaemic heart diseases*	177	23.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	126	32.4
	2. *Pneumonia*	87	11.5	Penyakit jantung iskemia *Ischaemic heart diseases*	10	2.6
	3. *Cerebrovascular diseases*	35	4.6	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	9	2.3
	4. *Transport accidents*	34	4.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	6	1.5
	5. *Hypertensive diseases*	29	3.8	Barah hati *Liver cancer*	4	1.0
	Keseluruhan sebab *All causes*	**756**		**Keseluruhan sebab** *All causes*	**389**	

Jadual 1.27: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kedah, 2023

Table 1.27: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kedah, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kedah	1. *Ischaemic heart diseases*	2,278	18.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,184	47.4
	2. *Pneumonia*	2,157	17.9	Kencing manis *Diabetes mellitus*	335	7.3
	3. *Cerebrovascular diseases*	1,090	9.1	Darah tinggi *Hypertension*	271	5.9
	4. *Transport accidents*	469	3.9	Penyakit serebrovaskular *Cerebrovascular diseases*	234	5.1
	5. *Diabetes mellitus*	370	3.1	Lelah *Asthma*	146	3.2
	Keseluruhan sebab *All causes*	**12,036**		**Keseluruhan sebab** *All causes*	**4,607**	
Baling	1. *Ischaemic heart diseases*	202	20.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	270	55.7
	2. *Pneumonia*	161	16.3	Penyakit serebrovaskular *Cerebrovascular diseases*	27	5.6
	3. *Cerebrovascular diseases*	112	11.3	Kencing manis *Diabetes mellitus*	25	5.2
	4. *Transport accidents*	60	6.1	Lelah *Asthma*	16	3.3
	5. *Chronic lower respiratory diseases*	26	2.6	Darah tinggi *Hypertension*	16	3.3
	Keseluruhan sebab *All causes*	**987**		**Keseluruhan sebab** *All causes*	**485**	
Bandar Baharu	1. *Pneumonia*	54	16.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	38	45.8
	2. *Ischaemic heart diseases*	36	11.3	Kencing manis *Diabetes mellitus*	5	6.0
	3. *Diabetes mellitus*	27	8.5	Darah tinggi *Hypertension*	4	4.8
	4. *Cerebrovascular diseases*	26	8.2	Penyakit serebrovaskular *Cerebrovascular diseases*	4	4.8
	5. *Hypertensive diseases*	15	4.7	Paru-paru berair *Pulmonary edema*	2	2.4
	Keseluruhan sebab *All causes*	**319**		**Keseluruhan sebab** *All causes*	**83**	

Jadual 1.27: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kedah, 2023 (samb.)

Table 1.27: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kedah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kota Setar	1. *Pneumonia*	523	22.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	431	47.1
	2. *Ischaemic heart diseases*	438	18.6	Kencing manis *Diabetes mellitus*	53	5.8
	3. *Cerebrovascular diseases*	224	9.5	Lelah *Asthma*	47	5.1
	4. *Transport accidents*	61	2.6	Penyakit serebrovaskular *Cerebrovascular diseases*	46	5.0
	5. *Chronic lower respiratory diseases*	54	2.3	Darah tinggi *Hypertension*	32	3.5
	Keseluruhan sebab *All causes*	**2,355**		**Keseluruhan sebab** *All causes*	**915**	
Kuala Muda	1. *Ischaemic heart diseases*	465	16.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	431	47.5
	2. *Pneumonia*	368	13.3	Kencing manis *Diabetes mellitus*	79	8.7
	3. *Cerebrovascular diseases*	283	10.2	Darah tinggi *Hypertension*	71	7.8
	4. *Transport accidents*	111	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	45	5.0
	5. *Diabetes mellitus*	101	3.6	Barah payudara *Breast cancer*	15	1.7
	Keseluruhan sebab *All causes*	**2,769**		**Keseluruhan sebab** *All causes*	**907**	
Kubang Pasu	1. *Pneumonia*	368	26.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	222	47.0
	2. *Ischaemic heart diseases*	241	17.2	Lelah *Asthma*	38	8.1
	3. *Cerebrovascular diseases*	108	7.7	Kencing manis *Diabetes mellitus*	30	6.4
	4. *Diabetes mellitus*	67	4.8	Darah tinggi *Hypertension*	25	5.3
	5. *Chronic lower respiratory diseases*	55	3.9	Penyakit serebrovaskular *Cerebrovascular diseases*	21	4.4
	Keseluruhan sebab *All causes*	**1,401**		**Keseluruhan sebab** *All causes*	**472**	

Jadual 1.27: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kedah, 2023 (samb.)

Table 1.27: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kedah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kulim	1. *Ischaemic heart diseases*	312	20.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	215	38.5
	2. *Pneumonia*	242	16.0	Darah tinggi *Hypertension*	52	9.3
	3. *Cerebrovascular diseases*	102	6.8	Kencing manis *Diabetes mellitus*	50	8.9
	4. *Transport accidents*	68	4.5	Penyakit serebrovaskular *Cerebrovascular diseases*	36	6.4
	5. *Diabetes mellitus*	37	2.5	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	16	2.9
	Keseluruhan sebab *All causes*	**1,510**		**Keseluruhan sebab** *All causes*	**559**	
Langkawi	1. *Ischaemic heart diseases*	136	31.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	72	39.1
	2. *Pneumonia*	53	12.2	Darah tinggi *Hypertension*	12	6.5
	3. *Cerebrovascular diseases*	35	8.0	Penyakit serebrovaskular *Cerebrovascular diseases*	11	6.0
	4. *Transport accidents*	19	4.4	Kencing manis *Diabetes mellitus*	10	5.4
	5. *Chronic lower respiratory diseases*	11	2.5	Barah hati *Liver cancer*	4	2.2
	Keseluruhan sebab *All causes*	**435**		**Keseluruhan sebab** *All causes*	**184**	
Padang Terap	1. *Ischaemic heart diseases*	72	18.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	75	35.0
	2. *Pneumonia*	72	18.9	Darah tinggi *Hypertension*	14	6.5
	3. *Cerebrovascular diseases*	26	6.8	Kencing manis *Diabetes mellitus*	13	6.1
	4. *Transport accidents*	20	5.2	Penyakit serebrovaskular *Cerebrovascular diseases*	7	3.3
	5. *Chronic lower respiratory diseases*	16	4.2	Lelah *Asthma*	6	2.8
	Keseluruhan sebab *All causes*	**381**		**Keseluruhan sebab** *All causes*	**214**	

Jadual 1.27: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kedah, 2023 (samb.)

Table 1.27: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kedah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Sik	1. *Ischaemic heart diseases*	105	23.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	91	64.1
	2. *Pneumonia*	54	11.8	Kencing manis *Diabetes mellitus*	9	6.3
	3. *Cerebrovascular diseases*	46	10.1	Darah tinggi *Hypertension*	7	4.9
	4. *Transport accidents*	25	5.5	Lelah *Asthma*	4	2.8
	5. *Chronic lower respiratory diseases*	19	4.2	Radang paru-paru *Pneumonia*	4	2.8
	Keseluruhan sebab *All causes*	**457**		**Keseluruhan sebab** *All causes*	**142**	
Yan	1. *Pneumonia*	68	18.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	106	61.6
	2. *Ischaemic heart diseases*	58	15.8	Kencing manis *Diabetes mellitus*	12	7.0
	3. *Cerebrovascular diseases*	32	8.7	Darah tinggi *Hypertension*	7	4.1
	4. *Diabetes mellitus*	17	4.6	Penyakit serebrovaskular *Cerebrovascular diseases*	6	3.5
	5. *Chronic lower respiratory diseases*	13	3.6	Lelah *Asthma*	4	2.3
	Keseluruhan sebab *All causes*	**366**		**Keseluruhan sebab** *All causes*	**172**	
Pendang	1. *Ischaemic heart diseases*	146	20.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	147	46.2
	2. *Pneumonia*	126	17.7	Kencing manis *Diabetes mellitus*	35	11.0
	3. *Cerebrovascular diseases*	61	8.6	Darah tinggi *Hypertension*	21	6.6
	4. *Transport accidents*	29	4.1	Penyakit serebrovaskular *Cerebrovascular diseases*	21	6.6
	5. *Diabetes mellitus*	21	2.9	Penyakit jantung iskemia *Ischaemic heart diseases*	7	2.2
	Keseluruhan sebab *All causes*	**713**		**Keseluruhan sebab** *All causes*	**318**	

Jadual 1.27: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kedah, 2023 (samb.)

Table 1.27: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kedah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Pokok Sena	1. *Pneumonia*	68	19.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	86	55.1
	2. *Ischaemic heart diseases*	67	19.5	Kencing manis *Diabetes mellitus*	14	9.0
	3. *Cerebrovascular diseases*	35	10.2	Darah tinggi *Hypertension*	10	6.4
	4. *Transport accidents*	16	4.7	Penyakit serebrovaskular *Cerebrovascular diseases*	7	4.5
	5. *Chronic lower respiratory diseases*	10	2.9	Barah hati *Liver cancer*	3	1.9
	Keseluruhan sebab *All causes*	**343**		**Keseluruhan sebab** *All causes*	**156**	

Jadual 1.28: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kelantan, 2023

Table 1.28: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kelantan, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kelantan	1. *Ischaemic heart diseases*	1,299	18.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,712	35.5
	2. *Pneumonia*	1,160	16.5	Darah tinggi *Hypertension*	415	8.6
	3. *Cerebrovascular diseases*	536	7.6	Kencing manis *Diabetes mellitus*	397	8.2
	4. *Transport accidents*	206	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	396	8.2
	5. *Chronic lower respiratory diseases*	123	1.8	Lelah *Asthma*	170	3.5
	Keseluruhan sebab *All causes*	**7,019**		**Keseluruhan sebab** *All causes*	**4,820**	
Bachok	1. *Ischaemic heart diseases*	145	19.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	194	64.7
	2. *Pneumonia*	103	13.8	Kencing manis *Diabetes mellitus*	19	6.3
	3. *Cerebrovascular diseases*	62	8.3	Penyakit serebrovaskular *Cerebrovascular diseases*	13	4.3
	4. *Diabetes mellitus*	25	3.3	Darah tinggi *Hypertension*	12	4.0
	5. *Malignant neoplasm of trachea, bronchus and lung*	22	2.9	Lelah *Asthma*	6	2.0
	Keseluruhan sebab *All causes*	**748**		**Keseluruhan sebab** *All causes*	**300**	
Kota Bharu	1. *Pneumonia*	330	18.1	Darah tinggi *Hypertension*	282	15.9
	2. *Ischaemic heart diseases*	316	17.3	Kencing manis *Diabetes mellitus*	222	12.5
	3. *Cerebrovascular diseases*	138	7.6	Penyakit serebrovaskular *Cerebrovascular diseases*	209	11.7
	4. *Transport accidents*	50	2.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	194	10.9
	5. *Malignant neoplasm of trachea, bronchus and lung*	28	1.5	Lelah *Asthma*	91	5.1
	Keseluruhan sebab *All causes*	**1,822**		**Keseluruhan sebab** *All causes*	**1,779**	

Jadual 1.28: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kelantan, 2023 (samb.)

Table 1.28: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kelantan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Machang	1. *Ischaemic heart diseases*	127	23.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	65	28.8
	2. *Pneumonia*	89	16.6	Darah tinggi *Hypertension*	26	11.5
	3. *Cerebrovascular diseases*	50	9.3	Penyakit serebrovaskular *Cerebrovascular diseases*	18	8.0
	4. *Hypertensive diseases*	20	3.7	Kencing manis *Diabetes mellitus*	14	6.2
	5. *Diabetes mellitus*	17	3.2	Penyakit jantung iskemia *Ischaemic heart diseases*	6	2.7
	Keseluruhan sebab *All causes*	**536**		**Keseluruhan sebab** *All causes*	**226**	
Pasir Mas	1. *Ischaemic heart diseases*	158	19.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	488	65.1
	2. *Pneumonia*	147	17.9	Kencing manis *Diabetes mellitus*	28	3.7
	3. *Cerebrovascular diseases*	52	6.3	Penyakit serebrovaskular *Cerebrovascular diseases*	26	3.5
	4. *Chronic lower respiratory diseases*	17	2.1	Darah tinggi *Hypertension*	11	1.5
	5. *Diabetes mellitus*	16	1.9	Lelah *Asthma*	8	1.1
	Keseluruhan sebab *All causes*	**821**		**Keseluruhan sebab** *All causes*	**750**	
Pasir Puteh	1. *Ischaemic heart diseases*	164	17.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	31	32.6
	2. *Pneumonia*	164	17.0	Kencing manis *Diabetes mellitus*	11	11.6
	3. *Cerebrovascular diseases*	43	4.5	Penyakit serebrovaskular *Cerebrovascular diseases*	11	11.6
	4. *Chronic lower respiratory diseases*	24	2.5	Darah tinggi *Hypertension*	6	6.3
	5. *Transport accidents*	18	1.9	Penyakit jantung iskemia *Ischaemic heart diseases*	2	2.1
	Keseluruhan sebab *All causes*	**966**		**Keseluruhan sebab** *All causes*	**95**	

Jadual 1.28: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kelantan, 2023 (samb.)

Table 1.28: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kelantan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Tanah Merah	1. *Ischaemic heart diseases*	111	22.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	211	45.8
	2. *Pneumonia*	75	15.0	Penyakit serebrovaskular *Cerebrovascular diseases*	33	7.2
	3. *Cerebrovascular diseases*	35	7.0	Kencing manis *Diabetes mellitus*	32	6.9
	4. *Transport accidents*	23	4.6	Penyakit jantung iskemia *Ischaemic heart diseases*	19	4.1
	5. *Malignant neoplasm of trachea, bronchus and lung*	8	1.6	Lelah *Asthma*	17	3.7
	Keseluruhan sebab *All causes*	**501**		**Keseluruhan sebab** *All causes*	**461**	
Tumpat	1. *Ischaemic heart diseases*	125	15.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	242	56.5
	2. *Pneumonia*	111	13.7	Darah tinggi *Hypertension*	24	5.6
	3. *Cerebrovascular diseases*	106	13.1	Kencing manis *Diabetes mellitus*	22	5.1
	4. *Diabetes mellitus*	19	2.3	Penyakit serebrovaskular *Cerebrovascular diseases*	14	3.3
	5. *Transport accidents*	17	2.1	Lelah *Asthma*	9	2.1
	Keseluruhan sebab *All causes*	**812**		**Keseluruhan sebab** *All causes*	**428**	
Gua Musang	1. *Pneumonia*	44	17.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	90	36.4
	2. *Ischaemic heart diseases*	35	14.1	Kencing manis *Diabetes mellitus*	24	9.7
	3. *Transport accidents*	18	7.2	Penyakit serebrovaskular *Cerebrovascular diseases*	19	7.7
	4. *Cerebrovascular diseases*	14	5.6	Darah tinggi *Hypertension*	14	5.7
	5. *Viral hepatitis*	4	1.6	Lelah *Asthma*	11	4.5
	Keseluruhan sebab *All causes*	**249**		**Keseluruhan sebab** *All causes*	**247**	

Jadual 1.28: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Kelantan, 2023 (samb.)

Table 1.28: Five principal causes of death (medically certified and non-medically certified) by administrative district, Kelantan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kuala Krai	1. *Ischaemic heart diseases*	64	19.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	146	35.3
	2. *Pneumonia*	63	19.4	Penyakit serebrovaskular *Cerebrovascular diseases*	44	10.6
	3. *Cerebrovascular diseases*	21	6.5	Lelah *Asthma*	18	4.3
	4. *Transport accidents*	17	5.2	Darah tinggi *Hypertension*	18	4.3
	5. *Malignant neoplasm of trachea, bronchus and lung*	6	1.8	Kencing manis *Diabetes mellitus*	17	4.1
	Keseluruhan sebab *All causes*	**325**		**Keseluruhan sebab** *All causes*	**414**	
Jeli	1. *Ischaemic heart diseases*	52	25.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	47	58.0
	2. *Pneumonia*	29	13.9	Darah tinggi *Hypertension*	3	3.7
	3. *Cerebrovascular diseases*	13	6.3	Kencing manis *Diabetes mellitus*	3	3.7
	4. *Transport accidents*	8	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	3	3.7
	5. *Malignant neoplasm of trachea, bronchus and lung*	7	3.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	2	2.5
	Keseluruhan sebab *All causes*	**208**		**Keseluruhan sebab** *All causes*	**81**	
Kecil Lojing	1. *Pneumonia*	5	16.1	Penyakit serebrovaskular *Cerebrovascular diseases*	6	15.4
	2. *Hypertensive diseases*	2	6.5	Lelah *Asthma*	5	12.8
	3. *Ischaemic heart diseases*	2	6.5	Kencing manis *Diabetes mellitus*	5	12.8
	4. *Cerebrovascular diseases*	2	6.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4	10.3
	5. *Transport accidents*	2	6.5	Darah tinggi *Hypertension*	2	5.1
	Keseluruhan sebab *All causes*	**31**		**Keseluruhan sebab** *All causes*	**39**	

Jadual 1.29: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Melaka, 2023

Table 1.29: Five principal causes of death (medically certified and non-medically certified) by administrative district, Melaka, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Melaka	1. *Ischaemic heart diseases*	628	17.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,328	50.3
	2. *Pneumonia*	409	11.5	Kencing manis *Diabetes mellitus*	176	6.7
	3. *Cerebrovascular diseases*	244	6.9	Darah tinggi *Hypertension*	140	5.3
	4. *Transport accidents*	143	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	96	3.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	80	2.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	52	2.0
	Keseluruhan sebab *All causes*	**3,551**		**Keseluruhan sebab** *All causes*	**2,639**	
Alor Gajah	1. *Ischaemic heart diseases*	145	16.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	397	57.0
	2. *Pneumonia*	99	11.3	Kencing manis *Diabetes mellitus*	36	5.2
	3. *Cerebrovascular diseases*	52	5.9	Darah tinggi *Hypertension*	35	5.0
	4. *Transport accidents*	43	4.9	Penyakit serebrovaskular *Cerebrovascular diseases*	18	2.6
	5. *Chronic lower respiratory diseases*	27	3.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	10	1.4
	Keseluruhan sebab *All causes*	**875**		**Keseluruhan sebab** *All causes*	**696**	
Jasin	1. *Ischaemic heart diseases*	111	17.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	313	62.7
	2. *Pneumonia*	72	11.5	Kencing manis *Diabetes mellitus*	19	3.8
	3. *Cerebrovascular diseases*	37	5.9	Darah tinggi *Hypertension*	15	3.0
	4. *Transport accidents*	29	4.6	Penyakit serebrovaskular *Cerebrovascular diseases*	12	2.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	17	2.7	Penyakit jantung iskemia *Ischaemic heart diseases*	7	1.4
	Keseluruhan sebab *All causes*	**628**		**Keseluruhan sebab** *All causes*	**499**	

Jadual 1.29: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Melaka, 2023 (samb.)

Table 1.29: Five principal causes of death (medically certified and non-medically certified) by administrative district, Melaka, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Melaka Tengah	1. *Ischaemic heart diseases*	372	18.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	618	42.8
	2. *Pneumonia*	238	11.6	Kencing manis *Diabetes mellitus*	121	8.4
	3. *Cerebrovascular diseases*	155	7.6	Darah tinggi *Hypertension*	90	6.2
	4. *Transport accidents*	71	3.5	Penyakit serebrovaskular *Cerebrovascular diseases*	66	4.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	43	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	38	2.6
	Keseluruhan sebab *All causes*	**2,048**		**Keseluruhan sebab** *All causes*	**1,444**	

Jadual 1.30: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Negeri Sembilan, 2023

Table 1.30: Five principal causes of death (medically certified and non-medically certified) by administrative district, Negeri Sembilan, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Negeri Sembilan	1. *Ischaemic heart diseases*	765	14.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,657	55.6
	2. *Pneumonia*	655	12.5	Kencing manis *Diabetes mellitus*	135	4.5
	3. *Cerebrovascular diseases*	378	7.2	Darah tinggi *Hypertension*	97	3.3
	4. *Transport accidents*	249	4.7	Penyakit serebrovaskular *Cerebrovascular diseases*	73	2.4
	5. *Chronic lower respiratory diseases*	118	2.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	60	2.0
	Keseluruhan sebab *All causes*	**5,250**		**Keseluruhan sebab** *All causes*	**2,982**	
Jelebu	1. *Ischaemic heart diseases*	58	19.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	36	47.4
	2. *Pneumonia*	55	18.1	Penyakit jantung iskemia *Ischaemic heart diseases*	5	6.6
	3. *Diabetes mellitus*	20	6.6	Darah tinggi *Hypertension*	3	3.9
	4. *Cerebrovascular diseases*	17	5.6	Kencing manis *Diabetes mellitus*	3	3.9
	5. *Transport accidents*	8	2.6	Lelah *Asthma*	2	2.6
	Keseluruhan sebab *All causes*	**304**		**Keseluruhan sebab** *All causes*	**76**	
Kuala Pilah	1. *Pneumonia*	74	16.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	157	58.1
	2. *Ischaemic heart diseases*	50	10.9	Darah tinggi *Hypertension*	18	6.7
	3. *Cerebrovascular diseases*	41	9.0	Kencing manis *Diabetes mellitus*	18	6.7
	4. *Transport accidents*	25	5.5	Penyakit serebrovaskular *Cerebrovascular diseases*	7	2.6
	5. *Chronic lower respiratory diseases*	17	3.7	Lelah *Asthma*	3	1.1
	Keseluruhan sebab *All causes*	**458**		**Keseluruhan sebab** *All causes*	**270**	

Jadual 1.30: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Negeri Sembilan, 2023 (samb.)

Table 1.30: Five principal causes of death (medically certified and non-medically certified) by administrative district, Negeri Sembilan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Port Dickson	1. *Ischaemic heart diseases*	93	16.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	151	46.7
	2. *Pneumonia*	45	7.9	Kencing manis *Diabetes mellitus*	16	5.0
	3. *Transport accidents*	37	6.5	Darah tinggi *Hypertension*	15	4.6
	4. *Cerebrovascular diseases*	33	5.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	11	3.4
	5. *Diabetes mellitus*	16	2.8	Barah hati *Liver cancer*	10	3.1
	Keseluruhan sebab *All causes*	**569**		**Keseluruhan sebab** *All causes*	**323**	
Rembau	1. *Pneumonia*	40	13.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	86	63.7
	2. *Ischaemic heart diseases*	38	12.7	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	6	4.4
	3. *Cerebrovascular diseases*	28	9.3	Kencing manis *Diabetes mellitus*	4	3.0
	4. *Diabetes mellitus*	13	4.3	Penyakit serebrovaskular *Cerebrovascular diseases*	4	3.0
	5. *Transport accidents*	13	4.3	Barah payudara *Breast cancer*	2	1.5
	Keseluruhan sebab *All causes*	**300**		**Keseluruhan sebab** *All causes*	**135**	
Seremban	1. *Ischaemic heart diseases*	358	14.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	834	55.0
	2. *Pneumonia*	274	11.4	Kencing manis *Diabetes mellitus*	67	4.4
	3. *Cerebrovascular diseases*	150	6.3	Darah tinggi *Hypertension*	37	2.4
	4. *Transport accidents*	103	4.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	35	2.3
	5. *Malignant neoplasm of trachea, bronchus and lung*	53	2.2	Penyakit serebrovaskular *Cerebrovascular diseases*	31	2.0
	Keseluruhan sebab *All causes*	**2,397**		**Keseluruhan sebab** *All causes*	**1,516**	

Jadual 1.30: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Negeri Sembilan, 2023 (samb.)

Table 1.30: Five principal causes of death (medically certified and non-medically certified) by administrative district, Negeri Sembilan, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Tampin	1. *Ischaemic heart diseases*	68	13.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	116	48.5
	2. *Pneumonia*	67	12.8	Kencing manis *Diabetes mellitus*	12	5.0
	3. *Cerebrovascular diseases*	64	12.2	Penyakit serebrovaskular *Cerebrovascular diseases*	11	4.6
	4. *Transport accidents*	32	6.1	Darah tinggi *Hypertension*	9	3.8
	5. *Diabetes mellitus*	16	3.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	6	2.5
	Keseluruhan sebab *All causes*	**525**		**Keseluruhan sebab** *All causes*	**239**	
Jempol	1. *Ischaemic heart diseases*	100	14.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	277	65.5
	2. *Pneumonia*	100	14.3	Kencing manis *Diabetes mellitus*	15	3.5
	3. *Cerebrovascular diseases*	45	6.5	Darah tinggi *Hypertension*	13	3.1
	4. *Transport accidents*	31	4.4	Penyakit serebrovaskular *Cerebrovascular diseases*	10	2.4
	5. *Chronic lower respiratory diseases*	20	2.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	8	1.9
	Keseluruhan sebab *All causes*	**697**		**Keseluruhan sebab** *All causes*	**423**	

Jadual 1.31: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Pahang, 2023

Table 1.31: Five principal causes of death (medically certified and non-medically certified) by administrative district, Pahang, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Pahang	1. *Pneumonia*	999	16.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,970	45.0
	2. *Ischaemic heart diseases*	896	14.6	Kencing manis *Diabetes mellitus*	239	5.5
	3. *Cerebrovascular diseases*	444	7.2	Penyakit serebrovaskular *Cerebrovascular diseases*	236	5.4
	4. *Transport accidents*	300	4.9	Darah tinggi *Hypertension*	203	4.6
	5. *Chronic lower respiratory diseases*	114	1.9	Penyakit jantung iskemia *Ischaemic heart diseases*	165	3.8
	Keseluruhan sebab *All causes*	**6,128**		**Keseluruhan sebab** *All causes*	**4,380**	
Bentong	1. *Pneumonia*	73	16.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	205	51.0
	2. *Ischaemic heart diseases*	62	14.3	Penyakit serebrovaskular *Cerebrovascular diseases*	26	6.5
	3. *Cerebrovascular diseases*	23	5.3	Darah tinggi *Hypertension*	18	4.5
	4. *Transport accidents*	16	3.7	Kencing manis *Diabetes mellitus*	15	3.7
	5. *Chronic lower respiratory diseases*	10	2.3	Penyakit jantung iskemia *Ischaemic heart diseases*	10	2.5
	Keseluruhan sebab *All causes*	**433**		**Keseluruhan sebab** *All causes*	**402**	
Cameron Highlands	1. *Ischaemic heart diseases*	14	18.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	52	48.6
	2. *Pneumonia*	11	14.3	Penyakit jantung iskemia *Ischaemic heart diseases*	6	5.6
	3. *Cerebrovascular diseases*	5	6.5	Darah tinggi *Hypertension*	4	3.7
	4. *Malignant neoplasm of colon, rectum and anus*	2	2.6	Penyakit serebrovaskular *Cerebrovascular diseases*	4	3.7
	5. *Malignant neoplasm of trachea, bronchus and lung*	2	2.6	Barah hati *Liver cancer*	3	2.8
	Keseluruhan sebab *All causes*	**77**		**Keseluruhan sebab** *All causes*	**107**	

Jadual 1.31: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Pahang, 2023 (samb.)

Table 1.31: Five principal causes of death (medically certified and non-medically certified) by administrative district, Pahang, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Jerantut	1. *Pneumonia*	91	22.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	200	63.7
	2. *Ischaemic heart diseases*	48	11.7	Penyakit serebrovaskular *Cerebrovascular diseases*	13	4.1
	3. *Cerebrovascular diseases*	23	5.6	Kencing manis *Diabetes mellitus*	11	3.5
	4. *Transport accidents*	21	5.1	Penyakit jantung iskemia *Ischaemic heart diseases*	10	3.2
	5. *Chronic lower respiratory diseases*	8	1.9	Darah tinggi *Hypertension*	8	2.5
	Keseluruhan sebab *All causes*	**412**		**Keseluruhan sebab** *All causes*	**314**	
Kuantan	1. *Pneumonia*	226	15.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	560	44.1
	2. *Ischaemic heart diseases*	175	12.1	Kencing manis *Diabetes mellitus*	78	6.1
	3. *Cerebrovascular diseases*	87	6.0	Penyakit serebrovaskular *Cerebrovascular diseases*	60	4.7
	4. *Transport accidents*	73	5.1	Darah tinggi *Hypertension*	58	4.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	38	2.6	Penyakit jantung iskemia *Ischaemic heart diseases*	37	2.9
	Keseluruhan sebab *All causes*	**1,445**		**Keseluruhan sebab** *All causes*	**1,271**	
Lipis	1. *Ischaemic heart diseases*	45	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	163	49.7
	2. *Pneumonia*	33	11.1	Radang paru-paru *Pneumonia*	15	4.6
	3. *Cerebrovascular diseases*	21	7.1	Penyakit serebrovaskular *Cerebrovascular diseases*	14	4.3
	4. *Transport accidents*	13	4.4	Penyakit jantung iskemia *Ischaemic heart diseases*	13	4.0
	5. *Diseases of the liver*	10	3.4	Kencing manis *Diabetes mellitus*	9	2.7
	Keseluruhan sebab *All causes*	**296**		**Keseluruhan sebab** *All causes*	**328**	

Jadual 1.31: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Pahang, 2023 (samb.)

Table 1.31: Five principal causes of death (medically certified and non-medically certified) by administrative district, Pahang, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Pekan	1. *Pneumonia*	72	17.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	129	27.4
	2. *Ischaemic heart diseases*	47	11.4	Penyakit jantung iskemia *Ischaemic heart diseases*	49	10.4
	3. *Transport accidents*	36	8.8	Penyakit serebrovaskular *Cerebrovascular diseases*	28	5.9
	4. *Cerebrovascular diseases*	23	5.6	Darah tinggi *Hypertension*	19	4.0
	5. *Chronic lower respiratory diseases*	11	2.7	Kencing manis *Diabetes mellitus*	18	3.8
	Keseluruhan sebab *All causes*	**411**		**Keseluruhan sebab** *All causes*	**471**	
Raub	1. *Ischaemic heart diseases*	81	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	175	62.7
	2. *Pneumonia*	68	13.8	Penyakit serebrovaskular *Cerebrovascular diseases*	12	4.3
	3. *Cerebrovascular diseases*	44	8.9	Darah tinggi *Hypertension*	7	2.5
	4. *Transport accidents*	18	3.6	Kencing manis *Diabetes mellitus*	7	2.5
	5. *Chronic lower respiratory diseases*	14	2.8	Barah payudara *Breast cancer*	5	1.8
	Keseluruhan sebab *All causes*	**494**		**Keseluruhan sebab** *All causes*	**279**	
Temerloh	1. *Ischaemic heart diseases*	171	17.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	178	56.2
	2. *Pneumonia*	148	15.5	Darah tinggi *Hypertension*	13	4.1
	3. *Cerebrovascular diseases*	92	9.6	Kencing manis *Diabetes mellitus*	11	3.5
	4. *Diabetes mellitus*	42	4.4	Penyakit jantung iskemia *Ischaemic heart diseases*	9	2.8
	5. *Transport accidents*	36	3.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	8	2.5
	Keseluruhan sebab *All causes*	**954**		**Keseluruhan sebab** *All causes*	**317**	

Jadual 1.31: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Pahang, 2023 (samb.)

Table 1.31: Five principal causes of death (medically certified and non-medically certified) by administrative district, Pahang, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Rompin	1. *Pneumonia*	73	15.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	130	38.8
	2. *Ischaemic heart diseases*	62	13.3	Penyakit jantung iskemia *Ischaemic heart diseases*	21	6.3
	3. *Transport accidents*	39	8.4	Penyakit serebrovaskular *Cerebrovascular diseases*	16	4.8
	4. *Cerebrovascular diseases*	27	5.8	Kencing manis *Diabetes mellitus*	15	4.5
	5. *Chronic lower respiratory diseases*	9	1.9	Lelah *Asthma*	11	3.3
	Keseluruhan sebab *All causes*	**467**		**Keseluruhan sebab** *All causes*	**335**	
Maran	1. *Ischaemic heart diseases*	109	16.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	101	34.1
	2. *Pneumonia*	108	16.5	Kencing manis *Diabetes mellitus*	41	13.9
	3. *Cerebrovascular diseases*	63	9.6	Penyakit serebrovaskular *Cerebrovascular diseases*	33	11.1
	4. *Transport accidents*	28	4.3	Darah tinggi *Hypertension*	25	8.4
	5. *Chronic lower respiratory diseases*	16	2.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	7	2.4
	Keseluruhan sebab *All causes*	**654**		**Keseluruhan sebab** *All causes*	**296**	
Bera	1. *Pneumonia*	96	19.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	77	29.6
	2. *Ischaemic heart diseases*	82	16.9	Darah tinggi *Hypertension*	38	14.6
	3. *Cerebrovascular diseases*	36	7.4	Kencing manis *Diabetes mellitus*	31	11.9
	4. *Diabetes mellitus*	22	4.5	Penyakit serebrovaskular *Cerebrovascular diseases*	22	8.5
	5. *Transport accidents*	18	3.7	Penyakit jantung iskemia *Ischaemic heart diseases*	10	3.8
	Keseluruhan sebab *All causes*	**485**		**Keseluruhan sebab** *All causes*	**260**	

Jadual 1.32: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Perak, 2023

Table 1.32: Five principal causes of death (medically certified and non-medically certified) by administrative district, Perak, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Perak	1. *Ischaemic heart diseases*	2,002	15.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4,970	61.8
	2. *Pneumonia*	1,999	15.6	Kencing manis *Diabetes mellitus*	312	3.9
	3. *Cerebrovascular diseases*	984	7.7	Darah tinggi *Hypertension*	302	3.8
	4. *Transport accidents*	429	3.4	Penyakit serebrovaskular *Cerebrovascular diseases*	245	3.0
	5. *Malignant neoplasm of trachea, bronchus and lung*	226	1.8	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	111	1.4
	Keseluruhan sebab *All causes*	**12,791**		**Keseluruhan sebab** *All causes*	**8,048**	
Batang Padang	1. *Pneumonia*	105	16.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	296	61.8
	2. *Ischaemic heart diseases*	92	14.3	Penyakit serebrovaskular *Cerebrovascular diseases*	12	2.5
	3. *Cerebrovascular diseases*	44	6.8	Kencing manis *Diabetes mellitus*	11	2.3
	4. *Transport accidents*	33	5.1	Darah tinggi *Hypertension*	9	1.9
	5. *Diseases of the liver*	16	2.5	Penyakit jantung iskemia *Ischaemic heart diseases*	7	1.5
	Keseluruhan sebab *All causes*	**644**		**Keseluruhan sebab** *All causes*	**479**	
Manjung	1. *Ischaemic heart diseases*	196	16.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	391	68.4
	2. *Pneumonia*	148	12.4	Kencing manis *Diabetes mellitus*	17	3.0
	3. *Cerebrovascular diseases*	71	6.0	Penyakit serebrovaskular *Cerebrovascular diseases*	12	2.1
	4. *Transport accidents*	44	3.7	Darah tinggi *Hypertension*	11	1.9
	5. *Malignant neoplasm of colon, rectum and anus*	25	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	10	1.7
	Keseluruhan sebab *All causes*	**1,191**		**Keseluruhan sebab** *All causes*	**572**	

Jadual 1.32: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Perak, 2023 (samb.)

Table 1.32: Five principal causes of death (medically certified and non-medically certified) by administrative district, Perak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kinta	1. *Pneumonia*	542	14.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,823	62.8
	2. *Ischaemic heart diseases*	516	13.9	Darah tinggi *Hypertension*	122	4.2
	3. *Cerebrovascular diseases*	297	8.0	Kencing manis *Diabetes mellitus*	83	2.9
	4. *Transport accidents*	112	3.0	Penyakit serebrovaskular *Cerebrovascular diseases*	75	2.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	100	2.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	60	2.1
	Keseluruhan sebab *All causes*	**3,713**		**Keseluruhan sebab** *All causes*	**2,901**	
Kerian	1. *Pneumonia*	157	18.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	487	62.0
	2. *Ischaemic heart diseases*	105	12.6	Kencing manis *Diabetes mellitus*	51	6.5
	3. *Cerebrovascular diseases*	62	7.4	Darah tinggi *Hypertension*	44	5.6
	4. *Transport accidents*	33	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	19	2.4
	5. *Diabetes mellitus*	12	1.4	Lelah *Asthma*	11	1.4
	Keseluruhan sebab *All causes*	**833**		**Keseluruhan sebab** *All causes*	**786**	
Kuala kangsar	1. *Pneumonia*	192	20.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	481	65.5
	2. *Ischaemic heart diseases*	118	12.8	Penyakit serebrovaskular *Cerebrovascular diseases*	21	2.9
	3. *Cerebrovascular diseases*	58	6.3	Kencing manis *Diabetes mellitus*	20	2.7
	4. *Transport accidents*	30	3.3	Darah tinggi *Hypertension*	14	1.9
	5. *Diseases of the liver*	17	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	9	1.2
	Keseluruhan sebab *All causes*	**922**		**Keseluruhan sebab** *All causes*	**734**	

Jadual 1.32: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Perak, 2023 (samb.)

Table 1.32: Five principal causes of death (medically certified and non-medically certified) by administrative district, Perak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Larut & Matang	1. *Ischaemic heart diseases*	333	16.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	421	55.4
	2. *Pneumonia*	315	15.9	Kencing manis *Diabetes mellitus*	42	5.5
	3. *Cerebrovascular diseases*	164	8.3	Darah tinggi *Hypertension*	36	4.7
	4. *Diabetes mellitus*	53	2.7	Penyakit serebrovaskular *Cerebrovascular diseases*	34	4.5
	5. *Transport accidents*	52	2.6	Barah payudara *Breast cancer*	11	1.4
	Keseluruhan sebab *All causes*	**1,987**		**Keseluruhan sebab** *All causes*	**760**	
Hilir Perak	1. *Ischaemic heart diseases*	167	17.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	181	42.8
	2. *Pneumonia*	156	16.1	Kencing manis *Diabetes mellitus*	36	8.5
	3. *Cerebrovascular diseases*	75	7.8	Penyakit serebrovaskular *Cerebrovascular diseases*	27	6.4
	4. *Diabetes mellitus*	30	3.1	Darah tinggi *Hypertension*	26	6.1
	5. *Transport accidents*	29	3.0	Penyakit jantung iskemia *Ischaemic heart diseases*	12	2.8
	Keseluruhan sebab *All causes*	**966**		**Keseluruhan sebab** *All causes*	**423**	
Hulu Perak	1. *Ischaemic heart diseases*	121	19.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	118	64.5
	2. *Pneumonia*	80	12.7	Darah tinggi *Hypertension*	9	4.9
	3. *Cerebrovascular diseases*	55	8.7	Kencing manis *Diabetes mellitus*	9	4.9
	4. *Transport accidents*	26	4.1	Penyakit serebrovaskular *Cerebrovascular diseases*	6	3.3
	5. *Chronic lower respiratory diseases*	16	2.5	Lelah *Asthma*	2	1.1
	Keseluruhan sebab *All causes*	**629**		**Keseluruhan sebab** *All causes*	**183**	

Jadual 1.32: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Perak, 2023 (samb.)

Table 1.32: Five principal causes of death (medically certified and non-medically certified) by administrative district, Perak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Perak Tengah	1. *Ischaemic heart diseases*	96	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	187	65.8
	2. *Pneumonia*	85	14.5	Penyakit serebrovaskular *Cerebrovascular diseases*	14	4.9
	3. *Cerebrovascular diseases*	34	5.8	Darah tinggi *Hypertension*	7	2.5
	4. *Transport accidents*	24	4.1	Kencing manis *Diabetes mellitus*	6	2.1
	5. *Chronic lower respiratory diseases*	17	2.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	4	1.4
	Keseluruhan sebab *All causes*	**585**		**Keseluruhan sebab** *All causes*	**284**	
Kampar	1. *Pneumonia*	96	20.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	281	72.6
	2. *Ischaemic heart diseases*	77	16.7	Kencing manis *Diabetes mellitus*	10	2.6
	3. *Cerebrovascular diseases*	29	6.3	Penyakit serebrovaskular *Cerebrovascular diseases*	9	2.3
	4. *Malignant neoplasm of liver and intrahepatic bile ducts*	11	2.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	8	2.1
	5. *Transport accidents*	10	2.2	Barah hati *Liver cancer*	3	0.8
	Keseluruhan sebab *All causes*	**462**		**Keseluruhan sebab** *All causes*	**387**	
Muallim	1. *Ischaemic heart diseases*	60	27.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	104	55.9
	2. *Pneumonia*	24	10.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	6	3.2
	3. *Cerebrovascular diseases*	18	8.1	Darah tinggi *Hypertension*	6	3.2
	4. *Transport accidents*	15	6.8	Kencing manis *Diabetes mellitus*	6	3.2
	5. *Chronic lower respiratory diseases*	7	3.2	Penyakit jantung iskemia *Ischaemic heart diseases*	5	2.7
	Keseluruhan sebab *All causes*	**221**		**Keseluruhan sebab** *All causes*	**186**	

Jadual 1.32: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Perak, 2023 (samb.)

Table 1.32: Five principal causes of death (medically certified and non-medically certified) by administrative district, Perak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Bagan Datuk	1. *Ischaemic heart diseases*	65	19.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	129	52.4
	2. *Pneumonia*	51	15.2	Kencing manis *Diabetes mellitus*	17	6.9
	3. *Cerebrovascular diseases*	30	8.9	Darah tinggi *Hypertension*	12	4.9
	4. *Transport accidents*	13	3.9	Penyakit serebrovaskular *Cerebrovascular diseases*	11	4.5
	5. *Diabetes mellitus*	7	2.1	Penyakit jantung iskemia *Ischaemic heart diseases*	5	2.0
	Keseluruhan sebab *All causes*	**336**		**Keseluruhan sebab** *All causes*	**246**	
Selama	1. *Ischaemic heart diseases*	56	18.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	71	66.4
	2. *Pneumonia*	48	15.9	Darah tinggi *Hypertension*	4	3.7
	3. *Cerebrovascular diseases*	47	15.6	Kencing manis *Diabetes mellitus*	4	3.7
	4. *Diabetes mellitus*	14	4.6	Penyakit jantung iskemia *Ischaemic heart diseases*	3	2.8
	5. *Hypertensive diseases*	8	2.6	Penyakit serebrovaskular *Cerebrovascular diseases*	3	2.8
	Keseluruhan sebab *All causes*	**302**		**Keseluruhan sebab** *All causes*	**107**	

Jadual 1.33: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Perlis, 2023

Table 1.33: Five principal causes of death (medically certified and non-medically certified) by administrative district, Perlis, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Perlis	1. *Pneumonia*	248	18.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	365	43.6
	2. *Ischaemic heart diseases*	202	15.1	Penyakit jantung iskemia *Ischaemic heart diseases*	80	9.6
	3. *Cerebrovascular diseases*	111	8.3	Kencing manis *Diabetes mellitus*	63	7.5
	4. *Transport accidents*	44	3.3	Darah tinggi *Hypertension*	59	7.0
	5. *Malignant neoplasm of trachea, bronchus and lung*	26	1.9	Penyakit serebrovaskular *Cerebrovascular diseases*	35	4.2
	Keseluruhan sebab *All causes*	**1,334**		**Keseluruhan sebab** *All causes*	**837**	

Jadual 1.34: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Pulau Pinang, 2023

Table 1.34: Five principal causes of death (medically certified and non-medically certified) by administrative district, Pulau Pinang, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Pulau Pinang	1. *Pneumonia*	1,394	17.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,563	57.4
	2. *Ischaemic heart diseases*	1,209	15.4	Darah tinggi *Hypertension*	283	6.3
	3. *Cerebrovascular diseases*	415	5.3	Kencing manis *Diabetes mellitus*	203	4.5
	4. *Transport accidents*	311	4.0	Penyakit serebrovaskular *Cerebrovascular diseases*	152	3.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	174	2.2	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	71	1.6
	Keseluruhan sebab *All causes*	**7,839**		**Keseluruhan sebab** *All causes*	**4,465**	
Seberang Perai Tengah	1. *Pneumonia*	263	15.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	731	67.6
	2. *Ischaemic heart diseases*	255	15.4	Kencing manis *Diabetes mellitus*	31	2.9
	3. *Cerebrovascular diseases*	92	5.5	Penyakit serebrovaskular *Cerebrovascular diseases*	25	2.3
	4. *Transport accidents*	82	4.9	Darah tinggi *Hypertension*	24	2.2
	5. *Malignant neoplasm of trachea, bronchus and lung*	31	1.9	Barah payudara *Breast cancer*	15	1.4
	Keseluruhan sebab *All causes*	**1,658**		**Keseluruhan sebab** *All causes*	**1,082**	
Seberang Perai Utara	1. *Ischaemic heart diseases*	278	16.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	522	66.2
	2. *Pneumonia*	263	15.9	Darah tinggi *Hypertension*	50	6.3
	3. *Cerebrovascular diseases*	109	6.6	Kencing manis *Diabetes mellitus*	35	4.4
	4. *Transport accidents*	76	4.6	Penyakit serebrovaskular *Cerebrovascular diseases*	20	2.5
	5. *Diabetes mellitus*	45	2.7	Barah payudara *Breast cancer*	8	1.0
	Keseluruhan sebab *All causes*	**1,653**		**Keseluruhan sebab** *All causes*	**789**	

Jadual 1.34: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Pulau Pinang, 2023 (samb.)

Table 1.34: Five principal causes of death (medically certified and non-medically certified) by administrative district, Pulau Pinang, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Seberang Perai Selatan	1. *Pneumonia*	151	16.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	296	64.2
	2. *Ischaemic heart diseases*	118	13.1	Kencing manis *Diabetes mellitus*	23	5.0
	3. *Transport accidents*	54	6.0	Darah tinggi *Hypertension*	16	3.5
	4. *Cerebrovascular diseases*	50	5.5	Penyakit serebrovaskular *Cerebrovascular diseases*	13	2.8
	5. *Diabetes mellitus*	28	3.1	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	9	2.0
	Keseluruhan sebab *All causes*	**901**		**Keseluruhan sebab** *All causes*	**461**	
Timur Laut	1. *Pneumonia*	527	20.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	881	51.9
	2. *Ischaemic heart diseases*	410	15.8	Darah tinggi *Hypertension*	123	7.3
	3. *Cerebrovascular diseases*	106	4.1	Penyakit serebrovaskular *Cerebrovascular diseases*	75	4.4
	4. *Malignant neoplasm of colon, rectum and anus*	71	2.7	Kencing manis *Diabetes mellitus*	70	4.1
	5. *Malignant neoplasm of trachea, bronchus and lung*	71	2.7	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	38	2.2
	Keseluruhan sebab *All causes*	**2,597**		**Keseluruhan sebab** *All causes*	**1,696**	
Barat Daya	1. *Pneumonia*	190	18.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	133	30.4
	2. *Ischaemic heart diseases*	148	14.4	Darah tinggi *Hypertension*	70	16.0
	3. *Cerebrovascular diseases*	58	5.6	Kencing manis *Diabetes mellitus*	44	10.1
	4. *Transport accidents*	39	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	19	4.3
	5. *Diabetes mellitus*	26	2.5	Barah payudara *Breast cancer*	10	2.3
	Keseluruhan sebab *All causes*	**1,030**		**Keseluruhan sebab** *All causes*	**437**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Sabah	1. *Pneumonia*	1,134	14.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,212	25.7
	2. *Ischaemic heart diseases*	635	7.9	Darah tinggi *Hypertension*	133	1.5
	3. *Cerebrovascular diseases*	530	6.6	Penyakit serebrovaskular *Cerebrovascular diseases*	128	1.5
	4. *Hypertensive diseases*	200	2.5	Kencing manis *Diabetes mellitus*	83	1.0
	5. *Chronic lower respiratory diseases*	188	2.3	Penyakit jantung iskemia *Ischaemic heart diseases*	44	0.5
	Keseluruhan sebab *All causes*	**8,009**		**Keseluruhan sebab** *All causes*	**8,601**	
Tawau	1. *Pneumonia*	70	13.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	377	39.2
	2. *Ischaemic heart diseases*	54	10.2	Penyakit serebrovaskular *Cerebrovascular diseases*	7	0.7
	3. *Cerebrovascular diseases*	43	8.1	Radang paru-paru *Pneumonia*	3	0.3
	4. *Malignant neoplasm of trachea, bronchus and lung*	12	2.3	Lelah *Asthma*	2	0.2
	5. *Chronic lower respiratory diseases*	12	2.3	Darah tinggi *Hypertension*	2	0.2
	Keseluruhan sebab *All causes*	**532**		**Keseluruhan sebab** *All causes*	**962**	
Lahad datu	1. *Pneumonia*	42	13.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	97	21.5
	2. *Ischaemic heart diseases*	35	11.0	Penyakit serebrovaskular *Cerebrovascular diseases*	12	2.7
	3. *Cerebrovascular diseases*	14	4.4	Darah tinggi *Hypertension*	9	2.0
	4. *Transport accidents*	12	3.8	Kencing manis *Diabetes mellitus*	7	1.5
	5. *Malignant neoplasm of colon, rectum and anus*	11	3.5	Barah payudara *Breast cancer*	5	1.1
	Keseluruhan sebab *All causes*	**318**		**Keseluruhan sebab** *All causes*	**452**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Semporna	1. *Pneumonia*	37	13.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	172	34.0
	2. *Cerebrovascular diseases*	21	7.4	Penyakit serebrovaskular *Cerebrovascular diseases*	12	2.4
	3. *Ischaemic heart diseases*	20	7.0	Kencing manis *Diabetes mellitus*	8	1.6
	4. *Transport accidents*	14	4.9	Darah tinggi *Hypertension*	7	1.4
	5. *Malignant neoplasm of breast*	10	3.5	Barah hati *Liver cancer*	4	0.8
	Keseluruhan sebab *All causes*	**285**		**Keseluruhan sebab** *All causes*	**506**	
Sandakan	1. *Ischaemic heart diseases*	158	17.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	173	21.2
	2. *Pneumonia*	132	14.7	Penyakit serebrovaskular *Cerebrovascular diseases*	12	1.5
	3. *Cerebrovascular diseases*	77	8.6	Darah tinggi *Hypertension*	10	1.2
	4. *Malignant neoplasm of colon, rectum and anus*	24	2.7	Barah hati *Liver cancer*	4	0.5
	5. *Chronic lower respiratory diseases*	23	2.6	Kencing manis *Diabetes mellitus*	4	0.5
	Keseluruhan sebab *All causes*	**899**		**Keseluruhan sebab** *All causes*	**815**	
Kinabatangan	1. *Pneumonia*	19	18.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	30	21.3
	2. *Ischaemic heart diseases*	8	7.8	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	3	2.1
	3. *Malignant neoplasm of colon, rectum and anus*	3	2.9	Kencing manis *Diabetes mellitus*	3	2.1
	4. *Malignant neoplasm of trachea, bronchus and lung*	3	2.9	Lelah *Asthma*	1	0.7
	5. *Hypertensive diseases*	3	2.9	Barah hati *Liver cancer*	1	0.7
	Keseluruhan sebab *All causes*	**103**		**Keseluruhan sebab** *All causes*	**141**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Beluran	1. *Pneumonia*	27	20.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	53	24.3
	2. *Ischaemic heart diseases*	17	12.9	Demam *Fever*	2	0.9
	3. *Cerebrovascular diseases*	7	5.3	Penyakit jantung iskemia *Ischaemic heart diseases*	2	0.9
	4. *Respiratory tuberculosis*	3	2.3	Barah bibir,dalam mulut dan tekak *Lip, oral cavity and pharynx cancer*	1	0.5
	5. *Malignant neoplasm of lip, oral cavity and pharynx*	3	2.3	Barah pundi kencing *Urinary bladder cancer*	1	0.5
	Keseluruhan sebab *All causes*	**132**		**Keseluruhan sebab** *All causes*	**218**	
Kota Kinabalu	1. *Pneumonia*	155	15.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	175	21.5
	2. *Ischaemic heart diseases*	70	6.9	Darah tinggi *Hypertension*	17	2.1
	3. *Cerebrovascular diseases*	53	5.2	Penyakit serebrovaskular *Cerebrovascular diseases*	13	1.6
	4. *Malignant neoplasm of colon, rectum and anus*	32	3.1	Kencing manis *Diabetes mellitus*	9	1.1
	5. *Malignant neoplasm of breast*	24	2.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	7	0.9
	Keseluruhan sebab *All causes*	**1,016**		**Keseluruhan sebab** *All causes*	**815**	
Ranau	1. *Pneumonia*	49	15.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	82	35.5
	2. *Cerebrovascular diseases*	20	6.3	Darah tinggi *Hypertension*	3	1.3
	3. *Ischaemic heart diseases*	16	5.0	Penyakit serebrovaskular *Cerebrovascular diseases*	2	0.9
	4. *Malignant neoplasm of trachea, bronchus and lung*	9	2.8	Anemia *Anaemias*	1	0.4
	5. *Hypertensive diseases*	9	2.8	Mati Lemas *Drowning*	1	0.4
	Keseluruhan sebab *All causes*	**319**		**Keseluruhan sebab** *All causes*	**231**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Kota Belud	1. *Pneumonia*	51	13.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	85	22.5
	2. *Cerebrovascular diseases*	23	5.9	Penyakit serebrovaskular *Cerebrovascular diseases*	9	2.4
	3. *Ischaemic heart diseases*	15	3.8	Darah tinggi *Hypertension*	4	1.1
	4. *Malignant neoplasm of trachea, bronchus and lung*	12	3.1	Kencing manis *Diabetes mellitus*	3	0.8
	5. *Transport accidents*	12	3.1	Lelah *Asthma*	1	0.3
	Keseluruhan sebab *All causes*	**390**		**Keseluruhan sebab** *All causes*	**378**	
Tuaran	1. *Pneumonia*	78	14.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	127	27.2
	2. *Cerebrovascular diseases*	36	6.8	Penyakit serebrovaskular *Cerebrovascular diseases*	7	1.5
	3. *Ischaemic heart diseases*	35	6.6	Darah tinggi *Hypertension*	6	1.3
	4. *Hypertensive diseases*	18	3.4	Kencing manis *Diabetes mellitus*	4	0.9
	5. *Malignant neoplasm of colon, rectum and anus*	15	2.8	Penyakit jantung iskemia *Ischaemic heart diseases*	4	0.9
	Keseluruhan sebab *All causes*	**532**		**Keseluruhan sebab** *All causes*	**467**	
Penampang	1. *Pneumonia*	62	15.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	48	14.5
	2. *Cerebrovascular diseases*	32	8.0	Darah tinggi *Hypertension*	13	3.9
	3. *Ischaemic heart diseases*	29	7.3	Kencing manis *Diabetes mellitus*	7	2.1
	4. *Malignant neoplasm of colon, rectum and anus*	14	3.5	Penyakit serebrovaskular *Cerebrovascular diseases*	7	2.1
	5. *Hypertensive diseases*	11	2.8	Barah pankreas *Pancreas cancer*	3	0.9
	Keseluruhan sebab *All causes*	**400**		**Keseluruhan sebab** *All causes*	**331**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Papar	1. *Pneumonia*	63	12.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	137	24.6
	2. *Cerebrovascular diseases*	33	6.7	Kencing manis *Diabetes mellitus*	9	1.6
	3. *Ischaemic heart diseases*	32	6.5	Darah tinggi *Hypertension*	7	1.3
	4. *Malignant neoplasm of colon, rectum and anus*	14	2.8	Penyakit serebrovaskular *Cerebrovascular diseases*	7	1.3
	5. *Transport accidents*	11	2.2	Penyakit jantung iskemia *Ischaemic heart diseases*	4	0.7
	Keseluruhan sebab *All causes*	**495**		**Keseluruhan sebab** *All causes*	**556**	
Kudat	1. *Pneumonia*	41	15.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	113	36.2
	2. *Ischaemic heart diseases*	17	6.3	Darah tinggi *Hypertension*	4	1.3
	3. *Cerebrovascular diseases*	16	5.9	Kencing manis *Diabetes mellitus*	2	0.6
	4. *Malignant neoplasm of colon, rectum and anus*	7	2.6	Penyakit serebrovaskular *Cerebrovascular diseases*	2	0.6
	5. *Transport accidents*	7	2.6	Radang paru-paru *Pneumonia*	2	0.6
	Keseluruhan sebab *All causes*	**271**		**Keseluruhan sebab** *All causes*	**312**	
Kota Marudu	1. *Pneumonia*	29	11.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	55	20.2
	2. *Cerebrovascular diseases*	27	10.7	Darah tinggi *Hypertension*	16	5.9
	3. *Ischaemic heart diseases*	15	5.9	Penyakit serebrovaskular *Cerebrovascular diseases*	5	1.8
	4. *Chronic lower respiratory diseases*	12	4.7	Lelah *Asthma*	3	1.1
	5. *Transport accidents*	8	3.2	Kencing manis *Diabetes mellitus*	3	1.1
	Keseluruhan sebab *All causes*	**253**		**Keseluruhan sebab** *All causes*	**272**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Pitas	1. *Pneumonia*	33	17.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	66	31.1
	2. *Cerebrovascular diseases*	11	5.9	Penyakit serebrovaskular *Cerebrovascular diseases*	4	1.9
	3. *Ischaemic heart diseases*	9	4.8	Lelah *Asthma*	2	0.9
	4. *Transport accidents*	7	3.8	Darah tinggi *Hypertension*	2	0.9
	5. *Malignant neoplasm of stomach*	5	2.7	Kencing manis *Diabetes mellitus*	2	0.9
	Keseluruhan sebab *All causes*	**186**		**Keseluruhan sebab** *All causes*	**212**	
Beaufort	1. *Pneumonia*	43	12.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	86	26.4
	2. *Ischaemic heart diseases*	21	6.3	Darah tinggi *Hypertension*	4	1.2
	3. *Cerebrovascular diseases*	20	6.0	Penyakit serebrovaskular *Cerebrovascular diseases*	3	0.9
	4. *Hypertensive diseases*	16	4.8	Kencing manis *Diabetes mellitus*	2	0.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	7	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.3
	Keseluruhan sebab *All causes*	**335**		**Keseluruhan sebab** *All causes*	**326**	
Kuala Penyu	1. *Pneumonia*	31	20.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	34	22.1
	2. *Chronic lower respiratory diseases*	9	6.1	Lelah *Asthma*	3	1.9
	3. *Ischaemic heart diseases*	6	4.1	Kencing manis *Diabetes mellitus*	2	1.3
	4. *Malignant neoplasm of trachea, bronchus and lung*	4	2.7	Penyakit jantung iskemia *Ischaemic heart diseases*	2	1.3
	5. *Malignant neoplasm of breast*	4	2.7	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.6
	Keseluruhan sebab *All causes*	**148**		**Keseluruhan sebab** *All causes*	**154**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Sipitang	1. *Pneumonia*	14	10.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	24	20.5
	2. *Ischaemic heart diseases*	11	8.3	Penyakit serebrovaskular *Cerebrovascular diseases*	3	2.6
	3. *Malignant neoplasm of trachea, bronchus and lung*	6	4.5	Darah tinggi *Hypertension*	1	0.9
	4. *Cerebrovascular diseases*	5	3.8	Penyakit hati *Liver disease*	1	0.9
	5. *Respiratory tuberculosis*	3	2.3	Radang paru-paru *Pneumonia*	1	0.9
	Keseluruhan sebab *All causes*	**133**		**Keseluruhan sebab** *All causes*	**117**	
Tenom	1. *Pneumonia*	24	12.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	63	31.2
	2. *Ischaemic heart diseases*	10	5.3	Kencing manis *Diabetes mellitus*	3	1.5
	3. *Chronic lower respiratory diseases*	10	5.3	Penyakit serebrovaskular *Cerebrovascular diseases*	3	1.5
	4. *Malignant neoplasm of colon, rectum and anus*	8	4.2	Lelah *Asthma*	2	1.0
	5. *Cerebrovascular diseases*	8	4.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	2	1.0
	Keseluruhan sebab *All causes*	**189**		**Keseluruhan sebab** *All causes*	**202**	
Nabawan	1. *Pneumonia*	11	13.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	22	31.4
	2. *Ischaemic heart diseases*	7	8.8	Darah tinggi *Hypertension*	2	2.9
	3. *Chronic lower respiratory diseases*	5	6.3	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	2	2.9
	4. *Malignant neoplasm of trachea, bronchus and lung*	4	5.0	*AIDS/HIV*	1	1.4
	5. *Hypertensive diseases*	3	3.8	Lelah *Asthma*	1	1.4
	Keseluruhan sebab *All causes*	**80**		**Keseluruhan sebab** *All causes*	**70**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Keningau	1. *Pneumonia*	51	12.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	82	20.5
	2. *Cerebrovascular diseases*	38	9.1	Darah tinggi *Hypertension*	14	3.5
	3. *Hypertensive diseases*	22	5.3	Penyakit serebrovaskular *Cerebrovascular diseases*	13	3.3
	4. *Ischaemic heart diseases*	13	3.1	Kencing manis *Diabetes mellitus*	5	1.3
	5. *Malignant neoplasm of trachea, bronchus and lung*	11	2.6	Penyakit jantung iskemia *Ischaemic heart diseases*	5	1.3
	Keseluruhan sebab *All causes*	**417**		**Keseluruhan sebab** *All causes*	**400**	
Tambunan	1. *Pneumonia*	22	15.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	19	15.3
	2. *Cerebrovascular diseases*	9	6.1	Penyakit serebrovaskular *Cerebrovascular diseases*	3	2.4
	3. *Hypertensive diseases*	7	4.8	Barah hati *Liver cancer*	2	1.6
	4. *Malignant neoplasm of breast*	6	4.1	Darah tinggi *Hypertension*	2	1.6
	5. *Diseases of the liver*	6	4.1	Penyakit jantung iskemia *Ischaemic heart diseases*	2	1.6
	Keseluruhan sebab *All causes*	**147**		**Keseluruhan sebab** *All causes*	**124**	
Kunak	1. *Pneumonia*	12	10.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	32	23.2
	2. *Cerebrovascular diseases*	10	8.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	2	1.4
	3. *Ischaemic heart diseases*	8	7.1	Kencing manis *Diabetes mellitus*	2	1.4
	4. *Diabetes mellitus*	6	5.4	Penyakit jantung iskemia *Ischaemic heart diseases*	2	1.4
	5. *Chronic lower respiratory diseases*	6	5.4	Lelah *Asthma*	1	0.7
	Keseluruhan sebab *All causes*	**112**		**Keseluruhan sebab** *All causes*	**138**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Tongod	1. *Cerebrovascular diseases*	7	10.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	13	17.1
	2. *Pneumonia*	7	10.0	Radang paru-paru *Pneumonia*	2	2.6
	3. *Ischaemic heart diseases*	6	8.6	Darah tinggi *Hypertension*	1	1.3
	4. *Transport accidents*	3	4.3	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	1.3
	5. *Malignant neoplasm of lip, oral cavity and pharynx*	2	2.9	Kencing manis *Diabetes mellitus*	1	1.3
	Keseluruhan sebab *All causes*	**70**		**Keseluruhan sebab** *All causes*	**76**	
Putatan	1. *Pneumonia*	22	12.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16	9.4
	2. *Ischaemic heart diseases*	13	7.4	Kencing manis *Diabetes mellitus*	6	3.5
	3. *Cerebrovascular diseases*	8	4.5	Darah tinggi *Hypertension*	3	1.8
	4. *Malignant neoplasm of colon, rectum and anus*	4	2.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	4	2.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	1	0.6
	Keseluruhan sebab *All causes*	**176**		**Keseluruhan sebab** *All causes*	**170**	
Telupid	1. *Pneumonia*	7	20.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	13	20.3
	2. *Ischaemic heart diseases*	5	14.7	Darah tinggi *Hypertension*	2	3.1
	3. *Cerebrovascular diseases*	2	5.9	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	2	3.1
	4. *Malignant neoplasm of larynx*	1	2.9	Penyakit jantung iskemia *Ischaemic heart diseases*	2	3.1
	5. *Non-Hodgkins lymphoma*	1	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	2	3.1
	Keseluruhan sebab *All causes*	**34**		**Keseluruhan sebab** *All causes*	**64**	

Jadual 1.35: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sabah, 2023 (samb.)

Table 1.35: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sabah, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kalabakan	1. *Malignant neoplasm of breast*	3	8.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18	19.6
	2. *Chronic lower respiratory diseases*	3	8.1	Darah tinggi *Hypertension*	1	1.1
	3. *Cerebrovascular diseases*	2	5.4	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	1.1
	4. *Pneumonia*	2	5.4	Kencing manis *Diabetes mellitus*	1	1.1
	5. *Respiratory tuberculosis*	1	2.7	Penyakit serebrovaskular *Cerebrovascular diseases*	1	1.1
	Keseluruhan sebab *All causes*	**37**		**Keseluruhan sebab** *All causes*	**92**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Sarawak	1. *Pneumonia*	773	9.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	88	1.1
	2. *Ischaemic heart diseases*	640	8.2	Darah tinggi *Hypertension*	8	0.1
	3. *Cerebrovascular diseases*	552	7.1	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	5	0.1
	4. *Malignant neoplasm of trachea, bronchus and lung*	272	3.5	Kencing manis *Diabetes mellitus*	4	0.0
	5. *Chronic lower respiratory diseases*	249	3.2	Penyakit serebrovaskular *Cerebrovascular diseases*	4	0.0
	Keseluruhan sebab *All causes*	**7,786**		**Keseluruhan sebab** *All causes*	**8,372**	
Kuching	1. *Ischaemic heart diseases*	159	9.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	9	0.5
	2. *Pneumonia*	119	7.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	2	0.1
	3. *Cerebrovascular diseases*	112	7.0	Barah pankreas *Pancreas cancer*	1	0.1
	4. *Malignant neoplasm of trachea, bronchus and lung*	68	4.2	Barah sel darah putih *Leukaemia*	1	0.1
	5. *Malignant neoplasm of colon, rectum and anus*	41	2.5	Kencing manis *Diabetes mellitus*	1	0.1
	Keseluruhan sebab *All causes*	**1,608**		**Keseluruhan sebab** *All causes*	**1,820**	
Bau	1. *Pneumonia*	19	10.1	-		
	2. *Cerebrovascular diseases*	16	8.5	-		
	3. *Hypertensive diseases*	8	4.2	-		
	4. *Ischaemic heart diseases*	8	4.2	-		
	5. *Chronic lower respiratory diseases*	7	3.7	-		
	Keseluruhan sebab *All causes*	**189**		**Keseluruhan sebab** *All causes*	**226**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Lundu	1. *Pneumonia*	10	10.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	0.7
	2. *Ischaemic heart diseases*	8	8.2	-		
	3. *Cerebrovascular diseases*	7	7.2	-		
	4. *Chronic lower respiratory diseases*	7	7.2	-		
	5. *Malignant neoplasm of trachea, bronchus and lung*	5	5.2	-		
	Keseluruhan sebab *All causes*	**97**		**Keseluruhan sebab** *All causes*	**146**	
Samarahan	1. *Cerebrovascular diseases*	10	6.8	Barah payudara *Breast cancer*	1	0.5
	2. *Ischaemic heart diseases*	9	6.1	Darah tinggi *Hypertension*	1	0.5
	3. *Pneumonia*	7	4.8	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	0.5
	4. *Malignant neoplasm of colon, rectum and anus*	6	4.1	Kencing manis *Diabetes mellitus*	1	0.5
	5. *Hypertensive diseases*	6	4.1	Radang paru-paru *Pneumonia*	1	0.5
	Keseluruhan sebab *All causes*	**147**		**Keseluruhan sebab** *All causes*	**209**	
Serian	1. *Ischaemic heart diseases*	38	10.4	Darah tinggi *Hypertension*	1	0.2
	2. *Pneumonia*	29	8.0	-		
	3. *Cerebrovascular diseases*	20	5.5	-		
	4. *Malignant neoplasm of trachea, bronchus and lung*	19	5.2	-		
	5. *Hypertensive diseases*	13	3.6	-		
	Keseluruhan sebab *All causes*	**364**		**Keseluruhan sebab** *All causes*	**475**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Simunjan	1. *Cerebrovascular diseases*	12	9.9	Penyakit jantung iskemia *Ischaemic heart diseases*	1	0.5
	2. *Ischaemic heart diseases*	9	7.4	Penyakit serebrovaskular *Cerebrovascular diseases*	1	0.5
	3. *Malignant neoplasm of trachea, bronchus and lung*	8	6.6	-		
	4. *Pneumonia*	8	6.6	-		
	5. *Chronic lower respiratory diseases*	7	5.8	-		
	Keseluruhan sebab *All causes*	**121**		**Keseluruhan sebab** *All causes*	**220**	
Sri Aman	1. *Pneumonia*	19	12.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	0.3
	2. *Ischaemic heart diseases*	15	9.9	Darah tinggi *Hypertension*	1	0.3
	3. *Malignant neoplasm of colon, rectum and anus*	7	4.6	-		
	4. *Chronic lower respiratory diseases*	7	4.6	-		
	5. *Diseases of the liver*	6	3.9	-		
	Keseluruhan sebab *All causes*	**152**		**Keseluruhan sebab** *All causes*	**366**	
Lubok Antu	1. *Ischaemic heart diseases*	9	11.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	0.5
	2. *Pneumonia*	8	9.9	-		
	3. *Chronic lower respiratory diseases*	5	6.2	-		
	4. *Hypertensive diseases*	3	3.7	-		
	5. *Cerebrovascular diseases*	3	3.7	-		
	Keseluruhan sebab *All causes*	**81**		**Keseluruhan sebab** *All causes*	**184**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Betong	1. *Cerebrovascular diseases*	18	11.6	Darah tinggi *Hypertension*	1	0.5
	2. *Pneumonia*	14	9.0	-		
	3. *Chronic lower respiratory diseases*	11	7.1	-		
	4. *Ischaemic heart diseases*	9	5.8	-		
	5. *Hypertensive diseases*	7	4.5	-		
	Keseluruhan sebab *All causes*	**155**		**Keseluruhan sebab** *All causes*	**192**	
Saratok	1. *Cerebrovascular diseases*	14	13.2	Keracunan *Poisoning*	1	1.0
	2. *Pneumonia*	10	9.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	1.0
	3. *Ischaemic heart diseases*	7	6.6	-		
	4. *Chronic lower respiratory diseases*	7	6.6	-		
	5. *Transport accidents*	3	2.8	-		
	Keseluruhan sebab *All causes*	**106**		**Keseluruhan sebab** *All causes*	**98**	
Sarikei	1. *Pneumonia*	24	10.3	-		
	2. *Ischaemic heart diseases*	21	9.1	-		
	3. *Chronic lower respiratory diseases*	15	6.5	-		
	4. *Malignant neoplasm of colon, rectum and anus*	11	4.7	-		
	5. *Cerebrovascular diseases*	9	3.9	-		
	Keseluruhan sebab *All causes*	**232**		**Keseluruhan sebab** *All causes*	**140**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Maradong	1. *Pneumonia*	16	14.8	-		
	2. *Chronic lower respiratory diseases*	7	6.5	-		
	3. *Malignant neoplasm of liver and intrahepatic bile ducts*	4	3.7	-		
	4. *Ischaemic heart diseases*	4	3.7	-		
	5. *Cerebrovascular diseases*	4	3.7	-		
	Keseluruhan sebab *All causes*	**108**		**Keseluruhan sebab** *All causes*	**146**	
Daro	1. *Pneumonia*	4	10.8	-		
	2. *Diseases of the liver*	2	5.4	-		
	3. *Viral hepatitis*	1	2.7	-		
	4. *Malignant neoplasm of liver and intrahepatic bile ducts*	1	2.7	-		
	5. *Non-Hodgkins lymphoma*	1	2.7	-		
	Keseluruhan sebab *All causes*	**37**		**Keseluruhan sebab** *All causes*	**106**	
Julau	1. *Pneumonia*	6	10.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	47	49.0
	2. *Ischaemic heart diseases*	5	8.8	Mati Lemas *Drowning*	2	2.1
	3. *Cerebrovascular diseases*	5	8.8	Kebakaran *Burning*	1	1.0
	4. *Respiratory tuberculosis*	3	5.3	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	1.0
	5. *Chronic lower respiratory diseases*	3	5.3	-		
	Keseluruhan sebab *All causes*	**57**		**Keseluruhan sebab** *All causes*	**96**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Sibu	1. *Pneumonia*	103	9.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4	0.8
	2. *Cerebrovascular diseases*	85	7.4	Darah tinggi *Hypertension*	1	0.2
	3. *Ischaemic heart diseases*	76	6.6	-		
	4. *Malignant neoplasm of trachea, bronchus and lung*	50	4.4	-		
	5. *Malignant neoplasm of colon, rectum and anus*	36	3.1	-		
	Keseluruhan sebab *All causes*	**1,145**		**Keseluruhan sebab** *All causes*	**479**	
Dalat	1. *Hypertensive diseases*	6	7.3	Demam malaria *Malaria*	1	0.8
	2. *Cerebrovascular diseases*	6	7.3	-		
	3. *Ischaemic heart diseases*	4	4.9	-		
	4. *Transport accidents*	3	3.7	-		
	5. *Malignant neoplasm of colon, rectum and anus*	2	2.4	-		
	Keseluruhan sebab *All causes*	**82**		**Keseluruhan sebab** *All causes*	**129**	
Mukah	1. *Ischaemic heart diseases*	14	10.2	-		
	2. *Cerebrovascular diseases*	12	8.8	-		
	3. *Pneumonia*	12	8.8	-		
	4. *Chronic lower respiratory diseases*	9	6.6	-		
	5. *Transport accidents*	7	5.1	-		
	Keseluruhan sebab *All causes*	**137**		**Keseluruhan sebab** *All causes*	**182**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kanowit	1. *Pneumonia*	15	9.3	Mati Lemas *Drowning*	1	0.7
	2. *Chronic lower respiratory diseases*	11	6.8	-		
	3. *Cerebrovascular diseases*	9	5.6	-		
	4. *Ischaemic heart diseases*	8	5.0	-		
	5. *Malignant neoplasm of colon, rectum and anus*	4	2.5	-		
	Keseluruhan sebab *All causes*	**161**		**Keseluruhan sebab** *All causes*	**146**	
Bintulu	1. *Ischaemic heart diseases*	27	10.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.4
	2. *Pneumonia*	21	7.9	Kencing manis *Diabetes mellitus*	1	0.4
	3. *Cerebrovascular diseases*	19	7.2	Penyakit hati *Liver disease*	1	0.4
	4. *Chronic lower respiratory diseases*	14	5.3	Penyakit serebrovaskular *Cerebrovascular diseases*	1	0.4
	5. *Malignant neoplasm of liver and intrahepatic bile ducts*	12	4.5	-		
	Keseluruhan sebab *All causes*	**265**		**Keseluruhan sebab** *All causes*	**264**	
Tatau	1. *Ischaemic heart diseases*	7	10.4	-		
	2. *Pneumonia*	5	7.5	-		
	3. *Malignant neoplasm of stomach*	2	3.0	-		
	4. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	2	3.0	-		
	5. *Hypertensive diseases*	2	3.0	-		
	Keseluruhan sebab *All causes*	**67**		**Keseluruhan sebab** *All causes*	**92**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kapit	1. *Ischaemic heart diseases*	12	8.6	Radang paru-paru *Pneumonia*	1	0.7
	2. *Pneumonia*	11	7.9	-		
	3. *Hypertensive diseases*	8	5.7	-		
	4. *Malignant neoplasm of trachea, bronchus and lung*	6	4.3	-		
	5. *Cerebrovascular diseases*	5	3.6	-		
	Keseluruhan sebab *All causes*	**140**		**Keseluruhan sebab** *All causes*	**134**	
Song	1. *Pneumonia*	8	12.5	-		
	2. *Cerebrovascular diseases*	6	9.4	-		
	3. *Malignant neoplasm of trachea, bronchus and lung*	2	3.1	-		
	4. *Transport accidents*	2	3.1	-		
	5. *Human immunodeficiency virus (HIV) disease*	1	1.6	-		
	Keseluruhan sebab *All causes*	**64**		**Keseluruhan sebab** *All causes*	**88**	
Belaga	1. *Cerebrovascular diseases*	9	13.8	-		
	2. *Pneumonia*	6	9.2	-		
	3. *Malignant neoplasm of lip, oral cavity and pharynx*	5	7.7	-		
	4. *Malignant neoplasm of trachea, bronchus and lung*	2	3.1	-		
	5. *Hypertensive diseases*	2	3.1	-		
	Keseluruhan sebab *All causes*	**65**		**Keseluruhan sebab** *All causes*	**70**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Miri	1. *Pneumonia*	114	15.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4	0.6
	2. *Ischaemic heart diseases*	67	9.3	Barah hati *Liver cancer*	2	0.3
	3. *Cerebrovascular diseases*	44	6.1	Darah tinggi *Hypertension*	2	0.3
	4. *Malignant neoplasm of trachea, bronchus and lung*	24	3.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.2
	5. *Chronic lower respiratory diseases*	18	2.5	Barah limfoma *Lymphoma*	1	0.2
	Keseluruhan sebab *All causes*	**724**		**Keseluruhan sebab** *All causes*	**639**	
Marudi	1. *Pneumonia*	18	17.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	13	16.3
	2. *Ischaemic heart diseases*	9	8.9	-		
	3. *Cerebrovascular diseases*	7	6.9	-		
	4. *Chronic lower respiratory diseases*	5	5.0	-		
	5. *Malignant neoplasm of pancreas*	4	4.0	-		
	Keseluruhan sebab *All causes*	**101**		**Keseluruhan sebab** *All causes*	**80**	
Limbang	1. *Cerebrovascular diseases*	34	12.8	Darah tinggi *Hypertension*	1	1.7
	2. *Pneumonia*	34	12.8	Kencing manis *Diabetes mellitus*	1	1.7
	3. *Ischaemic heart diseases*	23	8.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	1.7
	4. *Chronic lower respiratory diseases*	12	4.5	-		
	5. *Hypertensive diseases*	10	3.8	-		
	Keseluruhan sebab *All causes*	**266**		**Keseluruhan sebab** *All causes*	**58**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Lawas	1. *Pneumonia*	14	10.0	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	1	0.9
	2. *Ischaemic heart diseases*	12	8.6	Penyakit serebrovaskular *Cerebrovascular diseases*	1	0.9
	3. *Malignant neoplasm of colon, rectum and anus*	6	4.3	-		
	4. *Cerebrovascular diseases*	6	4.3	-		
	5. *Hypertensive diseases*	5	3.6	-		
	Keseluruhan sebab *All causes*	**140**		**Keseluruhan sebab** *All causes*	**116**	
Matu	1. *Cerebrovascular diseases*	5	11.6	-		
	2. *Ischaemic heart diseases*	3	7.0	-		
	3. *Pneumonia*	3	7.0	-		
	4. *Malignant neoplasm of colon, rectum and anus*	2	4.7	-		
	5. *Malignant neoplasm of liver and intrahepatic bile ducts*	2	4.7	-		
	Keseluruhan sebab *All causes*	**43**		**Keseluruhan sebab** *All causes*	**106**	
Asajaya	1. *Ischaemic heart diseases*	9	10.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	0.6
	2. *Cerebrovascular diseases*	8	9.6	-		
	3. *Malignant neoplasm of trachea, bronchus and lung*	5	6.0	-		
	4. *Malignant neoplasm of breast*	4	4.8	-		
	5. *Pneumonia*	3	3.6	-		
	Keseluruhan sebab *All causes*	**83**		**Keseluruhan sebab** *All causes*	**169**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Pakan	1. *Pneumonia*	10	18.9	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	1.5
	2. *Cerebrovascular diseases*	7	13.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	1.5
	3. *Chronic lower respiratory diseases*	4	7.5	-		
	4. *Respiratory tuberculosis*	2	3.8	-		
	5. *Ischaemic heart diseases*	2	3.8	-		
	Keseluruhan sebab *All causes*	**53**		**Keseluruhan sebab** *All causes*	**66**	
Selangau	1. *Cerebrovascular diseases*	6	8.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	0.8
	2. *Ischaemic heart diseases*	5	6.8	-		
	3. *Pneumonia*	5	6.8	-		
	4. *Transport accidents*	5	6.8	-		
	5. *Chronic lower respiratory diseases*	4	5.5	-		
	Keseluruhan sebab *All causes*	**73**		**Keseluruhan sebab** *All causes*	**127**	
Tebedu	1. *Pneumonia*	8	9.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	0.9
	2. *Malignant neoplasm of liver and intrahepatic bile ducts*	4	4.9	-		
	3. *Malignant neoplasm of trachea, bronchus and lung*	4	4.9	-		
	4. *Ischaemic heart diseases*	4	4.9	-		
	5. *Cerebrovascular diseases*	4	4.9	-		
	Keseluruhan sebab *All causes*	**81**		**Keseluruhan sebab** *All causes*	**114**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Pusa	1. *Ischaemic heart diseases*	10	10.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	1.8
	2. *Cerebrovascular diseases*	6	6.3	-		
	3. *Pneumonia*	6	6.3	-		
	4. *Diabetes mellitus*	5	5.2	-		
	5. *Hypertensive diseases*	5	5.2	-		
	Keseluruhan sebab *All causes*	**96**		**Keseluruhan sebab** *All causes*	**55**	
Kabong	1. *Cerebrovascular diseases*	9	10.8	-		
	2. *Ischaemic heart diseases*	4	4.8	-		
	3. *Pneumonia*	4	4.8	-		
	4. *Chronic lower respiratory diseases*	3	3.6	-		
	5. *Transport accidents*	3	3.6	-		
	Keseluruhan sebab *All causes*	**83**		**Keseluruhan sebab** *All causes*	**126**	
Tanjung Manis	1. *Ischaemic heart diseases*	2	10.5	Barah bibir,dalam mulut dan tekak *Cancer of lip, oral cavity and pharynx*	1	1.9
	2. *Pneumonia*	2	10.5	-		
	3. *Respiratory tuberculosis*	1	5.3	-		
	4. *Malignant neoplasm of trachea, bronchus and lung*	1	5.3	-		
	5. *Malignant neoplasm of ovary*	1	5.3	-		
	Keseluruhan sebab *All causes*	**19**		**Keseluruhan sebab** *All causes*	**53**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Sebauh	1. *Cerebrovascular diseases*	10	13.5	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	0.9
	2. *Pneumonia*	9	12.2	-		
	3. *Malignant neoplasm of liver and intrahepatic bile ducts*	5	6.8	-		
	4. *Ischaemic heart diseases*	4	5.4	-		
	5. *Chronic lower respiratory diseases*	3	4.1	-		
	Keseluruhan sebab *All causes*	**74**		**Keseluruhan sebab** *All causes*	**111**	
Bukit Mabong	1. *Pneumonia*	6	10.5	Radang paru-paru *Pneumonia*	1	1.2
	2. *Malignant neoplasm of trachea, bronchus and lung*	5	8.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	1.2
	3. *Cerebrovascular diseases*	5	8.8	-		
	4. *Ischaemic heart diseases*	4	7.0	-		
	5. *Transport accidents*	2	3.5	-		
	Keseluruhan sebab *All causes*	**57**		**Keseluruhan sebab** *All causes*	**82**	
Subis	1. *Pneumonia*	30	18.3	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	0.4
	2. *Ischaemic heart diseases*	19	11.6	-		
	3. *Cerebrovascular diseases*	10	6.1	-		
	4. *Malignant neoplasm of trachea, bronchus and lung*	7	4.3	-		
	5. *Chronic lower respiratory diseases*	5	3.0	-		
	Keseluruhan sebab *All causes*	**164**		**Keseluruhan sebab** *All causes*	**277**	

Jadual 1.36: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Sarawak, 2023 (samb.)

Table 1.36: Five principal causes of death (medically certified and non-medically certified) by administrative district, Sarawak, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Beluru	1. *Pneumonia*	17	19.3	Penyakit hati *Liver disease*	1	0.9
	2. *Ischaemic heart diseases*	9	10.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1	0.9
	3. *Cerebrovascular diseases*	5	5.7	-		
	4. *Malignant neoplasm of trachea, bronchus and lung*	4	4.5	-		
	5. *Malignant neoplasm of breast*	2	2.3	-		
	Keseluruhan sebab *All causes*	**88**		**Keseluruhan sebab** *All causes*	**108**	
Telang Usan	1. *Pneumonia*	14	23.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	1.3
	2. *Malignant neoplasm of stomach*	3	4.9	-		
	3. *Ischaemic heart diseases*	3	4.9	-		
	4. *Malignant neoplasm of lip, oral cavity and pharynx*	2	3.3	-		
	5. *Non-Hodgkins lymphoma*	2	3.3	-		
	Keseluruhan sebab *All causes*	**61**		**Keseluruhan sebab** *All causes*	**77**	

Jadual 1.37: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Selangor, 2023

Table 1.37: Five principal causes of death (medically certified and non-medically certified) by administrative district, Selangor, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Selangor	1. *Ischaemic heart diseases*	3,076	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5,606	45.2
	2. *Pneumonia*	3,072	15.2	Kencing manis *Diabetes mellitus*	738	5.9
	3. *Cerebrovascular diseases*	1,283	6.3	Darah tinggi *Hypertension*	724	5.8
	4. *Transport accidents*	775	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	507	4.1
	5. *Malignant neoplasm of trachea, bronchus and lung*	390	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	294	2.4
	Keseluruhan sebab *All causes*	**20,234**		**Keseluruhan sebab** *All causes*	**12,412**	
Gombak	1. *Pneumonia*	442	17.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	628	37.0
	2. *Ischaemic heart diseases*	336	13.4	Darah tinggi *Hypertension*	171	10.1
	3. *Cerebrovascular diseases*	164	6.5	Kencing manis *Diabetes mellitus*	138	8.1
	4. *Transport accidents*	76	3.0	Penyakit serebrovaskular *Cerebrovascular diseases*	82	4.8
	5. *Malignant neoplasm of trachea, bronchus and lung*	61	2.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	41	2.4
	Keseluruhan sebab *All causes*	**2,511**		**Keseluruhan sebab** *All causes*	**1,698**	
Klang	1. *Ischaemic heart diseases*	620	17.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,054	50.4
	2. *Pneumonia*	496	14.1	Kencing manis *Diabetes mellitus*	114	5.4
	3. *Cerebrovascular diseases*	245	7.0	Darah tinggi *Hypertension*	95	4.5
	4. *Transport accidents*	137	3.9	Penyakit serebrovaskular *Cerebrovascular diseases*	78	3.7
	5. *Malignant neoplasm of trachea, bronchus and lung*	68	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	38	1.8
	Keseluruhan sebab *All causes*	**3,523**		**Keseluruhan sebab** *All causes*	**2,093**	

Jadual 1.37: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Selangor, 2023 (samb.)

Table 1.37: Five principal causes of death (medically certified and non-medically certified) by administrative district, Selangor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kuala Langat	1. *Ischaemic heart diseases*	178	15.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	286	47.9
	2. *Pneumonia*	155	13.7	Kencing manis *Diabetes mellitus*	44	7.4
	3. *Cerebrovascular diseases*	78	6.9	Darah tinggi *Hypertension*	34	5.7
	4. *Transport accidents*	62	5.5	Penyakit serebrovaskular *Cerebrovascular diseases*	24	4.0
	5. *Malignant neoplasm of colon, rectum and anus*	26	2.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	9	1.5
	Keseluruhan sebab *All causes*	**1,129**		**Keseluruhan sebab** *All causes*	**597**	
Kuala Selangor	1. *Ischaemic heart diseases*	139	14.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	321	52.2
	2. *Pneumonia*	109	11.1	Darah tinggi *Hypertension*	25	4.1
	3. *Transport accidents*	70	7.2	Kencing manis *Diabetes mellitus*	24	3.9
	4. *Cerebrovascular diseases*	64	6.5	Penyakit serebrovaskular *Cerebrovascular diseases*	24	3.9
	5. *Chronic lower respiratory diseases*	21	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	15	2.4
	Keseluruhan sebab *All causes*	**978**		**Keseluruhan sebab** *All causes*	**615**	
Petaling	1. *Ischaemic heart diseases*	819	15.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,453	41.0
	2. *Pneumonia*	735	13.6	Kencing manis *Diabetes mellitus*	209	5.9
	3. *Cerebrovascular diseases*	335	6.2	Darah tinggi *Hypertension*	190	5.4
	4. *Transport accidents*	170	3.1	Penyakit serebrovaskular *Cerebrovascular diseases*	171	4.8
	5. *Malignant neoplasm of colon, rectum and anus*	116	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	101	2.9
	Keseluruhan sebab *All causes*	**5,421**		**Keseluruhan sebab** *All causes*	**3,540**	

Jadual 1.37: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Selangor, 2023 (samb.)

Table 1.37: Five principal causes of death (medically certified and non-medically certified) by administrative district, Selangor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Sabak Bernam	1. *Ischaemic heart diseases*	109	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	231	48.7
	2. *Pneumonia*	101	15.2	Kencing manis *Diabetes mellitus*	43	9.1
	3. *Transport accidents*	41	6.2	Darah tinggi *Hypertension*	34	7.2
	4. *Cerebrovascular diseases*	38	5.7	Penyakit serebrovaskular *Cerebrovascular diseases*	22	4.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	12	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	11	2.3
	Keseluruhan sebab *All causes*	**663**		**Keseluruhan sebab** *All causes*	**474**	
Sepang	1. *Pneumonia*	125	15.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	223	46.0
	2. *Ischaemic heart diseases*	118	14.6	Kencing manis *Diabetes mellitus*	29	6.0
	3. *Cerebrovascular diseases*	38	4.7	Penyakit serebrovaskular *Cerebrovascular diseases*	19	3.9
	4. *Transport accidents*	35	4.3	Darah tinggi *Hypertension*	18	3.7
	5. *Intentional self-harm*	21	2.6	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	15	3.1
	Keseluruhan sebab *All causes*	**810**		**Keseluruhan sebab** *All causes*	**485**	
Ulu Langat	1. *Pneumonia*	791	18.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,132	47.3
	2. *Ischaemic heart diseases*	598	14.2	Darah tinggi *Hypertension*	131	5.5
	3. *Cerebrovascular diseases*	264	6.3	Kencing manis *Diabetes mellitus*	114	4.8
	4. *Transport accidents*	134	3.2	Penyakit serebrovaskular *Cerebrovascular diseases*	73	3.0
	5. *Malignant neoplasm of trachea, bronchus and lung*	76	1.8	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	54	2.3
	Keseluruhan sebab *All causes*	**4,205**		**Keseluruhan sebab** *All causes*	**2,394**	

Jadual 1.37: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Selangor, 2023 (samb.)

Table 1.37: Five principal causes of death (medically certified and non-medically certified) by administrative district, Selangor, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Ulu Selangor	1. *Ischaemic heart diseases*	159	16.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	278	53.9
	2. *Pneumonia*	118	11.9	Darah tinggi *Hypertension*	26	5.0
	3. *Cerebrovascular diseases*	57	5.7	Kencing manis *Diabetes mellitus*	23	4.5
	4. *Transport accidents*	50	5.0	Penyakit serebrovaskular *Cerebrovascular diseases*	14	2.7
	5. *Diseases of the liver*	22	2.2	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	12	2.3
	Keseluruhan sebab *All causes*	**994**		**Keseluruhan sebab** *All causes*	**516**	

Jadual 1.38: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Terengganu, 2023

Table 1.38: Five principal causes of death (medically certified and non-medically certified) by administrative district, Terengganu, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Ischaemic heart diseases*	776	15.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,049	37.9
	2. *Pneumonia*	692	13.6	Kencing manis *Diabetes mellitus*	241	8.7
	3. *Cerebrovascular diseases*	514	10.1	Penyakit serebrovaskular *Cerebrovascular diseases*	230	8.3
	4. *Transport accidents*	214	4.2	Darah tinggi *Hypertension*	225	8.1
	5. *Diabetes mellitus*	197	3.9	Penyakit jantung iskemia *Ischaemic heart diseases*	80	2.9
	Keseluruhan sebab *All causes*	**5,087**		**Keseluruhan sebab** *All causes*	**2,770**	
Besut	1. *Ischaemic heart diseases*	94	14.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	101	19.8
	2. *Pneumonia*	87	13.3	Darah tinggi *Hypertension*	77	15.1
	3. *Cerebrovascular diseases*	49	7.5	Penyakit serebrovaskular *Cerebrovascular diseases*	65	12.8
	4. *Transport accidents*	41	6.3	Kencing manis *Diabetes mellitus*	63	12.4
	5. *Diabetes mellitus*	14	2.1	Penyakit jantung iskemia *Ischaemic heart diseases*	18	3.5
	Keseluruhan sebab *All causes*	**656**		**Keseluruhan sebab** *All causes*	**509**	
Dungun	1. *Pneumonia*	91	16.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	153	38.6
	2. *Ischaemic heart diseases*	82	14.5	Kencing manis *Diabetes mellitus*	38	9.6
	3. *Cerebrovascular diseases*	39	6.9	Penyakit serebrovaskular *Cerebrovascular diseases*	29	7.3
	4. *Diabetes mellitus*	23	4.1	Darah tinggi *Hypertension*	24	6.1
	5. *Transport accidents*	23	4.1	Penyakit jantung iskemia *Ischaemic heart diseases*	17	4.3
	Keseluruhan sebab *All causes*	**567**		**Keseluruhan sebab** *All causes*	**396**	

Jadual 1.38: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Terengganu, 2023 (samb.)

Table 1.38: Five principal causes of death (medically certified and non-medically certified) by administrative district, Terengganu, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Kemaman	1. *Ischaemic heart diseases*	147	19.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	161	42.8
	2. *Pneumonia*	129	16.7	Darah tinggi *Hypertension*	28	7.4
	3. *Cerebrovascular diseases*	73	9.5	Kencing manis *Diabetes mellitus*	26	6.9
	4. *Transport accidents*	34	4.4	Penyakit serebrovaskular *Cerebrovascular diseases*	25	6.6
	5. *Diabetes mellitus*	22	2.9	Barah payudara *Breast cancer*	6	1.6
	Keseluruhan sebab *All causes*	**771**		**Keseluruhan sebab** *All causes*	**376**	
Kuala Terengganu	1. *Ischaemic heart diseases*	213	15.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	247	42.0
	2. *Pneumonia*	160	11.8	Kencing manis *Diabetes mellitus*	53	9.0
	3. *Cerebrovascular diseases*	152	11.2	Penyakit serebrovaskular *Cerebrovascular diseases*	40	6.8
	4. *Diabetes mellitus*	74	5.5	Darah tinggi *Hypertension*	38	6.5
	5. *Chronic lower respiratory diseases*	43	3.2	Lelah *Asthma*	13	2.2
	Keseluruhan sebab *All causes*	**1,355**		**Keseluruhan sebab** *All causes*	**588**	
Marang	1. *Ischaemic heart diseases*	82	13.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	93	48.7
	2. *Pneumonia*	82	13.8	Penyakit serebrovaskular *Cerebrovascular diseases*	15	7.9
	3. *Cerebrovascular diseases*	77	12.9	Kencing manis *Diabetes mellitus*	14	7.3
	4. *Diabetes mellitus*	34	5.7	Darah tinggi *Hypertension*	12	6.3
	5. *Transport accidents*	25	4.2	Penyakit jantung iskemia *Ischaemic heart diseases*	6	3.1
	Keseluruhan sebab *All causes*	**596**		**Keseluruhan sebab** *All causes*	**191**	

Jadual 1.38: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, Terengganu, 2023 (samb.)

Table 1.38: Five principal causes of death (medically certified and non-medically certified) by administrative district, Terengganu, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Hulu Terengganu	1. *Ischaemic heart diseases*	63	15.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	91	50.8
	2. *Cerebrovascular diseases*	58	14.3	Darah tinggi *Hypertension*	14	7.8
	3. *Pneumonia*	49	12.1	Kencing manis *Diabetes mellitus*	8	4.5
	4. *Chronic lower respiratory diseases*	17	4.2	Penyakit serebrovaskular *Cerebrovascular diseases*	6	3.4
	5. *Transport accidents*	16	4.0	Penyakit jantung iskemia *Ischaemic heart diseases*	5	2.8
	Keseluruhan sebab *All causes*	**405**		**Keseluruhan sebab** *All causes*	**179**	
Setiu	1. *Ischaemic heart diseases*	46	17.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	69	39.0
	2. *Pneumonia*	40	14.8	Darah tinggi *Hypertension*	13	7.3
	3. *Cerebrovascular diseases*	19	7.0	Kencing manis *Diabetes mellitus*	13	7.3
	4. *Transport accidents*	17	6.3	Penyakit serebrovaskular *Cerebrovascular diseases*	12	6.8
	5. *Chronic lower respiratory diseases*	9	3.3	Lelah *Asthma*	7	4.0
	Keseluruhan sebab *All causes*	**270**		**Keseluruhan sebab** *All causes*	**177**	
Kuala Nerus	1. *Pneumonia*	54	11.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	134	37.9
	2. *Ischaemic heart diseases*	49	10.5	Penyakit serebrovaskular *Cerebrovascular diseases*	38	10.7
	3. *Cerebrovascular diseases*	47	10.1	Kencing manis *Diabetes mellitus*	26	7.3
	4. *Transport accidents*	16	3.4	Darah tinggi *Hypertension*	19	5.4
	5. *Diabetes mellitus*	13	2.8	Penyakit jantung iskemia *Ischaemic heart diseases*	17	4.8
	Keseluruhan sebab *All causes*	**467**		**Keseluruhan sebab** *All causes*	**354**	

Jadual 1.39: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, W.P. Kuala Lumpur, 2023

Table 1.39: Five principal causes of death (medically certified and non-medically certified) by administrative district, W.P. Kuala Lumpur, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
W.P. Kuala Lumpur	1. *Ischaemic heart diseases*	1,099	16.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,598	55.4
	2. *Pneumonia*	989	14.6	Darah tinggi *Hypertension*	140	4.9
	3. *Cerebrovascular diseases*	472	7.0	Kencing manis *Diabetes mellitus*	130	4.5
	4. *Malignant neoplasm of trachea, bronchus and lung*	165	2.4	Penyakit serebrovaskular *Cerebrovascular diseases*	66	2.3
	5. *Malignant neoplasm of colon, rectum and anus*	158	2.3	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	43	1.5
	Keseluruhan sebab *All causes*	**6,763**		**Keseluruhan sebab** *All causes*	**2,883**	

Jadual 1.40: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, W.P. Labuan, 2023

Table 1.40: Five principal causes of death (medically certified and non-medically certified) by administrative district, W.P. Labuan, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
W.P. Labuan	1. *Pneumonia*	28	13.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	59	46.5
	2. *Ischaemic heart diseases*	21	10.2	Darah tinggi *Hypertension*	3	2.4
	3. *Cerebrovascular diseases*	17	8.3	Barah hati *Liver cancer*	2	1.6
	4. *Malignant neoplasm of colon, rectum and anus*	6	2.9	Mati Lemas *Drowning*	2	1.6
	5. *Transport accidents*	6	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	2	1.6
	Keseluruhan sebab *All causes*	**206**		**Keseluruhan sebab** *All causes*	**127**	

Jadual 1.41: Lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) mengikut daerah pentadbiran, W.P. Putrajaya, 2023

Table 1.41: Five principal causes of death (medically certified and non-medically certified) by administrative district, W.P. Putrajaya, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
W.P. Putrajaya	1. *Ischaemic heart diseases*	42	16.0	Kencing manis *Diabetes mellitus*	6	27.3
	2. *Pneumonia*	21	8.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5	22.7
	3. *Cerebrovascular diseases*	18	6.9	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	2	9.1
	4. *Malignant neoplasm of colon, rectum and anus*	14	5.3	Barah hati *Liver cancer*	1	4.5
	5. *Transport accidents*	12	4.6	Barah perut *Stomach cancer*	1	4.5
	Keseluruhan sebab *All causes*	**262**		**Keseluruhan sebab** *All causes*	**22**	

Jadual 1.42: Sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2, ICD-10*
Malaysia, 2023

Table 1.42: Causes of death (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2023

Sebab kematian/ *Causes of death*	**Bil.** *No.*
1. *Cholera*	-
2. *Diarrhoea and gastroenteritis of presumed infectious origin*	233
3. *Other intestinal infectious diseases*	42
4. *Respiratory tuberculosis*	839
5. *Other tuberculosis*	218
6. *Plague*	-
7. *Tetanus*	2
8. *Diphtheria*	2
9. *Whooping cough*	20
10. *Meningococcal infection*	4
11. *Septicaemia*	5,164
12. *Infections with a predominantly sexual mode of transmission*	4
13. *Acute poliomyelitis*	-
14. *Rabies*	17
15. *Yellow fever*	-
16. *Other arthropod-borne viral fevers and viral haemorrhagic fevers*	119
17. *Measles*	1
18. *Viral hepatitis*	186
19. *Human immunodeficiency virus [HIV] disease*	149
20. *Malaria*	10
21. *Leishmaniasis*	-
22. *Trypanosomiasis*	-
23. *Schistosomiasis*	-
24. *Remainder of certain infectious and parasitic diseases*	2,249
25. *Malignant neoplasm of lip, oral cavity and pharynx*	611
26. *Malignant neoplasm of oesophagus*	159
27. *Malignant neoplasm of stomach*	420
28. *Malignant neoplasm of colon, rectum and anus*	2,070
29. *Malignant neoplasm of liver and intrahepatic bile ducts*	1,512
30. *Malignant neoplasm of pancreas*	663
31. *Malignant neoplasm of larynx*	59
32. *Malignant neoplasm of trachea, bronchus and lung*	2,373
33. *Malignant melanoma of skin*	57
34. *Malignant neoplasm of breast*	1,681
35. *Malignant neoplasm of cervix uteri*	394
36. *Malignant neoplasm of other and unspecified parts of uterus*	392
37. *Malignant neoplasm of ovary*	425
38. *Malignant neoplasm of prostate*	481
39. *Malignant neoplasm of bladder*	181
40. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	297
41. *Non-Hodgkin's lymphoma*	560
42. *Multiple myeloma and malignant plasma cell neoplasms*	140

Jadual 1.42: Sebab kematian (disahkan secara perubatan) mengikut Mortality Tabulation List 2, ICD-10 Malaysia, 2023 (samb.)

Table 1.42: Causes of death (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2023 (cont'd)

Sebab kematian/ *Causes of death*	**Bil.** *No.*
43. *Leukaemia*	698
44. *Remainder of malignant neoplasms*	2,785
45. *Anaemias*	210
46. *Diabetes mellitus*	1,975
47. *Malnutrition*	45
48. *Mental and behavioural disorders due to psychoactive substance use*	10
49. *Meningitis*	96
50. *Alzheimer's disease*	20
51. *Acute rheumatic fever and chronic rheumatic heart diseases*	108
52. *Hypertensive diseases*	1,738
53. *Ischaemic heart diseases*	18,121
54. *Other heart diseases*	5,609
55. *Cerebrovascular diseases*	8,657
56. *Atherosclerosis*	13
57. *Remainder of diseases of the circulatory system*	963
58. *Influenza*	79
59. *Pneumonia*	18,181
60. *Other acute lower respiratory infections*	6
61. *Chronic lower respiratory diseases*	2,203
62. *Remainder of diseases of the respiratory system*	4,222
63. *Gastric and duodenal ulcer*	351
64. *Diseases of the liver*	1,491
65. *Glomerular and renal tubulo-interstitial diseases*	159
66. *Pregnancy with abortive outcome*	23
67. *Other direct obstetric deaths*	45
68. *Indirect obstetric deaths*	15
69. *Certain conditions originating in the perinatal period*	1,245
70. *Congenital malformations, deformations and chromosomal abnormalities*	1,102
71. *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	5,611
72. *All other diseases*	12,868
73. *Transport accidents*	4,244
74. *Falls*	134
75. *Accidental drowning and submersion*	24
76. *Exposure to smoke, fire and flames*	1
77. *Accidental poisoning by and exposure to noxious substances*	22
78. *Intentional self-harm*	1,068
79. *Assault*	48
80. *All other external causes*	3,313
81. *COVID-19 infection (due to)*	415
Keseluruhan sebab *All causes*	**119,652**

Jadual 1.43: Sebab kematian (tidak disahkan secara perubatan), Malaysia, 2023

Table 1.43: Causes of death (non-medically certified), Malaysia, 2023

	Sebab kematian *Causes of death*	Bil. *No.*
1.	AIDS/ HIV	37
2.	Alzheimer	13
3.	Anemia/ *Anaemias*	53
4.	Lelah/ *Asthma*	885
5.	Barah bibir, dalam mulut dan tekak/ *Lips, oral and throat cancer*	136
6.	Barah esofagus/ *Esophagus cancer*	32
7.	Barah hati/ *Liver cancer*	669
8.	Barah kolon, rektum dan dubur/ *Colon, rectum and anus cancer*	1,048
9.	Barah limfoma/ *Lymphoma*	96
10.	Barah otak dan lain-lain barah sistem saraf pusat/ *Brain and other nervous system cancer*	230
11.	Barah ovari/ *Ovary cancer*	142
12.	Barah pangkal rahim/ *Cervix cancer*	104
13.	Barah pankreas/ *Pancreas cancer*	225
14.	Barah payudara/ *Breast cancer*	764
15.	Barah perut/ *Stomach cancer*	158
16.	Barah peti suara/ *Larynx cancer*	12
17.	Barah prostat/ *Prostate cancer*	210
18.	Barah pundi kencing/ *Urinary bladder cancer*	65
19.	Barah rahim/ *Uterus cancer*	171
20.	Barah sel darah putih/ *Leukaemia*	111
21.	Barah trakea, bronkus dan paru-paru/ *Trachea, bronchus and lung cancer*	917
22.	Batuk kokol/ *Whooping cough*	-
23.	Bunuh diri/ *Suicide*	-
24.	Cirit birit/ *Dysentery/ Diarrhea*	6
25.	Darah tinggi/ *Hypertension*	3,430
26.	Demam campak/ *Measles*	1
27.	Demam malaria/ *Malaria*	1
28.	Demam viral dan dengan pendarahan/ *Viral fevers and viral haemorrhagic fevers*	2
29.	Demam/ *Fever*	57
30.	Dibunuh/ *Homicide*	2
31.	Gangguan mental dan tingkah laku/ *Mental and behavioural disorders*	-
32.	Gejala-gejala, tanda-tanda dan penemuan yang tidak normal/ *Symptoms, signs and abnormal findings*	17,082
33.	Hepatitis A, B dan C/ *Hepatitis A, B and C*	49

Jadual 1.43: Sebab kematian (tidak disahkan secara perubatan), Malaysia, 2023 (samb.)

Table 1.43: Causes of death (non-medically certified), Malaysia, 2023 (cont'd)

	Sebab kematian *Causes of death*	**Bil.** *No.*
34.	Jatuh/ *Falls*	15
35.	Kancing gigi/ *Tetanus*	-
36.	Keadaan tertentu berpunca dalam tempoh perinatal/ *Certain conditions originating in the perinatal period*	16
37.	Kebakaran/ *Burning*	3
38.	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir/ *Congenital malformations, deformations and chromosomal abnormalities*	134
39.	Kemalangan pengangkutan - udara, darat dan air/ *Transport accidents - air, land and water*	88
40.	Kematian Ibu Bersalin/ *Maternal death*	-
41.	Kencing manis/ *Diabetes mellitus*	3,397
42.	Keracunan/ *Poisoning*	4
43.	Kolera/ *Cholera*	-
44.	Kuman dalam darah/ *Septicaemia*	79
45.	Lain-lain barah/ *Other cancer*	1,560
46.	Lain-lain penyakit/ *Other diseases*	2,834
47.	Lain-lain penyakit berjangkit/ *Other infectious diseases*	133
48.	Lain-lain penyakit berkaitan sistem peredaran darah/ *Other disorders of circulatory system*	74
49.	Lain-lain penyakit sistem pernafasan/ *Other diseases of the respiratory system*	331
50.	Mati lemas/ *Drowning*	26
51.	Meningitis	15
52.	Paru-paru berair/ *Pulmonary edema*	153
53.	Penyakit hati/ *Liver disease*	174
54.	Penyakit jangkitan melalui hubungan seksual/ *Sexually transmitted disease*	-
55.	Penyakit jangkitan usus lain/ *Other infection of intestines diseases*	-
56.	Penyakit jantung iskemia/ *Ischaemic heart diseases*	1,011
57.	Penyakit lain berkaitan jantung/ *Other heart diseases*	4,347
58.	Penyakit serebrovaskular/ *Cerebrovascular diseases*	2,638
59.	Radang paru-paru/ *Pneumonia*	548
60.	Sakit tua 65 tahun dan lebih/ *Old age 65 years and over*	32,758
61.	Sebab-sebab kematian berpunca dari faktor luar/ *Other external causes*	73
62.	Sesak nafas [bagi kematian bayi berumur 28-364 hari]/ *Difficulty in breathing [infant death for aged 28-364 days]*	2
63.	Tibi/ Batuk kering/ *Tuberculosis*	179
64.	Ulser perut/ *Gastric ulcer*	13
	Keseluruhan sebab *All causes*	**77,313**

Jadual 1.44: Kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2023

Table 1.44: Medically certified deaths by ICD-10 Chapters, Malaysia, 2023

	Sebab kematian/ *Causes of death*	**Kod ICD-10** *ICD-10 Code*	**Bil.** *No.*	*%*
1.	*Diseases of the circulatory system*	I00-I99	35,209	29.4
2.	*Diseases of the respiratory system*	J00-J99	24,691	20.6
3.	*Neoplasms*	C00-D48	16,545	13.8
4.	*Certain infectious and parasitic diseases*	A00-B99	9,259	7.7
5.	*External causes of morbidity and mortality*	V01-Y98	8,854	7.4
6.	*Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	R00-R99	5,611	4.7
7.	*Diseases of the genitourinary system*	N00-N99	4,408	3.7
8.	*Diseases of the digestive system*	K00-K93	4,162	3.5
9.	*Endocrine, nutritional and metabolic diseases*	E00-E90	3,194	2.7
10.	*Diseases of the nervous system*	G00-G99	1,611	1.3
11.	*Diseases of the skin and subcutaneous tissue*	L00-L96	1,354	1.1
12.	*Certain conditions originating in the perinatal period*	P00-P96	1,245	1.0
13.	*Diseases of the musculoskeletal system and connective tissue*	M00-M99	1,131	0.9
14.	*Congenital malformations, deformations and chromosomal abnormalities*	Q00-Q99	1,102	0.9
15.	*Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*	D50-D89	700	0.6
16.	*Codes for special purposes*	U00-U89	415	0.3
17.	*Pregnancy, childbirth and the puerperium*	O00-O99	85	0.1
18.	*Mental and behavioural disorders*	F00-F99	56	0.0
19.	*Diseases of the ear and mastoid process*	H60-H95	15	0.0
20.	*Diseases of the eye and adnexa*	H00-H59	5	0.0
21.	*Injury, poisoning and certain other consequences of external causes*	S00-T98	-	-
22.	*Factors influencing health status and contact with health services*		-	-
	Keseluruhan sebab *All causes*		**119,652**	

Jadual 1.45: Kematian yang disahkan secara perubatan mengikut Bab Neoplasma, Malaysia, 2023

Table 1.45: Medically certified deaths by Chapters of Neoplasms, Malaysia, 2023

	Sebab kematian/ *Causes of death*	**Kod ICD-10** *ICD-10 Code*	**Bil.** *No.*
1.	*Malignant neoplasms of lip, oral cavity and pharynx*	C00-C14	611
2.	*Malignant neoplasms of digestive organs*	C15-C26	5,054
3.	*Malignant neoplasms of respiratory and intrathoracic organs*	C30-C39	2,530
4.	*Malignant neoplasms of bone and articular cartilage*	C40-C41	107
5.	*Melanoma and other malignant neoplasms of skin*	C43-C44	128
6.	*Malignant neoplasms of mesothelial and soft tissue*	C45-C49	234
7.	*Malignant neoplasms of breast*	C50	1,681
8.	*Malignant neoplasms of female genital organs*	C51-C58	1,246
9.	*Malignant neoplasms of male genital organs*	C60-C63	552
10.	*Malignant neoplasms of urinary tract*	C64-C68	431
11.	*Malignant neoplasms of eye, brain and other parts of central nervous system*	C69-C72	306
12.	*Malignant neoplasms of thyroid and other endocrine glands*	C73-C75	231
13.	*Malignant neoplasms of ill-defined, secondary and unspecified sites*	C76-C80	1,379
14.	*Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue*	C81-C96	1,468
15.	*Malignant neoplasms of independent (primary) multiple sites*	C97	-
16.	*In situ neoplasms*	D00-D09	2
17.	*Benign neoplasms*	D10-D36	102
18.	*Neoplasms of uncertain or unknown behaviour*	D37-D48	483
	Keseluruhan sebab *All causes*		**16,545**

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KEMATIAN PERINATAL

PERINATAL DEATHS

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Jadual 2.1: Kematian perinatal (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 2.1: Perinatal deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian perinatal *Perinatal deaths*			**Kadar mortaliti perinatal** *Perinatal mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**3,603**	**2,015**	**1,588**	**7.9**	**8.5**	**7.2**
Johor	**383**	203	180	**6.8**	7.0	6.6
Kedah	**243**	129	114	**7.2**	7.3	7.0
Kelantan	**289**	165	124	**8.1**	8.9	7.2
Melaka	**106**	63	43	**7.8**	9.0	6.5
Negeri Sembilan	**115**	71	44	**6.9**	8.3	5.5
Pahang	**208**	106	102	**8.6**	8.5	8.7
Perak	**268**	147	121	**8.7**	9.2	8.1
Perlis	**41**	22	19	**10.5**	10.8	10.2
Pulau Pinang	**132**	72	60	**6.7**	7.1	6.3
Sabah	**466**	265	201	**10.0**	10.9	9.0
Sarawak	**235**	128	107	**6.9**	7.2	6.6
Selangor	**667**	393	274	**7.3**	8.4	6.2
Terengganu	**244**	134	110	**9.3**	9.9	8.6
W.P. Kuala Lumpur	**169**	94	75	**7.8**	8.5	7.1
W.P. Labuan	**18**	10	8	**12.7**	13.9	11.4
W.P. Putrajaya	**19**	13	6	**11.0**	14.5	7.3

Kadar adalah bagi setiap 1,000 kelahiran

The rates are per 1,000 births

Jadual 2.2: Lima sebab kematian utama perinatal (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 2.2: Five principal causes of perinatal death (medically certified and non-medically certified) by sex, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Jumlah	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	335	24.7	Sakit jantung kongenital *Congenital heart disease*	5	9.6
	2. *Edward's syndrome and Patau's syndrome*	96	7.1	Pramatang *Premature*	1	1.9
	3. *Cardiovascular disorders originating in the perinatal period*	89	6.6	Sakit usus *Intestine disease*	1	1.9
	4. *Intracranial nontraumatic haemorrhage of fetus and newborn*	51	3.8	-		
	5. *Bacterial sepsis of newborn*	48	3.5	-		
	Keseluruhan sebab *All causes*	**1,358**		**Keseluruhan sebab** *All causes*	**52**	
Lelaki	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	176	22.3	Sakit jantung kongenital *Congenital heart disease*	4	12.5
	2. *Edward's syndrome and Patau's syndrome*	57	7.2	Sakit usus *Intestine disease*	1	3.1
	3. *Cardiovascular disorders originating in the perinatal period*	40	5.1	-		
	4. *Bacterial sepsis of newborn*	33	4.2	-		
	5. *Intracranial nontraumatic haemorrhage of fetus and newborn*	33	4.2	-		
	Keseluruhan sebab *All causes*	**791**		**Keseluruhan sebab** *All causes*	**32**	
Perempuan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	159	28.0	Pramatang *Premature*	1	5.0
	2. *Cardiovascular disorders originating in the perinatal period*	49	8.6	Sakit jantung kongenital *Congenital heart disease*	1	5.0
	3. *Edward's syndrome and Patau's syndrome*	39	6.9	-		
	4. *Intracranial nontraumatic haemorrhage of fetus and newborn*	18	3.2	-		
	5. *Congenital malformations of lung*	17	3.0	-		
	Keseluruhan sebab *All causes*	**567**		**Keseluruhan sebab** *All causes*	**20**	

Jadual 2.3: Tiga sebab kematian utama perinatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 2.3: Three principal causes of perinatal death (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	32	21.9	-		
	2. *Cardiovascular disorders originating in the perinatal period*	11	7.5	-		
	3. *Bacterial sepsis of newborn*	9	6.2	-		
	Keseluruhan sebab *All causes*	**146**		**Keseluruhan sebab** *All causes*	**2**	
Kedah	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	21	23.9	Sakit jantung kongenital *Congenital heart disease*	1	50.0
	2. *Cardiovascular disorders originating in the perinatal period*	7	8.0	-		
	3. *Anencephaly and similar malformations*	6	6.8	-		
	Keseluruhan sebab *All causes*	**88**		**Keseluruhan sebab** *All causes*	**2**	
Kelantan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	25	20.3	-		
	2. *Edward's syndrome and Patau's syndrome*	13	10.6	-		
	3. *Fetus and newborn affected by complications of placenta, cord and membranes*	7	5.7	-		
	Keseluruhan sebab *All causes*	**123**		**Keseluruhan sebab** *All causes*	**-**	
Melaka	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	10	23.8	-		
	2. *Cardiovascular disorders originating in the perinatal period*	6	14.3	-		
	3. *Edward's syndrome and Patau's syndrome*	5	11.9	-		
	Keseluruhan sebab *All causes*	**42**		**Keseluruhan sebab** *All causes*	**1**	

Jadual 2.3: Tiga sebab kematian utama perinatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 2.3: Three principal causes of perinatal death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Negeri Sembilan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	12	25.5	Sakit jantung kongenital *Congenital heart disease*	1	33.3
	2. *Cardiovascular disorders originating in the perinatal period*	6	12.8	Sakit usus *Intestine disease*	1	33.3
	3. *Congenital malformations of lung*	2	4.3	-		
	Keseluruhan sebab *All causes*	**47**		**Keseluruhan sebab** *All causes*	**3**	
Pahang	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	21	23.1	-		
	2. *Cardiovascular disorders originating in the perinatal period*	7	7.7	-		
	3. *Edward's syndrome and Patau's syndrome*	5	5.5	-		
	Keseluruhan sebab *All causes*	**91**		**Keseluruhan sebab** *All causes*	**2**	
Perak	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	33	30.3	-		
	2. *Edward's syndrome and Patau's syndrome*	7	6.4	-		
	3. *Cardiovascular disorders originating in the perinatal period*	4	3.7	-		
	Keseluruhan sebab *All causes*	**109**		**Keseluruhan sebab** *All causes*		
Perlis	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	3	20.0	-		
	2. *Anencephaly and similar malformations*	1	6.7	-		
	3. *Bacterial sepsis of newborn*	1	6.7	-		
	Keseluruhan sebab *All causes*	**15**		**Keseluruhan sebab** *All causes*	**-**	

Jadual 2.3: Tiga sebab kematian utama perinatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 2.3: Three principal causes of perinatal death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Pulau Pinang	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	12	23.1	-		
	2. *Cardiovascular disorders originating in the perinatal period*	6	11.5	-		
	3. *Edward's syndrome and Patau's syndrome*	4	7.7	-		
	Keseluruhan sebab *All causes*	**52**		**Keseluruhan sebab** *All causes*	**1**	
Sabah	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	47	35.9	Sakit jantung kongenital *Congenital heart disease*	1	3.2
	2. *Edward's syndrome and Patau's syndrome*	12	9.2	-		
	3. *Cardiovascular disorders originating in the perinatal period*	7	5.3	-		
	Keseluruhan sebab *All causes*	**131**		**Keseluruhan sebab** *All causes*	**31**	
Sarawak	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	26	28.3	-		
	2. *Cardiovascular disorders originating in the perinatal period*	8	8.7	-		
	3. *Bacterial sepsis of newborn*	4	4.3	-		
	Keseluruhan sebab *All causes*	**92**		**Keseluruhan sebab** *All causes*	**4**	
Selangor	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	45	18.6	-		
	2. *Bacterial sepsis of newborn*	18	7.4	-		
	3. *Edward's syndrome and Patau's syndrome*	17	7.0	-		
	Keseluruhan sebab *All causes*	**242**		**Keseluruhan sebab** *All causes*	**1**	

Jadual 2.3: Tiga sebab kematian utama perinatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 2.3: Three principal causes of perinatal death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	22	20.6	Sakit jantung kongenital *Congenital heart disease*	1	33.3
	2. *Intracranial nontraumatic haemorrhage of fetus and newborn*	17	15.9	-		
	3. *Edward's syndrome and Patau's syndrome*	12	11.2	-		
	Keseluruhan sebab *All causes*	**107**		**Keseluruhan sebab** *All causes*	**3**	
W.P. Kuala Lumpur	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	17	31.5	Pramatang *Premature*	1	50.0
	2. *Congenital malformations of aortic and mitral valves*	3	5.6	Sakit jantung kongenital *Congenital heart disease*	1	50.0
	3. *Edward's syndrome and Patau's syndrome*	3	5.6	-		
	Keseluruhan sebab *All causes*	**54**		**Keseluruhan sebab** *All causes*	**2**	
W.P. Labuan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	3	42.9	-		
	2. *Congenital malformations of cardiac chambers and connections*	1	14.3	-		
	3. *Interstitial emphysema and related conditions originating in the perinatal period*	1	14.3	-		
	Keseluruhan sebab *All causes*	**7**		**Keseluruhan sebab** *All causes*	**-**	
W.P. Putrajaya	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	6	50.0	-		
	2. *Congenital malformations of the musculoskeletal system, not elsewhere classified*	2	16.7	-		
	3. *Congenital malformations of aortic and mitral valves*	1	8.3	-		
	Keseluruhan sebab *All causes*	**12**		**Keseluruhan sebab** *All causes*	**-**	

KEMATIAN NEONATAL

NEONATAL DEATHS

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Jadual 3.1: Kematian neonatal awal (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 3.1: Early neonatal deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian neonatal awal *Early neonatal deaths*			**Kadar mortaliti neonatal awal** *Early neonatal mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**1,410**	**823**	**587**	**3.1**	**3.5**	**2.7**
Johor	**148**	79	69	**2.6**	2.7	2.5
Kedah	**90**	51	39	**2.7**	2.9	2.4
Kelantan	**123**	75	48	**3.4**	4.1	2.8
Melaka	**43**	25	18	**3.2**	3.6	2.7
Negeri Sembilan	**50**	30	20	**3.0**	3.5	2.5
Pahang	**93**	52	41	**3.8**	4.2	3.5
Perak	**109**	64	45	**3.5**	4.0	3.0
Perlis	**15**	8	7	**3.9**	3.9	3.8
Pulau Pinang	**53**	27	26	**2.7**	2.7	2.8
Sabah	**162**	101	61	**3.5**	4.2	2.7
Sarawak	**96**	56	40	**2.8**	3.1	2.5
Selangor	**243**	152	91	**2.7**	3.2	2.1
Terengganu	**110**	62	48	**4.2**	4.6	3.8
W.P. Kuala Lumpur	**56**	31	25	**2.6**	2.8	2.4
W.P. Labuan	**7**	2	5	**5.0**	2.8	7.2
W.P. Putrajaya	**12**	8	4	**7.0**	8.9	4.9

Kadar adalah bagi setiap 1,000 kelahiran hidup

The rates are per 1,000 live births

Jadual 3.2: Kematian neonatal akhir (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 3.2: Late neonatal deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian neonatal akhir *Late neonatal deaths*			**Kadar mortaliti neonatal akhir** *Late neonatal mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**531**	**297**	**234**	**1.2**	**1.3**	**1.1**
Johor	**58**	31	27	**1.0**	1.1	1.0
Kedah	**33**	14	19	**1.0**	0.8	1.2
Kelantan	**50**	26	24	**1.4**	1.4	1.4
Melaka	**17**	10	7	**1.3**	1.4	1.1
Negeri Sembilan	**24**	15	9	**1.4**	1.8	1.1
Pahang	**32**	20	12	**1.3**	1.6	1.0
Perak	**32**	22	10	**1.0**	1.4	0.7
Perlis	**5**	3	2	**1.3**	1.5	1.1
Pulau Pinang	**17**	10	7	**0.9**	1.0	0.7
Sabah	**59**	30	29	**1.3**	1.2	1.3
Sarawak	**37**	15	22	**1.1**	0.8	1.4
Selangor	**105**	66	39	**1.2**	1.4	0.9
Terengganu	**41**	23	18	**1.6**	1.7	1.4
W.P. Kuala Lumpur	**16**	8	8	**0.7**	0.7	0.8
W.P. Labuan	**1**	1	-	**0.7**	1.4	-
W.P. Putrajaya	**4**	3	1	**2.3**	3.4	1.2

Kadar adalah bagi setiap 1,000 kelahiran hidup

The rates are per 1,000 live births

Jadual 3.3: Kematian neonatal (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 3.3: Neonatal deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian neonatal *Neonatal deaths*			**Kadar mortaliti neonatal** *Neonatal mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**1,941**	**1,120**	**821**	**4.3**	**4.7**	**3.7**
Johor	**206**	110	96	**3.7**	3.8	3.5
Kedah	**123**	65	58	**3.6**	3.7	3.6
Kelantan	**173**	101	72	**4.8**	5.5	4.2
Melaka	**60**	35	25	**4.4**	5.0	3.8
Negeri Sembilan	**74**	45	29	**4.5**	5.3	3.6
Pahang	**125**	72	53	**5.2**	5.8	4.5
Perak	**141**	86	55	**4.6**	5.4	3.7
Perlis	**20**	11	9	**5.2**	5.4	4.9
Pulau Pinang	**70**	37	33	**3.6**	3.6	3.5
Sabah	**221**	131	90	**4.8**	5.4	4.1
Sarawak	**133**	71	62	**3.9**	4.0	3.8
Selangor	**348**	218	130	**3.8**	4.7	3.0
Terengganu	**151**	85	66	**5.8**	6.3	5.2
W.P. Kuala Lumpur	**72**	39	33	**3.4**	3.6	3.1
W.P. Labuan	**8**	3	5	**5.7**	4.2	7.2
W.P. Putrajaya	**16**	11	5	**9.3**	12.3	6.1

Kadar adalah bagi setiap 1,000 kelahiran hidup

The rates are per 1,000 live births

Jadual 3.4: Lima sebab kematian utama neonatal awal (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 3.4: Five principal causes of early neonatal death (medically certified and non-medically certified) by sex, Malaysia, 2023

		Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Jumlah	1.	*Disorders related to short gestation and low birth weight, not elsewhere classified*	335	24.7	Sakit jantung kongenital *Congenital heart disease*	5	9.6
	2.	*Edward's syndrome and Patau's syndrome*	96	7.1	Pramatang *Premature*	1	1.9
	3.	*Cardiovascular disorders originating in the perinatal period*	89	6.6	Sakit usus *Intestine disease*	1	1.9
	4.	*Intracranial nontraumatic haemorrhage of fetus and newborn*	51	3.8	-		
	5.	*Bacterial sepsis of newborn*	48	3.5	-		
		Keseluruhan sebab *All causes*	**1,358**		**Keseluruhan sebab** *All causes*	**52**	
Lelaki	1.	*Disorders related to short gestation and low birth weight, not elsewhere classified*	176	22.3	Sakit jantung kongenital *Congenital heart disease*	4	12.5
	2.	*Edward's syndrome and Patau's syndrome*	57	7.2	Sakit usus *Intestine disease*	1	3.1
	3.	*Cardiovascular disorders originating in the perinatal period*	40	5.1	-		
	4.	*Bacterial sepsis of newborn*	33	4.2	-		
	5.	*Intracranial nontraumatic haemorrhage of fetus and newborn*	33	4.2	-		
		Keseluruhan sebab *All causes*	**791**		**Keseluruhan sebab** *All causes*	**32**	
Perempuan	1.	*Disorders related to short gestation and low birth weight, not elsewhere classified*	159	28.0	Pramatang *Premature*	1	5.0
	2.	*Cardiovascular disorders originating in the perinatal period*	49	8.6	Sakit jantung kongenital *Congenital heart disease*	1	5.0
	3.	*Edward's syndrome and Patau's syndrome*	39	6.9	-		
	4.	*Intracranial nontraumatic haemorrhage of fetus and newborn*	18	3.2	-		
	5.	*Congenital malformations of lung*	17	3.0	-		
		Keseluruhan sebab *All causes*	**567**		**Keseluruhan sebab** *All causes*	**20**	

Jadual 3.5: Lima sebab kematian utama neonatal akhir (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 3.5: Five principal causes of late neonatal death (medically certified and non-medically certified) by sex, Malaysia, 2023

		Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Jumlah	1.	*Bacterial sepsis of newborn*	73	15.1	Sakit jantung kongenital *Congenital heart disease*	10	21.3
	2.	*Cardiovascular disorders originating in the perinatal period*	37	7.6	-		
	3.	*Congenital pneumonia*	24	5.0	-		
	4.	*Necrotizing enterocolitis of fetus and newborn*	24	5.0	-		
	5.	*Edward's syndrome and Patau's syndrome*	20	4.1	-		
		Keseluruhan sebab *All causes*	**484**		**Keseluruhan sebab** *All causes*	**47**	
Lelaki	1.	*Bacterial sepsis of newborn*	38	14.0	Sakit jantung kongenital *Congenital heart disease*	8	32.0
	2.	*Cardiovascular disorders originating in the perinatal period*	21	7.7	-		
	3.	*Congenital pneumonia*	14	5.1	-		
	4.	*Congenital malformations of cardiac chambers and connections*	12	4.4	-		
	5.	*Necrotizing enterocolitis of fetus and newborn*	11	4.0	-		
		Keseluruhan sebab *All causes*	**272**		**Keseluruhan sebab** *All causes*	**25**	
Perempuan	1.	*Bacterial sepsis of newborn*	35	16.5	Sakit jantung kongenital *Congenital heart disease*	2	9.1
	2.	*Cardiovascular disorders originating in the perinatal period*	16	7.5	-		
	3.	*Necrotizing enterocolitis of fetus and newborn*	13	6.1	-		
	4.	*Edward's syndrome and Patau's syndrome*	12	5.7	-		
	5.	*Congenital pneumonia*	10	4.7	-		
		Keseluruhan sebab *All causes*	**212**		**Keseluruhan sebab** *All causes*	**22**	

Jadual 3.6: Lima sebab kematian utama neonatal (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 3.6: Five principal causes of neonatal death (medically certified and non-medically certified) by sex, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Jumlah	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	346	18.8	Sakit jantung kongenital *Congenital heart disease*	15	15.2
	2. *Cardiovascular disorders originating in the perinatal period*	126	6.8	Pramatang *Premature*	1	1.0
	3. *Bacterial sepsis of newborn*	121	6.6	Sakit usus *Intestine disease*	1	1.0
	4. *Edward's syndrome and Patau's syndrome*	116	6.3	-		
	5. *Intracranial nontraumatic haemorrhage of fetus and newborn*	69	3.7	-		
	Keseluruhan sebab *All causes*	**1,842**		**Keseluruhan sebab** *All causes*	**99**	
Lelaki	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	183	17.2	Sakit jantung kongenital *Congenital heart disease*	12	21.1
	2. *Bacterial sepsis of newborn*	71	6.7	Sakit usus *Intestine disease*	1	1.8
	3. *Edward's syndrome and Patau's syndrome*	65	6.1	-		
	4. *Cardiovascular disorders originating in the perinatal period*	61	5.7	-		
	5. *Intracranial nontraumatic haemorrhage of fetus and newborn*	43	4.0	-		
	Keseluruhan sebab *All causes*	**1,063**		**Keseluruhan sebab** *All causes*	**57**	
Perempuan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	163	20.9	Sakit jantung kongenital *Congenital heart disease*	3	7.1
	2. *Cardiovascular disorders originating in the perinatal period*	65	8.3	Pramatang *Premature*	1	2.4
	3. *Edward's syndrome and Patau's syndrome*	51	6.5	-		
	4. *Bacterial sepsis of newborn*	50	6.4	-		
	5. *Intracranial nontraumatic haemorrhage of fetus and newborn*	26	3.3	-		
	Keseluruhan sebab *All causes*	**779**		**Keseluruhan sebab** *All causes*	**42**	

Jadual 3.7: Tiga sebab kematian utama neonatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 3.7: Three principal causes of neonatal death (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Johor	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	35	17.5	Sakit jantung kongenital *Congenital heart disease*	1	16.7
	2. *Bacterial sepsis of newborn*	22	11.0	-		
	3. *Cardiovascular disorders originating in the perinatal period*	14	7.0	-		
	Keseluruhan sebab *All causes*	**200**		**Keseluruhan sebab** *All causes*	**6**	
Kedah	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	21	17.6	Sakit jantung kongenital *Congenital heart disease*	2	50.0
	2. *Bacterial sepsis of newborn*	10	8.4	-		
	3. *Cardiovascular disorders originating in the perinatal period*	8	6.7	-		
	Keseluruhan sebab *All causes*	**119**		**Keseluruhan sebab** *All causes*	**4**	
Kelantan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	25	14.7	-		
	2. *Edward's syndrome and Patau's syndrome*	13	7.6	-		
	3. *Cardiovascular disorders originating in the perinatal period*	10	5.9	-		
	Keseluruhan sebab *All causes*	**170**		**Keseluruhan sebab** *All causes*	**3**	
Melaka	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	10	16.9	-		
	2. *Cardiovascular disorders originating in the perinatal period*	8	13.6	-		
	3. *Edward's syndrome and Patau's syndrome*	7	11.9	-		
	Keseluruhan sebab *All causes*	**59**		**Keseluruhan sebab** *All causes*	**1**	

Jadual 3.7: Tiga sebab kematian utama neonatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 3.7: Three principal causes of neonatal death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Negeri Sembilan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	13	18.8	Sakit jantung kongenital *Congenital heart disease*	1	20.0
	2. *Cardiovascular disorders originating in the perinatal period*	6	8.7	Sakit usus *Intestine disease*	1	20.0
	3. *Bacterial sepsis of newborn*	5	7.2	-		
	Keseluruhan sebab *All causes*	**69**		**Keseluruhan sebab** *All causes*	**5**	
Pahang	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	21	17.6	Sakit jantung kongenital *Congenital heart disease*	2	33.3
	2. *Cardiovascular disorders originating in the perinatal period*	8	6.7	-		
	3. *Edward's syndrome and Patau's syndrome*	6	5.0	-		
	Keseluruhan sebab *All causes*	**119**		**Keseluruhan sebab** *All causes*	**6**	
Perak	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	33	23.4	-		
	2. *Cardiovascular disorders originating in the perinatal period*	9	6.4	-		
	3. *Edward's syndrome and Patau's syndrome*	8	5.7	-		
	Keseluruhan sebab *All causes*	**141**		**Keseluruhan sebab** *All causes*	**-**	
Perlis	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	3	15.0	-		
	2. *Edward's syndrome and Patau's syndrome*	2	10.0	-		
	3. *Anencephaly and similar malformations*	1	5.0	-		
	Keseluruhan sebab *All causes*	**20**		**Keseluruhan sebab** *All causes*	**-**	

Jadual 3.7: Tiga sebab kematian utama neonatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 3.7: Three principal causes of neonatal death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Pulau Pinang	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	12	17.4	-		
	2. *Cardiovascular disorders originating in the perinatal period*	6	8.7	-		
	3. *Bacterial sepsis of newborn*	4	5.8	-		
	Keseluruhan sebab *All causes*	**69**		**Keseluruhan sebab** *All causes*	**1**	
Sabah	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	50	29.2	Sakit jantung kongenital *Congenital heart disease*	1	2.0
	2. *Edward's syndrome and Patau's syndrome*	12	7.0	-		
	3. *Cardiovascular disorders originating in the perinatal period*	11	6.4	-		
	Keseluruhan sebab *All causes*	**171**		**Keseluruhan sebab** *All causes*	**50**	
Sarawak	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	26	21.0	-		
	2. *Cardiovascular disorders originating in the perinatal period*	13	10.5	-		
	3. *Bacterial sepsis of newborn*	8	6.5	-		
	Keseluruhan sebab *All causes*	**124**		**Keseluruhan sebab** *All causes*	**9**	
Selangor	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	48	14.1	Sakit jantung kongenital *Congenital heart disease*	6	75.0
	2. *Bacterial sepsis of newborn*	33	9.7	-		
	3. *Cardiovascular disorders originating in the perinatal period*	20	5.9	-		
	Keseluruhan sebab *All causes*	**340**		**Keseluruhan sebab** *All causes*	**8**	

Jadual 3.7: Tiga sebab kematian utama neonatal (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 3.7: Three principal causes of neonatal death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	22	15.0	Sakit jantung kongenital *Congenital heart disease*	1	25.0
	2. *Intracranial nontraumatic haemorrhage of fetus and newborn*	19	12.9	-		
	3. *Edward's syndrome and Patau's syndrome*	13	8.8	-		
	Keseluruhan sebab *All causes*	**147**		**Keseluruhan sebab** *All causes*	**4**	
W.P. Kuala Lumpur	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	18	25.7	Pramatang *Premature*	1	50.0
	2. *Bacterial sepsis of newborn*	8	11.4	Sakit jantung kongenital *Congenital heart disease*	1	50.0
	3. *Cardiovascular disorders originating in the perinatal period*	4	5.7	-		
	Keseluruhan sebab *All causes*	**70**		**Keseluruhan sebab** *All causes*	**2**	
W.P. Labuan	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	3	37.5	-		
	2. *Congenital malformations of cardiac chambers and connections*	1	12.5	-		
	3. *Interstitial emphysema and related conditions originating in the perinatal period*	1	12.5	-		
	Keseluruhan sebab *All causes*	**8**		**Keseluruhan sebab** *All causes*	**-**	
W.P. Putrajaya	1. *Disorders related to short gestation and low birth weight, not elsewhere classified*	6	37.5	-		
	2. *Congenital malformations of the musculoskeletal system, not elsewhere classified*	2	12.5	-		
	3. *Congenital malformations of aortic and mitral valves*	1	6.3	-		
	Keseluruhan sebab *All causes*	**16**		**Keseluruhan sebab** *All causes*	**-**	

KEMATIAN IBU BERSALIN

MATERNAL DEATHS

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Jadual 4.1: Kematian ibu bersalin (bilangan dan nisbah) mengikut negeri, Malaysia, 2023

Table 4.1: Maternal deaths (number and ratio) by state, Malaysia, 2023

	Kematian ibu bersalin *Maternal deaths*	**Nisbah mortaliti ibu bersalin** *Maternal mortality ratio*
MALAYSIA	**117**	**25.7**
Johor	20	35.6
Kedah	13	38.4
Kelantan	11	30.8
Melaka	4	29.4
Negeri Sembilan	3	18.1
Pahang	4	16.6
Perak	6	19.5
Perlis	-	-
Pulau Pinang	4	20.4
Sabah	17	36.6
Sarawak	6	17.7
Selangor	15	16.6
Terengganu	3	11.5
W.P. Kuala Lumpur	8	37.3
W.P. Labuan	-	-
W.P. Putrajaya	3	175.1

Nisbah adalah bagi setiap 100,000 kelahiran hidup

The ratio are per 100,000 live births

Jadual 4.2: Lima sebab kematian utama ibu bersalin (disahkan secara perubatan) Malaysia, 2023

Table 4.2: Five principal causes of maternal deaths (medically certified) Malaysia, 2023

Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*
1. *Ectopic pregnancy*	18	15.4
2. *Obstetric embolism*	17	14.5
3. *Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	15	12.8
4. *Postpartum haemorrhage*	11	9.4
5. *Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium*	9	7.7
Keseluruhan sebab *All causes*	**117**	

Penyusunan sebab kematian ibu bersalin telah dikemaskini berdasarkan pengharmonian data bersama Kementerian Kesihatan Malaysia

The compilation for causes of maternal deaths has been updated based on data harmonisation with Ministry of Health

Jadual 4.3: Tiga sebab kematian utama ibu bersalin (disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 4.3: Three principal causes of maternal deaths (medically certified) by state, Malaysia, 2023

Johor	**Bil.** *No.*	*%*
1. *Ectopic pregnancy*	5	25.0
2. *Obstetric embolism*	3	15.0
3. *Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	2	10.0
Keseluruhan sebab *All causes*	**20**	

Kedah	**Bil.** *No.*	*%*
Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium	4	30.8
Ectopic pregnancy	3	23.1
Postpartum haemorrhage	2	15.4
Keseluruhan sebab *All causes*	**13**	

Kelantan	**Bil.** *No.*	*%*
1. *Ectopic pregnancy*	3	27.3
2. *Postpartum haemorrhage*	2	18.2
3. *Puerperal sepsis*	1	9.1
Keseluruhan sebab *All causes*	**11**	

Melaka	**Bil.** *No.*	*%*
Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium	1	25.0
Ectopic pregnancy	1	25.0
-		
Keseluruhan sebab *All causes*	**4**	

Negeri Sembilan	**Bil.** *No.*	*%*
1. *Obstetric embolism*	1	33.3
2. *Spontaneous abortion*	1	33.3
3. *Venous complications in pregnancy*	1	33.3
Keseluruhan sebab *All causes*	**3**	

Pahang	**Bil.** *No.*	*%*
Obstetric embolism	2	50.0
Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium	1	25.0
-		
Keseluruhan sebab *All causes*	**4**	

Jadual 4.3: Tiga sebab kematian utama ibu bersalin (disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 4.3: Three principal causes of maternal deaths (medically certified) by state, Malaysia, 2023 (cont'd)

	Perak	**Bil.** *No.*	*%*	**Perlis**	**Bil.** *No.*	*%*
1.	*Obstetric embolism*	3	50.0	-		
2.	*Ectopic pregnancy*	1	16.7	-		
3.	-			-		
	Keseluruhan sebab *All causes*	**6**		**Keseluruhan sebab** *All causes*	**-**	
	Pulau Pinang	**Bil.** *No.*	*%*	**Sabah**	**Bil.** *No.*	*%*
1.	*Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	1	25.0	*Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium*	2	11.8
2.	*Gestational [pregnancy-induced] hypertension with significant proteinuria*	1	25.0	*Postpartum haemorrhage*	2	11.8
3.	-			*Ectopic pregnancy*	1	5.9
	Keseluruhan sebab *All causes*	**4**		**Keseluruhan sebab** *All causes*	**17**	
	Sarawak	**Bil.** *No.*	*%*	**Selangor**	**Bil.** *No.*	*%*
1.	*Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	1	16.7	*Obstetric embolism*	4	26.7
2.	*Ectopic pregnancy*	1	16.7	*Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	2	13.3
3.	*Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium*	1	16.7	*Ectopic pregnancy*	2	13.3
	Keseluruhan sebab *All causes*	**6**		**Keseluruhan sebab** *All causes*	**15**	

Jadual 4.3: Tiga sebab kematian utama ibu bersalin (disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 4.3: Three principal causes of maternal deaths (medically certified) by state, Malaysia, 2023 (cont'd)

	Terengganu	**Bil.** *No.*	*%*	**W.P. Kuala Lumpur**	**Bil.** *No.*	*%*
1.	*Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	1	33.3	*Postpartum haemorrhage*	2	25.0
2.	*Obstetric embolism*	1	33.3	*Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	1	12.5
3.	-			*Ectopic pregnancy*	1	12.5
	Keseluruhan sebab *All causes*	**3**		**Keseluruhan sebab** *All causes*	**8**	
	W.P. Labuan	**Bil.** *No.*	*%*	**W.P. Putrajaya**	**Bil.** *No.*	*%*
1.	-			*Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium*	1	33.3
2.	-			*Excessive vomiting in pregnancy*	1	33
3.	-			-		
	Keseluruhan sebab *All causes*	**-**		**Keseluruhan sebab** *All causes*	**3**	

Penyusunan sebab kematian ibu bersalin telah dikemaskini berdasarkan pengharmonian data bersama Kementerian Kesihatan Malaysia

The compilation for causes of maternal deaths has been updated based on data harmonisation with Ministry of Health

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KEMATIAN BAYI
INFANT DEATHS

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Jadual 5.1: Kematian bayi (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 5.1: Infant deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian bayi *Infant deaths*			**Kadar mortaliti bayi** *Infant mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**3,054**	**1,746**	**1,308**	**6.7**	**7.4**	**6.0**
Johor	**341**	190	151	**6.1**	6.5	5.6
Kedah	**200**	108	92	**5.9**	6.1	5.7
Kelantan	**251**	145	106	**7.0**	7.8	6.2
Melaka	**90**	47	43	**6.6**	6.7	6.5
Negeri Sembilan	**115**	69	46	**6.9**	8.1	5.7
Pahang	**198**	114	84	**8.2**	9.1	7.2
Perak	**220**	130	90	**7.2**	8.2	6.0
Perlis	**24**	13	11	**6.2**	6.4	6.0
Pulau Pinang	**110**	57	53	**5.6**	5.6	5.6
Sabah	**382**	215	167	**8.2**	8.9	7.5
Sarawak	**217**	118	99	**6.4**	6.6	6.1
Selangor	**558**	346	212	**6.2**	7.4	4.8
Terengganu	**202**	117	85	**7.7**	8.7	6.7
W.P. Kuala Lumpur	**112**	56	56	**5.2**	5.1	5.3
W.P. Labuan	**10**	4	6	**7.1**	5.6	8.6
W.P. Putrajaya	**24**	17	7	**14.0**	19.0	8.5

Kadar adalah bagi setiap 1,000 kelahiran hidup

The rates are per 1,000 live births

Jadual 5.2: Sepuluh sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 5.2: Ten principal causes of infant death (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Certain conditions originating in the perinatal period*	1,245	44.2	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	70	29.2
2. *Congenital malformations, deformations and chromosomal abnormalities*	866	30.8	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	16	6.7
3. *Pneumonia*	54	1.9	Radang paru-paru *Pneumonia*	5	2.1
4. *Whooping cough*	20	0.7	Anemia *Anaemias*	2	0.8
5. *Meningitis*	17	0.6	Sesak nafas [bagi kematian bayi berumur 28-364 hari] *Difficulty in breathing [Infant death for aged 28-364 days]*	2	0.8
6. *Cerebrovascular diseases*	14	0.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	0.4
7. *Diseases of the liver*	13	0.5	Demam *Fever*	1	0.4
8. *Transport accidents*	12	0.4	Penyakit hati *Liver disease*	1	0.4
9. *Chronic lower respiratory diseases*	10	0.4	Penyakit serebrovaskular *Cerebrovascular diseases*	1	0.4
10. *Diarrhoea and gastroenteritis of presumed infectious origin*	5	0.2	-		
Keseluruhan sebab *All causes*	**2,814**		**Keseluruhan sebab** *All causes*	**240**	

Jadual 5.2: Sepuluh sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 5.2: Ten principal causes of infant death (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Lelaki/ *Male*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Certain conditions originating in the perinatal period*	721	44.7	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	34	25.6
2. *Congenital malformations, deformations and chromosomal abnormalities*	494	30.6	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	6.0
3. *Pneumonia*	24	1.5	Radang paru-paru *Pneumonia*	4	3.0
4. *Cerebrovascular diseases*	11	0.7	Anemia *Anaemias*	2	1.5
5. *Whooping cough*	7	0.4	Sesak nafas [bagi kematian bayi berumur 28-364 hari] *Difficulty in breathing [Infant death for aged 28-364 days]*	2	1.5
6. *Meningitis*	7	0.4	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	0.8
7. *Diseases of the liver*	7	0.4	Demam *Fever*	1	0.8
8. *Transport accidents*	7	0.4	Penyakit hati *Liver disease*	1	0.8
9. *Leukaemia*	5	0.3	Penyakit serebrovaskular *Cerebrovascular diseases*	1	0.8
10. *Chronic lower respiratory diseases*	4	0.2	-		
Keseluruhan sebab *All causes*	**1,613**		**Keseluruhan sebab** *All causes*	**133**	

Jadual 5.2: Sepuluh sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 5.2: Ten principal causes of infant death (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Perempuan/ *Female*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Certain conditions originating in the perinatal period*	524	43.6	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	36	33.6
2. *Congenital malformations, deformations and chromosomal abnormalities*	372	31.0	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	7.5
3. *Pneumonia*	30	2.5	Radang paru-paru *Pneumonia*	1	0.9
4. *Whooping cough*	13	1.1	-		
5. *Meningitis*	10	0.8	-		
6. *Chronic lower respiratory diseases*	6	0.5	-		
7. *Diseases of the liver*	6	0.5	-		
8. *Transport accidents*	5	0.4	-		
9. *Cerebrovascular diseases*	3	0.2	-		
10. *Diarrhoea and gastroenteritis of presumed infectious origin*	2	0.2	-		
Keseluruhan sebab *All causes*	**1,201**		**Keseluruhan sebab** *All causes*	**107**	

Jadual 5.3: Tiga sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 5.3: Three principal causes of infant death (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Certain conditions originating in the perinatal period*	139	43.2	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	13	68.4
	2. *Congenital malformations, deformations and chromosomal abnormalities*	97	30.1	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	5.3
	3. *Pneumonia*	10	3.1	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	5.3
	Keseluruhan sebab *All causes*	**322**		**Keseluruhan sebab** *All causes*	**19**	
Kedah	1. *Certain conditions originating in the perinatal period*	89	46.6	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	6	66.7
	2. *Congenital malformations, deformations and chromosomal abnormalities*	55	28.8	Radang paru-paru *Pneumonia*	1	11.1
	3. *Pneumonia*	6	3.1	-		
	Keseluruhan sebab **All causes**	**191**		**Keseluruhan sebab** *All causes*	**9**	
Kelantan	1. *Certain conditions originating in the perinatal period*	113	46.3	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	28.6
	2. *Congenital malformations, deformations and chromosomal abnormalities*	70	28.7	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	14.3
	3. *Whooping cough*	6	2.5	Radang paru-paru *Pneumonia*	1	14.3
	Keseluruhan sebab **All causes**	**244**		**Keseluruhan sebab** *All causes*	**7**	

Jadual 5.3: Tiga sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 5.3: Three principal causes of infant death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Melaka	1. *Certain conditions originating in the perinatal period*	40	46.0	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	66.7
	2. *Congenital malformations, deformations and chromosomal abnormalities*	25	28.7	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	33.3
	3. *Pneumonia*	3	3.4	-		
	Keseluruhan sebab *All causes*	**87**		**Keseluruhan sebab** *All causes*	**3**	
Negeri Sembilan	1. *Certain conditions originating in the perinatal period*	42	40.0	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	7	70.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	32	30.5	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	10.0
	3. *Pneumonia*	2	1.9	-		
	Keseluruhan sebab *All causes*	**105**		**Keseluruhan sebab** *All causes*	**10**	
Pahang	1. *Certain conditions originating in the perinatal period*	75	39.9	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	7	70.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	65	34.6	-		
	3. *Pneumonia*	5	2.7	-		
	Keseluruhan sebab *All causes*	**188**		**Keseluruhan sebab** *All causes*	**10**	

Jadual 5.3: Tiga sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 5.3: Three principal causes of infant death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Perak	1. *Certain conditions originating in the perinatal period*	91	42.9	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	5	62.5
	2. *Congenital malformations, deformations and chromosomal abnormalities*	69	32.5	Penyakit serebrovaskular *Cerebrovascular diseases*	1	12.5
	3. *Pneumonia*	6	2.8	-		
	Keseluruhan sebab *All causes*	**212**		**Keseluruhan sebab** *All causes*	**8**	
Perlis	1. *Certain conditions originating in the perinatal period*	12	50.0	-		
	2. *Congenital malformations, deformations and chromosomal abnormalities*	9	37.5	-		
	3. -			-		
	Keseluruhan sebab *All causes*	**24**		**Keseluruhan sebab** *All causes*	**-**	
Pulau Pinang	1. *Certain conditions originating in the perinatal period*	46	42.2	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	100.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	34	31.2	-		
	3. *Pneumonia*	3	2.8	-		
	Keseluruhan sebab *All causes*	**109**		**Keseluruhan sebab** *All causes*	**1**	

Jadual 5.3: Tiga sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 5.3: Three principal causes of infant death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Sabah	1. *Certain conditions originating in the perinatal period*	126	44.7	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	2.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	81	28.7	Demam *Fever*	1	1.0
	3. *Pneumonia*	8	2.8	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	1.0
	Keseluruhan sebab *All causes*	**282**		**Keseluruhan sebab** *All causes*	**100**	
Sarawak	1. *Certain conditions originating in the perinatal period*	80	41.9	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	30.8
	2. *Congenital malformations, deformations and chromosomal abnormalities*	66	34.6	-		
	3. *Pneumonia*	3	1.6	-		
	Keseluruhan sebab *All causes*	**191**		**Keseluruhan sebab** *All causes*	**26**	
Selangor	1. *Certain conditions originating in the perinatal period*	229	43.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	18	58.1
	2. *Congenital malformations, deformations and chromosomal abnormalities*	153	29.0	Radang paru-paru *Pneumonia*	3	9.7
	3. *Cerebrovascular diseases*	5	0.9	*Anemia* *Anaemias*	1	3.2
	Keseluruhan sebab *All causes*	**527**		**Keseluruhan sebab** *All causes*	**31**	

Jadual 5.3: Tiga sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 5.3: Three principal causes of infant death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Certain conditions originating in the perinatal period*	103	53.6	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	6	60.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	61	31.8	*Anemia* *Anaemias*	1	10.0
	3. *Diseases of the liver*	2	1.0	-		
	Keseluruhan sebab *All causes*	**192**		**Keseluruhan sebab** *All causes*	**10**	
W.P. Kuala Lumpur	1. *Congenital malformations, deformations and chromosomal abnormalities*	43	40.2	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	20.0
	2. *Certain conditions originating in the perinatal period*	42	39.3	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	1	20.0
	3. *Meningitis*	2	1.9	-		
	Keseluruhan sebab *All causes*	**107**		**Keseluruhan sebab** *All causes*	**5**	
W.P. Labuan	1. *Certain conditions originating in the perinatal period*	7	77.8	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	1	100.0
	2. *Whooping cough*	1	11.1	-		
	3. *Congenital malformations, deformations and chromosomal abnormalities*	1	11.1	-		
	Keseluruhan sebab *All causes*	**9**		**Keseluruhan sebab** *All causes*	**1**	

Jadual 5.3: Tiga sebab kematian utama bayi (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 5.3: Three principal causes of infant death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
W.P. Putrajaya	1. *Certain conditions originating in the perinatal period*	11	45.8	-		
	2. *Congenital malformations, deformations and chromosomal abnormalities*	5	20.8	-		
	3. *Measles*	1	4.2	-		
	Keseluruhan sebab *All causes*	**24**		**Keseluruhan sebab** *All causes*	**-**	

KEMATIAN KANAK-KANAK 1-4 TAHUN

TODDLER DEATHS 1-4 YEARS

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Jadual 6.1: Kematian kanak-kanak 1-4 tahun (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 6.1: Toddler deaths 1-4 years (number and rate) by state and sex, Malaysia, 2023

	Kematian kanak-kanak *Toddler deaths*			**Kadar mortaliti kanak-kanak** *Toddler mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**709**	**404**	**305**	**0.4**	**0.4**	**0.3**
Johor	**71**	43	28	**0.3**	0.4	0.3
Kedah	**49**	26	23	**0.4**	0.4	0.3
Kelantan	**57**	32	25	**0.4**	0.4	0.4
Melaka	**20**	14	6	**0.4**	0.5	0.2
Negeri Sembilan	**33**	23	10	**0.5**	0.8	0.3
Pahang	**35**	20	15	**0.4**	0.4	0.3
Perak	**40**	23	17	**0.3**	0.4	0.3
Perlis	**4**	3	1	**0.2**	0.4	0.1
Pulau Pinang	**24**	14	10	**0.3**	0.3	0.2
Sabah	**112**	64	48	**0.5**	0.5	0.4
Sarawak	**52**	30	22	**0.4**	0.5	0.4
Selangor	**125**	66	59	**0.3**	0.3	0.3
Terengganu	**48**	21	27	**0.5**	0.4	0.6
W.P. Kuala Lumpur	**33**	20	13	**0.4**	0.4	0.3
W.P. Labuan	**3**	3	-	**0.5**	0.9	-
W.P. Putrajaya	**3**	2	1	**0.3**	0.4	0.2

Kadar adalah bagi setiap 1,000 penduduk berumur 1-4 tahun

The rates are per 1,000 population of aged 1-4 years

Jadual 6.2: Sepuluh sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 6.2: Ten principal causes of toddler death 1-4 years (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Congenital malformations, deformations and chromosomal abnormalities*	75	12.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	12	11.2
2. *Transport accidents*	40	6.6	Barah sel darah putih *Leukaemia*	10	9.3
3. *Pneumonia*	36	6.0	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	7	6.5
4. *Influenza*	18	3.0	Mati Lemas *Drowning*	3	2.8
5. *Leukaemia*	16	2.7	Radang paru-paru *Pneumonia*	3	2.8
6. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	10	1.7	Anemia *Anaemias*	2	1.9
7. *Diseases of the liver*	8	1.3	Barah hati *Liver cancer*	2	1.9
8. *Meningitis*	6	1.0	Barah limfoma *Lymphoma*	1	0.9
9. *Cerebrovascular diseases*	6	1.0	Penyakit hati *Liver disease*	1	0.9
10. *Diarrhoea and gastroenteritis of presumed infectious origin*	4	0.7	-		
Keseluruhan sebab *All causes*	**602**		**Keseluruhan sebab** *All causes*	**107**	

Jadual 6.2: Sepuluh sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 6.2: Ten principal causes of toddler death 1-4 years (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Lelaki/ *Male*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Congenital malformations, deformations and chromosomal abnormalities*	43	12.4	Barah sel darah putih *Leukaemia*	5	8.6
2. *Transport accidents*	28	8.1	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	5	8.6
3. *Pneumonia*	24	6.9	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	4	6.9
4. *Leukaemia*	11	3.2	Barah hati *Liver cancer*	2	3.4
5. *Influenza*	6	1.7	Mati lemas *Drowning*	2	3.4
6. *Cerebrovascular diseases*	5	1.4	Anemia *Anaemias*	1	1.7
7. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	4	1.2	Barah limfoma *Lymphoma*	1	1.7
8. *Glomerular and renal tubulo-interstitial diseases*	3	0.9	Radang paru-paru *Pneumonia*	1	1.7
9. *Respiratory tuberculosis*	2	0.6	-		
10. *Meningococcal infection*	2	0.6	-		
Keseluruhan sebab *All causes*	**346**		**Keseluruhan sebab** *All causes*	**58**	

Jadual 6.2: Sepuluh sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 6.2: Ten principal causes of toddler death 1-4 years (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Perempuan/ *Female*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Congenital malformations, deformations and chromosomal abnormalities*	32	12.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	7	14.3
2. *Influenza*	12	4.7	Barah sel darah putih *Leukaemia*	5	10.2
3. *Pneumonia*	12	4.7	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	3	6.1
4. *Transport accidents*	12	4.7	Radang paru-paru *Pneumonia*	2	4.1
5. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	6	2.3	Anemia *Anaemias*	1	2.0
6. *Diseases of the liver*	6	2.3	Mati lemas *Drowning*	1	2.0
7. *Leukaemia*	5	2.0	Penyakit hati *Liver diseases*	1	2.0
8. *Meningitis*	4	1.6	-		
9. *Diarrhoea and gastroenteritis of presumed infectious origin*	3	1.2	-		
10. *Anaemias*	1	0.4	-		
Keseluruhan sebab *All causes*	**256**		**Keseluruhan sebab** *All causes*	**49**	

Jadual 6.3: Tiga sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 6.3: Three principal causes of toddler death 1-4 years (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Transport accidents*	7	11.9	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	3	25.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	6	10.2	Barah limfoma *Lymphoma*	1	8.3
	3. *Leukaemia*	4	6.8	Barah sel darah putih *Leukaemia*	1	8.3
	Keseluruhan sebab *All causes*	**59**		**Keseluruhan sebab** *All causes*	**12**	
Kedah	1. *Congenital malformations, deformations and chromosomal abnormalities*	5	11.6	Anemia *Anaemias*	2	33.3
	2. *Transport accidents*	5	11.6	Radang paru-paru *Pneumonia*	1	16.7
	3. *Pneumonia*	3	7.0	-		
	Keseluruhan sebab *All causes*	**43**		**Keseluruhan sebab** *All causes*	**6**	
Kelantan	1. *Pneumonia*	6	11.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	20.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	5	9.6	Barah sel darah putih *Leukaemia*	1	20.0
	3. *Leukaemia*	2	3.8	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	1	20.0
	Keseluruhan sebab *All causes*	**52**		**Keseluruhan sebab** *All causes*	**5**	

Jadual 6.3: Tiga sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 6.3: Three principal causes of toddler death 1-4 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Melaka	1. *Congenital malformations, deformations and chromosomal abnormalities*	2	11.1	-		
	2. *Cerebrovascular diseases*	1	5.6	-		
	3. *Influenza*	1	5.6	-		
	Keseluruhan sebab *All causes*	**18**		**Keseluruhan sebab** *All causes*	**2**	
Negeri Sembilan	1. *Influenza*	4	13.8	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	25.0
	2. *Transport accidents*	3	10.3	-		
	3. *Congenital malformations, deformations and chromosomal abnormalities*	2	6.9	-		
	Keseluruhan sebab *All causes*	**29**		**Keseluruhan sebab** *All causes*	**4**	
Pahang	1. *Congenital malformations, deformations and chromosomal abnormalities*	6	18.8	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	1	33.3
	2. *Transport accidents*	5	15.6	Mati Lemas Drowning	1	33.3
	3. *Leukaemia*	2	6.3	-		
	Keseluruhan sebab *All causes*	**32**		**Keseluruhan sebab** *All causes*	**3**	

Jadual 6.3: Tiga sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 6.3: Three principal causes of toddler death 1-4 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Perak	1. *Congenital malformations, deformations and chromosomal abnormalities*	4	11.4	Barah sel darah putih *Leukaemia*	2	40.0
	2. *Meningitis*	2	5.7	-		
	3. *Transport accidents*	2	5.7	-		
	Keseluruhan sebab *All causes*	**35**		**Keseluruhan sebab** *All causes*	**5**	
Perlis	1. *Pneumonia*	1	25.0	-		
	2. *Congenital malformations, deformations and chromosomal abnormalities*	1	25.0	-		
	3. -			-		
	Keseluruhan sebab *All causes*	**4**		**Keseluruhan sebab** *All causes*	**-**	
Pulau Pinang	1. *Congenital malformations, deformations and chromosomal abnormalities*	6	27.3	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	2	100.0
	2. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	2	9.1	-		
	3. *Leukaemia*	1	4.5	-		
	Keseluruhan sebab *All causes*	**22**		**Keseluruhan sebab** *All causes*	**2**	

Jadual 6.3: Tiga sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 6.3: Three principal causes of toddler death 1-4 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Sabah	1. *Congenital malformations, deformations and chromosomal abnormalities*	10	11.0	Mati Lemas Drowning	1	4.8
	2. *Pneumonia*	9	9.9	-		
	3. *Leukaemia*	5	5.5	-		
	Keseluruhan sebab *All causes*	**91**		**Keseluruhan sebab** *All causes*	**21**	
Sarawak	1. *Congenital malformations, deformations and chromosomal abnormalities*	6	15.8	-		
	2. *Diseases of the liver*	2	5.3	-		
	3. *Respiratory tuberculosis*	1	2.6	-		
	Keseluruhan sebab *All causes*	**38**		**Keseluruhan sebab** *All causes*	**14**	
Selangor	1. *Congenital malformations, deformations and chromosomal abnormalities*	14	13.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	6	28.6
	2. *Pneumonia*	6	5.8	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	3	14.3
	3. *Transport accidents*	5	4.8	Barah hati *Liver cancer*	1	4.8
	Keseluruhan sebab *All causes*	**104**		**Keseluruhan sebab** *All causes*	**21**	

Jadual 6.3: Tiga sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 6.3: Three principal causes of toddler death 1-4 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Transport accidents*	6	15.0	Barah sel darah putih *Leukaemia*	4	50.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	4	10.0	Penyakit hati *Liver disease*	1	12.5
	3. *Diarrhoea and gastroenteritis of presumed infectious origin*	1	2.5	-		
	Keseluruhan sebab *All causes*	**40**		**Keseluruhan sebab** *All causes*	**8**	
W.P. Kuala Lumpur	1. *Congenital malformations, deformations and chromosomal abnormalities*	4	13.8	Barah hati *Liver cancer*	1	25.0
	2. *Meningococcal infection*	1	3.4	Barah sel darah putih *Leukaemia*	1	25.0
	3. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	1	3.4	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	1	25.0
	Keseluruhan sebab *All causes*	**29**		**Keseluruhan sebab** *All causes*	**4**	
W.P. Labuan	1. *Diarrhoea and gastroenteritis of presumed infectious origin*	1	33.3	-		
	2. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	1	33.3	-		
	3. *Pneumonia*	1	33.3	-		
	Keseluruhan sebab *All causes*	**3**		**Keseluruhan sebab** *All causes*	**-**	

Jadual 6.3: Tiga sebab kematian utama kanak-kanak 1-4 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 6.3: Three principal causes of toddler death 1-4 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	%	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	%
W.P. Putrajaya	1. -			-		
	2. -			-		
	3. -			-		
	Keseluruhan sebab *All causes*	**3**		**Keseluruhan sebab** *All causes*	**-**	

KEMATIAN KURANG DARIPADA 5 TAHUN

UNDER-5 DEATHS

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Jadual 7.1: Kematian kurang daripada 5 tahun (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 7.1: Under-5 deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian kurang daripada 5 tahun *Under-5 deaths*			Kadar mortaliti kurang daripada 5 tahun *Under-5 mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**3,763**	**2,150**	**1,613**	**8.3**	**9.1**	**7.3**
Johor	**412**	233	179	**7.3**	8.0	6.6
Kedah	**249**	134	115	**7.4**	7.6	7.1
Kelantan	**308**	177	131	**8.6**	9.6	7.6
Melaka	**110**	61	49	**8.1**	8.8	7.4
Negeri Sembilan	**148**	92	56	**8.9**	10.7	7.0
Pahang	**233**	134	99	**9.6**	10.7	8.5
Perak	**260**	153	107	**8.5**	9.7	7.2
Perlis	**28**	16	12	**7.2**	7.9	6.5
Pulau Pinang	**134**	71	63	**6.8**	7.0	6.7
Sabah	**494**	279	215	**10.6**	11.5	9.7
Sarawak	**269**	148	121	**7.9**	8.3	7.5
Selangor	**683**	412	271	**7.5**	8.8	6.2
Terengganu	**250**	138	112	**9.6**	10.3	8.8
W.P. Kuala Lumpur	**145**	76	69	**6.8**	7.0	6.6
W.P. Labuan	**13**	7	6	**9.2**	9.9	8.6
W.P. Putrajaya	**27**	19	8	**15.8**	21.3	9.8

Kadar adalah bagi setiap 1,000 kelahiran hidup

The rates are per 1,000 live births

Jadual 7.2: Sepuluh sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 7.2: Ten principal causes of under-5 death (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Certain conditions originating in the perinatal period*	1,245	36.4	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	82	23.6
2. *Congenital malformations, deformations and chromosomal abnormalities*	941	27.5	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	16	4.6
3. *Pneumonia*	90	2.6	Barah sel darah putih *Leukaemia*	10	2.9
4. *Transport accidents*	52	1.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	8	2.3
5. *Meningitis*	23	0.7	Radang paru-paru *Pneumonia*	8	2.3
6. *Leukaemia*	21	0.6	Anemia *Anaemias*	4	1.2
7. *Diseases of the liver*	21	0.6	Mati Lemas *Drowning*	3	0.9
8. *Whooping cough*	20	0.6	Barah hati *Liver cancer*	2	0.6
9. *Cerebrovascular diseases*	20	0.6	Penyakit hati *Liver disease*	2	0.6
10. *Influenza*	20	0.6	Sesak nafas [bagi kematian bayi berumur 28-364 hari] *Difficulty in breathing [Infant death for aged 28-364 days]*	2	0.6
Keseluruhan sebab *All causes*	**3,416**		**Keseluruhan sebab** *All causes*	**347**	

Jadual 7.2: Sepuluh sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 7.2: Ten principal causes of under-5 death (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Lelaki/ *Male*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Certain conditions originating in the perinatal period*	721	36.8	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	39	20.4
2. *Congenital malformations, deformations and chromosomal abnormalities*	537	27.4	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	4.2
3. *Pneumonia*	48	2.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	5	2.6
4. *Transport accidents*	35	1.8	Barah sel darah putih *Leukaemia*	5	2.6
5. *Leukaemia*	16	0.8	Radang paru-paru *Pneumonia*	5	2.6
6. *Cerebrovascular diseases*	16	0.8	Anemia *Anaemias*	3	1.6
7. *Meningitis*	9	0.5	Barah hati *Liver cancer*	2	1.0
8. *Diseases of the liver*	9	0.5	Mati Lemas *Drowning*	2	1.0
9. *Whooping cough*	7	0.4	Sesak nafas [bagi kematian bayi berumur 28-364 hari] *Difficulty in breathing [Infant death for aged 28-364 days]*	2	1.0
10. *Influenza*	6	0.3	Barah limfoma *Lymphoma*	1	0.5
Keseluruhan sebab *All causes*	**1,959**		**Keseluruhan sebab** *All causes*	**191**	

Jadual 7.2: Sepuluh sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 7.2: Ten principal causes of under-5 death (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Perempuan/ *Female*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Certain conditions originating in the perinatal period*	524	36.0	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	43	27.6
2. *Congenital malformations, deformations and chromosomal abnormalities*	404	27.7	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	5.1
3. *Pneumonia*	42	2.9	Barah sel darah putih *Leukaemia*	5	3.2
4. *Transport accidents*	17	1.2	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	3	1.9
5. *Meningitis*	14	1.0	Radang paru-paru *Pneumonia*	3	1.9
6. *Influenza*	14	1.0	Anemia *Anaemias*	1	0.6
7. *Whooping cough*	13	0.9	Mati Lemas *Drowning*	1	0.6
8. *Diseases of the liver*	12	0.8	Penyakit hati *Liver disease*	1	0.6
9. *Chronic lower respiratory diseases*	7	0.5	-		
10. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	6	0.4	-		
Keseluruhan sebab *All causes*	**1,457**		**Keseluruhan sebab** *All causes*	**156**	

Jadual 7.3: Tiga sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 7.3: Three principal causes of under-5 death (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Certain conditions originating in the perinatal period*	139	36.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	16	51.6
	2. *Congenital malformations, deformations and chromosomal abnormalities*	103	27.0	Barah limfoma *Lymphoma*	1	3.2
	3. *Pneumonia*	14	3.7	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	3.2
	Keseluruhan sebab *All causes*	**381**		**Keseluruhan sebab** *All causes*	**31**	
Kedah	1. *Certain conditions originating in the perinatal period*	89	38.0	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	6	40.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	60	25.6	Anemia *Anaemias*	2	13.3
	3. *Pneumonia*	9	3.8	Radang paru-paru *Pneumonia*	2	13.3
	Keseluruhan sebab *All causes*	**234**		**Keseluruhan sebab** *All causes*	**15**	
Kelantan	1. *Certain conditions originating in the perinatal period*	113	38.2	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	3	25.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	75	25.3	Radang paru-paru *Pneumonia*	2	16.7
	3. *Pneumonia*	8	2.7	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	8.3
	Keseluruhan sebab *All causes*	**296**		**Keseluruhan sebab** *All causes*	**12**	

Jadual 7.3: Tiga sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 7.3: Three principal causes of under-5 death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Melaka	1. *Certain conditions originating in the perinatal period*	40	38.1	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	40.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	27	25.7	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	20.0
	3. *Pneumonia*	4	3.8	-		
	Keseluruhan sebab *All causes*	**105**		**Keseluruhan sebab** *All causes*	**5**	
Negeri Sembilan	1. *Certain conditions originating in the perinatal period*	42	31.3	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	7	50.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	34	25.4	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	7.1
	3. *Influenza*	4	3.0	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	7.1
	Keseluruhan sebab *All causes*	**134**		**Keseluruhan sebab** *All causes*	**14**	
Pahang	1. *Certain conditions originating in the perinatal period*	75	34.1	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	8	61.5
	2. *Congenital malformations, deformations and chromosomal abnormalities*	71	32.3	Mati Lemas *Drowning*	1	7.7
	3. *Pneumonia*	6	2.7	-		
	Keseluruhan sebab *All causes*	**220**		**Keseluruhan sebab** *All causes*	**13**	

Jadual 7.3: Tiga sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 7.3: Three principal causes of under-5 death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Perak	1. *Certain conditions originating in the perinatal period*	91	36.8	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	5	38.5
	2. *Congenital malformations, deformations and chromosomal abnormalities*	73	29.6	Barah sel darah putih *Leukaemia*	2	15.4
	3. *Pneumonia*	6	2.4	Penyakit serebrovaskular *Cerebrovascular diseases*	1	7.7
	Keseluruhan sebab *All causes*	**247**		**Keseluruhan sebab** *All causes*	**13**	
Perlis	1. *Certain conditions originating in the perinatal period*	12	42.9	-		
	2. *Congenital malformations, deformations and chromosomal abnormalities*	10	35.7	-		
	3. *Pneumonia*	1	3.6	-		
	Keseluruhan sebab *All causes*	**28**		**Keseluruhan sebab** *All causes*	**-**	
Pulau Pinang	1. *Certain conditions originating in the perinatal period*	46	35.1	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	2	66.7
	2. *Congenital malformations, deformations and chromosomal abnormalities*	40	30.5	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	33.3
	3. *Pneumonia*	3	2.3	-		
	Keseluruhan sebab *All causes*	**131**		**Keseluruhan sebab** *All causes*	**3**	

Jadual 7.3: Tiga sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 7.3: Three principal causes of under-5 death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Sabah	1. *Certain conditions originating in the perinatal period*	126	33.8	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	1.7
	2. *Congenital malformations, deformations and chromosomal abnormalities*	91	24.4	Demam *Fever*	1	0.8
	3. *Pneumonia*	17	4.6	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	0.8
	Keseluruhan sebab *All causes*	**373**		**Keseluruhan sebab** *All causes*	**121**	
Sarawak	1. *Certain conditions originating in the perinatal period*	80	34.9	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	20.0
	2. *Congenital malformations, deformations and chromosomal abnormalities*	72	31.4	-		
	3. *Pneumonia*	4	1.7	-		
	Keseluruhan sebab *All causes*	**229**		**Keseluruhan sebab** *All causes*	**40**	
Selangor	1. *Certain conditions originating in the perinatal period*	229	36.3	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	24	46.2
	2. *Congenital malformations, deformations and chromosomal abnormalities*	167	26.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	3	5.8
	3. *Pneumonia*	11	1.7	Radang paru-paru *Pneumonia*	3	5.8
	Keseluruhan sebab *All causes*	**631**		**Keseluruhan sebab** *All causes*	**52**	

Jadual 7.3: Tiga sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 7.3: Three principal causes of under-5 death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Certain conditions originating in the perinatal period*	103	44.4	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	6	33.3
	2. *Congenital malformations, deformations and chromosomal abnormalities*	65	28.0	Barah sel darah putih *Leukaemia*	4	22.2
	3. *Transport accidents*	8	3.4	Anemia *Anaemias*	1	5.6
	Keseluruhan sebab *All causes*	**232**		**Keseluruhan sebab** *All causes*	**18**	
W.P. Kuala Lumpur	1. *Congenital malformations, deformations and chromosomal abnormalities*	47	34.6	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	22.2
	2. *Certain conditions originating in the perinatal period*	42	30.9	Barah hati *Liver cancer*	1	11.1
	3. *Meningitis*	2	1.5	Barah sel darah putih *Leukaemia*	1	11.1
	Keseluruhan sebab *All causes*	**136**		**Keseluruhan sebab** *All causes*	**9**	
W.P. Labuan	1. *Certain conditions originating in the perinatal period*	7	58.3	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	1	100.0
	2. *Diarrhoea and gastroenteritis of presumed infectious origin*	1	8.3	-		
	3. *Whooping cough*	1	8.3	-		
	Keseluruhan sebab *All causes*	**12**		**Keseluruhan sebab** *All causes*	**1**	

Jadual 7.3: Tiga sebab kematian utama kurang daripada 5 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 7.3: Three principal causes of under-5 death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
W.P. Putrajaya	1. *Certain conditions originating in the perinatal period*	11	40.7	-		
	2. *Congenital malformations, deformations and chromosomal abnormalities*	5	18.5	-		
	3. *Measles*	1	3.7	-		
	Keseluruhan sebab *All causes*	**27**		**Keseluruhan sebab** *All causes*	**-**	

KEMATIAN PENDUDUK BERUMUR 0-14 TAHUN

DEATHS OF POPULATION AGED 0-14 YEARS

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Jadual 8.1: Kematian penduduk berumur 0-14 tahun (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 8.1: Deaths of population aged 0-14 years (number and rate) by state and sex, Malaysia, 2023

	Kematian penduduk berumur 0-14 tahun *Deaths of population aged 0-14 years*			**Kadar mortaliti penduduk berumur 0-14 tahun** *Mortality rate of population aged 0-14 years*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**4,933**	**2,896**	**2,037**	**0.7**	**0.7**	**0.6**
Johor	**565**	333	232	**0.6**	0.7	0.5
Kedah	**344**	195	149	**0.6**	0.7	0.6
Kelantan	**407**	245	162	**0.8**	0.9	0.6
Melaka	**137**	78	59	**0.6**	0.6	0.5
Negeri Sembilan	**184**	115	69	**0.6**	0.8	0.5
Pahang	**302**	183	119	**0.7**	0.9	0.6
Perak	**336**	201	135	**0.6**	0.7	0.5
Perlis	**40**	22	18	**0.7**	0.7	0.7
Pulau Pinang	**179**	102	77	**0.5**	0.6	0.5
Sabah	**635**	372	263	**0.7**	0.8	0.6
Sarawak	**377**	222	155	**0.7**	0.8	0.6
Selangor	**886**	525	361	**0.6**	0.7	0.5
Terengganu	**307**	173	134	**0.9**	1.0	0.8
W.P. Kuala Lumpur	**186**	97	89	**0.5**	0.5	0.5
W.P. Labuan	**16**	9	7	**0.6**	0.6	0.6
W.P. Putrajaya	**32**	24	8	**0.7**	1.1	0.4

Kadar adalah bagi setiap 1,000 penduduk berumur 0-14 tahun

The rates are per 1,000 population of aged 0-14 years

Jadual 8.2: Sepuluh sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 8.2: Ten principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Transport accidents*	162	3.7	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	91	15.8
2. *Pneumonia*	139	3.2	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	19	3.3
3. *Leukaemia*	64	1.5	Barah sel darah putih *Leukaemia*	18	3.1
4. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	47	1.1	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	16	2.8
5. *Cerebrovascular diseases*	34	0.8	Lelah *Asthma*	11	1.9
6. *Influenza*	31	0.7	Radang paru-paru *Pneumonia*	11	1.9
7. *Meningitis*	27	0.6	Mati Lemas *Drowning*	10	1.7
8. *Diseases of the liver*	27	0.6	Demam *Fever*	6	1.0
9. *Chronic lower respiratory diseases*	22	0.5	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	5	0.9
10. *Whooping cough*	20	0.5	Anemia *Anaemias*	4	0.7
Keseluruhan sebab *All causes*	**4,356**		**Keseluruhan sebab** *All causes*	**577**	

Jadual 8.2: Sepuluh sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 8.2: Ten principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Lelaki/ *Male*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Transport accidents*	119	4.6	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	44	13.3
2. *Pneumonia*	78	3.0	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	10	3.0
3. *Leukaemia*	49	1.9	Barah sel darah putih *Leukaemia*	8	2.4
4. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	30	1.2	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	2.4
5. *Cerebrovascular diseases*	24	0.9	Mati Lemas *Drowning*	7	2.1
6. *Diseases of the liver*	14	0.5	Radang paru-paru *Pneumonia*	6	1.8
7. *Influenza*	13	0.5	Lelah *Asthma*	5	1.5
8. *Meningitis*	11	0.4	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	5	1.5
9. *Chronic lower respiratory diseases*	11	0.4	Anemia *Anaemias*	3	0.9
10. *Non-Hodgkins lymphoma*	8	0.3	Demam *Fever*	3	0.9
Keseluruhan sebab *All causes*	**2,566**		**Keseluruhan sebab** *All causes*	**330**	

Jadual 8.2: Sepuluh sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 8.2: Ten principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

Perempuan/ *Female*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	61	3.4	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	47	19.0
2. *Transport accidents*	43	2.4	Barah sel darah putih *Leukaemia*	10	4.0
3. *Influenza*	18	1.0	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	9	3.6
4. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	17	0.9	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	3.2
5. *Meningitis*	16	0.9	Lelah *Asthma*	6	2.4
6. *Leukaemia*	15	0.8	Radang paru-paru *Pneumonia*	5	2.0
7. *Whooping cough*	13	0.7	Demam *Fever*	3	1.2
8. *Diseases of the liver*	13	0.7	Mati Lemas *Drowning*	3	1.2
9. *Chronic lower respiratory diseases*	11	0.6	Anemia *Anaemias*	1	0.4
10. *Cerebrovascular diseases*	10	0.6	Barah limfoma *Lymphoma*	1	0.4
Keseluruhan sebab *All causes*	**1,790**		**Keseluruhan sebab** *All causes*	**247**	

Jadual 8.3: Tiga sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 8.3: Three principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Pneumonia*	24	4.8	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	17	27.9
	2. *Transport accidents*	22	4.4	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	5	8.2
	3. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	10	2.0	Barah sel darah putih *Leukaemia*	2	3.3
	Keseluruhan sebab *All causes*	**504**		**Keseluruhan sebab** *All causes*	**61**	
Kedah	1. *Transport accidents*	21	6.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	6	26.1
	2. *Pneumonia*	17	5.3	Lelah *Asthma*	3	13.0
	3. *Leukaemia*	5	1.6	Anemia *Anaemias*	2	8.7
	Keseluruhan sebab *All causes*	**321**		**Keseluruhan sebab** *All causes*	**23**	
Kelantan	1. *Pneumonia*	11	3.0	Barah sel darah putih *Leukaemia*	4	10.5
	2. *Transport accidents*	9	2.4	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	3	7.9
	3. *Leukaemia*	8	2.2	Radang paru-paru *Pneumonia*	3	7.9
	Keseluruhan sebab *All causes*	**369**		**Keseluruhan sebab** *All causes*	**38**	

Jadual 8.3: Tiga sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 8.3: Three principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Melaka	1. *Pneumonia*	5	4.0	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	4	33.3
	2. *Transport accidents*	4	3.2	Barah sel darah putih *Leukaemia*	1	8.3
	3. *Leukaemia*	2	1.6	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	8.3
	Keseluruhan sebab *All causes*	**125**		**Keseluruhan sebab** *All causes*	**12**	
Negeri Sembilan	1. *Transport accidents*	8	4.7	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	7	46.7
	2. *Influenza*	5	3.0	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	6.7
	3. *Pneumonia*	3	1.8	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	6.7
	Keseluruhan sebab *All causes*	**169**		**Keseluruhan sebab** *All causes*	**15**	
Pahang	1. *Transport accidents*	18	6.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	8	32.0
	2. *Pneumonia*	6	2.2	Mati lemas *Drowning*	4	16.0
	3. *Whooping cough*	3	1.1	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	2	8.0
	Keseluruhan sebab *All causes*	**277**		**Keseluruhan sebab** *All causes*	**25**	

Jadual 8.3: Tiga sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 8.3: Three principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Perak	1. *Transport accidents*	11	3.5	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	6	26.1
	2. *Pneumonia*	9	2.9	Barah sel darah putih *Leukaemia*	4	17.4
	3. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	6	1.9	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	4.3
	Keseluruhan sebab *All causes*	**313**		**Keseluruhan sebab** *All causes*	**23**	
Perlis	1. *Transport accidents*	2	5.7	Lelah *Asthma*	1	20.0
	2. *Pneumonia*	1	2.9	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	1	20.0
	3. -			-		
	Keseluruhan sebab *All causes*	**35**		**Keseluruhan sebab** *All causes*	**5**	
Pulau Pinang	1. *Transport accidents*	7	4.1	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	2	22.2
	2. *Pneumonia*	6	3.5	Demam *Fever*	2	22.2
	3. *Leukaemia*	4	2.4	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	1	11.1
	Keseluruhan sebab *All causes*	**170**		**Keseluruhan sebab** *All causes*	**9**	

Jadual 8.3: Tiga sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 8.3: Three principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Sabah	1. *Pneumonia*	24	4.9	Demam *Fever*	2	1.4
	2. *Transport accidents*	13	2.7	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	1.4
	3. *Meningitis*	10	2.0	Mati Lemas *Drowning*	2	1.4
	Keseluruhan sebab *All causes*	**488**		**Keseluruhan sebab** *All causes*	**147**	
Sarawak	1. *Pneumonia*	6	2.0	Keadaan tertentu berpunca dalam tempoh perinatal *Certain conditions originating in the perinatal period*	8	9.5
	2. *Chronic lower respiratory diseases*	4	1.4	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1	1.2
	3. *Leukaemia*	3	1.0	-		
	Keseluruhan sebab *All causes*	**293**		**Keseluruhan sebab** *All causes*	**84**	
Selangor	1. *Transport accidents*	24	3.0	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	27	29.3
	2. *Pneumonia*	19	2.4	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	7	7.6
	3. *Leukaemia*	12	1.5	Radang paru-paru *Pneumonia*	3	3.3
	Keseluruhan sebab *All causes*	**794**		**Keseluruhan sebab** *All causes*	**92**	

Jadual 8.3: Tiga sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 8.3: Three principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Terengganu	1. *Transport accidents*	14	5.0	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	7	24.1
	2. *Leukaemia*	4	1.4	Barah sel darah putih *Leukaemia*	5	17.2
	3. *Pneumonia*	4	1.4	Anemia *Anaemias*	1	3.4
	Keseluruhan sebab *All causes*	**278**		**Keseluruhan sebab** *All causes*	**29**	
W.P. Kuala Lumpur	1. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	6	3.4	Lelah *Asthma*	2	16.7
	2. *Transport accidents*	4	2.3	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	2	16.7
	3. *Intentional self-harm*	4	2.3	Barah hati *Liver cancer*	1	8.3
	Keseluruhan sebab *All causes*	**174**		**Keseluruhan sebab** *All causes*	**12**	
W.P. Labuan	1. *Diarrhoea and gastroenteritis of presumed infectious origin*	1	7.1	Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir *Congenital malformations, deformations and chromosomal abnormalities*	1	50.0
	2. *Whooping cough*	1	7.1	Mati lemas *Drowning*	1	50.0
	3. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	1	7.1	-		
	Keseluruhan sebab *All causes*	**14**		**Keseluruhan sebab** *All causes*	**2**	

Jadual 8.3: Tiga sebab kematian utama penduduk berumur 0-14 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 8.3: Three principal causes of death of population aged 0-14 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
W.P. Putrajaya	1. *Measles*	1	3.1	-		
	2. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	1	3.1	-		
	3. *Transport accidents*	1	3.1	-		
	Keseluruhan sebab *All causes*	**32**		**Keseluruhan sebab** *All causes*	**-**	

KEMATIAN PENDUDUK BERUMUR 15-40 TAHUN

DEATHS OF POPULATION AGED 15-40 YEARS

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Jadual 9.1: Kematian penduduk berumur 15-40 tahun (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 9.1: Deaths of population aged 15-40 years (number and rate) by state and sex, Malaysia, 2023

	Kematian penduduk berumur 15-40 tahun *Deaths of population aged 15-40 years*			Kadar mortaliti penduduk berumur 15-40 tahun *Mortality rate of population aged 15-40 years*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**14,600**	**10,346**	**4,254**	**1.0**	**1.3**	**0.6**
Johor	**1,848**	1,304	544	**1.0**	1.3	0.7
Kedah	**1,252**	877	375	**1.3**	1.8	0.8
Kelantan	**983**	669	314	**1.2**	1.6	0.8
Melaka	**416**	309	107	**0.9**	1.2	0.5
Negeri Sembilan	**610**	450	160	**1.1**	1.6	0.6
Pahang	**900**	626	274	**1.2**	1.6	0.9
Perak	**1,281**	912	369	**1.2**	1.5	0.8
Perlis	**175**	115	60	**1.3**	1.6	0.9
Pulau Pinang	**663**	482	181	**0.8**	1.2	0.5
Sabah	**1,265**	841	424	**0.7**	0.9	0.5
Sarawak	**1,357**	987	370	**1.2**	1.7	0.7
Selangor	**2,543**	1,852	691	**0.8**	1.1	0.5
Terengganu	**625**	451	174	**1.2**	1.6	0.7
W.P. Kuala Lumpur	**622**	435	187	**0.7**	0.9	0.4
W.P. Labuan	**30**	18	12	**0.7**	0.8	0.5
W.P. Putrajaya	**30**	18	12	**0.6**	0.8	0.5

Kadar adalah bagi setiap 1,000 penduduk berumur 15-40 tahun

The rates are per 1,000 population of aged 15-40 years

Jadual 9.2: Sepuluh sebab kematian utama penduduk berumur 15-40 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 9.2: Ten principal causes of death of population aged 15-40 years (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Transport accidents*	2,435	20.1	Kencing manis *Diabetes mellitus*	88	3.5
2. *Ischaemic heart diseases*	999	8.3	Darah tinggi *Hypertension*	82	3.3
3. *Pneumonia*	866	7.2	Penyakit jantung iskemia *Ischaemic heart diseases*	70	2.8
4. *Intentional self-harm*	607	5.0	Penyakit serebrovaskular *Cerebrovascular diseases*	65	2.6
5. *Cerebrovascular diseases*	438	3.6	Lelah *Asthma*	62	2.5
6. *Respiratory tuberculosis*	141	1.2	Barah payudara *Breast cancer*	61	2.4
7. *Malignant neoplasm of breast*	141	1.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	45	1.8
8. *Leukaemia*	140	1.2	Radang paru-paru *Pneumonia*	44	1.8
9. *Malignant neoplasm of colon, rectum and anus*	123	1.0	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	38	1.5
10. *Diseases of the liver*	115	1.0	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	27	1.1
Keseluruhan sebab *All causes*	**12,099**		**Keseluruhan sebab** *All causes*	**2,501**	

Jadual 9.2: Sepuluh sebab kematian utama penduduk berumur 15-40 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 9.2: Ten principal causes of death of population aged 15-40 years (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Transport accidents*	2,178	25.1	Kencing manis *Diabetes mellitus*	63	3.8
	2. *Ischaemic heart diseases*	860	9.9	Darah tinggi *Hypertension*	59	3.6
	3. *Pneumonia*	562	6.5	Penyakit jantung iskemia *Ischaemic heart diseases*	54	3.3
	4. *Intentional self-harm*	508	5.8	Penyakit serebrovaskular *Cerebrovascular diseases*	43	2.6
	5. *Cerebrovascular diseases*	297	3.4	Lelah *Asthma*	34	2.1
	6. *Diseases of the liver*	94	1.1	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	33	2.0
	7. *Respiratory tuberculosis*	91	1.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	26	1.6
	8. *Leukaemia*	85	1.0	Radang paru-paru *Pneumonia*	26	1.6
	9. *Hypertensive diseases*	66	0.8	Barah hati *Liver cancer*	17	1.0
	10. *Malignant neoplasm of colon, rectum and anus*	63	0.7	Barah sel darah putih *Leukaemia*	15	0.9
	Keseluruhan sebab *All causes*	**8,691**		**Keseluruhan sebab** *All causes*	**1,655**	
Perempuan/ *Female*	1. *Pneumonia*	304	8.9	Barah payudara *Breast cancer*	61	7.2
	2. *Transport accidents*	257	7.5	Lelah *Asthma*	28	3.3
	3. *Malignant neoplasm of breast*	141	4.1	Kencing manis *Diabetes mellitus*	25	3.0
	4. *Cerebrovascular diseases*	141	4.1	Darah tinggi *Hypertension*	23	2.7
	5. *Ischaemic heart diseases*	139	4.1	Penyakit serebrovaskular *Cerebrovascular diseases*	22	2.6
	6. *Intentional self-harm*	99	2.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	19	2.2
	7. *Malignant neoplasm of colon, rectum and anus*	60	1.8	Radang paru-paru *Pneumonia*	18	2.1
	8. *Leukaemia*	55	1.6	Penyakit jantung iskemia *Ischaemic heart diseases*	16	1.9
	9. *Respiratory tuberculosis*	50	1.5	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	15	1.8
	10. *Malignant neoplasm of ovary*	44	1.3	Barah rahim *Uterus cancer*	15	1.8
	Keseluruhan sebab *All causes*	**3,408**		**Keseluruhan sebab** *All causes*	**846**	

Jadual 9.3: Tiga sebab kematian utama penduduk berumur 15-40 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 9.3: Three principal causes of death of population aged 15-40 years (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Transport accidents*	353	22.1	Darah tinggi *Hypertension*	16	6.4
	2. *Ischaemic heart diseases*	139	8.7	Penyakit jantung iskemia *Ischaemic heart diseases*	11	4.4
	3. *Pneumonia*	116	7.3	Asma *Asthma*	10	4.0
	Keseluruhan sebab *All causes*	**1,598**		**Keseluruhan sebab** *All causes*	**250**	
Kedah	1. *Transport accidents*	245	22.1	Kencing manis *Diabetes mellitus*	9	6.4
	2. *Pneumonia*	120	10.8	Barah payudara *Breast cancer*	7	5.0
	3. *Ischaemic heart diseases*	79	7.1	Darah tinggi *Hypertension*	7	5.0
	Keseluruhan sebab *All causes*	**1,111**		**Keseluruhan sebab** *All causes*	**141**	
Kelantan	1. *Transport accidents*	133	16.4	Penyakit jantung iskemia *Ischaemic heart diseases*	9	5.2
	2. *Pneumonia*	79	9.8	Lelah *Asthma*	8	4.6
	3. *Ischaemic heart diseases*	75	9.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	7	4.0
	Keseluruhan sebab *All causes*	**810**		**Keseluruhan sebab** *All causes*	**173**	
Melaka	1. *Transport accidents*	98	27.6	Kencing manis *Diabetes mellitus*	10	16.4
	2. *Ischaemic heart diseases*	25	7.0	Darah tinggi *Hypertension*	3	4.9
	3. *Intentional self-harm*	18	5.1	Penyakit jantung iskemia *Ischaemic heart diseases*	3	4.9
	Keseluruhan sebab *All causes*	**355**		**Keseluruhan sebab** *All causes*	**61**	

Jadual 9.3: Tiga sebab kematian utama penduduk berumur 15-40 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 9.3: Three principal causes of death of population aged 15-40 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Negeri Sembilan	1. *Transport accidents*	144	26.6	Darah tinggi *Hypertension*	4	5.8
	2. *Ischaemic heart diseases*	53	9.8	Barah payudara *Breast cancer*	3	4.3
	3. *Pneumonia*	23	4.3	Penyakit jantung iskemia *Ischaemic heart diseases*	3	4.3
	Keseluruhan sebab *All causes*	**541**		**Keseluruhan sebab** *All causes*	**69**	
Pahang	1. *Transport accidents*	177	24.5	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	9	5.1
	2. *Pneumonia*	58	8.0	Lelah *Asthma*	8	4.5
	3. *Ischaemic heart diseases*	52	7.2	Kencing manis *Diabetes mellitus*	8	4.5
	Keseluruhan sebab *All causes*	**722**		**Keseluruhan sebab** *All causes*	**178**	
Perak	1. *Transport accidents*	220	19.1	Darah tinggi *Hypertension*	7	5.3
	2. *Ischaemic heart diseases*	98	8.5	Kencing manis *Diabetes mellitus*	6	4.5
	3. *Pneumonia*	78	6.8	Penyakit serebrovaskular *Cerebrovascular diseases*	6	4.5
	Keseluruhan sebab *All causes*	**1,149**		**Keseluruhan sebab** *All causes*	**132**	
Perlis	1. *Transport accidents*	28	20.3	Penyakit jantung iskemia *Ischaemic heart diseases*	8	21.6
	2. *Pneumonia*	16	11.6	Darah tinggi *Hypertension*	3	8.1
	3. *Ischaemic heart diseases*	15	10.9	Lelah *Asthma*	2	5.4
	Keseluruhan sebab *All causes*	**138**		**Keseluruhan sebab** *All causes*	**37**	

Jadual 9.3: Tiga sebab kematian utama penduduk berumur 15-40 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 9.3: Three principal causes of death of population aged 15-40 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Pulau Pinang	1. *Transport accidents*	147	23.9	Barah otak dan lain-lain barah sistem saraf pusat *Brain and other nervous system cancer*	3	6.4
	2. *Ischaemic heart diseases*	50	8.1	Barah payudara *Breast cancer*	3	6.4
	3. *Intentional self-harm*	49	8.0	Darah tinggi *Hypertension*	3	6.4
	Keseluruhan sebab *All causes*	**616**		**Keseluruhan sebab** *All causes*	**47**	
Sabah	1. *Transport accidents*	108	11.9	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	9	2.5
	2. *Pneumonia*	74	8.1	Penyakit serebrovaskular *Cerebrovascular diseases*	8	2.3
	3. *Cerebrovascular diseases*	40	4.4	Demam *Fever*	7	2.0
	Keseluruhan sebab *All causes*	**910**		**Keseluruhan sebab** *All causes*	**355**	
Sarawak	1. *Transport accidents*	83	10.4	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	3	0.5
	2. *Pneumonia*	41	5.2	Mati Lemas *Drowning*	2	0.4
	3. *Ischaemic heart diseases*	40	5.0	Penyakit serebrovaskular *Cerebrovascular diseases*	1	0.2
	Keseluruhan sebab *All causes*	**795**		**Keseluruhan sebab** *All causes*	**562**	
Selangor	1. *Transport accidents*	469	21.2	Kencing manis *Diabetes mellitus*	24	7.2
	2. *Ischaemic heart diseases*	217	9.8	Darah tinggi *Hypertension*	19	5.7
	3. *Intentional self-harm*	203	9.2	Lelah *Asthma*	15	4.5
	Keseluruhan sebab *All causes*	**2,211**		**Keseluruhan sebab** *All causes*	**332**	

Jadual 9.3: Tiga sebab kematian utama penduduk berumur 15-40 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 9.3: Three principal causes of death of population aged 15-40 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Transport accidents*	124	23.5	Penyakit jantung iskemia *Ischaemic heart diseases*	7	7.1
	2. *Ischaemic heart diseases*	55	10.4	Barah payudara *Breast cancer*	6	6.1
	3. *Pneumonia*	48	9.1	Kencing manis *Diabetes mellitus*	4	4.1
	Keseluruhan sebab *All causes*	**527**		**Keseluruhan sebab** *All causes*	**98**	
W.P. Kuala Lumpur	1. *Transport accidents*	97	17.1	Kencing manis *Diabetes mellitus*	5	8.9
	2. *Ischaemic heart diseases*	65	11.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	4	7.1
	3. *Intentional self-harm*	55	9.7	Penyakit jantung iskemia *Ischaemic heart diseases*	4	7.1
	Keseluruhan sebab *All causes*	**566**		**Keseluruhan sebab** *All causes*	**56**	
W.P. Labuan	1. *Pneumonia*	2	8.7	-		
	2. *Transport accidents*	2	8.7	-		
	3. *Malignant neoplasm of colon, rectum and anus*	1	4.3	-		
	Keseluruhan sebab *All causes*	**23**		**Keseluruhan sebab** *All causes*	**7**	
W.P. Putrajaya	1. *Transport accidents*	7	25.9	-		
	2. *Pneumonia*	3	11.1	-		
	3. *Hypertensive diseases*	2	7.4	-		
	Keseluruhan sebab *All causes*	**27**		**Keseluruhan sebab** *All causes*	**3**	

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KEMATIAN PENDUDUK BERUMUR 41-59 TAHUN

DEATHS OF POPULATION AGED 41-59 YEARS

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Jadual 10.1: Kematian penduduk berumur 41-59 tahun (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 10.1: Deaths of population aged 41-59 years (number and rate) by state and sex, Malaysia, 2023

	Kematian penduduk berumur 41-59 tahun *Deaths of population aged 41-59 years*			Kadar mortaliti penduduk berumur 41-59 tahun *Mortality rate of population aged 41-59 years*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**39,767**	**25,930**	**13,837**	**5.6**	**7.1**	**4.1**
Johor	**5,106**	3,337	1,769	**5.8**	7.2	4.2
Kedah	**3,326**	2,073	1,253	**7.9**	10.0	5.8
Kelantan	**2,362**	1,473	889	**7.3**	9.4	5.4
Melaka	**1,158**	761	397	**5.5**	7.3	3.8
Negeri Sembilan	**1,557**	1,008	549	**6.3**	8.2	4.5
Pahang	**2,234**	1,421	813	**6.5**	7.9	4.9
Perak	**3,764**	2,495	1,269	**7.0**	9.2	4.7
Perlis	**365**	226	139	**5.7**	7.5	4.2
Pulau Pinang	**2,200**	1,443	757	**5.2**	6.7	3.6
Sabah	**3,614**	2,319	1,295	**6.0**	7.4	4.5
Sarawak	**3,281**	2,135	1,146	**5.8**	7.5	4.1
Selangor	**7,200**	4,880	2,320	**4.4**	5.6	3.0
Terengganu	**1,685**	1,066	619	**7.4**	9.3	5.5
W.P. Kuala Lumpur	**1,763**	1,190	573	**3.4**	4.3	2.4
W.P. Labuan	**78**	52	26	**4.0**	5.2	2.8
W.P. Putrajaya	**74**	51	23	**2.9**	4.1	1.8

Kadar adalah bagi setiap 1,000 penduduk berumur 41-59 tahun

The rates are per 1,000 population of aged 41-59 years

Jadual 10.2: Sepuluh sebab kematian utama penduduk berumur 41-59 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 10.2: Ten principal causes of death of population aged 41-59 years (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	5,673	19.8	Kencing manis *Diabetes mellitus*	1,020	9.1
2. *Pneumonia*	2,799	9.8	Darah tinggi *Hypertension*	819	7.3
3. *Cerebrovascular diseases*	2,170	7.6	Penyakit serebrovaskular *Cerebrovascular diseases*	580	5.2
4. *Transport accidents*	916	3.2	Penyakit jantung iskemia *Ischaemic heart diseases*	433	3.9
5. *Malignant neoplasm of breast*	779	2.7	Barah payudara *Breast cancer*	323	2.9
6. *Malignant neoplasm of trachea, bronchus and lung*	649	2.3	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	315	2.8
7. *Diseases of the liver*	574	2.0	Lelah *Asthma*	216	1.9
8. *Malignant neoplasm of colon, rectum and anus*	525	1.8	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	209	1.9
9. *Hypertensive diseases*	495	1.7	Barah hati *Liver cancer*	190	1.7
10. *Diabetes mellitus*	443	1.5	Radang paru-paru *Pneumonia*	94	0.8
Keseluruhan sebab *All causes*	**28,601**		**Keseluruhan sebab** *All causes*	**11,166**	

Jadual 10.2: Sepuluh sebab kematian utama penduduk berumur 41-59 tahun (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 10.2: Ten principal causes of death of population aged 41-59 years (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	4,681	24.8	Kencing manis *Diabetes mellitus*	622	8.8
	2. *Pneumonia*	1,814	9.6	Darah tinggi *Hypertension*	501	7.1
	3. *Cerebrovascular diseases*	1,414	7.5	Penyakit serebrovaskular *Cerebrovascular diseases*	389	5.5
	4. *Transport accidents*	752	4.0	Penyakit jantung iskemia *Ischaemic heart diseases*	348	4.9
	5. *Diseases of the liver*	466	2.5	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	199	2.8
	6. *Malignant neoplasm of trachea, bronchus and lung*	433	2.3	Barah hati *Liver cancer*	147	2.1
	7. *Malignant neoplasm of liver and intrahepatic bile ducts*	353	1.9	Lelah *Asthma*	142	2.0
	8. *Hypertensive diseases*	337	1.8	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	134	1.9
	9. *Malignant neoplasm of colon, rectum and anus*	287	1.5	Radang paru-paru *Pneumonia*	70	1.0
	10. *Diabetes mellitus*	258	1.4	Penyakit hati *Liver diseases*	56	0.8
	Keseluruhan sebab *All causes*	**18,857**		**Keseluruhan sebab** *All causes*	**7,073**	
Perempuan/ *Female*	1. *Ischaemic heart diseases*	992	10.2	Kencing manis *Diabetes mellitus*	398	9.7
	2. *Pneumonia*	985	10.1	Barah payudara *Breast cancer*	322	7.9
	3. *Malignant neoplasm of breast*	778	8.0	Darah tinggi *Hypertension*	318	7.8
	4. *Cerebrovascular diseases*	756	7.8	Penyakit serebrovaskular *Cerebrovascular diseases*	191	4.7
	5. *Malignant neoplasm of colon, rectum and anus*	238	2.4	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	116	2.8
	6. *Malignant neoplasm of trachea, bronchus and lung*	216	2.2	Penyakit jantung iskemia *Ischaemic heart diseases*	85	2.1
	7. *Malignant neoplasm of ovary*	189	1.9	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	75	1.8
	8. *Malignant neoplasm of cervix uteri*	188	1.9	Lelah *Asthma*	74	1.8
	9. *Diabetes mellitus*	185	1.9	Barah ovari *Ovary cancer*	56	1.4
	10. *Transport accidents*	164	1.7	Barah rahim *Uterus cancer*	56	1.4
	Keseluruhan sebab *All causes*	**9,744**		**Keseluruhan sebab** *All causes*	**4,093**	

Jadual 10.3: Tiga sebab kematian utama penduduk berumur 41-59 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 10.3: Three principal causes of death of population aged 41-59 years (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Johor	1. *Ischaemic heart diseases*	810	21.0	Darah tinggi *Hypertension*	140	11.2
	2. *Pneumonia*	392	10.2	Kencing manis *Diabetes mellitus*	122	9.8
	3. *Cerebrovascular diseases*	317	8.2	Penyakit jantung iskemia *Ischaemic heart diseases*	79	6.3
	Keseluruhan sebab *All causes*	**3,855**		**Keseluruhan sebab** *All causes*	**1,251**	
Kedah	1. *Ischaemic heart diseases*	604	22.4	Kencing manis *Diabetes mellitus*	95	15.0
	2. *Pneumonia*	365	13.6	Darah tinggi *Hypertension*	57	9.0
	3. *Cerebrovascular diseases*	235	8.7	Penyakit serebrovaskular *Cerebrovascular diseases*	48	7.6
	Keseluruhan sebab *All causes*	**2,692**		**Keseluruhan sebab** *All causes*	**634**	
Kelantan	1. *Ischaemic heart diseases*	374	22.8	Kencing manis *Diabetes mellitus*	101	14.0
	2. *Pneumonia*	186	11.3	Darah tinggi *Hypertension*	61	8.5
	3. *Cerebrovascular diseases*	139	8.5	Penyakit serebrovaskular *Cerebrovascular diseases*	57	7.9
	Keseluruhan sebab *All causes*	**1,641**		**Keseluruhan sebab** *All causes*	**721**	
Melaka	1. *Ischaemic heart diseases*	187	22.9	Kencing manis *Diabetes mellitus*	41	12.0
	2. *Cerebrovascular diseases*	59	7.2	Darah tinggi *Hypertension*	40	11.7
	3. *Pneumonia*	53	6.5	Penyakit serebrovaskular *Cerebrovascular diseases*	23	6.7
	Keseluruhan sebab *All causes*	**817**		**Keseluruhan sebab** *All causes*	**341**	

Jadual 10.3: Tiga sebab kematian utama penduduk berumur 41-59 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 10.3: Three principal causes of death of population aged 41-59 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Negeri Sembilan	1. *Ischaemic heart diseases*	229	19.1	Kencing manis *Diabetes mellitus*	43	11.9
	2. *Cerebrovascular diseases*	89	7.4	Darah tinggi *Hypertension*	25	6.9
	3. *Pneumonia*	81	6.8	Penyakit jantung iskemia *Ischaemic heart diseases*	22	6.1
	Keseluruhan sebab *All causes*	**1,197**		**Keseluruhan sebab** *All causes*	**360**	
Pahang	1. *Ischaemic heart diseases*	309	19.9	Kencing manis *Diabetes mellitus*	74	10.9
	2. *Pneumonia*	187	12.0	Penyakit jantung iskemia *Ischaemic heart diseases*	69	10.1
	3. *Cerebrovascular diseases*	103	6.6	Darah tinggi *Hypertension*	54	7.9
	Keseluruhan sebab *All causes*	**1,553**		**Keseluruhan sebab** *All causes*	**681**	
Perak	1. *Ischaemic heart diseases*	661	22.6	Kencing manis *Diabetes mellitus*	95	11.3
	2. *Pneumonia*	259	8.9	Darah tinggi *Hypertension*	69	8.2
	3. *Cerebrovascular diseases*	226	7.7	Penyakit serebrovaskular *Cerebrovascular diseases*	56	6.7
	Keseluruhan sebab *All causes*	**2,923**		**Keseluruhan sebab** *All causes*	**841**	
Perlis	1. *Ischaemic heart diseases*	35	14.2	Penyakit jantung iskemia *Ischaemic heart diseases*	28	23.7
	2. *Pneumonia*	29	11.7	Kencing manis *Diabetes mellitus*	18	15.3
	3. *Cerebrovascular diseases*	20	8.1	Darah tinggi *Hypertension*	12	10.2
	Keseluruhan sebab *All causes*	**247**		**Keseluruhan sebab** *All causes*	**118**	

Jadual 10.3: Tiga sebab kematian utama penduduk berumur 41-59 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 10.3: Three principal causes of death of population aged 41-59 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Pulau Pinang	1. *Ischaemic heart diseases*	382	21.4	Kencing manis *Diabetes mellitus*	46	11.1
	2. *Pneumonia*	208	11.7	Darah tinggi *Hypertension*	37	8.9
	3. *Cerebrovascular diseases*	97	5.4	Barah payudara *Breast cancer*	29	7.0
	Keseluruhan sebab *All causes*	**1,784**		**Keseluruhan sebab** *All causes*	**416**	
Sabah	1. *Ischaemic heart diseases*	209	10.2	Darah tinggi *Hypertension*	47	3.0
	2. *Pneumonia*	167	8.2	Penyakit serebrovaskular *Cerebrovascular diseases*	41	2.6
	3. *Cerebrovascular diseases*	150	7.3	Kencing manis *Diabetes mellitus*	38	2.4
	Keseluruhan sebab *All causes*	**2,049**		**Keseluruhan sebab** *All causes*	**1,565**	
Sarawak	1. *Ischaemic heart diseases*	183	9.7	Darah tinggi *Hypertension*	4	0.3
	2. *Cerebrovascular diseases*	125	6.6	Barah bibir,dalam mulut dan tekak *Lip, oral cavity and pharynx cancer*	1	0.1
	3. *Pneumonia*	116	6.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1	0.1
	Keseluruhan sebab *All causes*	**1,890**		**Keseluruhan sebab** *All causes*	**1,391**	
Selangor	1. *Ischaemic heart diseases*	1,145	22.1	Kencing manis *Diabetes mellitus*	248	12.3
	2. *Pneumonia*	482	9.3	Darah tinggi *Hypertension*	187	9.3
	3. *Cerebrovascular diseases*	372	7.2	Penyakit serebrovaskular *Cerebrovascular diseases*	129	6.4
	Keseluruhan sebab *All causes*	**5,183**		**Keseluruhan sebab** *All causes*	**2,017**	

Jadual 10.3: Tiga sebab kematian utama penduduk berumur 41-59 tahun (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 10.3: Three principal causes of death of population aged 41-59 years (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Terengganu	1. *Ischaemic heart diseases*	226	18.3	Kencing manis *Diabetes mellitus*	62	13.8
	2. *Pneumonia*	140	11.3	Penyakit serebrovaskular *Cerebrovascular diseases*	45	10.0
	3. *Cerebrovascular diseases*	119	9.6	Darah tinggi *Hypertension*	44	9.8
	Keseluruhan sebab *All causes*	**1,236**		**Keseluruhan sebab** *All causes*	**449**	
W.P. Kuala Lumpur	1. *Ischaemic heart diseases*	296	20.9	Darah tinggi *Hypertension*	41	11.9
	2. *Pneumonia*	128	9.0	Kencing manis *Diabetes mellitus*	33	9.6
	3. *Cerebrovascular diseases*	110	7.8	Penyakit serebrovaskular *Cerebrovascular diseases*	14	4.1
	Keseluruhan sebab *All causes*	**1,419**		**Keseluruhan sebab** *All causes*	**344**	
W.P. Labuan	1. *Ischaemic heart diseases*	8	17.0	Penyakit serebrovaskular *Cerebrovascular diseases*	2	6.5
	2. *Cerebrovascular diseases*	5	10.6	Lelah *Asthma*	1	3.2
	3. *Pneumonia*	3	6.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	1	3.2
	Keseluruhan sebab *All causes*	**47**		**Keseluruhan sebab** *All causes*	**31**	
W.P. Putrajaya	1. *Ischaemic heart diseases*	15	22.1	Kencing manis *Diabetes mellitus*	3	50.0
	2. *Malignant neoplasm of colon, rectum and anus*	8	11.8	Barah perut *Stomach cancer*	1	16.7
	3. *Cerebrovascular diseases*	4	5.9	-		
	Keseluruhan sebab *All causes*	**68**		**Keseluruhan sebab** *All causes*	**6**	

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KEMATIAN PENDUDUK BERUMUR 60 TAHUN DAN LEBIH

DEATHS OF POPULATION AGED 60 YEARS AND OVER

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Jadual 11.1: Kematian penduduk berumur 60 tahun dan lebih (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 11.1: Deaths of population aged 60 years and over (number and rate) by state and sex, Malaysia, 2023

	Kematian penduduk berumur 60 tahun dan lebih *Deaths of population aged 60 years and over*			**Kadar mortaliti penduduk berumur 60 tahun dan lebih** *Mortality rate of population aged 60 years and over*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**137,665**	**73,121**	**64,544**	**36.5**	**39.5**	**33.5**
Johor	**17,186**	9,226	7,960	**37.5**	40.2	34.8
Kedah	**11,721**	6,156	5,565	**41.0**	46.0	36.5
Kelantan	**8,087**	4,127	3,960	**40.1**	44.2	36.6
Melaka	**4,479**	2,308	2,171	**41.7**	45.3	38.5
Negeri Sembilan	**5,881**	3,151	2,730	**39.9**	44.2	36.0
Pahang	**7,072**	3,852	3,220	**42.0**	46.4	37.7
Perak	**15,458**	8,127	7,331	**41.5**	46.9	36.9
Perlis	**1,591**	816	775	**44.8**	50.8	39.8
Pulau Pinang	**9,262**	4,824	4,438	**42.3**	45.8	39.0
Sabah	**11,096**	6,148	4,948	**36.0**	38.9	33.0
Sarawak	**11,143**	5,867	5,276	**34.7**	37.3	32.2
Selangor	**22,017**	11,772	10,245	**26.8**	28.1	25.4
Terengganu	**5,240**	2,751	2,489	**45.4**	50.7	40.7
W.P. Kuala Lumpur	**7,075**	3,809	3,266	**35.0**	38.3	31.9
W.P. Labuan	**209**	115	94	**25.6**	26.7	24.3
W.P. Putrajaya	**148**	72	76	**37.0**	39.4	35.1

Kadar adalah bagi setiap 1,000 penduduk berumur 60 tahun dan lebih

The rates are per 1,000 population of aged 60 years and over

Jadual 11.2: Sepuluh sebab kematian utama penduduk berumur 60 tahun dan lebih (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 11.2: Ten principal causes of death of population aged 60 years and over (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Pneumonia*	14,377	19.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	32,758	51.9
2. *Ischaemic heart diseases*	11,447	15.3	Darah tinggi *Hypertension*	2,529	4.0
3. *Cerebrovascular diseases*	6,015	8.1	Kencing manis *Diabetes mellitus*	2,289	3.6
4. *Chronic lower respiratory diseases*	1,784	2.4	Penyakit serebrovaskular *Cerebrovascular diseases*	1,991	3.2
5. *Malignant neoplasm of trachea, bronchus and lung*	1,656	2.2	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	689	1.1
6. *Diabetes mellitus*	1,467	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	688	1.1
7. *Malignant neoplasm of colon, rectum and anus*	1,421	1.9	Lelah *Asthma*	596	0.9
8. *Hypertensive diseases*	1,154	1.5	Penyakit jantung iskemia *Ischaemic heart diseases*	508	0.8
9. *Malignant neoplasm of liver and intrahepatic bile ducts*	1,034	1.4	Barah hati *Liver cancer*	452	0.7
10. *Diseases of the liver*	775	1.0	Radang paru-paru *Pneumonia*	399	0.6
Keseluruhan sebab *All causes*	**74,596**		**Keseluruhan sebab** *All causes*	**63,069**	

Jadual 11.2: Sepuluh sebab kematian utama penduduk berumur 60 tahun dan lebih (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 11.2: Ten principal causes of death of population aged 60 years and over (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Pneumonia*	7,912	18.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,674	46.8
	2. *Ischaemic heart diseases*	7,106	17.0	Darah tinggi *Hypertension*	1,264	4.0
	3. *Cerebrovascular diseases*	3,218	7.7	Kencing manis *Diabetes mellitus*	1,158	3.7
	4. *Chronic lower respiratory diseases*	1,230	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	1,101	3.5
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,107	2.6	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	443	1.4
	6. *Malignant neoplasm of colon, rectum and anus*	810	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	409	1.3
	7. *Malignant neoplasm of liver and intrahepatic bile ducts*	733	1.8	Lelah *Asthma*	377	1.2
	8. *Diabetes mellitus*	694	1.7	Penyakit jantung iskemia *Ischaemic heart diseases*	359	1.1
	9. *Hypertensive diseases*	603	1.4	Barah hati *Liver cancer*	310	1.0
	10. *Transport accidents*	597	1.4	Radang paru-paru *Pneumonia*	223	0.7
	Keseluruhan sebab *All causes*	**41,792**		**Keseluruhan sebab** *All causes*	**31,329**	
Perempuan/ *Female*	1. *Pneumonia*	6,465	19.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18,084	57.0
	2. *Ischaemic heart diseases*	4,341	13.2	Darah tinggi *Hypertension*	1,265	4.0
	3. *Cerebrovascular diseases*	2,797	8.5	Kencing manis *Diabetes mellitus*	1,131	3.6
	4. *Diabetes mellitus*	773	2.4	Penyakit serebrovaskular *Cerebrovascular diseases*	890	2.8
	5. *Malignant neoplasm of breast*	754	2.3	Barah payudara *Breast cancer*	376	1.2
	6. *Malignant neoplasm of colon, rectum and anus*	611	1.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	279	0.9
	7. *Chronic lower respiratory diseases*	554	1.7	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	246	0.8
	8. *Hypertensive diseases*	551	1.7	Lelah *Asthma*	219	0.7
	9. *Malignant neoplasm of trachea, bronchus and lung*	549	1.7	Radang paru-paru *Pneumonia*	176	0.6
	10. *Diseases of the liver*	321	1.0	Penyakit jantung iskemia *Ischaemic heart diseases*	149	0.5
	Keseluruhan sebab *All causes*	**32,804**		**Keseluruhan sebab** *All causes*	**31,740**	

Jadual 11.3: Tiga sebab kematian utama penduduk berumur 60 tahun dan lebih (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 11.3: Three principal causes of death of population aged 60 years and over (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Johor	1. *Pneumonia*	1,919	20.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5,392	69.3
	2. *Ischaemic heart diseases*	1,604	17.1	Darah tinggi *Hypertension*	270	3.5
	3. *Cerebrovascular diseases*	703	7.5	Kencing manis *Diabetes mellitus*	205	2.6
	Keseluruhan sebab *All causes*	**9,400**		**Keseluruhan sebab** *All causes*	**7,786**	
Kedah	1. *Pneumonia*	1,655	20.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,184	57.3
	2. *Ischaemic heart diseases*	1,594	20.1	Kencing manis *Diabetes mellitus*	231	6.1
	3. *Cerebrovascular diseases*	806	10.2	Darah tinggi *Hypertension*	207	5.4
	Keseluruhan sebab *All causes*	**7,912**		**Keseluruhan sebab** *All causes*	**3,809**	
Kelantan	1. *Pneumonia*	884	21.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,712	44.0
	2. *Ischaemic heart diseases*	850	20.2	Darah tinggi *Hypertension*	347	8.9
	3. *Cerebrovascular diseases*	366	8.7	Penyakit serebrovaskular *Cerebrovascular diseases*	334	8.6
	Keseluruhan sebab *All causes*	**4,199**		**Keseluruhan sebab** *All causes*	**3,888**	
Melaka	1. *Ischaemic heart diseases*	416	18.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,328	59.7
	2. *Pneumonia*	336	14.9	Kencing manis *Diabetes mellitus*	125	5.6
	3. *Cerebrovascular diseases*	171	7.6	Darah tinggi *Hypertension*	97	4.4
	Keseluruhan sebab *All causes*	**2,254**		**Keseluruhan sebab** *All causes*	**2,225**	

Jadual 11.3: Tiga sebab kematian utama penduduk berumur 60 tahun dan lebih (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 11.3: Three principal causes of death of population aged 60 years and over (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Negeri Sembilan	1. *Pneumonia*	548	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,657	65.3
	2. *Ischaemic heart diseases*	483	14.4	Kencing manis *Diabetes mellitus*	90	3.5
	3. *Cerebrovascular diseases*	273	8.2	Darah tinggi *Hypertension*	68	2.7
	Keseluruhan sebab *All causes*	**3,343**		**Keseluruhan sebab** *All causes*	**2,538**	
Pahang	1. *Pneumonia*	748	20.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,970	56.4
	2. *Ischaemic heart diseases*	535	15.0	Penyakit serebrovaskular *Cerebrovascular diseases*	177	5.1
	3. *Cerebrovascular diseases*	325	9.1	Kencing manis *Diabetes mellitus*	157	4.5
	Keseluruhan sebab *All causes*	**3,576**		**Keseluruhan sebab** *All causes*	**3,496**	
Perak	1. *Pneumonia*	1,653	19.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4,970	70.5
	2. *Ischaemic heart diseases*	1,243	14.8	Darah tinggi *Hypertension*	226	3.2
	3. *Cerebrovascular diseases*	708	8.4	Kencing manis *Diabetes mellitus*	211	3.0
	Keseluruhan sebab *All causes*	**8,406**		**Keseluruhan sebab** *All causes*	**7,052**	
Perlis	1. *Pneumonia*	202	22.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,563	64.2
	2. *Ischaemic heart diseases*	152	16.6	Darah tinggi *Hypertension*	243	6.1
	3. *Cerebrovascular diseases*	87	9.5	Kencing manis *Diabetes mellitus*	154	3.9
	Keseluruhan sebab *All causes*	**914**		**Keseluruhan sebab** *All causes*	**3,993**	

Jadual 11.3: Tiga sebab kematian utama penduduk berumur 60 tahun dan lebih (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 11.3: Three principal causes of death of population aged 60 years and over (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Pulau Pinang	1. *Pneumonia*	1,134	21.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	2,212	33.9
	2. *Ischaemic heart diseases*	777	14.7	Darah tinggi *Hypertension*	80	1.2
	3. *Cerebrovascular diseases*	293	5.6	Penyakit serebrovaskular *Cerebrovascular diseases*	79	1.2
	Keseluruhan sebab *All causes*	**5,269**		**Keseluruhan sebab** *All causes*	**6,534**	
Sabah	1. *Pneumonia*	869	19.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	88	1.4
	2. *Ischaemic heart diseases*	391	8.6	Darah tinggi *Hypertension*	4	0.1
	3. *Cerebrovascular diseases*	338	7.4	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	3	0.0
	Keseluruhan sebab *All causes*	**4,562**		**Keseluruhan sebab** *All causes*	**6,335**	
Sarawak	1. *Pneumonia*	610	12.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5,606	56.2
	2. *Ischaemic heart diseases*	417	8.7	Darah tinggi *Hypertension*	518	5.2
	3. *Cerebrovascular diseases*	385	8.0	Kencing manis *Diabetes mellitus*	466	4.7
	Keseluruhan sebab *All causes*	**4,808**		**Keseluruhan sebab** *All causes*	**9,971**	
Selangor	1. *Pneumonia*	2,455	20.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,049	47.8
	2. *Ischaemic heart diseases*	1,713	14.2	Penyakit serebrovaskular *Cerebrovascular diseases*	181	8.2
	3. *Cerebrovascular diseases*	819	6.8	Darah tinggi *Hypertension*	178	8.1
	Keseluruhan sebab *All causes*	**12,046**		**Keseluruhan sebab** *All causes*	**2,194**	

Jadual 11.3: Tiga sebab kematian utama penduduk berumur 60 tahun dan lebih (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 11.3: Three principal causes of death of population aged 60 years and over (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
Terengganu	1. *Pneumonia*	500	16.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,598	64.7
	2. *Ischaemic heart diseases*	495	16.3	Darah tinggi *Hypertension*	99	4.0
	3. *Cerebrovascular diseases*	371	12.2	Kencing manis *Diabetes mellitus*	92	3.7
	Keseluruhan sebab *All causes*	**3,046**		**Keseluruhan sebab** *All causes*	**2,471**	
W.P. Kuala Lumpur	1. *Pneumonia*	827	18.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	59	67.8
	2. *Ischaemic heart diseases*	738	16.0	Barah hati *Liver cancer*	2	2.3
	3. *Cerebrovascular diseases*	345	7.5	Darah tinggi *Hypertension*	2	2.3
	Keseluruhan sebab *All causes*	**4,604**		**Keseluruhan sebab** *All causes*	**87**	
W.P. Labuan	1. *Pneumonia*	22	18.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	5	38.5
	2. *Ischaemic heart diseases*	12	9.8	Kencing manis *Diabetes mellitus*	3	23.1
	3. *Cerebrovascular diseases*	11	9.0	Barah trakea, bronkus dan paru-paru *Trachea, bronchus and lung cancer*	2	15.4
	Keseluruhan sebab *All causes*	**122**		**Keseluruhan sebab** *All causes*	**13**	
W.P. Putrajaya	1. *Ischaemic heart diseases*	27	20.0	Kencing manis *Diabetes mellitus*	3	50.0
	2. *Pneumonia*	15	11.1	Barah perut *Stomach cancer*	1	16.7
	3. *Cerebrovascular diseases*	14	10.4	-		
	Keseluruhan sebab *All causes*	**135**		**Keseluruhan sebab** *All causes*	**6**	

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KEMATIAN PRAMATANG
PREMATURE DEATHS

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Jadual 12.1: Kematian pramatang (bilangan dan kadar) mengikut negeri dan jantina, Malaysia, 2023

Table 12.1: Premature deaths (number and rate) by state and sex, Malaysia, 2023

	Kematian penduduk berumur 30-69 tahun *Deaths of population aged 30-69 years*			Kadar mortaliti penduduk berumur 30-69 tahun *Mortality rate of population aged 30-69 years*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**90,924**	**57,920**	**33,004**	**5.8**	**7.1**	**4.4**
Johor	**11,559**	7,377	4,182	**6.1**	7.3	4.7
Kedah	**7,794**	4,842	2,952	**8.3**	10.5	6.2
Kelantan	**5,396**	3,256	2,140	**7.6**	9.2	6.0
Melaka	**2,776**	1,739	1,037	**5.8**	6.8	4.6
Negeri Sembilan	**3,776**	2,400	1,376	**6.6**	8.0	5.0
Pahang	**5,008**	3,130	1,878	**6.8**	7.9	5.5
Perak	**8,977**	5,755	3,222	**7.6**	9.4	5.7
Perlis	**912**	556	356	**7.1**	8.9	5.4
Pulau Pinang	**5,194**	3,320	1,874	**5.7**	7.2	4.2
Sabah	**8,184**	5,181	3,003	**5.6**	6.8	4.3
Sarawak	**7,059**	4,515	2,544	**5.8**	7.2	4.3
Selangor	**15,781**	10,418	5,363	**4.3**	5.4	3.1
Terengganu	**3,909**	2,407	1,502	**7.8**	9.3	6.1
W.P. Kuala Lumpur	**4,276**	2,819	1,457	**3.8**	4.6	2.8
W.P. Labuan	**168**	116	52	**3.8**	5.0	2.4
W.P. Putrajaya	**155**	89	66	**2.8**	3.4	2.2

Kadar adalah bagi setiap 1,000 penduduk berumur 30-69 tahun

The rates are per 1,000 population of aged 30-69 years

Jadual 12.2: Sepuluh sebab kematian utama pramatang (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023

Table 12.2: Ten principal causes of premature death (medically certified and non-medically certified) by sex, Malaysia, 2023

Jumlah/ *Total*					
Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
1. *Ischaemic heart diseases*	11,231	17.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	3,241	11.4
2. *Pneumonia*	7,297	11.7	Kencing manis *Diabetes mellitus*	2,141	7.6
3. *Cerebrovascular diseases*	4,572	7.3	Darah tinggi *Hypertension*	1,767	6.2
4. *Transport accidents*	2,040	3.3	Penyakit serebrovaskular *Cerebrovascular diseases*	1,388	4.9
5. *Malignant neoplasm of trachea, bronchus and lung*	1,494	2.4	Penyakit jantung iskemia *Ischaemic heart diseases*	771	2.7
6. *Malignant neoplasm of breast*	1,347	2.2	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	628	2.2
7. *Malignant neoplasm of colon, rectum and anus*	1,247	2.0	Barah payudara *Breast cancer*	582	2.1
8. *Diseases of the liver*	1,098	1.8	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	531	1.9
9. *Malignant neoplasm of liver and intrahepatic bile ducts*	1,013	1.6	Lelah *Asthma*	449	1.6
10. *Diabetes mellitus*	986	1.6	Barah hati *Liver cancer*	423	1.5
Keseluruhan sebab *All causes*	**62,602**		**Keseluruhan sebab** *All causes*	**28,322**	

Jadual 12.2: Sepuluh sebab kematian utama pramatang (disahkan dan tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2023 (samb.)

Table 12.2: Ten principal causes of premature death (medically certified and non-medically certified) by sex, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Lelaki/ *Male*	1. *Ischaemic heart diseases*	8,736	21.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,980	11.2
	2. *Pneumonia*	4,594	11.4	Kencing manis *Diabetes mellitus*	1,265	7.1
	3. *Cerebrovascular diseases*	2,918	7.3	Darah tinggi *Hypertension*	1,095	6.2
	4. *Transport accidents*	1,707	4.2	Penyakit serebrovaskular *Cerebrovascular diseases*	911	5.1
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,021	2.5	Penyakit jantung iskemia *Ischaemic heart diseases*	605	3.4
	6. *Diseases of the liver*	811	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	404	2.3
	7. *Malignant neoplasm of liver and intrahepatic bile ducts*	786	2.0	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	356	2.0
	8. *Malignant neoplasm of colon, rectum and anus*	731	1.8	Barah hati *Liver cancer*	321	1.8
	9. *Hypertensive diseases*	610	1.5	Lelah *Asthma*	300	1.7
	10. *Chronic lower respiratory diseases*	605	1.5	Radang paru-paru *Pneumonia*	144	0.8
	Keseluruhan sebab *All causes*	**40,203**		**Keseluruhan sebab** *All causes*	**17,717**	
Perempuan/ *Female*	1. *Pneumonia*	2,703	12.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	1,261	11.9
	2. *Ischaemic heart diseases*	2,495	11.1	Kencing manis *Diabetes mellitus*	876	8.3
	3. *Cerebrovascular diseases*	1,654	7.4	Darah tinggi *Hypertension*	672	6.3
	4. *Malignant neoplasm of breast*	1,344	6.0	Barah payudara *Breast cancer*	581	5.5
	5. *Malignant neoplasm of colon, rectum and anus*	516	2.3	Penyakit serebrovaskular *Cerebrovascular diseases*	477	4.5
	6. *Malignant neoplasm of trachea, bronchus and lung*	473	2.1	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	224	2.1
	7. *Diabetes mellitus*	447	2.0	Barah trakea,bronkus dan paru-paru *Trachea, bronchus and lung cancer*	175	1.7
	8. *Malignant neoplasm of ovary*	340	1.5	Penyakit jantung iskemia *Ischaemic heart diseases*	166	1.6
	9. *Transport accidents*	333	1.5	Lelah *Asthma*	149	1.4
	10. *Malignant neoplasm of cervix uteri*	315	1.4	Barah rahim *Uterus cancer*	124	1.2
	Keseluruhan sebab *All causes*	**22,399**		**Keseluruhan sebab** *All causes*	**10,605**	

Jadual 12.3: Tiga sebab kematian utama pramatang (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023

Table 12.3: Three principal causes of premature death (medically certified and non-medically certified) by state, Malaysia, 2023

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Johor	1. *Ischaemic heart diseases*	1,608	19.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	579	17.6
	2. *Pneumonia*	1,027	12.4	Darah tinggi *Hypertension*	270	8.2
	3. *Cerebrovascular diseases*	606	7.3	Kencing manis *Diabetes mellitus*	221	6.7
	Keseluruhan sebab *All causes*	**8,266**		**Keseluruhan sebab** *All causes*	**3,293**	
Kedah	1. *Ischaemic heart diseases*	1,210	19.7	Kencing manis *Diabetes mellitus*	205	12.5
	2. *Pneumonia*	949	15.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	173	10.6
	3. *Cerebrovascular diseases*	560	9.1	Darah tinggi *Hypertension*	140	8.6
	Keseluruhan sebab *All causes*	**6,157**		**Keseluruhan sebab** *All causes*	**1,637**	
Kelantan	1. *Ischaemic heart diseases*	777	21.7	Kencing manis *Diabetes mellitus*	215	11.8
	2. *Pneumonia*	484	13.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	189	10.4
	3. *Cerebrovascular diseases*	261	7.3	Penyakit serebrovaskular *Cerebrovascular diseases*	171	9.4
	Keseluruhan sebab *All causes*	**3,580**		**Keseluruhan sebab** *All causes*	**1,816**	
Melaka	1. *Ischaemic heart diseases*	387	21.0	Kencing manis *Diabetes mellitus*	108	11.5
	2. *Pneumonia*	161	8.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	102	10.9
	3. *Cerebrovascular diseases*	128	7.0	Darah tinggi *Hypertension*	81	8.6
	Keseluruhan sebab *All causes*	**1,839**		**Keseluruhan sebab** *All causes*	**937**	

Jadual 12.3: Tiga sebab kematian utama pramatang (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 12.3: Three principal causes of premature death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Negeri Sembilan	1. *Ischaemic heart diseases*	457	16.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	181	17.0
	2. *Pneumonia*	228	8.4	Kencing manis *Diabetes mellitus*	96	9.0
	3. *Cerebrovascular diseases*	198	7.3	Darah tinggi *Hypertension*	53	5.0
	Keseluruhan sebab *All causes*	**2,713**		**Keseluruhan sebab** *All causes*	**1,063**	
Pahang	1. *Ischaemic heart diseases*	569	17.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	201	11.6
	2. *Pneumonia*	457	14.0	Kencing manis *Diabetes mellitus*	157	9.1
	3. *Cerebrovascular diseases*	230	7.0	Penyakit jantung iskemia *Ischaemic heart diseases*	118	6.8
	Keseluruhan sebab *All causes*	**3,274**		**Keseluruhan sebab** *All causes*	**1,734**	
Perak	1. *Ischaemic heart diseases*	1,248	19.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	451	18.5
	2. *Pneumonia*	733	11.2	Kencing manis *Diabetes mellitus*	206	8.4
	3. *Cerebrovascular diseases*	495	7.6	Darah tinggi *Hypertension*	161	6.6
	Keseluruhan sebab *All causes*	**6,536**		**Keseluruhan sebab** *All causes*	**2,441**	
Perlis	1. *Ischaemic heart diseases*	100	16.2	Penyakit jantung iskemia *Ischaemic heart diseases*	52	17.7
	2. *Pneumonia*	90	14.5	Kencing manis *Diabetes mellitus*	33	11.3
	3. *Cerebrovascular diseases*	41	6.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	32	10.9
	Keseluruhan sebab *All causes*	**619**		**Keseluruhan sebab** *All causes*	**293**	

Jadual 12.3: Tiga sebab kematian utama pramatang (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 12.3: Three principal causes of premature death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Pulau Pinang	1. *Ischaemic heart diseases*	746	19.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	258	20.2
	2. *Pneumonia*	531	13.6	Kencing manis *Diabetes mellitus*	108	8.4
	3. *Cerebrovascular diseases*	215	5.5	Darah tinggi *Hypertension*	98	7.7
	Keseluruhan sebab *All causes*	**3,914**		**Keseluruhan sebab** *All causes*	**1,280**	
Sabah	1. *Pneumonia*	464	10.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	267	7.1
	2. *Ischaemic heart diseases*	424	9.6	Penyakit serebrovaskular *Cerebrovascular diseases*	86	2.3
	3. *Cerebrovascular diseases*	299	6.8	Darah tinggi *Hypertension*	84	2.2
	Keseluruhan sebab *All causes*	**4,420**		**Keseluruhan sebab** *All causes*	**3,764**	
Sarawak	1. *Ischaemic heart diseases*	375	9.4	Darah tinggi *Hypertension*	6	0.2
	2. *Pneumonia*	282	7.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	4	0.1
	3. *Cerebrovascular diseases*	277	6.9	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	3	0.1
	Keseluruhan sebab *All causes*	**4,010**		**Keseluruhan sebab** *All causes*	**3,049**	
Selangor	1. *Ischaemic heart diseases*	2,119	19.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	561	11.6
	2. *Pneumonia*	1,181	10.8	Kencing manis *Diabetes mellitus*	487	10.0
	3. *Cerebrovascular diseases*	748	6.8	Darah tinggi *Hypertension*	388	8.0
	Keseluruhan sebab *All causes*	**10,934**		**Keseluruhan sebab** *All causes*	**4,847**	

Jadual 12.3: Tiga sebab kematian utama pramatang (disahkan dan tidak disahkan secara perubatan) mengikut negeri, Malaysia, 2023 (samb.)

Table 12.3: Three principal causes of premature death (medically certified and non-medically certified) by state, Malaysia, 2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
Terengganu	1. *Ischaemic heart diseases*	523	18.7	Kencing manis *Diabetes mellitus*	151	13.6
	2. *Pneumonia*	352	12.6	Penyakit serebrovaskular *Cerebrovascular diseases*	111	10.0
	3. *Cerebrovascular diseases*	264	9.4	Darah tinggi *Hypertension*	107	9.6
	Keseluruhan sebab *All causes*	**2,799**		**Keseluruhan sebab** *All causes*	**1,110**	
W.P. Kuala Lumpur	1. *Ischaemic heart diseases*	645	19.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	155	15.8
	2. *Pneumonia*	333	10.1	Darah tinggi *Hypertension*	83	8.4
	3. *Cerebrovascular diseases*	230	7.0	Kencing manis *Diabetes mellitus*	82	8.3
	Keseluruhan sebab *All causes*	**3,292**		**Keseluruhan sebab** *All causes*	**984**	
W.P. Labuan	1. *Ischaemic heart diseases*	16	14.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	6	10.0
	2. *Pneumonia*	12	11.1	Darah tinggi *Hypertension*	2	3.3
	3. *Cerebrovascular diseases*	9	8.3	Penyakit serebrovaskular *Cerebrovascular diseases*	2	3.3
	Keseluruhan sebab *All causes*	**108**		**Keseluruhan sebab** *All causes*	**60**	
W.P. Putrajaya	1. *Ischaemic heart diseases*	27	19.1	Kencing manis *Diabetes mellitus*	5	35.7
	2. *Pneumonia*	13	9.2	Barah hati *Liver cancer*	1	7.1
	3. *Malignant neoplasm of colon, rectum and anus*	12	8.5	Barah perut *Stomach cancer*	1	7.1
	Keseluruhan sebab *All causes*	**141**		**Keseluruhan sebab** *All causes*	**14**	

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MATLAMAT PEMBANGUNAN MAMPAN (SDG)

SUSTAINABLE DEVELOPMENT GOALS (SDG)

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Jadual 13.1: Kadar kematian pramatang yang berpunca daripada *Cardiovascular diseases* mengikut negeri dan jantina, Malaysia, 2023

Table 13.1: Premature mortality rate attributed to Cardiovascular diseases by state and sex, Malaysia, 2023

	Cardiovascular diseases		
	Kadar *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**130.5**	**180.0**	**76.6**
Johor	**149.5**	199.0	93.2
Kedah	**229.0**	325.8	134.5
Kelantan	**183.5**	246.7	121.1
Melaka	**132.7**	175.5	84.1
Negeri Sembilan	**151.3**	210.3	87.8
Pahang	**138.2**	183.8	86.0
Perak	**179.9**	254.8	99.5
Perlis	**149.4**	214.9	87.7
Pulau Pinang	**133.9**	197.2	69.6
Sabah	**81.5**	113.4	46.8
Sarawak	**85.1**	115.2	53.1
Selangor	**98.4**	140.5	51.2
Terengganu	**201.6**	263.4	136.7
W.P. Kuala Lumpur	**99.0**	136.5	55.1
W.P. Labuan	**80.4**	112.3	46.2
W.P. Putrajaya	**89.6**	140.3	44.2

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.2: Kadar kematian pramatang yang berpunca daripada *Cancer* mengikut negeri dan jantina, Malaysia, 2023

Table 13.2: Premature mortality rate attributed to Cancer by state and sex, Malaysia, 2023

	Cancer		
	Kadar *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**66.0**	**61.1**	**71.2**
Johor	**67.2**	60.4	74.9
Kedah	**77.4**	74.0	80.8
Kelantan	**65.8**	59.3	72.2
Melaka	**71.0**	69.3	72.9
Negeri Sembilan	**75.3**	68.1	83.1
Pahang	**58.2**	55.3	61.6
Perak	**81.8**	80.4	83.2
Perlis	**72.4**	51.3	92.2
Pulau Pinang	**68.2**	65.2	71.1
Sabah	**64.2**	57.2	71.7
Sarawak	**78.6**	81.5	75.5
Selangor	**53.2**	47.4	59.7
Terengganu	**70.9**	64.1	78.0
W.P. Kuala Lumpur	**62.3**	57.4	68.2
W.P. Labuan	**42.4**	34.5	50.9
W.P. Putrajaya	**66.3**	41.7	88.4

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.3: Kadar kematian pramatang yang berpunca daripada *Diabetes* mengikut negeri dan jantina, Malaysia, 2023

Table 13.3: Premature mortality rate attributed to Diabetes by state and sex, Malaysia, 2023

	Diabetes		
	Kadar *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**6.3**	**6.6**	**6.0**
Johor	**5.2**	5.9	4.4
Kedah	**21.4**	22.3	20.5
Kelantan	**9.2**	8.5	9.8
Melaka	**2.5**	3.1	1.8
Negeri Sembilan	**7.7**	8.4	6.9
Pahang	**6.2**	5.1	7.6
Perak	**8.1**	8.2	8.1
Perlis	**7.8**	6.4	9.1
Pulau Pinang	**9.3**	12.2	6.4
Sabah	**3.2**	4.2	2.1
Sarawak	**3.7**	3.7	3.7
Selangor	**1.9**	1.9	1.9
Terengganu	**18.5**	17.5	19.6
W.P. Kuala Lumpur	**6.4**	7.4	5.2
W.P. Labuan	**-**	-	-
W.P. Putrajaya	**5.4**	7.6	3.4

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.4: Kadar kematian pramatang yang berpunca daripada *Chronic respiratory diseases* mengikut negeri dan jantina, Malaysia, 2023

Table 13.4: Premature mortality rate attributed to Chronic respiratory diseases by state and sex, Malaysia, 2023

	Chronic respiratory diseases		
	Kadar *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**15.8**	**20.1**	**11.2**
Johor	**16.4**	20.4	11.8
Kedah	**28.7**	35.7	21.8
Kelantan	**15.5**	18.7	12.3
Melaka	**13.4**	18.5	7.6
Negeri Sembilan	**21.9**	27.2	16.3
Pahang	**20.4**	23.8	16.6
Perak	**25.6**	31.8	19.0
Perlis	**17.1**	20.9	13.6
Pulau Pinang	**15.9**	20.9	10.9
Sabah	**14.7**	19.5	9.4
Sarawak	**15.5**	20.6	10.2
Selangor	**9.8**	12.7	6.4
Terengganu	**19.5**	28.7	9.8
W.P. Kuala Lumpur	**9.7**	12.6	6.3
W.P. Labuan	**11.2**	4.3	18.5
W.P. Putrajaya	**3.6**	3.8	3.4

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.5: Kadar kematian pramatang yang berpunca daripada *Cardiovascular diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023

Table 13.5: Premature mortality rate attributed to Cardiovascular diseases by administrative district and sex, Malaysia, 2023

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Malaysia	**130.5**	**180.0**	**76.6**
Johor	**149.5**	**199.0**	**93.2**
Batu Pahat	**159.7**	201.4	114.0
Johor Bahru	**122.7**	167.9	71.6
Kluang	**182.4**	231.8	121.9
Kota Tinggi	**206.5**	255.2	151.5
Mersing	**176.5**	234.0	110.7
Muar	**148.7**	198.1	89.1
Pontian	**202.3**	283.2	109.7
Segamat	**173.0**	237.2	104.2
Kulai	**128.9**	180.1	69.3
Tangkak	**194.1**	253.8	129.5
Kedah	**229.0**	**325.8**	**134.5**
Baling	**299.4**	419.6	179.4
Bandar Baharu	**283.0**	407.4	157.7
Kota Setar	**223.5**	331.4	123.8
Kuala Muda	**212.2**	301.8	123.0
Kubang Pasu	**221.9**	336.2	118.6
Kulim	**197.2**	295.3	99.4
Langkawi	**269.9**	330.4	207.6
Padang Terap	**243.3**	281.1	204.9
Sik	**306.4**	418.4	195.9
Yan	**169.9**	229.1	113.2
Pendang	**293.5**	417.5	171.7
Pokok Sena	**238.9**	278.6	190.6
Kelantan[1]	**183.5**	**246.7**	**121.1**
Bachok	**228.1**	339.1	121.5
Kota Bharu	**152.2**	209.0	96.6
Machang	**226.7**	288.0	166.4
Pasir Mas	**181.7**	258.1	107.4
Pasir Puteh	**288.8**	394.2	187.5
Tanah Merah	**164.0**	205.2	122.7
Tumpat	**225.3**	317.1	141.6
Gua Musang	**110.2**	133.0	82.8
Kuala Krai	**142.8**	179.4	106.6
Jeli	**210.2**	205.6	215.1
Kecil Lojing	**171.1**	158.1	186.3

Nota/ *Note* : [1] Jajahan

Jadual 13.5: Kadar kematian pramatang yang berpunca daripada *Cardiovascular diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.5: Premature mortality rate attributed to Cardiovascular diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Melaka	**132.7**	**175.5**	**84.1**
Alor Gajah	**135.2**	171.3	96.7
Jasin	**162.2**	207.4	109.7
Melaka Tengah	**124.5**	169.4	72.4
Negeri Sembilan	**151.3**	**210.3**	**87.8**
Jelebu	**188.0**	240.5	124.6
Kuala Pilah	**193.7**	297.1	81.9
Port Dickson	**161.3**	230.6	84.3
Rembau	**207.3**	301.5	108.6
Seremban	**120.5**	172.7	65.5
Tampin	**233.4**	264.7	196.3
Jempol	**198.6**	264.7	127.4
Pahang	**138.2**	**183.8**	**86.0**
Bentong	**105.6**	135.4	63.7
Cameron Highlands	**63.4**	105.3	-
Jerantut	**125.5**	187.3	54.1
Kuantan	**90.9**	122.1	57.2
Lipis	**119.6**	160.7	70.6
Pekan	**140.2**	184.7	88.5
Raub	**222.7**	291.9	140.2
Temerloh	**199.4**	264.6	131.9
Rompin	**177.4**	224.7	121.3
Maran	**237.0**	323.5	140.0
Bera	**176.5**	219.4	126.2
Perak	**179.9**	**254.8**	**99.5**
Batang Padang	**174.5**	246.2	93.2
Manjung	**174.3**	251.1	87.5
Kinta	**136.8**	198.4	71.6
Kerian	**182.6**	271.9	89.7
Kuala Kangsar	**189.4**	242.3	135.7
Larut & Matang	**240.6**	330.9	146.4
Hilir Perak	**222.2**	305.9	129.1
Hulu Perak	**269.1**	362.3	167.4
Perak Tengah	**219.5**	351.8	78.3
Kampar	**213.4**	333.8	91.4
Muallim	**187.1**	232.3	139.8
Bagan Datuk	**125.9**	168.3	71.0
Selama	**424.3**	594.0	248.6

Jadual 13.5: Kadar kematian pramatang yang berpunca daripada *Cardiovascular diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.5: Premature mortality rate attributed to Cardiovascular diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Perlis	**149.4**	**214.9**	**87.7**
Pulau Pinang	**133.9**	**197.2**	**69.6**
Seberang Perai Tengah	**117.7**	170.1	60.1
Seberang Perai Utara	**175.7**	265.2	86.7
Seberang Perai Selatan	**141.3**	197.9	84.6
Timur Laut	**113.9**	166.0	62.2
Barat Daya	**146.8**	228.3	67.5
Sabah	**81.5**	**113.4**	**46.8**
Tawau	**51.7**	60.3	42.0
Lahad Datu	**66.8**	93.3	35.7
Semporna	**63.2**	84.1	40.7
Sandakan	**89.8**	126.8	49.6
Kinabatangan	**17.3**	21.2	12.1
Beluran	**76.7**	97.0	53.0
Kota Kinabalu	**61.9**	93.7	28.5
Ranau	**120.7**	183.0	58.8
Kota Belud	**95.1**	140.2	51.9
Tuaran	**151.5**	219.7	84.7
Penampang	**85.9**	110.6	58.4
Papar	**116.6**	153.9	73.8
Kudat	**85.7**	139.1	32.2
Kota Marudu	**136.7**	168.2	105.2
Pitas	**187.9**	314.8	53.4
Beaufort	**148.2**	251.6	36.0
Kuala Penyu	**153.0**	223.2	82.1
Sipitang	**87.7**	108.4	65.3
Tenom	**146.7**	150.9	142.4
Nabawan	**76.0**	148.2	-
Keningau	**92.5**	139.4	45.0
Tambunan	**111.4**	179.1	46.7
Kunak	**67.8**	79.7	53.2
Tongod	**51.6**	85.6	12.4
Putatan	**104.1**	132.6	75.1
Telupid	**40.5**	74.3	-
Kalabakan	**4.9**	-	11.2

Jadual 13.5: Kadar kematian pramatang yang berpunca daripada *Cardiovascular diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.5: Premature mortality rate attributed to Cardiovascular diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Sarawak	**85.1**	**115.2**	**53.1**
Kuching	**69.9**	110.0	30.4
Bau	**76.2**	117.6	31.6
Lundu	**67.3**	113.7	13.2
Samarahan	**38.2**	40.2	36.3
Serian	**123.2**	187.3	56.8
Simunjan	**113.1**	140.1	83.4
Sri Aman	**83.0**	115.9	48.0
Lubok Antu	**93.7**	106.9	79.8
Betong	**96.9**	111.8	80.1
Saratok	**148.0**	171.8	124.2
Sarikei	**157.9**	221.6	97.0
Maradong	**82.1**	104.4	60.5
Daro	**65.0**	39.6	95.8
Julau	**53.0**	26.7	79.0
Sibu	**95.2**	144.1	45.2
Dalat	**147.8**	133.9	162.6
Mukah	**95.2**	111.3	76.3
Kanowit	**125.9**	185.9	66.7
Bintulu	**42.7**	61.8	19.5
Tatau	**68.2**	67.3	69.3
Kapit	**158.8**	199.8	117.7
Song	**104.0**	88.7	117.5
Belaga	**60.8**	57.7	65.4
Miri	**75.8**	99.4	50.8
Marudi	**144.0**	186.3	95.3
Limbang	**195.9**	258.2	130.6
Lawas	**117.3**	159.0	72.8
Matu	**73.3**	111.2	27.1
Asajaya	**109.9**	89.7	130.4
Pakan	**95.3**	105.8	84.1
Selangau	**85.7**	107.1	61.2
Tebedu	**70.6**	60.1	82.2
Pusa	**162.2**	282.4	45.7
Kabong	**147.9**	148.7	147.0
Tanjung Manis	**76.0**	142.0	-
Sebauh	**40.0**	39.2	40.9
Bukit Mabong	**166.1**	177.8	146.8
Subis	**99.7**	111.0	85.4
Beluru	**112.7**	143.3	73.4
Telang Usan	**45.6**	63.4	24.8

Jadual 13.5: Kadar kematian pramatang yang berpunca daripada *Cardiovascular diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.5: Premature mortality rate attributed to Cardiovascular diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Selangor	**98.4**	**140.5**	**51.2**
Gombak	**84.3**	118.0	48.1
Klang	**119.5**	169.1	60.7
Kuala Langat	**145.4**	204.7	80.8
Kuala Selangor	**121.3**	187.3	53.4
Petaling	**75.3**	110.2	36.4
Sabak Bernam	**223.1**	326.5	112.5
Sepang	**90.0**	123.3	51.4
Ulu Langat	**93.8**	127.8	55.6
Ulu Selangor	**177.6**	272.2	70.3
Terengganu	**201.6**	**263.4**	**136.7**
Besut	**185.0**	240.1	128.8
Dungun	**157.8**	189.2	124.0
Kemaman	**174.6**	233.4	107.5
Kuala Terengganu	**273.7**	396.8	151.9
Marang	**223.8**	302.7	144.4
Hulu Terengganu	**256.4**	290.3	217.9
Setiu	**215.2**	255.0	173.9
Kuala Nerus	**140.0**	163.2	116.6
W.P. Kuala Lumpur	**99.0**	**136.5**	**55.1**
W.P. Labuan	**80.4**	**112.3**	**46.2**
W.P. Putrajaya	**89.6**	**140.3**	**44.2**

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.6: Kadar kematian pramatang yang berpunca daripada *Cancer* mengikut daerah pentadbiran dan jantina, Malaysia, 2023

Table 13.6: Premature mortality rate attributed to Cancer by administrative district and sex, Malaysia, 2023

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Malaysia	**66.0**	**61.1**	**71.2**
Johor	**67.2**	**60.4**	**74.9**
Batu Pahat	**70.4**	69.2	71.7
Johor Bahru	**58.9**	52.0	66.7
Kluang	**90.6**	72.1	113.2
Kota Tinggi	**85.3**	69.6	103.0
Mersing	**67.9**	81.4	52.4
Muar	**63.2**	59.1	68.3
Pontian	**91.4**	100.5	81.0
Segamat	**75.4**	64.2	87.5
Kulai	**56.7**	49.3	65.3
Tangkak	**63.5**	50.3	77.7
Kedah	**77.4**	**74.0**	**80.8**
Baling	**99.8**	113.2	86.4
Bandar Baharu	**125.8**	125.4	126.2
Kota Setar	**90.6**	93.0	88.4
Kuala Muda	**85.1**	73.4	96.8
Kubang Pasu	**63.3**	77.6	50.3
Kulim	**51.8**	32.8	70.7
Langkawi	**65.7**	95.8	34.6
Padang Terap	**76.3**	100.9	51.2
Sik	**98.6**	63.8	133.0
Yan	**57.7**	45.8	69.1
Pendang	**79.4**	77.7	81.1
Pokok Sena	**57.3**	34.8	84.7
Kelantan[1]	**65.8**	**59.3**	**72.2**
Bachok	**96.1**	83.1	108.7
Kota Bharu	**58.1**	46.3	69.6
Machang	**83.8**	94.3	73.4
Pasir Mas	**54.4**	46.3	62.3
Pasir Puteh	**127.5**	101.6	152.3
Tanah Merah	**48.0**	49.6	46.4
Tumpat	**77.0**	85.4	69.4
Gua Musang	**27.6**	27.5	27.6
Kuala Krai	**49.1**	44.9	53.3
Jeli	**52.6**	74.8	29.3
Kecil Lojing	**57.0**	-	124.2

Nota/ *Note* : [1] Jajahan

Jadual 13.6: Kadar kematian pramatang yang berpunca daripada *Cancer* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.6: Premature mortality rate attributed to Cancer by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Melaka	**71.0**	**69.3**	**72.9**
Alor Gajah	**65.5**	75.8	54.5
Jasin	**105.8**	97.1	115.8
Melaka Tengah	**64.7**	59.9	70.2
Negeri Sembilan	**75.3**	**68.1**	**83.1**
Jelebu	**98.7**	128.8	62.3
Kuala Pilah	**115.0**	122.3	107.1
Port Dickson	**101.4**	72.7	133.4
Rembau	**115.7**	103.7	128.3
Seremban	**62.6**	56.4	69.2
Tampin	**80.2**	86.8	72.3
Jempol	**72.7**	49.8	97.2
Pahang	**58.2**	**55.3**	**61.6**
Bentong	**54.6**	45.1	67.9
Cameron Highlands	**52.8**	43.9	66.3
Jerantut	**68.5**	76.6	59.0
Kuantan	**48.9**	47.1	50.9
Lipis	**57.5**	42.3	75.6
Pekan	**35.1**	39.8	29.5
Raub	**70.6**	81.1	58.0
Temerloh	**94.0**	79.9	108.6
Rompin	**46.6**	36.8	58.2
Maran	**57.7**	42.9	74.4
Bera	**73.7**	95.2	48.5
Perak	**81.8**	**80.4**	**83.2**
Batang Padang	**75.1**	95.2	52.2
Manjung	**79.5**	57.9	103.9
Kinta	**82.6**	81.2	84.1
Kerian	**64.7**	63.5	66.0
Kuala Kangsar	**68.6**	73.2	64.0
Larut & Matang	**101.2**	111.3	90.7
Hilir Perak	**98.4**	99.1	97.6
Hulu Perak	**84.9**	69.7	101.4
Perak Tengah	**98.4**	97.7	99.1
Kampar	**97.6**	103.8	91.4
Muallim	**43.2**	49.3	36.8
Bagan Datuk	**40.4**	33.7	49.1
Selama	**102.9**	75.8	130.8

Jadual 13.6: Kadar kematian pramatang yang berpunca daripada *Cancer* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.6: Premature mortality rate attributed to Cancer by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Perlis	**72.4**	**51.3**	**92.2**
Pulau Pinang	**68.2**	**65.2**	**71.1**
Seberang Perai Tengah	**55.5**	50.3	61.1
Seberang Perai Utara	**63.2**	53.5	72.8
Seberang Perai Selatan	**77.4**	63.9	90.8
Timur Laut	**76.9**	81.0	72.9
Barat Daya	**69.3**	72.8	65.9
Sabah	**64.2**	**57.2**	**71.7**
Tawau	**38.4**	31.9	45.8
Lahad Datu	**49.3**	45.7	53.5
Semporna	**57.6**	32.6	84.4
Sandakan	**49.0**	47.5	50.7
Kinabatangan	**19.0**	12.1	28.1
Beluran	**27.6**	34.3	19.9
Kota Kinabalu	**59.2**	53.4	65.3
Ranau	**100.1**	88.5	111.7
Kota Belud	**88.4**	67.9	108.1
Tuaran	**99.8**	97.2	102.3
Penampang	**77.6**	65.8	90.6
Papar	**96.1**	89.8	103.3
Kudat	**77.7**	85.6	69.8
Kota Marudu	**45.6**	35.0	56.1
Pitas	**116.6**	125.9	106.8
Beaufort	**131.0**	106.0	158.2
Kuala Penyu	**112.2**	101.5	123.1
Sipitang	**119.0**	96.4	143.6
Tenom	**118.3**	150.9	85.4
Nabawan	**101.3**	115.3	86.7
Keningau	**81.4**	88.7	73.9
Tambunan	**175.1**	162.8	186.9
Kunak	**71.2**	36.8	114.0
Tongod	**40.1**	32.1	49.4
Putatan	**78.1**	66.3	90.1
Telupid	**8.1**	14.9	-
Kalabakan	**29.3**	17.2	44.9

Jadual 13.6: Kadar kematian pramatang yang berpunca daripada *Cancer* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.6: Premature mortality rate attributed to Cancer by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Sarawak	**78.6**	**81.5**	**75.5**
Kuching	**74.6**	77.2	72.1
Bau	**72.4**	58.8	87.0
Lundu	**67.3**	56.8	79.5
Samarahan	**32.8**	29.2	36.3
Serian	**118.6**	164.5	71.0
Simunjan	**96.2**	86.2	107.2
Sri Aman	**59.8**	70.8	48.0
Lubok Antu	**70.2**	61.1	79.8
Betong	**80.7**	50.8	114.5
Saratok	**70.1**	31.2	108.7
Sarikei	**81.2**	73.9	88.2
Maradong	**102.6**	104.4	100.9
Daro	**21.7**	39.6	-
Julau	**92.8**	133.5	52.6
Sibu	**104.7**	122.0	87.2
Dalat	**59.1**	76.5	40.7
Mukah	**60.1**	55.6	65.4
Kanowit	**176.2**	185.9	166.8
Bintulu	**49.3**	49.8	48.7
Tatau	**49.6**	67.3	27.7
Kapit	**88.2**	94.0	82.4
Song	**145.6**	133.0	156.6
Belaga	**69.5**	28.9	130.8
Miri	**69.6**	67.8	71.5
Marudi	**121.8**	207.0	23.8
Limbang	**109.3**	80.1	139.9
Lawas	**129.0**	113.6	145.6
Matu	**97.7**	155.7	27.1
Asajaya	**109.9**	115.4	104.4
Pakan	**54.4**	52.9	56.1
Selangau	**85.7**	107.1	61.2
Tebedu	**133.4**	120.1	148.0
Pusa	**104.3**	141.2	68.5
Kabong	**116.2**	127.5	105.0
Tanjung Manis	**101.4**	94.7	109.2
Sebauh	**34.2**	29.4	40.9
Bukit Mabong	**110.7**	148.1	48.9
Subis	**65.3**	49.3	85.4
Beluru	**88.5**	86.0	91.8
Telang Usan	**79.8**	105.7	49.5

Jadual 13.6: Kadar kematian pramatang yang berpunca daripada *Cancer* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.6: Premature mortality rate attributed to Cancer by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Selangor	**53.2**	**47.4**	**59.7**
Gombak	**49.9**	52.4	47.3
Klang	**58.7**	49.9	69.1
Kuala Langat	**59.7**	42.6	78.2
Kuala Selangor	**58.9**	56.1	61.8
Petaling	**44.9**	39.4	51.0
Sabak Bernam	**103.1**	101.6	104.8
Sepang	**44.1**	37.8	51.4
Ulu Langat	**57.6**	51.7	64.2
Ulu Selangor	**70.7**	52.9	90.9
Terengganu	**70.9**	**64.1**	**78.0**
Besut	**70.0**	89.3	50.3
Dungun	**55.1**	51.6	58.9
Kemaman	**41.2**	35.8	47.3
Kuala Terengganu	**106.1**	83.7	128.3
Marang	**66.2**	50.4	82.0
Hulu Terengganu	**83.4**	75.5	92.4
Setiu	**85.3**	71.7	99.4
Kuala Nerus	**70.8**	70.4	71.2
W.P. Kuala Lumpur	**62.3**	**57.4**	**68.2**
W.P. Labuan	**42.4**	**34.5**	**50.9**
W.P. Putrajaya	**66.3**	**41.7**	**88.4**

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.7: Kadar kematian pramatang yang berpunca daripada *Diabetes* mengikut daerah pentadbiran dan jantina, Malaysia, 2023

Table 13.7: Premature mortality rate attributed to Diabetes by administrative district and sex, Malaysia, 2023

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Malaysia	**6.3**	**6.6**	**6.0**
Johor	**5.2**	**5.9**	**4.4**
Batu Pahat	**4.9**	3.1	6.9
Johor Bahru	**3.0**	4.5	1.3
Kluang	**13.0**	16.6	8.7
Kota Tinggi	**5.7**	5.4	6.1
Mersing	**5.4**	5.1	5.8
Muar	**5.4**	7.4	3.0
Pontian	**15.8**	13.7	18.3
Segamat	**4.0**	5.8	2.1
Kulai	**4.3**	2.3	6.7
Tangkak	**3.7**	4.8	2.6
Kedah	**21.4**	**22.3**	**20.5**
Baling	**23.3**	23.3	23.3
Bandar Baharu	**62.9**	62.7	63.1
Kota Setar	**15.9**	16.6	15.3
Kuala Muda	**22.2**	21.4	23.0
Kubang Pasu	**26.4**	29.8	23.4
Kulim	**12.4**	19.7	5.2
Langkawi	**12.2**	9.6	14.8
Padang Terap	**25.4**	21.6	29.3
Sik	**28.2**	28.4	28.0
Yan	**22.4**	32.7	12.6
Pendang	**31.3**	14.6	47.7
Pokok Sena	**33.4**	34.8	31.8
Kelantan[1]	**9.2**	**8.5**	**9.8**
Bachok	**27.7**	29.9	25.6
Kota Bharu	**3.5**	3.6	3.5
Machang	**22.2**	19.9	24.5
Pasir Mas	**8.7**	6.6	10.7
Pasir Puteh	**4.0**	8.1	-
Tanah Merah	**9.9**	3.3	16.6
Tumpat	**17.4**	18.3	16.7
Gua Musang	**-**	-	-
Kuala Krai	**4.5**	-	8.9
Jeli	**4.8**	9.3	-
Kecil Lojing	**-**	-	-

Nota/ *Note* : [1] Jajahan

Jadual 13.7: Kadar kematian pramatang yang berpunca daripada *Diabetes* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.7: Premature mortality rate attributed to Diabetes by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Melaka	**2.5**	**3.1**	**1.8**
Alor Gajah	**4.3**	6.6	1.8
Jasin	**2.8**	2.6	3.0
Melaka Tengah	**1.7**	1.9	1.5
Negeri Sembilan	**7.7**	**8.4**	**6.9**
Jelebu	**42.3**	68.7	10.4
Kuala Pilah	**6.1**	-	12.6
Port Dickson	**11.6**	9.5	14.0
Rembau	**19.3**	28.3	9.9
Seremban	**3.6**	2.3	4.9
Tampin	**16.5**	21.7	10.3
Jempol	**4.8**	6.2	3.4
Pahang	**6.2**	**5.1**	**7.6**
Bentong	**3.5**	3.0	4.2
Cameron Highlands	**-**	-	-
Jerantut	**9.1**	8.5	9.8
Kuantan	**0.8**	0.7	0.8
Lipis	**-**	-	-
Pekan	**-**	-	-
Raub	**6.6**	4.1	9.7
Temerloh	**26.7**	22.5	31.0
Rompin	**11.1**	8.2	14.6
Maran	**2.1**	3.9	-
Bera	**17.9**	12.4	24.3
Perak	**8.1**	**8.2**	**8.1**
Batang Padang	**5.2**	3.3	7.5
Manjung	**6.0**	4.8	7.3
Kinta	**3.6**	3.9	3.3
Kerian	**7.8**	12.7	2.6
Kuala Kangsar	**6.4**	2.5	10.2
Larut & Matang	**17.1**	19.8	14.3
Hilir Perak	**23.9**	19.8	28.3
Hulu Perak	**12.1**	9.3	15.2
Perak Tengah	**2.5**	4.9	-
Kampar	**2.3**	-	4.6
Muallim	**3.6**	-	7.4
Bagan Datuk	**7.1**	12.6	-
Selama	**64.3**	63.2	65.4

Jadual 13.7: Kadar kematian pramatang yang berpunca daripada *Diabetes* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.7: Premature mortality rate attributed to Diabetes by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Perlis	**7.8**	**6.4**	**9.1**
Pulau Pinang	**9.3**	**12.2**	**6.4**
Seberang Perai Tengah	**9.5**	12.2	6.7
Seberang Perai Utara	**16.8**	26.7	6.9
Seberang Perai Selatan	**14.4**	14.4	14.5
Timur Laut	**4.0**	4.7	3.3
Barat Daya	**7.3**	8.3	6.4
Sabah	**3.2**	**4.2**	**2.1**
Tawau	**0.6**	-	1.3
Lahad Datu	**1.0**	-	2.2
Semporna	**1.4**	-	2.9
Sandakan	**4.1**	5.0	3.2
Kinabatangan	**-**	-	-
Beluran	**-**	-	-
Kota Kinabalu	**2.2**	3.5	0.9
Ranau	**-**	-	-
Kota Belud	**2.2**	-	4.3
Tuaran	**7.1**	10.8	3.5
Penampang	**1.4**	2.6	-
Papar	**8.6**	12.8	3.7
Kudat	**-**	-	-
Kota Marudu	**10.5**	14.0	7.0
Pitas	**-**	-	-
Beaufort	**10.3**	19.9	-
Kuala Penyu	**20.4**	40.6	-
Sipitang	**12.5**	12.0	13.1
Tenom	**-**	-	-
Nabawan	**8.4**	16.5	-
Keningau	**3.2**	6.3	-
Tambunan	**15.9**	16.3	15.6
Kunak	**13.6**	12.3	15.2
Tongod	**-**	-	-
Putatan	**3.7**	7.4	-
Telupid	**-**	-	-
Kalabakan	**-**	-	-

Jadual 13.7: Kadar kematian pramatang yang berpunca daripada *Diabetes* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.7: Premature mortality rate attributed to Diabetes by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Sarawak	**3.7**	**3.7**	**3.7**
Kuching	**4.7**	4.7	4.6
Bau	**3.8**	7.4	-
Lundu	**-**	-	-
Samarahan	**1.8**	-	3.6
Serian	**9.3**	13.7	4.7
Simunjan	**-**	-	-
Sri Aman	**-**	-	-
Lubok Antu	**-**	-	-
Betong	**5.4**	10.2	-
Saratok	**7.8**	-	15.5
Sarikei	**9.0**	-	17.6
Maradong	**-**	-	-
Daro	**-**	-	-
Julau	**-**	-	-
Sibu	**3.2**	4.8	1.6
Dalat	**9.9**	19.1	-
Mukah	**5.0**	9.3	-
Kanowit	**-**	-	-
Bintulu	**-**	-	-
Tatau	**6.2**	-	13.9
Kapit	**11.8**	-	23.5
Song	**-**	-	-
Belaga	**-**	-	-
Miri	**0.8**	1.5	-
Marudi	**-**	-	-
Limbang	**22.8**	26.7	18.7
Lawas	**11.7**	11.4	12.1
Matu	**-**	-	-
Asajaya	**-**	-	-
Pakan	**-**	-	-
Selangau	**-**	-	-
Tebedu	**7.8**	-	16.4
Pusa	**34.8**	23.5	45.7
Kabong	**-**	-	-
Tanjung Manis	**-**	-	-
Sebauh	**-**	-	-
Bukit Mabong	**-**	-	-
Subis	**-**	-	-
Beluru	**-**	-	-
Telang Usan	**-**	-	-

Jadual 13.7: Kadar kematian pramatang yang berpunca daripada *Diabetes* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.7: Premature mortality rate attributed to Diabetes by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Selangor	**1.9**	**1.9**	**1.9**
Gombak	**1.8**	1.6	2.1
Klang	**3.6**	2.9	4.6
Kuala Langat	**4.4**	3.7	5.3
Kuala Selangor	**6.2**	6.8	5.6
Petaling	**0.5**	0.6	0.4
Sabak Bernam	**5.6**	7.3	3.9
Sepang	**1.2**	1.1	1.3
Ulu Langat	**1.4**	1.8	0.9
Ulu Selangor	**1.6**	1.5	1.7
Terengganu	**18.5**	**17.5**	**19.6**
Besut	**3.1**	6.2	-
Dungun	**14.9**	8.6	21.7
Kemaman	**13.0**	13.2	12.9
Kuala Terengganu	**34.7**	37.9	31.6
Marang	**31.1**	27.2	35.1
Hulu Terengganu	**24.7**	17.4	33.0
Setiu	**12.2**	8.0	16.6
Kuala Nerus	**9.7**	9.6	9.7
W.P. Kuala Lumpur	**6.4**	**7.4**	**5.2**
W.P. Labuan	**-**	-	-
W.P. Putrajaya	**5.4**	7.6	3.4

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.8: Kadar kematian pramatang yang berpunca daripada *Chronic respiratory diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023

Table 13.8: Premature mortality rate attributed to Chronic respiratory diseases by administrative district and sex, Malaysia, 2023

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Malaysia	**15.8**	**20.1**	**11.2**
Johor	**16.4**	**20.4**	**11.8**
Batu Pahat	**15.6**	18.9	12.1
Johor Bahru	**13.3**	17.0	9.1
Kluang	**22.8**	27.2	17.4
Kota Tinggi	**23.7**	25.0	22.2
Mersing	**24.4**	30.5	17.5
Muar	**9.4**	11.1	7.4
Pontian	**26.8**	38.8	13.1
Segamat	**23.1**	36.9	8.3
Kulai	**12.9**	12.6	13.3
Tangkak	**23.6**	28.7	18.1
Kedah	**28.7**	**35.7**	**21.8**
Baling	**26.6**	36.6	16.6
Bandar Baharu	**36.7**	41.8	31.5
Kota Setar	**26.9**	31.9	22.4
Kuala Muda	**26.3**	29.7	23.0
Kubang Pasu	**28.3**	33.8	23.4
Kulim	**32.1**	39.4	24.9
Langkawi	**24.3**	33.5	14.8
Padang Terap	**43.6**	64.9	22.0
Sik	**38.7**	49.6	28.0
Yan	**32.1**	52.4	12.6
Pendang	**26.5**	48.5	4.8
Pokok Sena	**19.1**	8.7	31.8
Kelantan[1]	**15.5**	**18.7**	**12.3**
Bachok	**24.4**	19.9	28.8
Kota Bharu	**9.2**	8.9	9.6
Machang	**22.2**	29.8	14.7
Pasir Mas	**18.5**	28.7	8.6
Pasir Puteh	**25.9**	36.6	15.6
Tanah Merah	**14.9**	13.2	16.6
Tumpat	**21.8**	33.5	11.1
Gua Musang	**2.5**	-	5.5
Kuala Krai	**20.1**	26.9	13.3
Jeli	**-**	-	-
Kecil Lojing	**28.5**	52.7	-

Nota/ *Note* : [1] Jajahan

Jadual 13.8: Kadar kematian pramatang yang berpunca daripada *Chronic respiratory diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.8: Premature mortality rate attributed to Chronic respiratory diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Melaka	**13.4**	**18.5**	**7.6**
Alor Gajah	**16.2**	24.7	7.0
Jasin	**18.3**	21.0	15.2
Melaka Tengah	**11.1**	15.5	6.0
Negeri Sembilan	**21.9**	**27.2**	**16.3**
Jelebu	**14.1**	17.2	10.4
Kuala Pilah	**21.2**	40.8	-
Port Dickson	**29.9**	31.6	28.1
Rembau	**38.6**	47.1	29.6
Seremban	**18.2**	22.1	14.1
Tampin	**25.9**	30.4	20.7
Jempol	**29.1**	37.4	20.1
Pahang	**20.4**	**23.8**	**16.6**
Bentong	**29.9**	42.1	12.7
Cameron Highlands	**5.3**	8.8	-
Jerantut	**20.5**	17.0	24.6
Kuantan	**14.1**	16.9	11.1
Lipis	**32.2**	25.4	40.3
Pekan	**31.2**	32.6	29.5
Raub	**26.5**	32.4	19.3
Temerloh	**12.7**	17.5	7.8
Rompin	**31.0**	40.8	19.4
Maran	**18.5**	19.5	17.5
Bera	**26.8**	29.0	24.3
Perak	**25.6**	**31.8**	**19.0**
Batang Padang	**41.9**	39.4	44.7
Manjung	**20.5**	17.7	23.7
Kinta	**21.9**	28.5	14.9
Kerian	**29.8**	40.7	18.5
Kuala Kangsar	**38.1**	48.0	28.2
Larut & Matang	**26.5**	38.1	14.3
Hilir Perak	**20.9**	19.8	22.0
Hulu Perak	**36.4**	46.4	25.4
Perak Tengah	**40.4**	58.6	20.9
Kampar	**25.0**	31.6	18.3
Muallim	**25.2**	42.2	7.4
Bagan Datuk	**9.5**	12.6	5.5
Selama	**19.3**	12.6	26.2

Jadual 13.8: Kadar kematian pramatang yang berpunca daripada *Chronic respiratory diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.8: Premature mortality rate attributed to Chronic respiratory diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Perlis	**17.1**	**20.9**	**13.6**
Pulau Pinang	**15.9**	**20.9**	**10.9**
Seberang Perai Tengah	**20.9**	28.6	12.4
Seberang Perai Utara	**18.0**	23.3	12.7
Seberang Perai Selatan	**17.5**	24.7	10.3
Timur Laut	**10.8**	14.2	7.4
Barat Daya	**15.5**	16.5	14.5
Sabah	**14.7**	**19.5**	**9.4**
Tawau	**8.4**	13.7	2.5
Lahad Datu	**13.4**	13.3	13.4
Semporna	**7.0**	8.1	5.8
Sandakan	**10.3**	14.9	5.4
Kinabatangan	**1.7**	3.0	-
Beluran	**9.2**	17.1	-
Kota Kinabalu	**13.9**	19.3	8.3
Ranau	**17.7**	23.6	11.8
Kota Belud	**30.9**	31.7	30.3
Tuaran	**26.7**	39.6	14.1
Penampang	**2.8**	2.6	2.9
Papar	**15.4**	16.0	14.8
Kudat	**24.1**	26.8	21.5
Kota Marudu	**42.1**	56.1	28.1
Pitas	**19.4**	25.2	13.3
Beaufort	**27.6**	46.4	7.2
Kuala Penyu	**30.6**	-	61.6
Sipitang	**25.1**	36.1	13.1
Tenom	**47.3**	56.6	38.0
Nabawan	**42.2**	82.4	-
Keningau	**17.6**	25.3	9.6
Tambunan	**23.9**	32.6	15.6
Kunak	**13.6**	24.5	-
Tongod	**11.5**	21.4	-
Putatan	**14.9**	14.7	15.0
Telupid	**-**	-	-
Kalabakan	**14.6**	25.9	-

Jadual 13.8: Kadar kematian pramatang yang berpunca daripada *Chronic respiratory diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.8: Premature mortality rate attributed to Chronic respiratory diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Sarawak	**15.5**	**20.6**	**10.2**
Kuching	**12.3**	19.5	5.3
Bau	**11.4**	22.1	-
Lundu	**12.2**	22.7	-
Samarahan	**5.5**	7.3	3.6
Serian	**20.9**	32.0	9.5
Simunjan	**17.0**	32.3	-
Sri Aman	**6.6**	12.9	-
Lubok Antu	**46.8**	91.6	-
Betong	**26.9**	20.3	34.3
Saratok	**31.1**	31.2	31.1
Sarikei	**45.1**	36.9	52.9
Maradong	**41.0**	62.6	20.2
Daro	**10.8**	19.8	-
Julau	**26.5**	53.4	-
Sibu	**15.2**	19.0	11.3
Dalat	**9.9**	19.1	-
Mukah	**35.1**	46.4	21.8
Kanowit	**50.4**	33.8	66.7
Bintulu	**7.7**	10.0	4.9
Tatau	**-**	-	-
Kapit	**29.4**	35.3	23.5
Song	**-**	-	-
Belaga	**17.4**	28.9	-
Miri	**12.4**	10.5	14.3
Marudi	**22.1**	-	47.6
Limbang	**41.0**	44.5	37.3
Lawas	**23.5**	22.7	24.3
Matu	**-**	-	-
Asajaya	**6.5**	12.8	-
Pakan	**27.2**	52.9	-
Selangau	**19.0**	35.7	-
Tebedu	**7.8**	15.0	-
Pusa	**23.2**	47.1	-
Kabong	**10.6**	21.2	-
Tanjung Manis	**-**	-	-
Sebauh	**22.8**	19.6	27.3
Bukit Mabong	**18.5**	29.6	-
Subis	**13.7**	18.5	7.8
Beluru	**8.0**	14.3	-
Telang Usan	**11.4**	21.1	-

Jadual 13.8: Kadar kematian pramatang yang berpunca daripada *Chronic respiratory diseases* mengikut daerah pentadbiran dan jantina, Malaysia, 2023 (samb.)

Table 13.8: Premature mortality rate attributed to Chronic respiratory diseases by administrative district and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Kadar** *Rate*	**Lelaki** *Male*	**Perempuan** *Female*
Selangor	**9.8**	**12.7**	**6.4**
Gombak	**11.5**	15.9	6.8
Klang	**12.3**	15.4	8.7
Kuala Langat	**10.8**	15.8	5.3
Kuala Selangor	**14.6**	17.8	11.2
Petaling	**6.4**	8.4	4.2
Sabak Bernam	**33.7**	39.9	27.2
Sepang	**6.6**	8.9	3.9
Ulu Langat	**8.0**	11.8	3.7
Ulu Selangor	**20.9**	19.7	22.3
Terengganu	**19.5**	**28.7**	**9.8**
Besut	**15.5**	24.6	6.3
Dungun	**10.4**	11.5	9.3
Kemaman	**16.1**	24.5	6.5
Kuala Terengganu	**26.8**	39.9	13.8
Marang	**17.5**	27.2	7.8
Hulu Terengganu	**27.8**	40.6	13.2
Setiu	**32.5**	47.8	16.6
Kuala Nerus	**19.3**	28.8	9.7
W.P. Kuala Lumpur	**9.7**	**12.6**	**6.3**
W.P. Labuan	**11.2**	**4.3**	**18.5**
W.P. Putrajaya	**3.6**	**3.8**	**3.4**

Kadar adalah bagi setiap 100,000 penduduk berumur 30-69 tahun

The rates are per 100,000 population of aged 30-69 years

Jadual 13.9: Kematian Bunuh diri (bilangan dan kadar) mengikut negeri kejadian dan jantina, Malaysia, 2023

Table 13.9: Suicide deaths (number and rate) by state of occurrence and sex, Malaysia, 2023

	Bunuh diri *Suicide*			**Kadar kematian bunuh diri** *Suicide mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**1,068**	**867**	**201**	**3.2**	**5.0**	**1.3**
Johor	**123**	102	21	**3.0**	4.7	1.1
Kedah	**44**	37	7	**2.0**	3.3	0.7
Kelantan	**21**	17	4	**1.1**	1.8	0.4
Melaka	**23**	17	6	**2.2**	3.1	1.2
Negeri Sembilan	**57**	50	7	**4.7**	7.9	1.2
Pahang	**40**	32	8	**2.4**	3.7	1.0
Perak	**98**	75	23	**3.9**	5.7	1.9
Perlis	**6**	6	-	**2.0**	4.1	-
Pulau Pinang	**123**	99	24	**6.9**	10.9	2.8
Sabah	**33**	28	5	**0.9**	1.5	0.3
Sarawak	**45**	38	7	**1.8**	2.9	0.6
Selangor	**305**	254	51	**4.2**	6.6	1.5
Terengganu	**13**	10	3	**1.1**	1.6	0.5
W.P. Kuala Lumpur	**135**	101	34	**6.7**	9.4	3.6
W.P. Labuan	**2**	1	1	**2.0**	2.0	2.1
W.P. Putrajaya	**-**	-	-	**-**	-	-

Kadar adalah bagi setiap 100,000 penduduk

The rates are per 100,000 population

Jadual 13.10: Kematian Bunuh diri mengikut kewarganegaraan, negeri kejadian dan jantina, Malaysia, 2023

Table 13.10: Suicide deaths by citizenship, state of occurrence and sex, Malaysia, 2023

	Warganegara *Citizens*			**Bukan warganegara** *Non-citizens*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**771**	**602**	**169**	**297**	**265**	**32**
Johor	**85**	66	19	**38**	36	2
Kedah	**40**	33	7	**4**	4	-
Kelantan	**16**	13	3	**5**	4	1
Melaka	**15**	11	4	**8**	6	2
Negeri Sembilan	**44**	37	7	**13**	13	-
Pahang	**26**	19	7	**14**	13	1
Perak	**84**	63	21	**14**	12	2
Perlis	**5**	5	-	**1**	1	-
Pulau Pinang	**96**	73	23	**27**	26	1
Sabah	**28**	26	2	**5**	2	3
Sarawak	**36**	29	7	**9**	9	-
Selangor	**190**	152	38	**115**	102	13
Terengganu	**11**	8	3	**2**	2	-
W.P. Kuala Lumpur	**93**	66	27	**42**	35	7
W.P. Labuan	**2**	1	1	**-**	-	-
W.P. Putrajaya	**-**	-	-	**-**	-	-

Jadual 13.11: Kadar kematian Bunuh diri mengikut kewarganegaraan, negeri kejadian dan jantina, Malaysia, 2023

Table 13.11: Suicide mortality rate by citizenship, state of occurrence and sex, Malaysia, 2023

	Warganegara *Citizens*			Bukan warganegara *Non-citizens*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
MALAYSIA	**2.5**	**3.9**	**1.1**	**10.0**	**12.9**	**3.5**
Johor	**2.3**	3.4	1.0	**11.2**	13.1	3.1
Kedah	**1.9**	3.2	0.7	**4.0**	5.6	-
Kelantan	**0.9**	1.4	0.3	**12.4**	15.3	7.0
Melaka	**1.6**	2.3	0.9	**10.0**	9.7	11.1
Negeri Sembilan	**3.8**	6.3	1.2	**19.4**	26.5	-
Pahang	**1.7**	2.4	0.9	**15.6**	16.3	10.0
Perak	**3.5**	5.2	1.8	**10.0**	9.9	10.1
Perlis	**1.8**	3.5	-	**10.2**	21.9	-
Pulau Pinang	**5.9**	8.9	2.9	**17.1**	28.4	1.5
Sabah	**1.0**	1.9	0.2	**0.5**	0.4	0.7
Sarawak	**1.5**	2.4	0.6	**7.1**	10.4	-
Selangor	**2.9**	4.5	1.2	**18.4**	21.3	8.9
Terengganu	**0.9**	1.4	0.5	**5.8**	7.1	-
W.P. Kuala Lumpur	**5.2**	7.3	3.1	**19.2**	20.8	13.9
W.P. Labuan	**2.3**	2.2	2.3	**-**	-	-
W.P. Putrajaya	**-**	-	-	**-**	-	-

Kadar adalah bagi setiap 100,000 penduduk

The rates are per 100,000 population

Jadual 13.12: Kematian Bunuh diri (bilangan dan kadar) mengikut daerah pentadbiran, negeri kejadian dan jantina, Malaysia, 2023

Table 13.12: Suicide deaths (number and rate) by administrative district, state of occurrence and sex, Malaysia, 2023

Negeri dan daerah pentadbiran *State and administrative district*	**Bunuh Diri** *Suicide*			**Kadar kematian bunuh diri** *Suicide mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Malaysia	**1,068**	**867**	**201**	**3.2**	**5.0**	**1.3**
Johor	**123**	**102**	**21**	**3.0**	**4.7**	**1.1**
Batu Pahat	**14**	14	-	**2.8**	5.3	-
Johor Bahru	**61**	45	16	**3.5**	4.8	1.9
Kluang	**4**	4	-	**1.2**	2.2	-
Kota Tinggi	**5**	4	1	**2.2**	3.3	0.9
Mersing	**1**	1	-	**1.2**	2.3	-
Muar	**10**	8	2	**3.1**	4.6	1.4
Pontian	**4**	4	-	**2.3**	4.2	-
Segamat	**7**	6	1	**3.5**	5.7	1.0
Kulai	**11**	10	1	**3.2**	5.4	0.6
Tangkak	**6**	6	-	**3.6**	6.9	-
Kedah	**44**	**37**	**7**	**2.0**	**3.3**	**0.7**
Baling	**2**	1	1	**1.4**	1.3	1.4
Bandar Baharu	**-**	-	-	**-**	-	-
Kota Setar	**4**	4	-	**1.1**	2.1	-
Kuala Muda	**19**	15	4	**3.4**	5.2	1.5
Kubang Pasu	**3**	3	-	**1.2**	2.4	-
Kulim	**9**	7	2	**2.6**	3.9	1.2
Langkawi	**2**	2	-	**2.0**	3.9	-
Padang Terap	**3**	3	-	**4.5**	8.6	-
Sik	**1**	1	-	**1.4**	2.8	-
Yan	**-**	-	-	**-**	-	-
Pendang	**1**	1	-	**1.0**	1.9	-
Pokok Sena	**-**	-	-	**-**	-	-
Kelantan[1]	**21**	**17**	**4**	**1.1**	**1.8**	**0.4**
Bachok	**2**	1	1	**1.2**	1.3	1.2
Kota Bharu	**7**	6	1	**1.2**	2.1	0.3
Machang	**-**	-	-	**-**	-	-
Pasir Mas	**-**	-	-	**-**	-	-
Pasir Puteh	**1**	1	-	**0.7**	1.4	-
Tanah Merah	**6**	5	1	**3.8**	6.2	1.3
Tumpat	**-**	-	-	**-**	-	-
Gua Musang	**2**	2	-	**1.9**	3.5	-
Kuala Krai	**2**	2	-	**1.8**	3.6	-
Jeli	**1**	-	1	**1.8**	-	3.5
Kecil Lojing	**-**	-	-	**-**	-	-

Nota/ *Note* : [1] Jajahan

Jadual 13.12: Kematian Bunuh diri (bilangan dan kadar) mengikut daerah pentadbiran, negeri kejadian dan jantina, Malaysia, 2023 (samb.)

Table 13.12: Suicide deaths (number and rate) by administrative district, state of occurrence and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Bunuh Diri** *Suicide*			**Kadar kematian bunuh diri** *Suicide mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Melaka	**23**	**17**	**6**	**2.2**	**3.1**	**1.2**
Alor Gajah	**5**	5	-	**2.0**	3.8	-
Jasin	**3**	2	1	**1.9**	2.4	1.4
Melaka Tengah	**15**	10	5	**2.4**	3.1	1.7
Negeri Sembilan	**57**	**50**	**7**	**4.7**	**7.9**	**1.2**
Jelebu	**1**	1	-	**2.1**	3.8	-
Kuala Pilah	**3**	3	-	**4.2**	8.2	-
Port Dickson	**8**	6	2	**6.0**	8.5	3.2
Rembau	**4**	4	-	**8.2**	16.2	-
Seremban	**36**	33	3	**5.1**	9.1	0.9
Tampin	**2**	2	-	**2.2**	4.2	-
Jempol	**3**	1	2	**2.3**	1.5	3.2
Pahang	**40**	**32**	**8**	**2.4**	**3.7**	**1.0**
Bentong	**5**	4	1	**4.2**	5.9	1.9
Cameron Highlands	**2**	2	-	**4.9**	8.4	-
Jerantut	**-**	-	-	**-**	-	-
Kuantan	**14**	11	3	**2.5**	3.7	1.1
Lipis	**2**	2	-	**2.0**	3.7	-
Pekan	**2**	1	1	**1.6**	1.5	1.7
Raub	**2**	2	-	**2.0**	3.8	-
Temerloh	**7**	5	2	**4.0**	5.5	2.4
Rompin	**4**	4	-	**3.9**	7.3	-
Maran	**2**	1	1	**1.7**	1.6	1.8
Bera	-	-	-	-	-	-
Perak	**98**	**75**	**23**	**3.9**	**5.7**	**1.9**
Batang Padang	**5**	5	-	**4.0**	7.4	-
Manjung	**6**	4	2	**2.4**	3.0	1.7
Kinta	**57**	44	13	**6.3**	9.3	3.0
Kerian	**2**	1	1	**1.2**	1.2	1.2
Kuala Kangsar	**5**	2	3	**2.8**	2.2	3.4
Larut & Matang	**13**	11	2	**4.7**	7.7	1.5
Hilir Perak	**6**	4	2	**4.2**	5.3	3.0
Hulu Perak	**-**	-	-	**-**	-	-
Perak Tengah	**-**	-	-	**-**	-	-
Kampar	**4**	4	-	**4.0**	7.9	-
Muallim	**-**	-	-	**-**	-	-
Bagan Datuk	**-**	-	-	**-**	-	-
Selama	**-**	-	-	**-**	-	-

Jadual 13.12: Kematian Bunuh diri (bilangan dan kadar) mengikut daerah pentadbiran, negeri kejadian dan jantina, Malaysia, 2023 (samb.)

Table 13.12: Suicide deaths (number and rate) by administrative district, state of occurrence and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Bunuh Diri** *Suicide*			**Kadar kematian bunuh diri** *Suicide mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Perlis	**6**	**6**	**-**	**2.0**	**4.1**	**-**
Pulau Pinang	**123**	**99**	**24**	**6.9**	**10.9**	**2.8**
Seberang Perai Tengah	**33**	30	3	**7.6**	13.0	1.5
Seberang Perai Utara	**11**	9	2	**3.2**	5.1	1.2
Seberang Perai Selatan	**17**	16	1	**9.1**	17.0	1.1
Timur Laut	**47**	32	15	**8.4**	11.2	5.4
Barat Daya	**15**	12	3	**6.1**	9.8	2.5
Sabah	**33**	**28**	**5**	**0.9**	**1.5**	**0.3**
Tawau	**3**	3	-	**0.8**	1.5	-
Lahad Datu	**2**	2	-	**0.8**	1.6	-
Semporna	**-**	-	-	**-**	-	-
Sandakan	**4**	3	1	**0.9**	1.2	0.4
Kinabatangan	**-**	-	-	**-**	-	-
Beluran	**2**	1	1	**2.4**	2.2	2.6
Kota Kinabalu	**7**	6	1	**1.3**	2.2	0.4
Ranau	**2**	1	1	**2.3**	2.2	2.4
Kota Belud	**2**	2	-	**1.8**	3.6	-
Tuaran	**4**	4	-	**2.9**	5.6	-
Penampang	**3**	2	1	**1.8**	2.3	1.3
Papar	**2**	2	-	**1.3**	2.4	-
Kudat	**-**	-	-	**-**	-	-
Kota Marudu	**-**	-	-	**-**	-	-
Pitas	**-**	-	-	**-**	-	-
Beaufort	**-**	-	-	**-**	-	-
Kuala Penyu	**1**	1	-	**4.1**	8.2	-
Sipitang	**-**	-	-	**-**	-	-
Tenom	**-**	-	-	**-**	-	-
Nabawan	**-**	-	-	**-**	-	-
Keningau	**1**	1	-	**0.6**	1.2	-
Tambunan	**-**	-	-	**-**	-	-
Kunak	**-**	-	-	**-**	-	-
Tongod	**-**	-	-	**-**	-	-
Putatan	**-**	-	-	**-**	-	-
Telupid	**-**	-	-	**-**	-	-
Kalabakan	**-**	-	-	**-**	-	-

Jadual 13.12: Kematian Bunuh diri (bilangan dan kadar) mengikut daerah pentadbiran, negeri kejadian dan jantina, Malaysia, 2023 (samb.)

Table 13.12: Suicide deaths (number and rate) by administrative district, state of occurrence and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Bunuh Diri** *Suicide*			**Kadar kematian bunuh diri** *Suicide mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Sarawak	**45**	**38**	**7**	**1.8**	**2.9**	**0.6**
Kuching	**16**	13	3	**2.6**	4.1	1.0
Bau	**2**	2	-	**3.7**	7.2	-
Lundu	**-**	-	-	**-**	-	-
Samarahan	**3**	-	3	**2.2**	-	4.3
Serian	**1**	1	-	**1.2**	2.2	-
Simunjan	**-**	-	-	**-**	-	-
Sri Aman	**2**	1	1	**3.3**	3.2	3.4
Lubok Antu	**1**	1	-	**4.1**	8.0	-
Betong	**-**	-	-	**-**	-	-
Saratok	**-**	-	-	**-**	-	-
Sarikei	**1**	1	-	**2.2**	4.5	-
Maradong	**1**	1	-	**4.8**	9.7	-
Daro	**1**	1	-	**5.0**	9.3	-
Julau	**-**	-	-	**-**	-	-
Sibu	**5**	5	-	**2.0**	3.8	-
Dalat	**1**	1	-	**4.6**	8.9	-
Mukah	**-**	-	-	**-**	-	-
Kanowit	**-**	-	-	**-**	-	-
Bintulu	**5**	5	-	**2.7**	5.0	-
Tatau	**-**	-	-	**-**	-	-
Kapit	**-**	-	-	**-**	-	-
Song	**-**	-	-	**-**	-	-
Belaga	**-**	-	-	**-**	-	-
Miri	**3**	3	-	**1.2**	2.3	-
Marudi	**-**	-	-	**-**	-	-
Limbang	**-**	-	-	**-**	-	-
Lawas	**-**	-	-	**-**	-	-
Matu	**-**	-	-	**-**	-	-
Asajaya	**-**	-	-	**-**	-	-
Pakan	**-**	-	-	**-**	-	-
Selangau	**-**	-	-	**-**	-	-
Tebedu	**-**	-	-	**-**	-	-
Pusa	**1**	1	-	**5.0**	9.7	-
Kabong	**-**	-	-	**-**	-	-
Tanjung Manis	**1**	1	-	**12.6**	23.9	-
Sebauh	**-**	-	-	**-**	-	-
Bukit Mabong	**-**	-	-	**-**	-	-
Subis	**1**	1	-	**1.8**	3.2	-
Beluru	**-**	-	-	**-**	-	-
Telang Usan	**-**	-	-	**-**	-	-

Jadual 13.12: Kematian Bunuh diri (bilangan dan kadar) mengikut daerah pentadbiran, negeri kejadian dan jantina, Malaysia, 2023 (samb.)

Table 13.12: Suicide deaths (number and rate) by administrative district, state of occurrence and sex, Malaysia, 2023 (cont'd)

Negeri dan daerah pentadbiran *State and administrative district*	**Bunuh Diri** *Suicide*			**Kadar kematian bunuh diri** *Suicide mortality rate*		
	Jumlah *Total*	**Lelaki** *Male*	**Perempuan** *Female*	**Jumlah** *Total*	**Lelaki** *Male*	**Perempuan** *Female*
Selangor	**305**	**254**	**51**	**4.2**	**6.6**	**1.5**
Gombak	**29**	23	6	**3.0**	4.6	1.3
Klang	**69**	58	11	**6.1**	9.4	2.1
Kuala Langat	**17**	16	1	**5.3**	9.5	0.7
Kuala Selangor	**6**	6	-	**2.0**	4.0	-
Petaling	**96**	80	16	**4.1**	6.5	1.5
Sabak Bernam	**3**	3	-	**2.7**	5.3	-
Sepang	**25**	20	5	**7.4**	11.0	3.2
Ulu Langat	**50**	41	9	**3.4**	5.3	1.3
Ulu Selangor	**10**	7	3	**4.0**	5.2	2.5
Terengganu	**13**	**10**	**3**	**1.1**	**1.6**	**0.5**
Besut	**2**	2	-	**1.2**	2.4	-
Dungun	**-**	-	-	**-**	-	-
Kemaman	**2**	2	-	**0.9**	1.7	-
Kuala Terengganu	**5**	3	2	**2.1**	2.5	1.7
Marang	**2**	1	1	**1.6**	1.6	1.6
Hulu Terengganu	**-**	-	-	**-**	-	-
Setiu	**-**	-	-	**-**	-	-
Kuala Nerus	**2**	2	-	**1.3**	2.6	-
W.P. Kuala Lumpur	**135**	**101**	**34**	**6.7**	**9.4**	**3.6**
W.P. Labuan	**2**	**1**	**1**	**2.0**	**2.0**	**2.1**
W.P. Putrajaya	**-**	-	-	**-**	-	-

Kadar adalah bagi setiap 100,000 penduduk

The rates are per 100,000 population

SIRI MASA SEBAB KEMATIAN

TIME SERIES OF CAUSES OF DEATHS

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Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023

	Disahkan secara perubatan *Medically certified*	**Bil.** *No.*	*%*	**Tidak disahkan secara perubatan** *Non-medically certified*	**Bil.** *No.*	*%*
2000	1. *Ischaemic heart diseases*	4,546	11.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	26,559	43.2
	2. *Cerebrovascular diseases*	3,237	8.2	Lelah *Asthma*	3,593	5.8
	3. *Transport accidents*	2,908	7.4	Demam *Fever*	2,101	3.4
	4. *Septicaemia*	2,741	7.0	Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1,366	2.2
	5. *Pneumonia*	1,822	4.6	Darah tinggi *Hypertension*	1,214	2.0
	Keseluruhan sebab *All causes*	**39,282**		**Keseluruhan sebab** *All causes*	**61,425**	
2001	1. *Ischaemic heart diseases*	5,207	11.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	26,969	45.2
	2. *Cerebrovascular diseases*	3,651	8.1	Lelah *Asthma*	3,295	5.5
	3. *Septicaemia*	3,171	7.1	Demam *Fever*	2,219	3.7
	4. *Transport accidents*	3,093	6.9	Kencing manis *Diabetes mellitus*	1,160	1.9
	5. *Pneumonia*	2,374	5.3	Darah tinggi *Hypertension*	1,084	1.8
	Keseluruhan sebab *All causes*	**44,820**		**Keseluruhan sebab** *All causes*	**59,711**	
2002	1. *Ischaemic heart diseases*	5,774	11.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	29,258	47.3
	2. *Cerebrovascular diseases*	3,795	7.8	Lelah *Asthma*	3,347	5.4
	3. *Septicaemia*	3,533	7.3	Demam *Fever*	2,052	3.3
	4. *Transport accidents*	3,265	6.7	Kencing manis *Diabetes mellitus*	1,236	2.0
	5. *Pneumonia*	2,539	5.2	Darah tinggi *Hypertension*	1,100	1.8
	Keseluruhan sebab *All causes*	**48,536**		**Keseluruhan sebab** *All causes*	**61,831**	

Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023 (samb.)

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
2003	1. *Ischaemic heart diseases*	5,957	11.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	30,952	49.5
	2. *Septicaemia*	4,377	8.7	Lelah *Asthma*	3,338	5.3
	3. *Cerebrovascular diseases*	3,974	7.9	Demam *Fever*	1,790	2.9
	4. *Transport accidents*	3,603	7.2	Kencing manis *Diabetes mellitus*	1,374	2.2
	5. *Pneumonia*	2,718	5.4	Darah tinggi *Hypertension*	1,147	1.8
	Keseluruhan sebab *All causes*	**50,178**		**Keseluruhan sebab** *All causes*	**62,566**	
2004	1. *Ischaemic heart diseases*	6,267	12.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	30,649	50.2
	2. *Septicaemia*	4,478	8.6	Lelah *Asthma*	3,440	5.6
	3. *Cerebrovascular diseases*	4,030	7.7	Demam *Fever*	1,476	2.4
	4. *Transport accidents*	3,615	6.9	Kencing manis *Diabetes mellitus*	1,311	2.1
	5. *Pneumonia*	2,966	5.7	Darah tinggi *Hypertension*	1,132	1.9
	Keseluruhan sebab *All causes*	**52,168**		**Keseluruhan sebab** *All causes*	**61,024**	
2005	1. *Ischaemic heart diseases*	7,074	13.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	31,789	52.2
	2. *Cerebrovascular diseases*	4,289	7.9	Lelah *Asthma*	3,678	6.0
	3. *Septicaemia*	4,044	7.4	Kencing manis *Diabetes mellitus*	1,603	2.6
	4. *Transport accidents*	3,721	6.8	Demam *Fever*	1,261	2.1
	5. *Pneumonia*	3,297	6.0	Darah tinggi *Hypertension*	1,252	2.1
	Keseluruhan sebab *All causes*	**54,560**		**Keseluruhan sebab** *All causes*	**60,876**	

Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023 (samb.)

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
2006	1. *Ischaemic heart diseases*	7,836	13.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	31,465	51.6
	2. *Cerebrovascular diseases*	4,285	7.5	Lelah *Asthma*	3,688	6.0
	3. *Septicaemia*	4,053	7.1	Kencing manis *Diabetes mellitus*	1,759	2.9
	4. *Transport accidents*	3,908	6.9	Darah tinggi *Hypertension*	1,306	2.1
	5. *Pneumonia*	3,602	6.3	Penyakit serebrovaskular *Cerebrovascular diseases*	1,192	2.0
	Keseluruhan sebab *All causes*	**56,777**		**Keseluruhan sebab** *All causes*	**61,001**	
2007	1. *Ischaemic heart diseases*	8,776	14.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	31,871	52.6
	2. *Cerebrovascular diseases*	4,465	7.4	Lelah *Asthma*	3,594	5.9
	3. *Pneumonia*	4,249	7.1	Kencing manis *Diabetes mellitus*	1,633	2.7
	4. *Transport accidents*	3,990	6.6	Darah tinggi *Hypertension*	1,319	2.2
	5. *Septicaemia*	3,975	6.6	Penyakit serebrovaskular *Cerebrovascular diseases*	1,209	2.0
	Keseluruhan sebab *All causes*	**60,096**		**Keseluruhan sebab** *All causes*	**60,574**	
2008	1. *Ischaemic heart diseases*	9,435	14.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	33,545	53.7
	2. *Pneumonia*	5,254	8.1	Lelah *Asthma*	3,671	5.9
	3. *Cerebrovascular diseases*	4,637	7.2	Kencing manis *Diabetes mellitus*	1,614	2.6
	4. *Transport accidents*	4,290	6.6	Darah tinggi *Hypertension*	1,411	2.3
	5. *Septicaemia*	3,735	5.8	Penyakit serebrovaskular *Cerebrovascular diseases*	1,309	2.1
	Keseluruhan sebab *All causes*	**64,587**		**Keseluruhan sebab** *All causes*	**62,511**	

Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023 (samb.)

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
2009	1. *Ischaemic heart diseases*	9,361	13.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	34,851	54.6
	2. *Pneumonia*	6,106	9.0	Lelah *Asthma*	3,538	5.5
	3. *Transport accidents*	4,585	6.8	Kencing manis *Diabetes mellitus*	1,809	2.8
	4. *Cerebrovascular diseases*	4,511	6.7	Penyakit serebrovaskular *Cerebrovascular diseases*	1,308	2.0
	5. *Septicaemia*	4,217	6.2	Darah tinggi *Hypertension*	1,264	2.0
	Keseluruhan sebab *All causes*	**67,488**		**Keseluruhan sebab** *All causes*	**63,840**	
2010	1. *Ischaemic heart diseases*	9,371	13.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	34,130	54.6
	2. *Pneumonia*	6,504	9.5	Lelah *Asthma*	3,188	5.1
	3. *Cerebrovascular diseases*	4,763	7.0	Kencing manis *Diabetes mellitus*	1,738	2.8
	4. *Transport accidents*	4,683	6.8	Darah tinggi *Hypertension*	1,407	2.3
	5. *Septicaemia*	4,526	6.6	Penyakit serebrovaskular *Cerebrovascular diseases*	1,281	2.1
	Keseluruhan sebab *All causes*	**68,518**		**Keseluruhan sebab** *All causes*	**62,460**	
2011	1. *Ischaemic heart diseases*	10,004	14.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	35,840	55.5
	2. *Pneumonia*	7,518	10.6	Lelah *Asthma*	2,999	4.6
	3. *Cerebrovascular diseases*	5,112	7.2	Kencing manis *Diabetes mellitus*	1,709	2.6
	4. *Septicaemia*	4,540	6.4	Darah tinggi *Hypertension*	1,439	2.2
	5. *Transport accidents*	4,502	6.4	Penyakit serebrovaskular *Cerebrovascular diseases*	1,319	2.0
	Keseluruhan sebab *All causes*	**70,835**		**Keseluruhan sebab** *All causes*	**64,628**	

Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023 (samb.)

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
2012	1. *Ischaemic heart diseases*	10,091	14.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	37,353	55.9
	2. *Pneumonia*	8,031	11.2	Lelah *Asthma*	2,970	4.4
	3. *Cerebrovascular diseases*	5,220	7.3	Kencing manis *Diabetes mellitus*	1,865	2.8
	4. *Septicaemia*	4,698	6.5	Penyakit serebrovaskular *Cerebrovascular diseases*	1,595	2.4
	5. *Transport accidents*	4,566	6.4	Darah tinggi *Hypertension*	1,502	2.2
	Keseluruhan sebab *All causes*	**71,848**		**Keseluruhan sebab** *All causes*	**66,844**	
2013	1. *Ischaemic heart diseases*	10,169	13.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	37,068	54.5
	2. *Pneumonia*	9,142	12.3	Lelah *Asthma*	2,823	4.1
	3. *Cerebrovascular diseases*	5,156	7.0	Kencing manis *Diabetes mellitus*	1,869	2.7
	4. *Septicaemia*	4,611	6.2	Penyakit serebrovaskular *Cerebrovascular diseases*	1,721	2.5
	5. *Transport accidents*	4,538	6.1	Darah tinggi *Hypertension*	1,603	2.4
	Keseluruhan sebab *All causes*	**74,147**		**Keseluruhan sebab** *All causes*	**68,055**	
2014	1. *Ischaemic heart diseases*	10,432	13.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	38,065	52.2
	2. *Pneumonia*	9,250	12.0	Kencing manis *Diabetes mellitus*	2,161	3.0
	3. *Cerebrovascular diseases*	5,474	7.1	Penyakit serebrovaskular *Cerebrovascular diseases*	1,804	2.5
	4. *Septicaemia*	4,698	6.1	Darah tinggi *Hypertension*	1,755	2.4
	5. *Transport accidents*	4,304	5.6	Lelah *Asthma*	1,728	2.4
	Keseluruhan sebab *All causes*	**77,365**		**Keseluruhan sebab** *All causes*	**72,953**	

Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023 (samb.)

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
2015	1. *Ischaemic heart diseases*	11,018	13.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	37,869	50.4
	2. *Pneumonia*	10,200	12.6	Kencing manis *Diabetes mellitus*	2,233	3.0
	3. *Cerebrovascular diseases*	5,678	7.0	Darah tinggi *Hypertension*	2,009	2.7
	4. *Transport accidents*	4,196	5.2	Penyakit serebrovaskular *Cerebrovascular diseases*	1,891	2.5
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,809	2.2	Lelah *Asthma*	1,677	2.2
	Keseluruhan sebab *All causes*	**80,691**		**Keseluruhan sebab** *All causes*	**75,095**	
2016	1. *Ischaemic heart diseases*	11,310	13.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	38,452	50.2
	2. *Pneumonia*	10,678	12.5	Kencing manis *Diabetes mellitus*	2,286	3.0
	3. *Cerebrovascular diseases*	5,876	6.9	Darah tinggi *Hypertension*	2,090	2.7
	4. *Transport accidents*	4,640	5.4	Penyakit serebrovaskular *Cerebrovascular diseases*	2,018	2.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,850	2.2	Lelah *Asthma*	1,635	2.1
	Keseluruhan sebab *All causes*	**85,637**		**Keseluruhan sebab** *All causes*	**76,564**	
2017	1. *Ischaemic heart diseases*	13,503	13.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	35,057	49.6
	2. *Pneumonia*	12,365	12.7	Kencing manis *Diabetes mellitus*	2,243	3.2
	3. *Cerebrovascular diseases*	6,878	7.1	Darah tinggi *Hypertension*	2,187	3.1
	4. *Transport accidents*	4,499	4.6	Penyakit serebrovaskular *Cerebrovascular diseases*	1,871	2.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	2,251	2.3	Lelah *Asthma*	1,328	1.9
	Keseluruhan sebab *All causes*	**97,440**		**Keseluruhan sebab** *All causes*	**70,728**	

Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023 (samb.)

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
2018	1. *Ischaemic heart diseases*	18,267	15.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	25,549	46.8
	2. *Pneumonia*	13,804	11.8	Darah tinggi *Hypertension*	2,131	3.9
	3. *Cerebrovascular diseases*	9,154	7.8	Kencing manis *Diabetes mellitus*	1,889	3.5
	4. *Transport accidents*	4,391	3.7	Penyakit serebrovaskular *Cerebrovascular diseases*	1,483	2.7
	5. *Chronic lower respiratory diseases*	3,074	2.6	Lelah *Asthma*	1,043	1.9
	Keseluruhan sebab *All causes*	**117,387**		**Keseluruhan sebab** *All causes*	**54,644**	
2019	1. *Ischaemic heart diseases*	16,336	14.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	30,729	47.4
	2. *Pneumonia*	13,384	12.2	Darah tinggi *Hypertension*	2,397	3.7
	3. *Cerebrovascular diseases*	8,699	7.9	Kencing manis *Diabetes mellitus*	1,999	3.1
	4. *Transport accidents*	4,201	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	1,715	2.6
	5. *Malignant neoplasm of trachea, bronchus and lung*	2,606	2.4	Lelah *Asthma*	1,079	1.7
	Keseluruhan sebab *All causes*	**109,441**		**Keseluruhan sebab** *All causes*	**64,813**	
2020	1. *Ischaemic heart diseases*	18,525	16.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	26,108	45.4
	2. *Pneumonia*	12,423	11.3	Darah tinggi *Hypertension*	2,196	3.8
	3. *Cerebrovascular diseases*	9,105	8.3	Kencing manis *Diabetes mellitus*	1,756	3.1
	4. *Transport accidents*	3,169	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	1,368	2.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	2,742	2.5	Penyakit jantung iskemia *Ischaemic heart diseases*	740	1.3
	Keseluruhan sebab *All causes*	**109,704**		**Keseluruhan sebab** *All causes*	**57,477**	

Jadual 14.1: Siri masa lima sebab kematian utama (disahkan dan tidak disahkan secara perubatan) Malaysia, 2000-2023 (samb.)

Table 14.1: Time series of five principal causes of death (medically certified and non-medically certified) Malaysia, 2000-2023 (cont'd)

	Disahkan secara perubatan *Medically certified*	Bil. *No.*	%	Tidak disahkan secara perubatan *Non-medically certified*	Bil. *No.*	%
2021	1. *COVID-19 infection (due to)*	31,063	19.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	29,910	44.4
	2. *Ischaemic heart diseases*	21,482	13.6	Darah tinggi *Hypertension*	3,309	4.9
	3. *Pneumonia*	17,503	11.1	Kencing manis *Diabetes mellitus*	2,126	3.2
	4. *Cerebrovascular diseases*	10,181	6.5	Penyakit serebrovaskular *Cerebrovascular diseases*	1,581	2.3
	5. *Transport accidents*	3,061	1.9	Penyakit jantung iskemia *Ischaemic heart diseases*	812	1.2
	Keseluruhan sebab *All causes*	**157,636**		**Keseluruhan sebab** *All causes*	**67,295**	
2022	1. *Ischaemic heart diseases*	20,382	16.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	35,581	44.5
	2. *Pneumonia*	16,894	13.3	Darah tinggi *Hypertension*	3,901	4.9
	3. *Cerebrovascular diseases*	9,168	7.2	Kencing manis *Diabetes mellitus*	2,603	3.3
	4. *COVID-19 infection (due to)*	5,314	4.2	Penyakit serebrovaskular *Cerebrovascular diseases*	2,102	2.6
	5. *Transport accidents*	4,011	3.2	Penyakit jantung iskemia *Ischaemic heart diseases*	1,022	1.3
	Keseluruhan sebab *All causes*	**126,741**		**Keseluruhan sebab** *All causes*	**80,039**	
2023	1. *Pneumonia*	18,181	15.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	32,758	42.4
	2. *Ischaemic heart diseases*	18,121	15.1	Darah tinggi *Hypertension*	3,430	4.4
	3. *Cerebrovascular diseases*	8,657	7.2	Kencing manis *Diabetes mellitus*	3,397	4.4
	4. *Transport accidents*	4,244	3.5	Penyakit serebrovaskular *Cerebrovascular diseases*	2,638	3.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	2,373	2.0	Barah kolon, rektum dan dubur *Colon, rectum and anus cancer*	1,048	1.4
	Keseluruhan sebab *All causes*	**119,652**		**Keseluruhan sebab** *All causes*	**77,313**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023

	Lelaki *Male*	**Bil.** *No.*	*%*	**Perempuan** *Female*	**Bil.** *No.*	*%*
2000	1. *Ischaemic heart diseases*	3,047	12.1	*Ischaemic heart diseases*	1,499	10.7
	2. *Transport accidents*	2,443	9.7	*Cerebrovascular diseases*	1,449	10.3
	3. *Cerebrovascular diseases*	1,788	7.1	*Septicaemia*	1,129	8.0
	4. *Septicaemia*	1,612	6.4	*Pneumonia*	675	4.8
	5. *Pneumonia*	1,147	4.5	*Transport accidents*	465	3.3
	Keseluruhan sebab *All causes*	**25,223**		**Keseluruhan sebab** *All causes*	**14,059**	
2001	1. *Ischaemic heart diseases*	3,514	12.4	*Cerebrovascular diseases*	1,697	10.3
	2. *Transport accidents*	2,577	9.1	*Ischaemic heart diseases*	1,693	10.3
	3. *Cerebrovascular diseases*	1,954	6.9	*Septicaemia*	1,357	8.3
	4. *Septicaemia*	1,814	6.4	*Pneumonia*	882	5.4
	5. *Pneumonia*	1,492	5.3	*Certain conditions originating in the perinatal period*	560	3.4
	Keseluruhan sebab *All causes*	**28,413**		**Keseluruhan sebab** *All causes*	**16,407**	
2002	1. *Ischaemic heart diseases*	3,800	12.4	*Ischaemic heart diseases*	1,974	11.1
	2. *Transport accidents*	2,760	9.0	*Cerebrovascular diseases*	1,727	9.7
	3. *Cerebrovascular diseases*	2,068	6.7	*Septicaemia*	1,495	8.4
	4. *Septicaemia*	2,038	6.6	*Pneumonia*	978	5.5
	5. *Pneumonia*	1,561	5.1	*Transport accidents*	505	2.8
	Keseluruhan sebab *All causes*	**30,703**		**Keseluruhan sebab** *All causes*	**17,833**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	*%*	**Perempuan** *Female*	**Bil.** *No.*	*%*
2003	1. *Ischaemic heart diseases*	4,002	12.6	*Ischaemic heart diseases*	1,955	10.6
	2. *Transport accidents*	3,080	9.7	*Septicaemia*	1,915	10.4
	3. *Septicaemia*	2,462	7.7	*Cerebrovascular diseases*	1,839	10.0
	4. *Cerebrovascular diseases*	2,135	6.7	*Pneumonia*	1,079	5.9
	5. *Pneumonia*	1,639	5.2	*Transport accidents*	523	2.8
	Keseluruhan sebab *All causes*	**31,802**		**Keseluruhan sebab** *All causes*	**18,376**	
2004	1. *Ischaemic heart diseases*	4,309	13.0	*Septicaemia*	2,002	10.6
	2. *Transport accidents*	3,066	9.2	*Ischaemic heart diseases*	1,958	10.3
	3. *Septicaemia*	2,476	7.4	*Cerebrovascular diseases*	1,761	9.3
	4. *Cerebrovascular diseases*	2,269	6.8	*Pneumonia*	1,180	6.2
	5. *Pneumonia*	1,786	5.4	*Transport accidents*	549	2.9
	Keseluruhan sebab *All causes*	**33,249**		**Keseluruhan sebab** *All causes*	**18,919**	
2005	1. *Ischaemic heart diseases*	4,787	13.9	*Ischaemic heart diseases*	2,287	11.4
	2. *Transport accidents*	3,109	9.0	*Cerebrovascular diseases*	1,885	9.4
	3. *Cerebrovascular diseases*	2,404	7.0	*Septicaemia*	1,778	8.8
	4. *Septicaemia*	2,266	6.6	*Pneumonia*	1,353	6.7
	5. *Pneumonia*	1,944	5.6	*Transport accidents*	612	3.0
	Keseluruhan sebab *All causes*	**34,431**		**Keseluruhan sebab** *All causes*	**20,129**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	*%*	**Perempuan** *Female*	**Bil.** *No.*	*%*
2006	1. *Ischaemic heart diseases*	5,301	14.8	*Ischaemic heart diseases*	2,535	12.1
	2. *Transport accidents*	3,313	9.3	*Cerebrovascular diseases*	1,925	9.2
	3. *Cerebrovascular diseases*	2,360	6.6	*Septicaemia*	1,811	8.6
	4. *Septicaemia*	2,242	6.3	*Pneumonia*	1,472	7.0
	5. *Pneumonia*	2,130	6.0	*Malignant neoplasm of breast*	677	3.2
	Keseluruhan sebab *All causes*	**35,768**		**Keseluruhan sebab** *All causes*	**21,009**	
2007	1. *Ischaemic heart diseases*	6,004	15.9	*Ischaemic heart diseases*	2,772	12.5
	2. *Transport accidents*	3,307	8.7	*Cerebrovascular diseases*	1,958	8.8
	3. *Cerebrovascular diseases*	2,507	6.6	*Septicaemia*	1,810	8.1
	4. *Pneumonia*	2,455	6.5	*Pneumonia*	1,794	8.1
	5. *Septicaemia*	2,165	5.7	*Malignant neoplasm of breast*	742	3.3
	Keseluruhan sebab *All causes*	**37,873**		**Keseluruhan sebab** *All causes*	**22,223**	
2008	1. *Ischaemic heart diseases*	6,474	15.9	*Ischaemic heart diseases*	2,961	12.4
	2. *Transport accidents*	3,588	8.8	*Pneumonia*	2,196	9.2
	3. *Pneumonia*	3,058	7.5	*Cerebrovascular diseases*	2,073	8.7
	4. *Cerebrovascular diseases*	2,564	6.3	*Septicaemia*	1,574	6.6
	5. *Septicaemia*	2,161	5.3	*Malignant neoplasm of breast*	821	3.4
	Keseluruhan sebab *All causes*	**40,759**		**Keseluruhan sebab** *All causes*	**23,828**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	*%*	**Perempuan** *Female*	**Bil.** *No.*	*%*
2009	1. *Ischaemic heart diseases*	6,411	15.1	*Ischaemic heart diseases*	2,950	11.8
	2. *Transport accidents*	3,835	9.0	*Pneumonia*	2,566	10.3
	3. *Pneumonia*	3,540	8.3	*Cerebrovascular diseases*	1,972	7.9
	4. *Cerebrovascular diseases*	2,539	6.0	*Septicaemia*	1,812	7.3
	5. *Septicaemia*	2,405	5.7	*Malignant neoplasm of breast*	870	3.5
	Keseluruhan sebab *All causes*	**42,516**		**Keseluruhan sebab** *All causes*	**24,972**	
2010	1. *Ischaemic heart diseases*	6,447	14.9	*Ischaemic heart diseases*	2,924	11.5
	2. *Transport accidents*	3,934	9.1	*Pneumonia*	2,624	10.3
	3. *Pneumonia*	3,880	9.0	*Cerebrovascular diseases*	2,107	8.3
	4. *Cerebrovascular diseases*	2,656	6.2	*Septicaemia*	2,021	8.0
	5. *Septicaemia*	2,505	5.8	*Malignant neoplasm of breast*	864	3.4
	Keseluruhan sebab *All causes*	**43,142**		**Keseluruhan sebab** *All causes*	**25,376**	
2011	1. *Ischaemic heart diseases*	6,933	15.6	*Pneumonia*	3,120	11.8
	2. *Pneumonia*	4,398	9.9	*Ischaemic heart diseases*	3,071	11.6
	3. *Transport accidents*	3,768	8.5	*Cerebrovascular diseases*	2,218	8.4
	4. *Cerebrovascular diseases*	2,894	6.5	*Septicaemia*	1,985	7.5
	5. *Septicaemia*	2,555	5.8	*Malignant neoplasm of breast*	905	3.4
	Keseluruhan sebab *All causes*	**44,372**		**Keseluruhan sebab** *All causes*	**26,463**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	*%*	**Perempuan** *Female*	**Bil.** *No.*	*%*
2012	1. *Ischaemic heart diseases*	6,967	15.5	*Pneumonia*	3,346	12.4
	2. *Pneumonia*	4,685	10.4	*Ischaemic heart diseases*	3,124	11.6
	3. *Transport accidents*	3,860	8.6	*Cerebrovascular diseases*	2,193	8.1
	4. *Cerebrovascular diseases*	3,027	6.7	*Septicaemia*	2,053	7.6
	5. *Septicaemia*	2,645	5.9	*Malignant neoplasm of breast*	972	3.6
	Keseluruhan sebab *All causes*	**44,920**		**Keseluruhan sebab** *All causes*	**26,928**	
2013	1. *Ischaemic heart diseases*	7,016	15.2	*Pneumonia*	3,798	13.6
	2. *Pneumonia*	5,344	11.6	*Ischaemic heart diseases*	3,153	11.3
	3. *Transport accidents*	3,852	8.3	*Cerebrovascular diseases*	2,177	7.8
	4. *Cerebrovascular diseases*	2,979	6.4	*Septicaemia*	2,009	7.2
	5. *Septicaemia*	2,602	5.6	*Malignant neoplasm of breast*	1,028	3.7
	Keseluruhan sebab *All causes*	**46,229**		**Keseluruhan sebab** *All causes*	**27,918**	
2014	1. *Ischaemic heart diseases*	7,295	15.2	*Pneumonia*	3,917	13.3
	2. *Pneumonia*	5,333	11.1	*Ischaemic heart diseases*	3,137	10.6
	3. *Transport accidents*	3,636	7.6	*Cerebrovascular diseases*	2,304	7.8
	4. *Cerebrovascular diseases*	3,170	6.6	*Septicaemia*	2,071	7.0
	5. *Septicaemia*	2,627	5.5	*Malignant neoplasm of breast*	1,060	3.6
	Keseluruhan sebab *All causes*	**47,871**		**Keseluruhan sebab** *All causes*	**29,494**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	*%*	**Perempuan** *Female*	**Bil.** *No.*	*%*
2015	1. *Ischaemic heart diseases*	7,691	15.5	*Pneumonia*	4,396	14.1
	2. *Pneumonia*	5,804	11.7	*Ischaemic heart diseases*	3,327	10.7
	3. *Transport accidents*	3,496	7.1	*Cerebrovascular diseases*	2,443	7.8
	4. *Cerebrovascular diseases*	3,235	6.5	*Malignant neoplasm of breast*	1,067	3.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,246	2.5	*Transport accidents*	700	2.2
	Keseluruhan sebab *All causes*	**49,526**		**Keseluruhan sebab** *All causes*	**31,165**	
2016	1. *Ischaemic heart diseases*	8,033	15.3	*Pneumonia*	4,637	14.0
	2. *Pneumonia*	6,041	11.5	*Ischaemic heart diseases*	3,277	9.9
	3. *Transport accidents*	3,923	7.5	*Cerebrovascular diseases*	2,507	7.6
	4. *Cerebrovascular diseases*	3,369	6.4	*Malignant neoplasm of breast*	1,249	3.8
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,287	2.4	*Transport accidents*	717	2.2
	Keseluruhan sebab *All causes*	**52,617**		**Keseluruhan sebab** *All causes*	**33,020**	
2017	1. *Ischaemic heart diseases*	9,496	16.0	*Pneumonia*	5,371	14.1
	2. *Pneumonia*	6,994	11.8	*Ischaemic heart diseases*	4,007	10.5
	3. *Transport accidents*	3,836	6.5	*Cerebrovascular diseases*	3,067	8.0
	4. *Cerebrovascular diseases*	3,811	6.4	*Malignant neoplasm of breast*	1,679	4.4
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,573	2.7	*Malignant neoplasm of trachea, bronchus and lung*	678	1.8
	Keseluruhan sebab *All causes*	**59,290**		**Keseluruhan sebab** *All causes*	**38,150**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	*%*	**Perempuan** *Female*	**Bil.** *No.*	*%*
2018	1. *Ischaemic heart diseases*	12,510	17.8	*Pneumonia*	6,033	12.8
	2. *Pneumonia*	7,771	11.1	*Ischaemic heart diseases*	5,757	12.2
	3. *Cerebrovascular diseases*	5,067	7.2	*Cerebrovascular diseases*	4,087	8.7
	4. *Transport accidents*	3,718	5.3	*Malignant neoplasm of breast*	1,968	4.2
	5. *Chronic lower respiratory diseases*	2,067	2.9	*Diabetes mellitus*	1,512	3.2
	Keseluruhan sebab *All causes*	**70,205**		**Keseluruhan sebab** *All causes*	**47,182**	
2019	1. *Ischaemic heart diseases*	11,339	17.3	*Pneumonia*	5,793	13.2
	2. *Pneumonia*	7,591	11.6	*Ischaemic heart diseases*	4,997	11.4
	3. *Cerebrovascular diseases*	4,902	7.5	*Cerebrovascular diseases*	3,797	8.7
	4. *Transport accidents*	3,572	5.4	*Malignant neoplasm of breast*	1,865	4.3
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,802	2.7	*Diabetes mellitus*	1,051	2.4
	Keseluruhan sebab *All causes*	**65,635**		**Keseluruhan sebab** *All causes*	**43,806**	
2020	1. *Ischaemic heart diseases*	12,716	19.2	*Ischaemic heart diseases*	5,809	13.4
	2. *Pneumonia*	7,356	11.1	*Pneumonia*	5,067	11.7
	3. *Cerebrovascular diseases*	5,070	7.6	*Cerebrovascular diseases*	4,035	9.3
	4. *Transport accidents*	2,724	4.1	*Malignant neoplasm of breast*	1,943	4.5
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,828	2.8	*Diabetes mellitus*	1,086	2.5
	Keseluruhan sebab *All causes*	**66,320**		**Keseluruhan sebab** *All causes*	**43,384**	

Jadual 14.2: Siri masa lima sebab kematian utama (disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.2: Time series of five principal causes of death (medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	%	**Perempuan** *Female*	**Bil.** *No.*	%
2021	1. *COVID-19 infection (due to)*	17,708	19.0	*COVID-19 infection (due to)*	13,355	20.8
	2. *Ischaemic heart diseases*	14,529	15.6	*Pneumonia*	7,419	11.5
	3. *Pneumonia*	10,084	10.8	*Ischaemic heart diseases*	6,953	10.8
	4. *Cerebrovascular diseases*	5,712	6.1	*Cerebrovascular diseases*	4,469	6.9
	5. *Transport accidents*	2,661	2.9	*Malignant neoplasm of breast*	1,920	3.0
	Keseluruhan sebab *All causes*	**93,294**		**Keseluruhan sebab** *All causes*	**64,342**	
2022	1. *Ischaemic heart diseases*	13,857	18.2	*Pneumonia*	7,257	14.3
	2. *Pneumonia*	9,637	12.7	*Ischaemic heart diseases*	6,525	12.9
	3. *Cerebrovascular diseases*	5,164	6.8	*Cerebrovascular diseases*	4,004	7.9
	4. *Transport accidents*	3,451	4.5	*COVID-19 infection (due to)*	2,254	4.5
	5. *COVID-19 infection (due to)*	3,060	4.0	*Malignant neoplasm of breast*	1,912	3.8
	Keseluruhan sebab *All causes*	**76,094**		**Keseluruhan sebab** *All causes*	**50,647**	
2023	1. *Ischaemic heart diseases*	12,648	17.6	*Pneumonia*	7,815	16.4
	2. *Pneumonia*	10,366	14.4	*Ischaemic heart diseases*	5,473	11.5
	3. *Cerebrovascular diseases*	4,953	6.9	*Cerebrovascular diseases*	3,704	7.8
	4. *Transport accidents*	3,646	5.1	*Malignant neoplasm of breast*	1,673	3.5
	5. *Malignant neoplasm of trachea, bronchus and lung*	1,581	2.2	*Diabetes mellitus*	996	2.1
	Keseluruhan sebab *All causes*	**71,906**		**Keseluruhan sebab** *All causes*	**47,746**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023

	Lelaki *Male*	**Bil.** *No.*	%	**Perempuan** *Female*	**Bil.** *No.*	%
2000	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	12,195	36.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,364	50.7
	2. Lelah *Asthma*	2,137	6.5	Lelah *Asthma*	1,456	5.1
	3. Demam *Fever*	1,201	3.6	Demam *Fever*	900	3.2
	4. Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	1,130	3.4	Darah tinggi *Hypertension*	556	2.0
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	686	2.1	Kencing manis *Diabetes mellitus*	540	1.9
	Keseluruhan sebab *All causes*	**33,080**		**Keseluruhan sebab** *All causes*	**28,345**	
2001	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	12,289	38.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,680	52.4
	2. Lelah *Asthma*	2,006	6.3	Lelah *Asthma*	1,289	4.6
	3. Demam *Fever*	1,280	4.0	Demam *Fever*	939	3.4
	4. Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	871	2.7	Kencing manis *Diabetes mellitus*	558	2.0
	5. Kencing manis *Diabetes mellitus*	602	1.9	Darah tinggi *Hypertension*	510	1.8
	Keseluruhan sebab *All causes*	**31,695**		**Keseluruhan sebab** *All causes*	**28,016**	
2002	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	13,500	41.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	15,758	54.1
	2. Lelah *Asthma*	2,031	6.2	Lelah *Asthma*	1,316	4.5
	3. Demam *Fever*	1,152	3.5	Demam *Fever*	900	3.1
	4. Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and water*	780	2.4	Kencing manis *Diabetes mellitus*	589	2.0
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	691	2.1	Darah tinggi *Hypertension*	491	1.7
	Keseluruhan sebab *All causes*	**32,681**		**Keseluruhan sebab** *All causes*	**29,150**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	Bil. *No.*	%	Perempuan *Female*	Bil. *No.*	%
2003	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,270	43.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,682	56.8
	2. Lelah *Asthma*	2,061	6.2	Lelah *Asthma*	1,277	4.3
	3. Demam *Fever*	1,024	3.1	Demam *Fever*	766	2.6
	4. Kencing manis *Diabetes mellitus*	745	2.2	Kencing manis *Diabetes mellitus*	629	2.1
	5. Kemalangan pengangkutan - udara, darat dan air *Transport accidents - air, land and*	731	2.2	Darah tinggi *Hypertension*	539	1.8
	Keseluruhan sebab *All causes*	**33,185**		**Keseluruhan sebab** *All causes*	**29,381**	
2004	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	13,903	43.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,746	58.0
	2. Lelah *Asthma*	2,103	6.5	Lelah *Asthma*	1,337	4.6
	3. Demam *Fever*	867	2.7	Kencing manis *Diabetes mellitus*	651	2.3
	4. Kencing manis *Diabetes mellitus*	660	2.1	Demam *Fever*	609	2.1
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	637	2.0	Darah tinggi *Hypertension*	530	1.8
	Keseluruhan sebab *All causes*	**32,153**		**Keseluruhan sebab** *All causes*	**28,871**	
2005	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,453	45.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,336	59.6
	2. Lelah *Asthma*	2,158	6.8	Lelah *Asthma*	1,520	5.2
	3. Kencing manis *Diabetes mellitus*	793	2.5	Kencing manis *Diabetes mellitus*	810	2.8
	4. Demam *Fever*	682	2.1	Darah tinggi *Hypertension*	591	2.0
	5. Darah tinggi *Hypertension*	661	2.1	Demam *Fever*	579	2.0
	Keseluruhan sebab *All causes*	**31,792**		**Keseluruhan sebab** *All causes*	**29,084**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	%	**Perempuan** *Female*	**Bil.** *No.*	%
2006	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,374	45.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,091	58.7
	2. Lelah *Asthma*	2,141	6.7	Lelah *Asthma*	1,547	5.3
	3. Kencing manis *Diabetes mellitus*	924	2.9	Kencing manis *Diabetes mellitus*	835	2.9
	4. Darah tinggi *Hypertension*	699	2.2	Darah tinggi *Hypertension*	607	2.1
	5. Penyakit serebrovaskular *Cerebrovascular diseases*	665	2.1	Penyakit serebrovaskular *Cerebrovascular diseases*	527	1.8
	Keseluruhan sebab *All causes*	**31,902**		**Keseluruhan sebab** *All causes*	**29,099**	
2007	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,619	46.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,252	59.8
	2. Lelah *Asthma*	2,129	6.7	Lelah *Asthma*	1,465	5.1
	3. Kencing manis *Diabetes mellitus*	854	2.7	Kencing manis *Diabetes mellitus*	779	2.7
	4. Darah tinggi *Hypertension*	712	2.2	Darah tinggi *Hypertension*	607	2.1
	5. Penyakit serebrovaskular *Cerebrovascular diseases*	682	2.1	Penyakit serebrovaskular *Cerebrovascular diseases*	527	1.8
	Keseluruhan sebab *All causes*	**31,733**		**Keseluruhan sebab** *All causes*	**28,841**	
2008	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	15,404	47.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18,141	60.8
	2. Lelah *Asthma*	2,160	6.6	Lelah *Asthma*	1,511	5.1
	3. Kencing manis *Diabetes mellitus*	837	2.6	Kencing manis *Diabetes mellitus*	777	2.6
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	741	2.3	Darah tinggi *Hypertension*	691	2.3
	5. Darah tinggi *Hypertension*	720	2.2	Penyakit serebrovaskular *Cerebrovascular diseases*	568	1.9
	Keseluruhan sebab *All causes*	**32,673**		**Keseluruhan sebab** *All causes*	**29,838**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	Bil. *No.*	%	Perempuan *Female*	Bil. *No.*	%
2009	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,029	47.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18,822	61.9
	2. Lelah *Asthma*	2,054	6.1	Lelah *Asthma*	1,484	4.9
	3. Kencing manis *Diabetes mellitus*	988	3.0	Kencing manis *Diabetes mellitus*	821	2.7
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	735	2.2	Darah tinggi *Hypertension*	619	2.0
	5. Darah tinggi *Hypertension*	645	1.9	Penyakit serebrovaskular *Cerebrovascular diseases*	573	1.9
	Keseluruhan sebab *All causes*	**33,445**		**Keseluruhan sebab** *All causes*	**30,395**	
2010	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	15,735	48.0	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18,395	61.9
	2. Lelah *Asthma*	1,885	5.8	Lelah *Asthma*	1,303	4.4
	3. Kencing manis *Diabetes mellitus*	932	2.8	Kencing manis *Diabetes mellitus*	806	2.7
	4. Darah tinggi *Hypertension*	769	2.3	Darah tinggi *Hypertension*	638	2.1
	5. Penyakit serebrovaskular *Cerebrovascular diseases*	755	2.3	Penyakit serebrovaskular *Cerebrovascular diseases*	526	1.8
	Keseluruhan sebab *All causes*	**32,763**		**Keseluruhan sebab** *All causes*	**29,697**	
2011	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,466	48.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	19,374	62.8
	2. Lelah *Asthma*	1,853	5.5	Lelah *Asthma*	1,146	3.7
	3. Kencing manis *Diabetes mellitus*	928	2.7	Kencing manis *Diabetes mellitus*	781	2.5
	4. Darah tinggi *Hypertension*	761	2.3	Darah tinggi *Hypertension*	678	2.2
	5. Penyakit serebrovaskular *Cerebrovascular diseases*	745	2.2	Penyakit serebrovaskular *Cerebrovascular diseases*	574	1.9
	Keseluruhan sebab *All causes*	**33,797**		**Keseluruhan sebab** *All causes*	**30,831**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	%	**Perempuan** *Female*	**Bil.** *No.*	%
2012	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,030	48.7	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	20,323	63.7
	2. Lelah *Asthma*	1,857	5.3	Lelah *Asthma*	1,113	3.5
	3. Kencing manis *Diabetes mellitus*	1,002	2.9	Kencing manis *Diabetes mellitus*	863	2.7
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	904	2.6	Darah tinggi *Hypertension*	743	2.3
	5. Darah tinggi *Hypertension*	759	2.2	Penyakit serebrovaskular *Cerebrovascular diseases*	691	2.2
	Keseluruhan sebab *All causes*	**34,945**		**Keseluruhan sebab** *All causes*	**31,899**	
2013	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,864	47.2	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	20,204	62.5
	2. Lelah *Asthma*	1,703	4.8	Lelah *Asthma*	1,120	3.5
	3. Kencing manis *Diabetes mellitus*	1,009	2.8	Kencing manis *Diabetes mellitus*	860	2.7
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	1,006	2.8	Darah tinggi *Hypertension*	747	2.3
	5. Darah tinggi *Hypertension*	856	2.4	Penyakit serebrovaskular *Cerebrovascular diseases*	715	2.2
	Keseluruhan sebab *All causes*	**35,712**		**Keseluruhan sebab** *All causes*	**32,343**	
2014	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,615	45.6	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	20,450	59.6
	2. Kencing manis *Diabetes mellitus*	1,108	2.9	Kencing manis *Diabetes mellitus*	1,053	3.1
	3. Lelah *Asthma*	1,087	2.8	Darah tinggi *Hypertension*	817	2.4
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	1,061	2.7	Penyakit serebrovaskular *Cerebrovascular diseases*	743	2.2
	5. Darah tinggi *Hypertension*	938	2.4	Lelah *Asthma*	641	1.9
	Keseluruhan sebab *All causes*	**38,661**		**Keseluruhan sebab** *All causes*	**34,292**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	%	**Perempuan** *Female*	**Bil.** *No.*	%
2015	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,483	43.8	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	20,386	58.0
	2. Kencing manis *Diabetes mellitus*	1,199	3.0	Kencing manis *Diabetes mellitus*	1,034	2.9
	3. Penyakit serebrovaskular *Cerebrovascular diseases*	1,102	2.8	Darah tinggi *Hypertension*	949	2.7
	4. Darah tinggi *Hypertension*	1,060	2.7	Penyakit serebrovaskular *Cerebrovascular diseases*	789	2.2
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	1,055	2.6	Lelah *Asthma*	648	1.8
	Keseluruhan sebab *All causes*	**39,923**		**Keseluruhan sebab** *All causes*	**35,172**	
2016	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	17,816	43.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	20,636	58.2
	2. Kencing manis *Diabetes mellitus*	1,243	3.0	Kencing manis *Diabetes mellitus*	1,043	2.9
	3. Penyakit serebrovaskular *Cerebrovascular diseases*	1,200	2.9	Darah tinggi *Hypertension*	980	2.8
	4. Penyakit jantung iskemia *Ischaemic heart diseases*	1,111	2.7	Penyakit serebrovaskular *Cerebrovascular diseases*	818	2.3
	5. Darah tinggi *Hypertension*	1,110	2.7	Barah payudara *Breast cancer*	635	1.8
	Keseluruhan sebab *All causes*	**41,081**		**Keseluruhan sebab** *All causes*	**35,483**	
2017	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,200	43.5	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18,857	56.3
	2. Kencing manis *Diabetes mellitus*	1,180	3.2	Kencing manis *Diabetes mellitus*	1,063	3.2
	3. Darah tinggi *Hypertension*	1,142	3.1	Darah tinggi *Hypertension*	1,045	3.1
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	1,071	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	800	2.4
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	921	2.5	Barah payudara *Breast cancer*	612	1.8
	Keseluruhan sebab *All causes*	**37,232**		**Keseluruhan sebab** *All causes*	**33,496**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	%	**Perempuan** *Female*	**Bil.** *No.*	%
2018	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	11,540	40.1	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,009	54.1
	2. Darah tinggi *Hypertension*	1,151	4.0	Darah tinggi *Hypertension*	980	3.8
	3. Kencing manis *Diabetes mellitus*	1,043	3.6	Kencing manis *Diabetes mellitus*	846	3.3
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	851	3.0	Penyakit serebrovaskular *Cerebrovascular diseases*	632	2.4
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	708	2.5	Barah payudara *Breast cancer*	420	1.6
	Keseluruhan sebab *All causes*	**28,744**		**Keseluruhan sebab** *All causes*	**25,900**	
2019	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,033	40.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,696	54.8
	2. Darah tinggi *Hypertension*	1,289	3.8	Darah tinggi *Hypertension*	1,108	3.6
	3. Kencing manis *Diabetes mellitus*	1,060	3.1	Kencing manis *Diabetes mellitus*	939	3.1
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	1,025	3.0	Penyakit serebrovaskular *Cerebrovascular diseases*	690	2.3
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	816	2.4	Barah payudara *Breast cancer*	523	1.7
	Keseluruhan sebab *All causes*	**34,340**		**Keseluruhan sebab** *All causes*	**30,473**	
2020	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	11,957	39.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,151	52.4
	2. Darah tinggi *Hypertension*	1,217	4.0	Darah tinggi *Hypertension*	979	3.6
	3. Kencing manis *Diabetes mellitus*	986	3.2	Kencing manis *Diabetes mellitus*	770	2.9
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	806	2.6	Penyakit serebrovaskular *Cerebrovascular diseases*	562	2.1
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	583	1.9	Barah payudara *Breast cancer*	504	1.9
	Keseluruhan sebab *All causes*	**30,462**		**Keseluruhan sebab** *All causes*	**27,015**	

Jadual 14.3: Siri masa lima sebab kematian utama (tidak disahkan secara perubatan) mengikut jantina, Malaysia, 2000-2023 (samb.)

Table 14.3: Time series of five principal causes of death (non-medically certified) by sex, Malaysia, 2000-2023 (cont'd)

	Lelaki *Male*	**Bil.** *No.*	%	**Perempuan** *Female*	**Bil.** *No.*	%
2021	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	13,565	38.9	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,345	50.4
	2. Darah tinggi *Hypertension*	1,777	5.1	Darah tinggi *Hypertension*	1,532	4.7
	3. Kencing manis *Diabetes mellitus*	1,160	3.3	Kencing manis *Diabetes mellitus*	966	3.0
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	944	2.7	Penyakit serebrovaskular *Cerebrovascular diseases*	637	2.0
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	607	1.7	Barah payudara *Breast cancer*	588	1.8
	Keseluruhan sebab *All causes*	**34,854**		**Keseluruhan sebab** *All causes*	**32,441**	
2022	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	16,117	38.4	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	19,464	51.1
	2. Darah tinggi *Hypertension*	2,078	5.0	Darah tinggi *Hypertension*	1,823	4.8
	3. Kencing manis *Diabetes mellitus*	1,451	3.5	Kencing manis *Diabetes mellitus*	1,152	3.0
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	1,225	2.9	Penyakit serebrovaskular *Cerebrovascular diseases*	877	2.3
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	796	1.9	Barah payudara *Breast cancer*	681	1.8
	Keseluruhan sebab *All causes*	**41,924**		**Keseluruhan sebab** *All causes*	**38,115**	
2023	1. Sakit tua 65 tahun dan lebih *Old age 65 years and over*	14,674	36.3	Sakit tua 65 tahun dan lebih *Old age 65 years and over*	18,084	49.0
	2. Kencing manis *Diabetes mellitus*	1,843	4.6	Darah tinggi *Hypertension*	1,606	4.3
	3. Darah tinggi *Hypertension*	1,824	4.5	Kencing manis *Diabetes mellitus*	1,554	4.2
	4. Penyakit serebrovaskular *Cerebrovascular diseases*	1,534	3.8	Penyakit serebrovaskular *Cerebrovascular diseases*	1,104	3.0
	5. Penyakit jantung iskemia *Ischaemic heart diseases*	761	1.9	Barah payudara *Breast cancer*	760	2.1
	Keseluruhan sebab *All causes*	**40,387**		**Keseluruhan sebab** *All causes*	**36,926**	

Jadual 14.4: Siri masa kematian mengikut pengesah, Malaysia, 2000-2023

Table 14.4: Time series of deaths by certification, Malaysia, 2000-2023

Tahun *Year*	Disahkan secara perubatan *Medically certified*	Tidak disahkan secara perubatan *Non-medically certified*
2000	39,282	61,425
2001	44,820	59,711
2002	48,536	61,831
2003	50,178	62,566
2004	52,168	61,024
2005	54,560	60,876
2006	56,777	61,001
2007	60,096	60,574
2008	64,587	62,511
2009	67,488	63,840
2010	68,518	62,460
2011	70,835	64,628
2012	71,848	66,844
2013	74,147	68,055
2014	77,365	72,953
2015	80,691	75,095
2016	85,637	76,564
2017	97,440	70,728
2018	117,387	54,644
2019	109,441	64,813
2020	109,704	57,477
2021	157,636	67,295
2022	126,741	80,039
2023	119,652	77,313

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023

Sebab kematian *Causes of death*	**Tahun/** *Year*		
	2000	**2001**	**2002**
1. *Cholera*	-	-	1
2. *Diarrhoea and gastroenteritis of presumed infectious origin*	49	75	69
3. *Other intestinal infectious diseases*	10	16	10
4. *Respiratory tuberculosis*	389	539	460
5. *Other tuberculosis*	113	130	147
6. *Plague*	-	-	-
7. *Tetanus*	9	8	11
8. *Diphtheria*	1	1	2
9. *Whooping cough*	1	-	-
10. *Meningococcal infection*	15	12	19
11. *Septicaemia*	2,741	3,171	3,533
12. *Infections with a predominantly sexual mode of transmission*	1	1	-
13. *Acute poliomyelitis*	-	-	-
14. *Rabies*	-	-	-
15. *Yellow fever*	-	-	-
16. *Other arthropod-borne viral fevers and viral haemorrhagic fevers*	57	83	186
17. *Measles*	2	2	1
18. *Viral hepatitis*	49	76	66
19. *Human immunodeficiency virus [HIV] disease*	415	360	217
20. *Malaria*	23	18	16
21. *Leishmaniasis*	-	-	-
22. *Trypanosomiasis*	-	-	-
23. *Schistosomiasis*	-	-	-
24. *Remainder of certain infectious and parasitic diseases*	339	510	623
25. *Malignant neoplasm of lip, oral cavity and pharynx*	332	319	351
26. *Malignant neoplasm of oesophagus*	109	80	100
27. *Malignant neoplasm of stomach*	215	209	249
28. *Malignant neoplasm of colon, rectum and anus*	350	406	445
29. *Malignant neoplasm of liver and intrahepatic bile ducts*	380	426	471
30. *Malignant neoplasm of pancreas*	88	138	141
31. *Malignant neoplasm of larynx*	37	29	46
32. *Malignant neoplasm of trachea, bronchus and lung*	833	1,012	1,151
33. *Malignant melanoma of skin*	13	7	11
34. *Malignant neoplasm of breast*	354	411	454
35. *Malignant neoplasm of cervix uteri*	127	179	140
36. *Malignant neoplasm of other and unspecified parts of uterus*	46	38	51
37. *Malignant neoplasm of ovary*	100	113	134
38. *Malignant neoplasm of prostate*	59	67	79
39. *Malignant neoplasm of bladder*	55	54	43
40. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	71	86	95
41. *Non-Hodgkin's lymphoma*	190	202	220
42. *Multiple myeloma and malignant plasma cell neoplasms*	37	41	54

Data kematian bagi tahun 2020 hingga 2022 telah dikemas kini berdasarkan laporan kes bunuh diri daripada Polis Diraja Malaysia

Data for 2020 to 2022 have been updated based on report on suicide cases from the Royal Malaysia Police

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**
-	-	1	-	-	1	1	-	2
82	93	91	89	90	156	140	113	111
9	15	4	14	13	13	12	13	13
511	518	533	570	524	561	616	567	567
132	115	135	154	178	181	176	165	170
-	-	-	-	-	-	-	-	-
6	2	5	5	9	5	5	-	2
-	1	-	-	-	-	-	-	-
-	-	1	1	-	-	-	3	-
21	13	16	10	10	4	7	9	5
4,377	4,478	4,044	4,053	3,975	3,735	4,217	4,526	4,540
3	3	-	1	2	3	1	2	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
175	155	133	113	135	125	105	142	38
-	3	-	-	1	-	2	-	1
85	121	112	136	155	169	174	132	100
252	180	196	259	417	427	903	797	589
17	20	18	14	16	16	12	20	10
-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
890	905	982	933	858	1,060	612	599	708
386	390	395	400	414	471	482	484	508
103	114	110	125	127	124	115	129	107
270	254	278	287	298	348	316	315	368
485	522	529	604	714	763	830	800	861
446	516	491	608	624	625	690	740	825
148	165	168	172	231	255	271	296	289
30	41	38	34	58	48	49	60	54
1,125	1,203	1,303	1,375	1,430	1,589	1,518	1,555	1,607
11	16	16	19	18	21	18	28	20
465	534	595	684	744	824	873	867	909
173	185	186	194	243	237	250	229	248
59	58	61	56	88	79	94	100	118
151	154	172	200	201	208	244	227	249
78	88	79	107	130	119	168	152	178
54	76	72	85	93	91	100	124	119
81	92	91	103	110	112	94	118	129
258	281	276	312	310	347	382	376	394
45	54	57	60	57	67	88	85	78

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023 (cont'd)

Sebab kematian *Causes of death*	Tahun/ Year		
	2012	2013	2014
1. *Cholera*	-	-	-
2. *Diarrhoea and gastroenteritis of presumed infectious origin*	143	148	228
3. *Other intestinal infectious diseases*	18	7	29
4. *Respiratory tuberculosis*	523	501	535
5. *Other tuberculosis*	183	170	190
6. *Plague*	-	-	-
7. *Tetanus*	5	5	5
8. *Diphtheria*	1	-	-
9. *Whooping cough*	-	-	1
10. *Meningococcal infection*	4	5	7
11. *Septicaemia*	4,698	4,611	4,698
12. *Infections with a predominantly sexual mode of transmission*	1	1	1
13. *Acute poliomyelitis*	-	-	-
14. *Rabies*	-	-	-
15. *Yellow fever*	-	-	-
16. *Other arthropod-borne viral fevers and viral haemorrhagic fevers*	33	93	228
17. *Measles*	1	-	1
18. *Viral hepatitis*	137	136	169
19. *Human immunodeficiency virus [HIV] disease*	569	428	436
20. *Malaria*	15	8	6
21. *Leishmaniasis*	-	-	-
22. *Trypanosomiasis*	-	-	-
23. *Schistosomiasis*	-	-	-
24. *Remainder of certain infectious and parasitic diseases*	677	795	819
25. *Malignant neoplasm of lip, oral cavity and pharynx*	427	454	469
26. *Malignant neoplasm of oesophagus*	119	120	118
27. *Malignant neoplasm of stomach*	349	316	350
28. *Malignant neoplasm of colon, rectum and anus*	922	897	922
29. *Malignant neoplasm of liver and intrahepatic bile ducts*	795	901	909
30. *Malignant neoplasm of pancreas*	290	330	339
31. *Malignant neoplasm of larynx*	59	55	56
32. *Malignant neoplasm of trachea, bronchus and lung*	1,704	1,816	1,741
33. *Malignant melanoma of skin*	23	30	27
34. *Malignant neoplasm of breast*	977	1,033	1,061
35. *Malignant neoplasm of cervix uteri*	249	261	253
36. *Malignant neoplasm of other and unspecified parts of uterus*	118	141	141
37. *Malignant neoplasm of ovary*	261	255	288
38. *Malignant neoplasm of prostate*	176	194	252
39. *Malignant neoplasm of bladder*	98	112	121
40. *Malignant neoplasm of meninges, brain and other parts of central nervous system*	115	122	140
41. *Non-Hodgkin's lymphoma*	391	396	431
42. *Multiple myeloma and malignant plasma cell neoplasms*	89	97	111

Data kematian bagi tahun 2020 hingga 2022 telah dikemas kini berdasarkan laporan kes bunuh diri daripada Polis Diraja Malaysia

Data for 2020 to 2022 have been updated based on report on suicide cases from the Royal Malaysia Police

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2015	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
-	-	-	-	-	2	-	-	-
239	213	237	304	281	251	247	231	233
24	18	24	35	36	37	39	51	42
578	665	735	669	694	661	648	812	839
202	214	201	206	226	201	192	208	218
-	-	-	-	-	-	-	-	-
4	3	3	2	-	2	2	2	2
1	1	3	3	5	-	2	1	2
5	1	5	9	6	2	2	1	20
2	3	8	6	6	4	-	2	4
3,407	3,582	3,648	4,073	4,173	3,989	4,908	5,008	5,164
2	2	8	7	3	6	6	9	4
-	-	-	-	-	1	-	1	-
-	-	4	10	6	10	16	8	17
-	-	-	-	-	-	-	-	-
309	222	172	140	187	154	35	67	119
1	-	-	1	1	-	-	-	1
200	180	224	214	175	225	214	211	186
348	315	358	312	190	229	315	227	149
9	1	11	8	9	8	9	12	10
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
1,031	1,268	1,279	1,520	1,459	1,546	2,702	2,575	2,249
514	527	664	757	669	720	681	605	611
145	133	162	203	187	184	151	144	159
306	317	364	508	427	456	436	383	420
1,039	1,165	1,511	2,111	1,874	2,210	2,212	1,895	2,070
947	1,002	1,114	1,532	1,391	1,574	1,512	1,394	1,512
378	346	464	563	553	623	611	674	663
60	52	64	96	81	63	50	72	59
1,809	1,850	2,251	2,805	2,606	2,742	2,679	2,649	2,373
44	33	44	43	42	43	38	32	57
1,070	1,251	1,686	1,978	1,871	1,952	1,932	1,924	1,681
267	252	325	404	430	420	420	368	394
165	184	228	271	274	312	276	335	392
273	309	331	448	396	433	401	403	425
221	282	396	478	445	497	510	461	481
118	151	165	180	177	196	216	181	181
149	132	182	296	263	363	371	355	297
436	447	524	561	548	504	532	534	560
76	106	143	112	122	149	130	123	140

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023 (cont'd)

Sebab kematian *Causes of death*	**Tahun/** *Year*		
	2000	**2001**	**2002**
43. *Leukaemia*	309	364	391
44. *Remainder of malignant neoplasms*	715	775	803
45. *Anaemias*	131	124	140
46. *Diabetes mellitus*	515	834	690
47. *Malnutrition*	19	5	16
48. *Mental and behavioural disorders due to psychoactive substance use*	43	93	84
49. *Meningitis*	143	161	172
50. *Alzheimer's disease*	2	5	-
51. *Acute rheumatic fever and chronic rheumatic heart diseases*	117	122	125
52. *Hypertensive diseases*	604	421	570
53. *Ischaemic heart diseases*	4,546	5,207	5,774
54. *Other heart diseases*	2,522	3,047	3,372
55. *Cerebrovascular diseases*	3,237	3,651	3,795
56. *Atherosclerosis*	2	15	2
57. *Remainder of diseases of the circulatory system*	308	316	282
58. *Influenza*	-	-	-
59. *Pneumonia*	1,822	2,374	2,539
60. *Other acute lower respiratory infections*	7	7	4
61. *Chronic lower respiratory diseases*	1,270	1,413	1,514
62. *Remainder of diseases of the respiratory system*	1,522	1,706	1,895
63. *Gastric and duodenal ulcer*	152	148	180
64. *Diseases of the liver*	752	771	884
65. *Glomerular and renal tubulo-interstitial diseases*	65	50	97
66. *Pregnancy with abortive outcome*	11	5	14
67. *Other direct obstetric deaths*	90	118	117
68. *Indirect obstetric deaths*	22	24	19
69. *Certain conditions originating in the perinatal period*	1,002	1,299	1,136
70. *Congenital malformations, deformations and chromosomal abnormalities*	589	661	917
71. *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	1,513	1,861	1,918
72. *All other diseases*	3,618	4,027	4,545
73. *Transport accidents*	2,908	3,093	3,265
74. *Falls*	109	111	119
75. *Accidental drowning and submersion*	319	224	189
76. *Exposure to smoke, fire and flames*	64	56	24
77. *Accidental poisoning by and exposure to noxious substances*	43	34	16
78. *Intentional self-harm*	103	59	45
79. *Assault*	120	209	188
80. *COVID-19 infection (due to)*	-	-	-
81. *All other external causes*	2,358	2,611	3,099
Keseluruhan sebab *All causes*	**39,282**	**44,820**	**48,536**

Data kematian bagi tahun 2020 hingga 2022 telah dikemas kini berdasarkan laporan kes bunuh diri daripada Polis Diraja Malaysia

Data for 2020 to 2022 have been updated based on report on suicide cases from the Royal Malaysia Police

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**
397	437	418	465	473	465	489	498	514
911	880	999	932	1,133	1,179	1,130	1,360	1,531
128	110	146	157	144	152	246	210	167
952	962	1,015	997	908	908	780	632	550
20	12	18	8	14	14	19	13	16
51	46	43	42	32	17	-	11	16
154	166	170	132	155	152	129	115	136
3	3	3	6	7	6	4	1	2
105	129	132	132	123	120	121	103	104
321	346	358	397	448	486	956	861	745
5,957	6,267	7,074	7,836	8,776	9,435	9,361	9,371	10,004
3,155	3,288	3,394	3,282	3,218	3,488	3,169	3,186	3,341
3,974	4,030	4,289	4,285	4,465	4,637	4,511	4,763	5,112
12	11	13	21	20	19	13	18	28
334	417	418	407	419	476	467	540	561
1	-	-	1	-	-	102	38	12
2,718	2,966	3,297	3,602	4,249	5,254	6,106	6,504	7,518
4	4	7	4	7	2	4	2	3
1,452	1,418	1,343	1,370	1,430	1,484	1,304	1,306	1,231
1,901	2,014	2,009	2,082	2,222	2,298	2,753	2,517	2,547
189	180	171	203	223	224	227	219	224
810	851	836	852	919	1,033	1,025	1,082	1,203
36	49	97	63	158	137	143	228	337
12	20	12	9	8	8	8	8	8
95	78	95	83	102	103	78	79	91
26	26	20	23	24	20	39	35	28
1,062	1,216	1,203	1,136	1,227	1,249	1,383	1,355	1,292
854	808	884	898	872	955	1,028	990	1,064
1,932	1,897	2,027	2,152	2,152	2,388	2,474	2,734	2,740
4,055	4,468	5,271	5,556	5,867	6,494	7,031	7,127	7,063
3,603	3,615	3,721	3,908	3,990	4,290	4,585	4,683	4,502
47	84	58	108	95	37	131	185	118
403	260	152	211	316	328	509	451	367
27	52	17	43	34	19	47	72	24
9	17	13	16	11	36	92	186	62
51	57	31	56	57	58	40	39	34
203	217	205	279	293	236	213	186	169
-	-	-	-	-	-	-	-	-
3,286	3,402	3,413	3,246	3,232	3,596	3,206	3,037	3,453
50,178	**52,168**	**54,560**	**56,777**	**60,096**	**64,587**	**67,488**	**68,518**	**70,835**

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023 (cont'd)

Sebab kematian *Causes of death*	**Tahun/ Year**		
	2012	**2013**	**2014**
43. *Leukaemia*	527	491	565
44. *Remainder of malignant neoplasms*	1,556	1,647	1,924
45. *Anaemias*	163	164	173
46. *Diabetes mellitus*	473	450	467
47. *Malnutrition*	16	11	5
48. *Mental and behavioural disorders due to psychoactive substance use*	10	8	9
49. *Meningitis*	132	132	121
50. *Alzheimer's disease*	1	-	3
51. *Acute rheumatic fever and chronic rheumatic heart diseases*	100	87	84
52. *Hypertensive diseases*	618	609	732
53. *Ischaemic heart diseases*	10,091	10,169	10,432
54. *Other heart diseases*	3,354	3,403	3,656
55. *Cerebrovascular diseases*	5,220	5,156	5,474
56. *Atherosclerosis*	18	18	24
57. *Remainder of diseases of the circulatory system*	584	591	586
58. *Influenza*	3	10	9
59. *Pneumonia*	8,031	9,142	9,250
60. *Other acute lower respiratory infections*	4	2	2
61. *Chronic lower respiratory diseases*	1,162	1,215	1,219
62. *Remainder of diseases of the respiratory system*	2,690	2,974	3,277
63. *Gastric and duodenal ulcer*	240	261	245
64. *Diseases of the liver*	1,278	1,327	1,395
65. *Glomerular and renal tubulo-interstitial diseases*	374	496	605
66. *Pregnancy with abortive outcome*	9	12	18
67. *Other direct obstetric deaths*	73	65	70
68. *Indirect obstetric deaths*	35	27	25
69. *Certain conditions originating in the perinatal period*	1,246	1,228	1,219
70. *Congenital malformations, deformations and chromosomal abnormalities*	1,008	985	1,056
71. *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	2,472	2,666	2,565
72. *All other diseases*	7,396	7,500	8,466
73. *Transport accidents*	4,566	4,538	4,304
74. *Falls*	109	118	111
75. *Accidental drowning and submersion*	358	115	410
76. *Exposure to smoke, fire and flames*	32	6	10
77. *Accidental poisoning by and exposure to noxious substances*	71	43	44
78. *Intentional self-harm*	29	22	21
79. *Assault*	217	133	132
80. *COVID-19 infection (due to)*	-	-	-
81. *All other external causes*	3,412	3,888	3,575
Keseluruhan sebab *All causes*	**71,848**	**74,147**	**77,365**

Data kematian bagi tahun 2020 hingga 2022 telah dikemas kini berdasarkan laporan kes bunuh diri daripada Polis Diraja Malaysia

Data for 2020 to 2022 have been updated based on report on suicide cases from the Royal Malaysia Police

Jadual 14.5: Siri masa sebab kematian (disahkan secara perubatan) mengikut *Mortality Tabulation List 2* , ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.5: Time series of causes of deaths (medically certified) by Mortality Tabulation List 2, ICD-10, Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2015	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
596	606	623	706	673	718	760	727	698
1,899	2,121	1,789	2,070	1,987	2,056	2,032	1,967	2,785
161	181	194	201	219	217	239	233	210
468	528	1,017	2,917	2,008	2,146	2,792	2,105	1,975
9	15	12	16	24	26	66	51	45
6	-	5	8	5	5	8	1	10
124	109	135	140	127	121	100	91	96
5	4	10	24	11	23	31	31	20
91	73	82	118	91	83	88	107	108
679	787	1,263	2,187	1,526	2,057	2,642	2,135	1,738
11,018	11,310	13,503	18,267	16,336	18,525	21,482	20,382	18,121
3,858	4,000	4,771	5,715	5,226	5,252	6,243	5,782	5,609
5,678	5,876	6,878	9,154	8,699	9,105	10,181	9,168	8,657
18	10	36	17	17	10	10	18	13
636	746	809	876	893	854	834	919	963
17	13	13	20	41	36	3	27	79
10,200	10,678	12,365	13,804	13,384	12,423	17,503	16,894	18,181
7	4	16	17	11	115	78	26	6
1,306	1,583	1,927	3,074	2,314	2,265	2,337	2,332	2,203
3,407	3,629	4,319	4,551	4,262	3,797	4,640	4,134	4,222
258	268	323	386	346	315	377	355	351
1,408	1,414	1,567	1,631	1,604	1,427	1,534	1,553	1,491
624	122	129	148	145	140	131	158	159
13	14	10	22	13	9	12	16	23
73	101	89	66	61	78	72	53	45
36	27	27	28	25	29	41	33	15
1,255	1,247	1,334	1,324	1,208	1,045	1,082	1,110	1,245
953	1,052	1,000	1,183	1,079	957	1,008	989	1,102
4,099	4,565	4,640	4,984	5,381	4,786	6,280	5,955	5,611
8,845	10,368	11,947	13,692	13,076	12,480	13,737	13,551	12,868
4,196	4,640	4,499	4,391	4,201	3,169	3,061	4,011	4,244
83	76	117	217	177	206	227	144	134
412	399	427	423	369	235	104	87	24
3	2	1	12	7	15	6	9	1
50	49	63	57	50	56	26	25	22
31	20	22	30	12	641	1,131	973	1,068
105	97	69	66	49	42	47	47	48
-	-	-	-	-	405	31,063	5,314	415
3,685	3,676	3,871	3,980	3,971	3,066	3,133	3,270	3,313
80,691	**85,637**	**97,440**	**117,387**	**109,441**	**109,704**	**157,636**	**126,741**	**119,652**

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023

Sebab kematian *Causes of death*	**Tahun/** *Year*		
	2000	**2001**	**2002**
1. AIDS/ HIV	309	325	349
2. Alzheimer	2	-	3
3. Anemia/ *Anaemias*	55	29	29
4. Lelah/ *Asthma*	3,593	3,295	3,347
5. Barah bibir, dalam mulut dan tekak/ *Lips, oral and throat cancer*	130	103	93
6. Barah esofagus/ *Esophagus cancer*	13	12	8
7. Barah hati/ *Liver cancer*	353	360	358
8. Barah kolon, rektum dan dubur/ *Colon, rectum and anus cancer*	262	228	286
9. Barah limfoma/ *Lymphoma*	30	13	13
10. Barah otak dan lain-lain barah sistem saraf pusat/ *Brain and other nervous system cancer*	144	160	122
11. Barah ovari/ *Ovary cancer*	32	21	25
12. Barah pangkal rahim/ *Cervix cancer*	39	33	45
13. Barah pankreas/ *Pancreas cancer*	26	26	29
14. Barah payudara/ *Breast cancer*	251	232	273
15. Barah perut/ *Stomach cancer*	280	235	217
16. Barah peti suara/ *Larynx cancer*	6	4	6
17. Barah prostat/ *Prostate cancer*	12	11	9
18. Barah pundi kencing/ *Urinary bladder cancer*	21	16	12
19. Barah rahim/ *Uterus cancer*	81	84	106
20. Barah sel darah putih/ *Leukaemia*	116	102	129
21. Barah trakea, bronkus dan paru-paru/ *Trachea, bronchus and lung cancer*	391	345	320
22. Batuk kokol/ *Whooping cough*	-	-	-
23. Bunuh diri/ *Suicide*	62	47	82
24. Cirit birit/ *Dysentery/ Diarrhea*	56	57	75
25. Darah tinggi/ *Hypertension*	1,214	1,084	1,100
26. Demam campak/ *Measles*	18	18	14
27. Demam malaria/ *Malaria*	13	5	1
28. Demam viral dan dengan pendarahan/ *Viral fevers and viral haemorrhagic fevers*	4	7	13
29. Demam/ *Fever*	2,101	2,219	2,052
30. Dibunuh/ *Homicide*	49	22	33
31. Gangguan mental dan tingkah laku/ *Mental and behavioural disorders*	51	63	60
32. Gejala-gejala, tanda-tanda dan penemuan yang tidak normal/ *Symptoms, signs and abnormal findings*	10,248	9,754	9,228
33. Hepatitis A, B dan C/ *Hepatitis A, B and C*	20	35	40
34. Jatuh/ *Falls*	48	34	50

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023 (samb.)

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**
320	264	380	383	268	321	274	246	172
1	-	4	1	4	3	2	2	3
26	24	35	30	63	44	29	38	36
3,338	3,440	3,678	3,688	3,594	3,671	3,538	3,188	2,999
111	102	111	142	121	95	94	99	120
7	13	15	14	12	12	15	11	7
380	371	353	435	420	477	437	441	485
285	302	345	353	357	448	492	502	481
9	18	17	14	15	26	2	25	28
170	123	160	165	170	158	149	166	142
30	34	27	27	43	38	31	42	45
40	44	48	52	42	49	74	58	69
19	34	38	40	50	44	65	48	82
344	360	363	415	459	383	425	452	451
216	201	194	180	200	212	214	182	185
4	10	4	5	2	4	6	2	1
23	25	29	22	46	37	44	37	53
7	10	13	14	14	9	27	17	16
103	104	90	88	83	90	105	109	106
127	129	128	110	114	82	100	109	121
360	459	464	520	549	521	534	545	593
-	-	-	-	-	-	-	-	-
40	28	28	21	11	10	7	8	3
48	68	60	45	31	45	37	39	27
1,147	1,132	1,252	1,306	1,319	1,411	1,264	1,407	1,439
11	15	15	12	13	9	10	8	9
2	4	2	1	-	-	1	-	2
7	10	12	5	13	10	9	10	5
1,790	1,476	1,261	1,136	988	947	801	640	581
24	12	17	16	10	5	2	6	9
32	28	26	30	27	27	17	10	6
9,125	8,643	6,458	7,173	6,980	6,962	6,851	6,815	7,148
46	37	48	47	28	52	68	57	56
34	31	27	30	32	28	26	34	32

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023 (samb.)

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023 (cont'd)

Sebab kematian *Causes of death*	**Tahun/** *Year*		
	2012	**2013**	**2014**
1. AIDS/ HIV	183	115	117
2. Alzheimer	7	3	7
3. Anemia/ *Anaemias*	44	39	41
4. Lelah/ *Asthma*	2,970	2,823	1,728
5. Barah bibir, dalam mulut dan tekak/ *Lips, oral and throat cancer*	116	113	123
6. Barah esofagus/ *Esophagus cancer*	14	11	7
7. Barah hati/ *Liver cancer*	557	566	603
8. Barah kolon, rektum dan dubur/ *Colon, rectum and anus cancer*	579	592	678
9. Barah limfoma/ *Lymphoma*	34	31	38
10. Barah otak dan lain-lain barah sistem saraf pusat/ *Brain and other nervous system cancer*	164	173	197
11. Barah ovari/ *Ovary cancer*	49	63	62
12. Barah pangkal rahim/ *Cervix cancer*	91	98	75
13. Barah pankreas/ *Pancreas cancer*	89	89	102
14. Barah payudara/ *Breast cancer*	494	503	550
15. Barah perut/ *Stomach cancer*	193	197	195
16. Barah peti suara/ *Larynx cancer*	5	4	5
17. Barah prostat/ *Prostate cancer*	56	49	73
18. Barah pundi kencing/ *Urinary bladder cancer*	20	26	25
19. Barah rahim/ *Uterus cancer*	114	105	124
20. Barah sel darah putih/ *Leukaemia*	117	120	119
21. Barah trakea, bronkus dan paru-paru/ *Trachea, bronchus and lung cancer*	657	711	731
22. Batuk kokol/ *Whooping cough*	-	-	-
23. Bunuh diri/ *Suicide*	14	14	13
24. Cirit birit/ *Dysentery/ Diarrhea*	33	33	17
25. Darah tinggi/ *Hypertension*	1,502	1,603	1,755
26. Demam campak/ *Measles*	3	8	2
27. Demam malaria/ *Malaria*	2	1	-
28. Demam viral dan dengan pendarahan/ *Viral fevers and viral haemorrhagic fevers*	8	14	10
29. Demam/ *Fever*	564	504	397
30. Dibunuh/ *Homicide*	16	9	8
31. Gangguan mental dan tingkah laku/ *Mental and behavioural disorders*	5	5	13
32. Gejala-gejala, tanda-tanda dan penemuan yang tidak normal/ *Symptoms, signs and abnormal findings*	5,876	6,708	10,745
33. Hepatitis A, B dan C/ *Hepatitis A, B and C*	44	69	56
34. Jatuh/ *Falls*	50	45	50

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023 (samb.)

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2015	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
101	93	84	51	51	37	61	48	37
7	5	10	9	9	14	9	7	13
50	50	37	49	50	41	50	70	53
1,677	1,635	1,328	1,043	1,079	588	689	902	885
138	143	130	104	122	89	100	134	136
12	19	17	15	21	17	15	28	32
635	734	620	421	534	482	604	691	669
692	798	799	553	718	652	802	928	1,048
31	51	52	37	67	57	86	101	96
216	218	196	146	188	143	186	184	230
76	94	93	76	81	83	99	132	142
80	95	68	47	64	70	72	76	104
110	128	120	99	147	129	177	217	225
558	638	613	421	524	509	591	683	764
181	185	158	102	128	124	155	177	158
5	5	10	9	7	3	3	10	12
106	113	109	86	124	135	178	195	210
26	33	31	17	39	29	51	47	65
155	138	146	83	100	105	132	165	171
113	111	107	59	84	80	87	83	111
806	857	762	582	745	655	764	915	917
1	-	-	1	-	-	-	-	-
6	4	11	5	8	-	-	-	-
13	7	13	2	8	4	5	1	6
2,009	2,090	2,187	2,131	2,397	2,196	3,309	3,901	3,430
2	2	3	2	1	-	-	-	1
-	-	1	-	-	2	-	-	1
16	10	5	4	3	6	3	3	2
469	401	324	175	130	52	30	40	57
2	5	4	2	3	-	-	-	2
6	6	6	2	2	3	1	1	-
12,051	11,469	11,155	10,047	13,010	14,240	16,298	18,750	17,082
57	49	52	32	44	40	48	57	49
33	52	36	32	21	33	15	22	15

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023 (samb.)

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023 (cont'd)

Sebab kematian *Causes of death*	**Tahun/** *Year*		
	2000	**2001**	**2002**
35. Kancing gigi/ *Tetanus*	6	1	1
36. Keadaan tertentu berpunca dalam tempoh perinatal/ *Certain conditions originating in the perinatal period*	123	59	93
37. Kebakaran/ *Burning*	23	15	21
38. Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir/ *Congenital malformations, deformations and chromosomal abnormalities*	129	121	95
39. Kemalangan pengangkutan - udara, darat dan air/ *Transport accidents - air, land and water*	1,366	1,051	961
40. Kematian Ibu Bersalin/ *Maternal death*	7	4	2
41. Kencing manis/ *Diabetes mellitus*	1,076	1,160	1,236
42. Keracunan/ *Poisoning*	25	4	24
43. Kolera/ *Cholera*	-	-	-
44. Kuman dalam darah/ *Septicaemia*	207	109	131
45. Lain-lain barah/ *Other cancer*	1,814	1,861	1,822
46. Lain-lain penyakit/ *Other diseases*	2,087	1,906	1,890
47. Lain-lain penyakit berjangkit/ *Other infectious diseases*	46	60	55
48. Lain-lain penyakit berkaitan sistem peredaran darah/ *Other disorders of circulatory system*	115	302	175
49. Lain-lain penyakit sistem pernafasan/ *Other diseases of the respiratory system*	349	330	318
50. Mati lemas/ *Drowning*	268	218	220
51. Meningitis	33	17	17
52. Paru-paru berair/ *Pulmonary edema*	226	192	211
53. Penyakit hati/ *Liver disease*	172	126	117
54. Penyakit jangkitan melalui hubungan seksual/ *Sexually transmitted disease*	-	-	-
55. Penyakit jangkitan usus lain/ *Other infection of intestines diseases*	5	3	4
56. Penyakit jantung iskemia/ *Ischaemic heart diseases*	1,018	745	1,065
57. Penyakit lain berkaitan jantung/ *Other heart diseases*	3,587	3,830	3,850
58. Penyakit serebrovaskular/ *Cerebrovascular diseases*	997	804	898
59. Radang paru-paru/ *Pneumonia*	341	211	243
60. Sakit tua 65 tahun dan lebih/ *Old age 65 years and over*	26,559	26,969	29,258
61. Sebab-sebab kematian berpunca dari faktor luar/ *Other external causes*	329	272	213
62. Sesak nafas [bagi kematian bayi berumur 28-364 hari]/ *Difficulty in breathing [infant death for aged 28-364 days]*	133	62	76
63. Tibi/ Batuk kering/ *Tuberculosis*	331	266	285
64. Ulser perut/ *Gastric ulcer*	23	34	23
Keseluruhan sebab *All causes*	**61,425**	**59,711**	**61,831**

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023 (samb.)

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**
2	2	2	-	-	3	1	-	-
77	52	62	67	41	62	52	48	50
7	12	6	9	2	6	4	2	4
110	92	108	104	95	111	80	95	88
862	682	604	496	480	345	364	268	278
2	2	1	2	-	-	-	-	-
1,374	1,311	1,603	1,759	1,633	1,614	1,809	1,738	1,709
29	9	13	13	5	7	-	10	10
-	-	-	1	-	-	-	-	-
103	117	119	90	90	84	75	71	90
1,751	1,607	1,761	1,771	1,667	1,612	1,653	1,771	1,753
1,849	1,797	1,947	1,852	1,806	1,819	1,836	1,803	1,831
67	128	67	61	84	78	58	81	104
91	92	75	59	45	50	40	104	114
294	194	299	262	241	282	396	309	297
204	193	185	151	137	97	90	64	65
19	10	20	24	13	21	15	15	10
182	187	168	184	211	224	204	197	177
133	167	173	163	158	158	145	173	150
-	-	-	1	1	-	-	-	-
5	3	-	6	1	1	3	1	1
855	876	734	803	779	791	757	579	709
3,625	3,582	3,539	3,245	3,225	3,387	3,648	3,746	3,919
1,022	1,001	1,162	1,192	1,209	1,309	1,308	1,281	1,319
169	202	215	200	216	234	238	147	164
30,952	30,649	31,789	31,465	31,871	33,545	34,851	34,130	35,840
202	176	157	151	142	130	122	109	123
63	62	60	41	52	42	54	56	29
274	256	276	287	266	261	277	293	264
17	12	29	22	26	8	10	16	18
62,566	**61,024**	**60,876**	**61,001**	**60,574**	**62,511**	**63,840**	**62,460**	**64,628**

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023 (samb.)

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023 (cont'd)

Sebab kematian *Causes of death*	**Tahun/** *Year*		
	2012	**2013**	**2014**
35. Kancing gigi/ *Tetanus*	2	-	2
36. Keadaan tertentu berpunca dalam tempoh perinatal/ *Certain conditions originating in the perinatal period*	55	67	40
37. Kebakaran/ *Burning*	11	8	13
38. Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir/ *Congenital malformations, deformations and chromosomal abnormalities*	129	110	105
39. Kemalangan pengangkutan - udara, darat dan air/ *Transport accidents - air, land and water*	322	430	310
40. Kematian Ibu Bersalin/ *Maternal death*	-	-	-
41. Kencing manis/ *Diabetes mellitus*	1,865	1,869	2,161
42. Keracunan/ *Poisoning*	12	17	10
43. Kolera/ *Cholera*	-	-	-
44. Kuman dalam darah/ *Septicaemia*	125	126	111
45. Lain-lain barah/ *Other cancer*	1,776	1,870	1,953
46. Lain-lain penyakit/ *Other diseases*	1,984	2,040	2,185
47. Lain-lain penyakit berjangkit/ *Other infectious diseases*	90	151	127
48. Lain-lain penyakit berkaitan sistem peredaran darah/ *Other disorders of circulatory system*	138	134	109
49. Lain-lain penyakit sistem pernafasan/ *Other diseases of the respiratory system*	251	438	280
50. Mati lemas/ *Drowning*	108	83	78
51. Meningitis	27	32	28
52. Paru-paru berair/ *Pulmonary edema*	215	200	188
53. Penyakit hati/ *Liver disease*	206	181	182
54. Penyakit jangkitan melalui hubungan seksual/ *Sexually transmitted disease*	1	1	-
55. Penyakit jangkitan usus lain/ *Other infection of intestines diseases*	2	2	1
56. Penyakit jantung iskemia/ *Ischaemic heart diseases*	902	1,006	1,046
57. Penyakit lain berkaitan jantung/ *Other heart diseases*	4,180	4,354	4,631
58. Penyakit serebrovaskular/ *Cerebrovascular diseases*	1,595	1,721	1,804
59. Radang paru-paru/ *Pneumonia*	316	241	406
60. Sakit tua 65 tahun dan lebih/ *Old age 65 years and over*	37,353	37,068	38,065
61. Sebab-sebab kematian berpunca dari faktor luar/ *Other external causes*	175	151	146
62. Sesak nafas [bagi kematian bayi berumur 28-364 hari]/ *Difficulty in breathing [infant death for aged 28-364 days]*	29	30	33
63. Tibi/ Batuk kering/ *Tuberculosis*	294	266	263
64. Ulser perut/ *Gastric ulcer*	11	15	10
Keseluruhan sebab *All causes*	**66,844**	**68,055**	**72,953**

Jadual 14.6: Siri masa sebab kematian (tidak disahkan secara perubatan), Malaysia, 2000-2023 (samb.)

Table 14.6: Time series of causes of death (non-medically certified), Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2015	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
1	-	-	1	1	-	-	-	-
46	45	38	33	30	12	9	15	16
8	4	9	2	5	7	1	-	3
126	112	119	67	96	73	70	113	134
347	299	257	111	132	85	78	99	88
-	-	-	-	-	-	-	-	-
2,233	2,286	2,243	1,889	1,999	1,756	2,126	2,603	3,397
6	5	5	1	4	2	2	3	4
-	-	-	-	-	-	-	-	-
76	93	68	55	80	46	66	91	79
1,948	2,156	1,771	1,355	1,489	1,380	1,611	1,647	1,560
2,314	2,527	2,303	1,826	2,157	1,750	2,115	2,691	2,834
144	167	136	120	135	95	115	131	133
98	94	89	64	71	48	53	73	74
262	613	834	620	278	208	248	297	331
89	74	74	26	44	20	30	17	26
33	31	28	16	14	21	14	24	15
195	176	183	140	131	103	131	144	153
202	209	180	149	157	129	180	208	174
-	-	-	-	-	-	-	1	-
1	2	3	-	2	-	1	-	-
1,367	1,459	1,217	921	1,031	740	812	1,022	1,011
4,492	4,749	4,294	3,178	3,324	2,470	2,978	3,878	4,347
1,891	2,018	1,871	1,483	1,715	1,368	1,581	2,102	2,638
412	328	268	310	411	242	331	471	548
37,869	38,452	35,057	25,549	30,729	26,108	29,910	35,581	32,758
192	119	119	70	78	48	50	66	73
25	21	19	8	4	2	1	5	2
258	271	239	198	176	136	150	181	179
20	16	17	8	11	10	12	8	13
75,095	**76,564**	**70,728**	**54,644**	**64,813**	**57,477**	**67,295**	**80,039**	**77,313**

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023

Sebab kematian/ *Causes of death*	**2000**		**2001**	
	Bil. *No.*	**%**	**Bil.** *No.*	**%**
1. *Certain infectious and parasitic diseases*	4,214	10.7	5,002	11.2
2. *Neoplasms*	4,689	11.9	5,231	11.7
3. *Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*	317	0.8	395	0.9
4. *Endocrine, nutritional and metabolic diseases*	816	2.1	1,093	2.4
5. *Mental and behavioural disorders*	49	0.1	98	0.2
6 *Diseases of the nervous system*	703	1.8	732	1.6
7. *Diseases of the eye and adnexa*	-	-	1	0.0
8 *Diseases of the ear and mastoid process*	-	-	1	0.0
9. *Diseases of the circulatory system*	11,336	28.9	12,779	28.5
10. *Diseases of the respiratory system*	4,621	11.8	5,500	12.3
11. *Diseases of the digestive system*	1,751	4.5	1,900	4.2
12. *Diseases of the skin and subcutaneous tissue*	138	0.4	138	0.3
13. *Diseases of the musculoskeletal system and connective tissue*	133	0.3	153	0.3
14. *Diseases of the genitourinary system*	1,263	3.2	1,432	3.2
15. *Pregnancy, childbirth and the puerperium*	124	0.3	147	0.3
16. *Certain conditions originating in the perinatal period*	1,002	2.6	1,299	2.9
17. *Congenital malformations, deformations and chromosomal abnormalities*	589	1.5	661	1.5
18. *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	1,513	3.9	1,861	4.2
19. *Injury, poisoning and certain other consequences of external causes*	-	-	-	-
20. *Codes for special purposes*	-	-	-	-
21. *External causes of morbidity and mortality*	6,024	15.3	6,397	14.3
22. *Factors influencing health status and contact with health services*	-	-	-	-
Keseluruhan sebab *All causes*	**39,282**		**44,820**	

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023 (cont'd)

2002		2003		2004		2005	
Bil. *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**
5,361	11.0	6,560	13.1	6,622	12.7	6,271	11.5
5,741	11.8	5,997	12.0	6,387	12.2	6,697	12.3
498	1.0	257	0.5	272	0.5	478	0.9
1,009	2.1	1,324	2.6	1,302	2.5	1,496	2.7
91	0.2	56	0.1	51	0.1	48	0.1
855	1.8	842	1.7	935	1.8	934	1.7
-	-	1	0.0	2	0.0	1	0.0
-	-	3	0.0	2	0.0	3	0.0
13,920	28.7	13,858	27.6	14,488	27.8	15,678	28.7
5,952	12.3	6,076	12.1	6,402	12.3	6,656	12.2
2,074	4.3	2,105	4.2	2,218	4.3	2,302	4.2
194	0.4	204	0.4	246	0.5	268	0.5
160	0.3	198	0.4	224	0.4	199	0.4
1,608	3.3	1,085	2.2	1,263	2.4	1,676	3.1
157	0.3	135	0.3	129	0.2	129	0.2
1,136	2.3	1,062	2.1	1,216	2.3	1,203	2.2
917	1.9	854	1.7	808	1.5	884	1.6
1,918	4.0	1,932	3.9	1,897	3.6	2,027	3.7
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6,945	14.3	7,629	15.2	7,704	14.7	7,610	13.9
-	-	-	-	-	-	-	-
48,536		**50,178**		**52,168**		**54,560**	

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023 (cont'd)

Sebab kematian/ *Causes of death*	**2006**		**2007**	
	Bil. *No.*	**%**	**Bil.** *No.*	**%**
1. *Certain infectious and parasitic diseases*	6,352	11.2	6,383	10.6
2. *Neoplasms*	7,226	12.7	7,921	13.2
3. *Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*	527	0.9	633	1.1
4. *Endocrine, nutritional and metabolic diseases*	1,488	2.6	1,351	2.2
5. *Mental and behavioural disorders*	46	0.1	41	0.1
6 *Diseases of the nervous system*	828	1.5	870	1.4
7. *Diseases of the eye and adnexa*	1	0.0	1	0.0
8 *Diseases of the ear and mastoid process*	3	0.0	3	0.0
9. *Diseases of the circulatory system*	16,360	28.8	17,469	29.1
10. *Diseases of the respiratory system*	7,059	12.4	7,908	13.2
11. *Diseases of the digestive system*	2,327	4.1	2,428	4.0
12. *Diseases of the skin and subcutaneous tissue*	348	0.6	367	0.6
13. *Diseases of the musculoskeletal system and connective tissue*	281	0.5	316	0.5
14. *Diseases of the genitourinary system*	1,753	3.1	1,988	3.3
15. *Pregnancy, childbirth and the puerperium*	125	0.2	138	0.2
16. *Certain conditions originating in the perinatal period*	1,136	2.0	1,227	2.0
17. *Congenital malformations, deformations and chromosomal abnormalities*	898	1.6	872	1.5
18. *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	2,152	3.8	2,152	3.6
19. *Injury, poisoning and certain other consequences of external causes*	-	-	-	-
20. *Codes for special purposes*	-	-	-	-
21. *External causes of morbidity and mortality*	7,867	13.9	8,028	13.4
22. *Factors influencing health status and contact with health services*	-	-	-	-
Keseluruhan sebab *All causes*	**56,777**		**60,096**	

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023 (cont'd)

2008		2009		2010		2011	
Bil. *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**
6,456	10.0	6,983	10.3	7,088	10.3	6,857	9.7
8,451	13.1	8,687	12.9	9,043	13.2	9,594	13.5
584	0.9	664	1.0	576	0.8	525	0.7
1,411	2.2	1,531	2.3	1,360	2.0	1,171	1.7
32	0.0	5	0.0	16	0.0	27	0.0
940	1.5	894	1.3	947	1.4	956	1.3
1	0.0	2	0.0	2	0.0	-	-
2	0.0	6	0.0	3	0.0	6	0.0
18,661	28.9	18,598	27.6	18,842	27.5	19,895	28.1
9,038	14.0	10,269	15.2	10,367	15.1	11,311	16.0
2,798	4.3	2,774	4.1	2,679	3.9	2,855	4.0
445	0.7	550	0.8	540	0.8	616	0.9
324	0.5	416	0.6	446	0.7	486	0.7
2,119	3.3	2,267	3.4	2,563	3.7	2,577	3.6
133	0.2	134	0.2	128	0.2	134	0.2
1,249	1.9	1,383	2.0	1,355	2.0	1,292	1.8
955	1.5	1,028	1.5	990	1.4	1,064	1.5
2,388	3.7	2,474	3.7	2,734	4.0	2,740	3.9
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
8,600	13.3	8,823	13.1	8,839	12.9	8,729	12.3
-	-	-	-	-	-	-	-
64,587		**67,488**		**68,518**		**70,835**	

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023 (cont'd)

Sebab kematian/ *Causes of death*	**2012**		**2013**	
	Bil. *No.*	**%**	**Bil.** *No.*	**%**
1. *Certain infectious and parasitic diseases*	7,008	9.8	6,908	9.3
2. *Neoplasms*	9,717	13.5	10,141	13.7
3. *Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*	521	0.7	545	0.7
4. *Endocrine, nutritional and metabolic diseases*	1,112	1.5	1,064	1.4
5. *Mental and behavioural disorders*	14	0.0	14	0.0
6 *Diseases of the nervous system*	971	1.4	1,035	1.4
7. *Diseases of the eye and adnexa*	1	0.0	1	0.0
8 *Diseases of the ear and mastoid process*	5	0.0	2	0.0
9. *Diseases of the circulatory system*	19,985	27.8	20,033	27.0
10. *Diseases of the respiratory system*	11,890	16.5	13,343	18.0
11. *Diseases of the digestive system*	2,997	4.2	2,968	4.0
12. *Diseases of the skin and subcutaneous tissue*	750	1.0	788	1.1
13. *Diseases of the musculoskeletal system and connective tissue*	544	0.8	537	0.7
14. *Diseases of the genitourinary system*	2,691	3.7	2,918	3.9
15. *Pregnancy, childbirth and the puerperium*	122	0.2	108	0.1
16. *Certain conditions originating in the perinatal period*	1,246	1.7	1,228	1.7
17. *Congenital malformations, deformations and chromosomal abnormalities*	1,008	1.4	985	1.3
18. *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	2,472	3.4	2,666	3.6
19. *Injury, poisoning and certain other consequences of external causes*	-	-	-	-
20. *Codes for special purposes*	-	-	-	-
21. *External causes of morbidity and mortality*	8,794	12.2	8,863	12.0
22. *Factors influencing health status and contact with health services*	-	-	-	-
Keseluruhan sebab *All causes*	**71,848**		**74,147**	

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023 (cont'd)

2014		2015		2016		2017	
Bil. *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**
7,353	9.5	6,362	7.9	6,688	7.8	6,920	7.1
10,798	14.0	11,136	13.8	11,892	13.9	13,771	14.1
554	0.7	600	0.7	610	0.7	639	0.7
1,194	1.5	1,272	1.6	1,443	1.7	2,095	2.2
17	0.0	10	0.0	3	0.0	27	0.0
1,134	1.5	1,112	1.4	1,265	1.5	1,379	1.4
2	0.0	4	0.0	-	-	5	0.0
7	0.0	8	0.0	6	0.0	6	0.0
20,988	27.1	21,978	27.2	22,802	26.6	27,342	28.1
13,757	17.8	14,937	18.5	15,907	18.6	18,640	19.1
3,180	4.1	3,239	4.0	3,494	4.1	3,864	4.0
881	1.1	948	1.2	1,049	1.2	1,334	1.4
664	0.9	733	0.9	755	0.9	857	0.9
3,271	4.2	3,356	4.2	3,752	4.4	4,391	4.5
118	0.2	124	0.2	148	0.2	127	0.1
1,219	1.6	1,255	1.6	1,247	1.5	1,334	1.4
1,056	1.4	953	1.2	1,052	1.2	1,000	1.0
2,565	3.3	4,099	5.1	4,565	5.3	4,640	4.8
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
8,607	11.1	8,565	10.6	8,959	10.5	9,069	9.3
-	-	-	-	-	-	-	-
77,365		**80,691**		**85,637**		**97,440**	

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023 (cont'd)

Sebab kematian/ *Causes of death*	**2018**		**2019**	
	Bil. *No.*	**%**	**Bil.** *No.*	**%**
1. *Certain infectious and parasitic diseases*	7,519	6.4	7,457	6.8
2. *Neoplasms*	16,840	14.3	15,759	14.4
3. *Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*	671	0.6	663	0.6
4. *Endocrine, nutritional and metabolic diseases*	4,252	3.6	3,192	2.9
5. *Mental and behavioural disorders*	107	0.1	57	0.1
6 *Diseases of the nervous system*	1,628	1.4	1,540	1.4
7. *Diseases of the eye and adnexa*	2	0.0	2	0.0
8 *Diseases of the ear and mastoid process*	11	0.0	11	0.0
9. *Diseases of the circulatory system*	36,334	31.0	32,788	30.0
10. *Diseases of the respiratory system*	21,466	18.3	20,012	18.3
11. *Diseases of the digestive system*	4,261	3.6	4,130	3.8
12. *Diseases of the skin and subcutaneous tissue*	1,472	1.3	1,534	1.4
13. *Diseases of the musculoskeletal system and connective tissue*	1,074	0.9	1,074	1.0
14. *Diseases of the genitourinary system*	4,965	4.2	4,615	4.2
15. *Pregnancy, childbirth and the puerperium*	118	0.1	103	0.1
16. *Certain conditions originating in the perinatal period*	1,324	1.1	1,208	1.1
17. *Congenital malformations, deformations and chromosomal abnormalities*	1,183	1.0	1,079	1.0
18. *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	4,984	4.2	5,381	4.9
19. *Injury, poisoning and certain other consequences of external causes*	-	-	-	-
20. *Codes for special purposes*	-	-	-	-
21. *External causes of morbidity and mortality*	9,176	7.8	8,836	8.1
22. *Factors influencing health status and contact with health services*	-	-	-	-
Keseluruhan sebab *All causes*	**117,387**		**109,441**	

Jadual 14.7: Siri masa kematian yang disahkan secara perubatan mengikut Bab ICD-10, Malaysia, 2000-2023 (samb.)

Table 14.7: Time series of medically certified deaths by ICD-10 Chapters, Malaysia, 2000-2023 (cont'd)

2020		2021		2022		2023	
Bil. *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**	**Bil.** *No.*	**%**
7,328	6.7	9,337	5.9	9,426	7.4	9,259	7.7
16,902	15.4	16,588	10.5	15,933	12.6	16,545	13.8
625	0.6	684	0.4	722	0.6	700	0.6
3,340	3.0	4,293	2.7	3,492	2.8	3,194	2.7
46	0.0	41	0.0	72	0.1	56	0.0
1,477	1.3	1,580	1.0	1,591	1.3	1,611	1.3
2	0.0	7	0.0	6	0.0	5	0.0
9	0.0	7	0.0	10	0.0	15	0.0
35,886	32.7	41,480	26.3	38,511	30.4	35,209	29.4
18,636	17.0	24,561	15.6	23,413	18.5	24,691	20.6
3,836	3.5	4,201	2.7	4,303	3.4	4,162	3.5
1,291	1.2	1,356	0.9	1,448	1.1	1,354	1.1
1,009	0.9	1,129	0.7	1,111	0.9	1,131	0.9
4,577	4.2	5,076	3.2	4,665	3.7	4,408	3.7
117	0.1	128	0.1	104	0.1	85	0.1
1,045	1.0	1,082	0.7	1,110	0.9	1,245	1.0
957	0.9	1,008	0.6	989	0.8	1,102	0.9
4,786	4.4	6,280	4.0	5,955	4.7	5,611	4.7
-	-	-	-	-	-	-	-
405	0.4	31,063	19.7	5,314	4.2	415	0.3
7,430	6.8	7,735	4.9	8,566	6.8	8,854	7.4
-	-	-	-	-	-	-	-
109,704		**157,636**		**126,741**		**119,652**	

Jadual 14.8: Siri masa kematian yang disahkan secara perubatan mengikut Bab Neoplasma, Malaysia, 2000-2023

Jadual 14.8: Time series of medically certified deaths by Chapters of Neoplasms, Malaysia, 2000-2023

Sebab kematian/ *Causes of death*	**Tahun/** *Year*		
	2000	**2001**	**2002**
1. *Malignant neoplasms of lip, oral cavity and pharynx*	332	319	351
2. *Malignant neoplasms of digestive organs*	1,184	1,311	1,462
3. *Malignant neoplasms of respiratory and intrathoracic organs*	886	1,062	1,220
4. *Malignant neoplasms of bone and articular cartilage*	7	17	22
5. *Melanoma and other malignant neoplasms of skin*	45	25	41
6. *Malignant neoplasms of mesothelial and soft tissue*	57	55	51
7. *Malignant neoplasms of breast*	354	411	454
8. *Malignant neoplasms of female genital organs*	281	339	340
9. *Malignant neoplasms of male genital organs*	68	78	93
10. *Malignant neoplasms of urinary tract*	91	104	107
11. *Malignant neoplasms of eye, brain and other parts of central nervous system*	74	91	100
12. *Malignant neoplasms of thyroid and other endocrine glands*	53	61	68
13. *Malignant neoplasms of ill-defined, secondary and unspecified sites*	414	463	440
14. *Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue*	556	619	672
15. *Malignant neoplasms of independent (primary) multiple sites*	18	1	8
16. *In situ neoplasms*	12	4	1
17. *Benign neoplasms*	34	33	39
18. *Neoplasms of uncertain or unknown behaviour*	223	238	272
Keseluruhan sebab *All causes*	**4,689**	**5,231**	**5,741**

Jadual 14.8: Siri masa kematian yang disahkan secara perubatan mengikut Bab Neoplasma, Malaysia, 2000-2023 (samb.)

Jadual 14.8: Time series of medically certified deaths by Chapters of Neoplasms, Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2003	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**
386	390	395	400	414	471	482	484	508
1,509	1,618	1,641	1,867	2,080	2,200	2,310	2,382	2,569
1,169	1,268	1,360	1,423	1,524	1,658	1,606	1,637	1,689
24	24	33	19	30	16	13	10	18
32	40	59	43	47	59	70	66	70
58	58	91	79	86	91	101	113	117
465	534	595	684	744	824	873	867	909
397	407	429	463	542	542	604	585	637
98	106	98	127	146	147	185	175	204
125	154	142	151	191	181	191	251	238
86	101	98	107	118	119	95	123	138
78	79	72	82	102	101	109	104	113
526	487	529	502	594	635	545	738	851
719	787	777	861	869	908	992	994	1,011
4	7	15	14	9	20	25	14	34
2	1	2	1	3	3	6	6	4
41	41	60	59	54	67	54	48	50
278	285	301	344	368	409	426	446	434
5,997	**6,387**	**6,697**	**7,226**	**7,921**	**8,451**	**8,687**	**9,043**	**9,594**

Jadual 14.8: Siri masa kematian yang disahkan secara perubatan mengikut Bab Neoplasma, Malaysia, 2000-2023 (samb.)

Jadual 14.8: Time series of medically certified deaths by Chapters of Neoplasms, Malaysia, 2000-2023 (cont'd

Sebab kematian/ *Causes of death*	**Tahun/** *Year*		
	2012	**2013**	**2014**
1. *Malignant neoplasms of lip, oral cavity and pharynx*	427	454	469
2. *Malignant neoplasms of digestive organs*	2,582	2,680	2,784
3. *Malignant neoplasms of respiratory and intrathoracic organs*	1,796	1,895	1,820
4. *Malignant neoplasms of bone and articular cartilage*	15	17	13
5. *Melanoma and other malignant neoplasms of skin*	79	80	93
6. *Malignant neoplasms of mesothelial and soft tissue*	131	135	143
7. *Malignant neoplasms of breast*	977	1,033	1,061
8. *Malignant neoplasms of female genital organs*	644	673	708
9. *Malignant neoplasms of male genital organs*	201	215	287
10. *Malignant neoplasms of urinary tract*	221	251	294
11. *Malignant neoplasms of eye, brain and other parts of central nervous system*	122	125	144
12. *Malignant neoplasms of thyroid and other endocrine glands*	119	125	114
13. *Malignant neoplasms of ill-defined, secondary and unspecified sites*	882	947	1,125
14. *Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue*	1,039	1,018	1,143
15. *Malignant neoplasms of independent (primary) multiple sites*	10	20	20
16. *In situ neoplasms*	6	1	5
17. *Benign neoplasms*	73	60	64
18. *Neoplasms of uncertain or unknown behaviour*	393	412	511
Keseluruhan sebab *All causes*	**9,717**	**10,141**	**10,798**

Jadual 14.8: Siri masa kematian yang disahkan secara perubatan mengikut Bab Neoplasma, Malaysia, 2000-2023 (samb.)

Jadual 14.8: Time series of medically certified deaths by Chapters of Neoplasms, Malaysia, 2000-2023 (cont'd)

Tahun/ *Year*								
2015	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
514	527	664	757	669	720	681	605	611
2,952	3,123	3,812	5,166	4,645	5,309	5,159	4,730	5,054
1,909	1,958	2,375	2,966	2,808	2,895	2,828	2,824	2,530
15	34	52	97	59	109	111	81	107
93	103	129	137	132	135	120	131	128
165	160	192	237	251	229	194	222	234
1,070	1,251	1,686	1,978	1,871	1,952	1,932	1,924	1,681
726	765	913	1,152	1,130	1,197	1,125	1,140	1,246
254	318	443	533	498	544	573	511	552
272	322	351	421	443	465	453	401	431
156	138	186	303	268	368	387	361	306
150	144	177	238	213	208	238	200	231
1,054	1,202	698	696	617	653	658	632	1,379
1,171	1,218	1,352	1,440	1,412	1,431	1,491	1,464	1,468
11	3	-	1	-	-	-	-	-
6	7	11	11	5	10	8	9	2
66	90	109	114	115	103	106	117	102
552	529	621	593	623	574	524	581	483
11,136	**11,892**	**13,771**	**16,840**	**15,759**	**16,902**	**16,588**	**15,933**	**16,545**

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NOTA TEKNIKAL

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1. PENDAHULUAN

Statistik kematian dan sebab kematian utama dalam penerbitan ini adalah berdasarkan rekod kematian yang didaftarkan di Jabatan Pendaftaran Negara (JPN). Statistik sebab kematian utama yang dipaparkan adalah mengikut kategori sebab kematian yang disahkan dan tidak disahkan secara perubatan.

Penyusunan statistik ini adalah berdasarkan konsep dan garis panduan daripada *Principles and Recommendations for a Vital Statistics System, Revision 3* yang diterbitkan oleh *United Nations Statistics Division* (2014) dan *International Statistical Classification of Diseases and Related Health Problems, 10th Revision* (ICD-10) yang diterbitkan oleh *World Health Organization* (2010).

2. INDIKATOR KEMATIAN

2.1 Indikator kematian dikira menggunakan anggaran penduduk pertengahan tahun semasa, kelahiran hidup dan kelahiran mati. Statistik kematian ini meliputi bilangan dan kadar kematian yang disusun mengikut bab iaitu kematian keseluruhan Malaysia, kematian perinatal, kematian neonatal, kematian bayi, kematian kanak-kanak, kematian kurang daripada 5 tahun, kematian ibu bersalin, kematian penduduk berumur 0–14 tahun, kematian penduduk berumur 15–40 tahun, kematian penduduk berumur 41–59 tahun, kematian penduduk berumur 60 tahun dan lebih dan kematian pramatang (30-69 tahun).

2.2 Semua indikator demografi yang melibatkan data penduduk tahun 2020 hingga 2022 telah disemak semula berasaskan data Banci Penduduk dan Perumahan Malaysia. Manakala, indikator bagi tahun 2011 hingga 2019 berasaskan data Banci Penduduk dan Perumahan Malaysia 2010 dan akan disemak semula. Data kematian bagi tahun 2020 hingga 2022 telah dikemas kini berdasarkan laporan kes bunuh diri daripada Polis Diraja Malaysia.

3. LIPUTAN DAN KEKANGAN

3.1 Liputan

3.1.1 Rekod kematian yang diperoleh daripada JPN adalah meliputi seluruh Malaysia.

3.1.2 Kematian perinatal meliputi kelahiran mati dan kematian bayi yang berumur kurang daripada satu minggu. Walau bagaimanapun, sebab kematian perinatal hanya memaparkan sebab kematian bayi yang berumur kurang daripada satu minggu sahaja (sebab kematian bagi kelahiran mati tidak tersedia). Oleh itu, perangkaan sebab kematian perinatal lebih rendah berbanding bilangan kematian perinatal.

3.2 Kekangan

3.2.1 Maklumat kematian yang disusun dalam penerbitan ini adalah berdasarkan kepada rekod kematian yang dibekalkan oleh JPN.

3.2.2 Sebab kematian utama yang dipaparkan adalah bilangan kematian tertinggi bagi sebab kematian yang spesifik.

3.2.3 Penyusunan sebab kematian utama yang dipaparkan tidak mengambil kira sebab kematian tidak diketahui. Selain itu, sebab kematian yang tidak spesifik juga tidak diambilkira (cth: *other heart diseases, all other diseases*) kerana ia tidak membawa erti apabila disusun mengikut keutamaan penyakit yang menyebabkan kematian. Pengguna dinasihatkan supaya berhati-hati dalam membuat interpretasi data.

4. TEMPAT KEDIAMAN

Statistik kematian dan sebab kematian yang dibentangkan adalah berasaskan tempat kediaman biasa si mati.

5. KUMPULAN ETNIK

Klasifikasi kumpulan etnik adalah berasaskan klasifikasi yang telah digunakan semasa Banci Penduduk dan Perumahan 2020. Klasifikasi adalah seperti berikut:

Warganegara

- Bumiputera
  - Melayu
  - Bumiputera lain
- Cina
- India
- Lain-lain

Bukan warganegara

6. PENGESAHAN SEBAB KEMATIAN

6.1 Maklumat sebab kematian terbahagi kepada dua iaitu sebab kematian yang disahkan secara perubatan dan tidak disahkan secara perubatan. Sebab kematian yang disahkan secara perubatan merujuk kepada pengesahan yang dibuat oleh Pegawai Perubatan dan Koroner sahaja. Koroner merupakan pegawai awam yang menyiasat kes kematian mengejut yang puncanya disyaki ada kaitan dengan kes jenayah. Sebab kematian yang tidak disahkan secara perubatan merujuk kepada pengesahan yang dibuat oleh pengesah yang tidak mempunyai kelayakan perubatan seperti polis atau orang perseorangan.

6.2 Kementerian Kesihatan Malaysia (KKM) telah melaksanakan verifikasi data penyebab kematian yang tidak disahkan secara perubatan di Malaysia untuk meningkatkan peratusan sebab kematian yang disahkan secara perubatan. Sistem ini dikenali sebagai 'Sistem Verifikasi Data Penyebab Kematian Yang Tidak Disahkan Secara Perubatan'.

6.3 Sistem Verifikasi Data Penyebab Kematian Yang Tidak Disahkan Secara Perubatan ini adalah bertujuan untuk menambah baik pelaporan dan penulisan sebab kematian yang berlaku di luar premis kesihatan (hospital) dan tidak bertujuan untuk mengubah mana-mana Akta sedia ada, tidak boleh digunakan untuk mengubah sebab kematian sedia ada dalam pendaftaran di

Jabatan Pendaftaran Negara (JPN) dan tidak boleh digunakan untuk kes-kes mahkamah.

7. PENGEKODAN SEBAB KEMATIAN

Sebab kematian yang disahkan secara perubatan dikod berdasarkan *International Statistical Classification of Diseases and Related Health Problem, 10th Revision (ICD-10)*. Sebab kematian yang tidak disahkan secara perubatan dikod berdasarkan Buku Kod Sebab Kematian Yang Tidak Disahkan Versi 3 yang telah dibangunkan oleh Jabatan Perangkaan Malaysia berdasarkan persetujuan dengan pihak Kementerian Kesihatan Malaysia, Jabatan Pendaftaran Negara, Polis Diraja Malaysia dan Dewan Bandaraya Kuala Lumpur.

8. MATLAMAT PEMBANGUNAN MAMPAN (SDG)

Pada bulan September 2015, Malaysia menyatakan komitmen dan sokongan untuk melaksanakan Agenda 2030 ke arah Matlamat Pembangunan Mampan (SDG) dari tahun 2016 hingga 2030.

SDG mengandungi 17 Matlamat, 169 Sasaran dan 248 Indikator. Perangkaan Sebab Kematian merupakan sebahagian daripada indikator yang disenaraikan dalam Matlamat 3: Memastikan kehidupan yang sihat dan mempromosikan kesejahteraan untuk semua peringkat umur. Terdapat dua indikator yang berkaitan iaitu indikator 3.4.1 dan 3.4.2.

Konsep dan definisi bagi indikator SDG adalah berdasarkan kepada metadata yang dikeluarkan oleh Pertubuhan Bangsa-bangsa Bersatu (PBB) dan *World Health Organization* (WHO).

i. Kadar mortaliti berpunca daripada *Cardiovascular diseases, Cancer, Diabetes* dan *Chronic respiratory diseases* adalah kematian bagi setiap 100,000 penduduk yang berumur 30 hingga 69 tahun. Kod ICD-10 bagi *Cardiovascular diseases, Cancer, Diabetes* dan *Chronic respiratory diseases* adalah I00-I99, C00-C97, E10-E14 dan J30-J98.

ii. Kadar kematian bunuh diri adalah bilangan bunuh diri bagi setiap 100,000 penduduk. Kod ICD-10 untuk bunuh diri adalah X60-X84 (*Intentional Self-harm*).

9. KONSEP

i. Kelahiran mati

Merujuk kepada kelahiran selepas kehamilan 28 minggu atau lebih yang tiada tanda bernyawa semasa dilahirkan.

ii. Kematian perinatal

Merujuk kepada kelahiran mati dan kematian bayi yang berumur kurang daripada satu minggu.

iii. Kematian neonatal awal

Merujuk kepada kematian bayi yang berumur kurang daripada satu minggu.

iv. Kematian neonatal akhir

Merujuk kepada kematian bayi yang berumur 7 hingga kurang daripada 28 hari.

v. Kematian neonatal

Merujuk kepada kematian bayi yang berumur kurang daripada 28 hari.

vi. Kematian bayi

Merujuk kepada kematian bayi yang berumur kurang daripada 1 tahun.

vii. Kematian kanak-kanak

Merujuk kepada kematian kanak-kanak yang berumur 1 hingga 4 tahun.

viii. Kematian kurang daripada 5 tahun

Merujuk kepada kematian bayi dan kanak-kanak yang berumur kurang daripada 5 tahun.

ix. Kematian ibu bersalin

Merujuk kepada kematian seorang wanita ketika melahirkan anak atau 42 hari dalam tempoh selepas melahirkan anak atau keguguran akibat daripada proses kehamilan dan pengendaliannya atau penyakit-penyakit yang menjejaskan kesihatan ibu dan bukan daripada penyebab kemalangan atau kebetulan.

x. Kematian penduduk umur 0–14 tahun

Merujuk kepada kematian penduduk yang berumur 0 hingga 14 tahun.

xi. Kematian penduduk umur 15–40 tahun

Merujuk kepada kematian penduduk yang berumur 15 hingga 40 tahun.

xii. Kematian penduduk umur 41–59 tahun

Merujuk kepada kematian penduduk yang berumur 41 hingga 59 tahun.

xiii. Kematian penduduk berumur 60 tahun dan lebih

Merujuk kepada kematian penduduk yang berumur 60 tahun dan lebih.

xiv. Kematian pramatang

Merujuk kepada kematian penduduk yang berumur 30 hingga 69 tahun.

10. FORMULA

i. Kadar kematian kasar

$$= \frac{\text{Bilangan kematian dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun dalam tahun}_t} \times 1{,}000$$

ii. Kadar kelahiran mati

$$= \frac{\text{Bilangan kelahiran mati dalam tahun}_t}{\text{(Bilangan kelahiran hidup + bilangan kelahiran mati) dalam tahun}_t} \times 1{,}000$$

iii. Kadar mortaliti perinatal

$$= \frac{\text{(Bilangan kematian umur kurang daripada 1 minggu + bilangan kelahiran mati) dalam tahun}_t}{\text{(Bilangan kelahiran hidup + bilangan kelahiran mati) dalam tahun}_t} \times 1{,}000$$

iv. Kadar mortaliti neonatal awal

$$= \frac{\text{Bilangan kematian umur kurang daripada 1 minggu dalam tahun}_t}{\text{Bilangan kelahiran hidup dalam tahun}_t} \times 1{,}000$$

v. Kadar mortaliti neonatal akhir

$$= \frac{\text{Bilangan kematian umur 7 hingga kurang daripada 28 hari dalam tahun}_t}{\text{Bilangan kelahiran hidup dalam tahun}_t} \times 1{,}000$$

vi. Kadar mortaliti neonatal

$$= \frac{\text{Bilangan kematian umur kurang daripada 28 hari dalam tahun}_t}{\text{Bilangan kelahiran hidup dalam tahun}_t} \times 1{,}000$$

vii. Kadar mortaliti bayi

$$= \frac{\text{Bilangan kematian umur kurang daripada 1 tahun dalam tahun}_t}{\text{Bilangan kelahiran hidup dalam tahun}_t} \times 1{,}000$$

viii. Kadar mortaliti kanak-kanak

$$= \frac{\text{Bilangan kematian umur 1–4 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun bagi umur 1–4 tahun dalam tahun}_t} \times 1{,}000$$

ix. Kadar mortaliti kurang daripada 5 tahun

$$= \frac{\text{Bilangan kematian berumur kurang daripada 5 tahun dalam tahun}_t}{\text{Bilangan kelahiran hidup dalam tahun}_t} \times 1{,}000$$

x. Nisbah mortaliti ibu bersalin

$$= \frac{\text{Bilangan kematian yang disebabkan oleh kesulitan semasa hamil atau semasa melahirkan anak atau kematian dalam tempoh 42 hari selepas bersalin dalam tahun}_t}{\text{Bilangan kelahiran hidup dalam tahun}_t} \times 100{,}000$$

xi. Kadar mortaliti penduduk 0–14 tahun

$$= \frac{\text{Bilangan kematian penduduk berumur 0–14 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 0–14 tahun dalam tahun}_t} \times 1{,}000$$

xii. Kadar mortaliti penduduk 15–40 tahun

$$= \frac{\text{Bilangan kematian penduduk berumur 15–40 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 15–40 tahun dalam tahun}_t} \times 1{,}000$$

xiii. Kadar mortaliti penduduk 41–59 tahun

$$= \frac{\text{Bilangan kematian penduduk berumur 41–59 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 41–59 tahun dalam tahun}_t} \times 1{,}000$$

xiv. Kadar mortaliti penduduk 60 tahun dan lebih

$$= \frac{\text{Bilangan kematian penduduk berumur 60 tahun dan lebih dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 60 tahun dan lebih tahun dalam tahun}_t} \times 1{,}000$$

xv. Kadar mortaliti pramatang

$$= \frac{\text{Bilangan kematian penduduk berumur 30 hingga 69 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 30 hingga 69 tahun dalam tahun}_t} \times 1{,}000$$

xvi. Kadar kematian berpunca daripada *Cardiovascular diseases*

$$= \frac{\text{Bilangan kematian penduduk yang berpunca daripada } \textit{Cardiovascular diseases} \text{ yang berumur 30 hingga 69 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 30 hingga 69 tahun dalam tahun}_t} \times 100{,}000$$

xvii. Kadar kematian berpunca daripada *Cancer*

$$= \frac{\text{Bilangan kematian penduduk yang berpunca daripada } \textit{Cancer} \text{ yang berumur 30 hingga 69 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 30 hingga 69 tahun dalam tahun}_t} \times 100{,}000$$

xviii. Kadar kematian berpunca daripada *Diabetes*

$$= \frac{\text{Bilangan kematian penduduk yang berpunca daripada } \textit{Diabetes} \text{ yang berumur 30 hingga 69 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 30 hingga 69 tahun dalam tahun}_t} \times 100{,}000$$

xix. Kadar kematian berpunca daripada *Chronic respiratory diseases*

$$= \frac{\text{Bilangan kematian penduduk yang berpunca daripada } \textit{Chronic respiratory diseases} \text{ yang berumur 30 hingga 69 tahun dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun berumur 30 hingga 69 tahun dalam tahun}_t} \times 100{,}000$$

xx. Kadar kematian bunuh diri

$$= \frac{\text{Bilangan kematian bunuh diri dalam tahun}_t}{\text{Bilangan penduduk pertengahan tahun dalam tahun}_t} \times 100{,}000$$

11. NOTA DAN SIMBOL

- Tiada nilai/kosong/tiada kes
0.0 Kurang daripada setengah unit terkecil yang ditunjukkan
W.P. Wilayah Persekutuan

TECHNICAL NOTES

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1. INTRODUCTION

Statistics on deaths and principal causes of death in this publication are produced based on death records registered at the National Registration Department (NRD). Statistics on principal causes of death are presented according to the causes of death by category that are medically certified and non-medically certified.

The compilation of these statistics are based on the concepts and guidelines from Principles and Recommendations for a Vital Statistics System, Revision 3 published by the United Nations Statistics Division (2014) and the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10) published by the World Health Organization (2010).

2. DEATH INDICATORS

2.1 *Death indicators are calculated using the current mid-year population estimates, live births and stillbirths. The death statistics cover the number of deaths as well as death rates that are compiled according to chapters namely total deaths in Malaysia, perinatal deaths, neonatal deaths, infant deaths, toddler deaths, under-5 deaths, maternal deaths, deaths of the population aged 0–14 year, deaths of the population aged 15–40 year, deaths of the population aged 41–59 year, deaths of the population aged of 60 year and over and premature deaths (30-69 year).*

2.2 *The demographic indicators that involved population data for 2020 to 2022 have been revised based on Population and Housing Census of Malaysia 2020. Meanwhile, the indicators for 2011 to 2019 are based on Population and Housing Census of Malaysia 2010 and will be revised later. Data for 2020 to 2022 have been updated based on the report on suicide cases from the Royal Malaysia Police.*

3. COVERAGE AND LIMITATION

3.1 Coverage

3.1.1 *The record of deaths received from the NRD covers the whole of Malaysia.*

3.1.2 Perinatal deaths cover stillbirths and infant deaths aged less than one week. However, the causes of perinatal death only show causes of infant death aged less than one week (the cause of death for stillbirths are not available). Therefore, the statistics on causes of perinatal deaths are less than the number of perinatal deaths.

3.2 Limitation

3.2.1 The death information compiled in this publication is based on the death records provided by NRD.

3.2.2 The principal causes of death present the highest number of specific causes of death.

3.2.3 The compilation of the principal causes of death presented excludes unknown causes of death. Besides that, unspecific causes of death are also excluded (e.g.: other heart diseases, all other diseases) because it becomes meaningless when it is sorted by principal diseases that causes death. Users are advised to be cautious in making data interpretation.

4. PLACE OF RESIDENCE

Deaths and causes of death statistics presented by state are based on place of usual residence of the deceased.

5. ETHNIC GROUP

Classification of ethnic groups is based on the classification used in the Population and Housing Census 2020. The classification is as follows:

Citizens

Bumiputera
- *Malay*
- *Other Bumiputera*

Chinese

Indians

Others

Non-citizens

6. VERIFICATION ON CAUSES OF DEATH

6.1 *Information on the causes of death is divided into two categories which are medically certified and non-medically certified. Medically certified causes of death refer to verification made by the Medical Officer and Coroner only. The coroner is a public officer who investigated sudden death cases where the cause is suspected to be related to a criminal case. Non-medically certified causes of death refer to verification made by informants without medical qualifications such as the police or individuals.*

6.2 *Ministry of Health (MoH) has implemented the verification of non-medically certified causes of death in Malaysia to increase the percentage of medically certified causes of death. The system is known as 'Data Verification on Non-medically Certified Causes of Death System'.*

6.3 *Data Verification on Non-medically Certified Causes of Death System is intended to improve the reporting and writing for the causes of death that occurred outside the health facilities (hospitals) and are not intended to alter any of the existing Act, cannot be used for changing the existing causes of death registered at the National Registration Department (NRD) and is not unfitting to be used for court cases.*

7. CODING ON CAUSES OF DEATH

Medically certified causes of death are coded based on the International Statistical Classification of Diseases and Related Health Problem, 10th Revision (ICD-10). Not medically certified causes of death are coded based on Code Book for Uncertified Causes of Deaths Version 3 developed by the Department of Statistics, Malaysia as agreed by the Ministry of Health Malaysia, National Registration Department, Royal Malaysia Police and Kuala Lumpur City Hall.

8. SUSTAINABLE DEVELOPMENT GOALS (SDG)

In September 2015, Malaysia expressed its commitment and support for implementing the 2030 Agenda towards the Sustainable Development Goals (SDG) from 2016 to 2030.

The SDG contains 17 Goals, 169 Targets and 248 Indicators. The statistics on causes of death are part of the indicators listed in Goal 3: Ensure healthy lives and promote well-being for all at all ages. There are two related indicators which are indicator 3.4.1 and 3.4.2.

The concepts and definitions for SDG indicators are based on metadata published by United Nations (UN) and World Health Organization (WHO).

i. *Mortality rate attributed to Cardiovascular diseases, Cancer, Diabetes and Chronic respiratory diseases defined as the number of death per 100,000 population for population aged 30 to 69 years. The ICD-10 code for Cardiovascular diseases, Cancer, Diabetes and Chronic respiratory diseases are I00-I99, C00-C97, E10-E14 and J30-J98.*

ii. *Suicide mortality rate is the number of suicide deaths per 100,000 population. The ICD-10 code for suicide are X60-X84 (Intentional Self-harm).*

9. CONCEPTS

i. Stillbirths
Refer to births after 28 completed weeks or more of gestation without any sign of life during delivery.

ii. Perinatal deaths
Refer to stillbirths and death of infants aged less than one week.

iii. Early neonatal deaths
Refer to death of infants aged less than one week.

iv. Late neonatal deaths
Refer to death of infants aged 7 to less than 28 days.

v. Neonatal deaths
Refer to death of infants aged less than 28 days.

vi. Infant deaths

Refer to death of infants aged less than 1 year.

vii. Toddler deaths

Refer to death of toddlers aged 1 to 4 years.

viii. Under-5 deaths

Refer to the death of infants and toddlers aged below 5 years.

ix. Maternal deaths

Refers to deaths of a woman while pregnant or within 42 days after the termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental causes.

x. Deaths of population aged 0–14 years

Refer to deaths of the population aged 0 to 14 years.

xi. Deaths of population aged 15–40 years

Refer to deaths of the population aged 15 to 40 years.

xii. Deaths of population aged 41–59 years

Refer to deaths of the population aged 41 to 59 years.

xiii. Deaths of population aged 60 years and over

Refer to deaths of the population aged 60 years and over.

xiv. Premature deaths

Refer to deaths of the population aged 30 to 69 years.

10. FORMULA

i. Crude Death Rate (CDR)

$$= \frac{\text{Number of deaths in year}_t}{\text{Number of mid-year population in year}_t} \times 1{,}000$$

ii. Stillbirth Rate (SBR)

$$= \frac{\text{Number of stillbirths in year}_t}{\text{(Number of live births + number of stillbirths) in year}_t} \times 1{,}000$$

iii. Perinatal Mortality Rate (PMR)

$$= \frac{\text{(Number of deaths under 1 week + number of stillbirths) in year}_t}{\text{(Number of live births + number of stillbirths) in year}_t} \times 1{,}000$$

iv. Early Neonatal Mortality Rate (ENMR)

$$= \frac{\text{Number of deaths under 1 week in year}_t}{\text{Number of live births in year}_t} \times 1{,}000$$

v. Late Neonatal Mortality Rate (LNMR)

$$= \frac{\text{Number of deaths aged 7 to less than 28 days in year}_t}{\text{Number of live births in year}_t} \times 1{,}000$$

vi. Neonatal Mortality Rate (NMR)

$$= \frac{\text{Number of deaths aged under 28 days in year}_t}{\text{Number of live births in year}_t} \times 1{,}000$$

vii. Infant Mortality Rate (IMR)

$$= \frac{\text{Number of deaths under 1 year in year}_t}{\text{Number of live births in year}_t} \times 1{,}000$$

viii. Toddler Mortality Rate (TMR)

$$= \frac{\text{Number of deaths aged 1–4 years in year}_t}{\text{Number of mid-year population aged 1–4 years in year}_t} \times 1{,}000$$

ix. Under-5 Mortality Rate (U5MR)

$$= \frac{\text{Number of deaths under 5 years in year}_t}{\text{Number of live births in year}_t} \times 1{,}000$$

x. Maternal Mortality Ratio (MMR)

$$= \frac{\text{Number of deaths which are caused by complications of pregnancy, childbirth and the puerperium, within the period of 42 days after childbirth in year}_t}{\text{Number of live births in year}_t} \times 100{,}000$$

xi. Mortality rate of population aged 0–14 years

$$= \frac{\text{Number of deaths of population aged 0–14 years in year}_t}{\text{Number of mid-year population aged 0–14 years in year}_t} \times 1{,}000$$

xii. Mortality rate of population aged 15–40 years

$$= \frac{\text{Number of deaths of population aged 15–40 years in year}_t}{\text{Number of mid-year population aged 15–40 years in year}_t} \times 1{,}000$$

xiii. Mortality rate of population aged 41–59 years

$$= \frac{\text{Number of deaths of population aged 41–59 years in year}_t}{\text{Number of mid-year population aged 41–59 years in year}_t} \times 1{,}000$$

xiv. Mortality rate of population aged 60 years and over

$$= \frac{\text{Number of deaths of population aged 60 years and over in year}_t}{\text{Number of mid-year population aged 60 years and over in year}_t} \times 1{,}000$$

xv. Premature mortality rate

$$= \frac{\text{Number of deaths of population aged 30 to 69 years in year}_t}{\text{Number of mid-year population aged 30 to 69 years in year}_t} \times 1{,}000$$

xvi. Mortality rate attributed to Cardiovascular diseases

$$= \frac{\text{Number of deaths of population aged 30 to 69 years attributed to Cardiovascular diseases in year}_t}{\text{Number of mid-year population aged 30 to 69 years in year}_t} \times 100{,}000$$

xvii. *Mortality rate attributed to Cancer*

$$= \frac{\text{Number of deaths of population aged 30 to 69 years attributed to Cancer in year}_t}{\text{Number of mid-year population aged 30 to 69 years in year}_t} \times 100{,}000$$

xviii. *Mortality rate attributed to Diabetes*

$$= \frac{\text{Number of deaths of population aged 30 to 69 years attributed to Diabetes in year}_t}{\text{Number of mid-year population aged 30 to 69 years in year}_t} \times 100{,}000$$

xix. *Mortality rate attributed to Chronic respiratory diseases*

$$= \frac{\text{Number of deaths of population aged 30 to 69 years attributed to Chronic respiratory diseases in year}_t}{\text{Number of mid-year population aged 30 to 69 years in year}_t} \times 100{,}000$$

xx. *Suicide mortality rate*

$$= \frac{\text{Number of Suicide in year}_t}{\text{Number of mid-year population in year}_t} \times 100{,}000$$

11. NOTES AND SYMBOLS

- *Nil/blank/no cases*

0.0 *Less than half smallest unit shown*

W.P. *Federal Territory*

LAMPIRAN
APPENDICES

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Lampiran A : Senarai tabulasi khusus bagi sebab kematian yang disahkan secara perubatan

Appendix A : Special tabulation list for medically certified causes of death

Mortality Tabulation List 1
General mortality

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
1	***Certain infectious and parasitic diseases***	**A00-B99**
2	*Cholera*	A00
3	*Diarrhoea and gastroenteritis of presumed infectious origin*	A09
4	*Other intestinal infectious diseases*	A01-A08
5	*Respiratory tuberculosis*	A15-A16
6	*Other tuberculosis*	A17-A19
7	*Plague*	A20
8	*Tetanus*	A33-A35
9	*Diphtheria*	A36
10	*Whooping cough*	A37
11	*Meningococcal infection*	A39
12	*Septicaemia*	A40-A41
13	*Infections with a predominantly sexual mode of transmission*	A50-A64
14	*Acute poliomyelitis*	A80
15	*Rabies*	A82
16	*Yellow fever*	A95
17	*Other arthropod-borne viral fevers and viral haemorrhagic fevers*	A90-A94, A96-A99
18	*Measles*	B05
19	*Viral hepatitis*	B15-B19
20	*Human immunodeficiency virus (HIV) disease*	B20-B24

Bil.	Sebab kematian *Causes of death*	Kod ICD-10 *ICD-10 code*
21	*Malaria*	B50-B54
22	*Leishmaniasis*	B55
23	*Trypanosomiasis*	B56-B57
24	*Schistosomiasis*	B65
25	*Remainder of certain infectious and parasitic diseases*	A21-A32, A38, A42-A49, A65-A79, A81, A83-A89, B00–B04, B06-B09, B25-B49, B58-B64, B66-B94, B99
26	***Neoplams***	**C00-D48**
27	*Malignant neoplasm of lip, oral cavity and pharynx*	C00-C14
28	*Malignant neoplasm of oesophagus*	C15
29	*Malignant neoplasm of stomach*	C16
30	*Malignant neoplasm of colon, rectum and anus*	C18-C21
31	*Malignant neoplasm of liver and intraphetic bile duct*	C22
32	*Malignant neoplasm of pancreas*	C25
33	*Malignant neoplasm of larynx*	C32
34	*Malignant neoplasm of trachea, bronchus and lung*	C33-C34
35	*Malignant neoplasm of skin*	C43
36	*Malignant neoplasm of breast*	C50
37	*Malignant neoplasm of cervix uteri*	C53
38	*Malignant neoplasm of other and unspecified parts of uterus*	C54-C55
39	*Malignant neoplasm of ovary*	C56

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
40	*Malignant neoplasm of prostate*	C61
41	*Malignant neoplasm of bladder*	C67
42	*Malignant neoplasm of meninges, brain and other parts of central nervous system*	C70-C72
43	*Non-Hodgkin's lymphoma*	C83-C85
44	*Multiple myeloma and malignant plasma cell neoplasms*	C90
45	*Leukaemia*	C91-C95
46	*Remainder of malignant neoplasms*	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C66, C68-C69, C73-C81, C88, C96-C97
47	*Remainder of neoplasms*	D00-D48
48	***Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism***	**D50-D89**
49	*Anaemias*	D50-D64
50	*Remainder of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*	D65-D89
51	***Endocrine, nutritional and metabolic diseases***	**E00-E88**
52	*Diabetes mellitus*	E10-E14

Bil.	Sebab kematian *Causes of death*	Kod ICD-10 *ICD-10 code*
53	*Malnutrition*	E40-E46
54	*Remainder of endocrine, nutritional and metabolic diseases*	E00-E07, E15-E34, E50-E88
55	***Mental and behavioural disorders***	**F01-F99**
56	*Mental and behavioural disorders due to psychoactive substance use*	F10-F19
57	*Remainder of mental and behavioural disorders*	F01-F09, F20-F99
58	***Diseases of the nervous system***	**G00-G98**
59	*Meningitis*	G00, G03
60	*Alzheimer's disease*	G30
61	*Remainder of diseases of the nervous system*	G04-G25, G31-G98
62	***Diseases of the eye and adnexa***	**H00-H57**
63	***Diseases of the ear and mastoid process***	**H60-H93**
64	***Diseases of the circulatory system***	**I00-I99**
65	*Acute rheumatic fever and chronic rheumatic heart diseases*	I00-I09
66	*Hypertensive diseases*	I10-I13
67	*Ischaemic heart diseases*	I20-I25
68	*Other heart diseases*	I26-I51
69	*Cerebrovascular diseases*	I60-I69
70	*Atherosclerosis*	I70
71	*Remainder of diseases of the circulatory system*	I71-I99
72	***Diseases of the respiratory system***	**J00-J98**
73	*Influenza*	J10-J11
74	*Pneumonia*	J12-J18
75	*Other acute lower respiratory infections*	J20-J22

Bil.	Sebab kematian *Causes of death*	Kod ICD-10 *ICD-10 code*
76	*Chronic lower respiratory diseases*	J40-J47
77	*Remainder of diseases of the respiratory system*	J00-J06, J30-J39, J60-J98
78	***Diseases of the digestive system***	**K00-K92**
79	*Gastric and duodenal ulcer*	K25-K27
80	*Diseases of the liver*	K70-K76
81	*Remainder of diseases of the digestive system*	K00-K22, K28-K66, K80-K92
82	***Diseases of the skin and subcutaneous tissue***	**L00-L98**
83	***Diseases of the musculoskeletal system and connective tissue***	**M00-M99**
84	***Diseases of the genitourinary system***	**N00-N98**
85	*Glomerular and renal tubulo-interstitial diseases*	N00-N15
86	*Remainder of diseases of the genitourinary system*	N17-N98
87	***Pregnancy, childbirth and puerperium***	**O00-O99**
88	*Pregnancy with abortive outcome*	O00-O07
89	*Other direct obstetric deaths*	O10-O92
90	*Indirect obstetric deaths*	O98-O99
91	*Remainder of pregnancy, childbirth and the puerperium*	O95-O97
92	***Certain conditions originating in the perinatal period***	**P00-P96**
93	***Congenital malformations, deformations and chromosomal abnormalities***	**Q00-Q99**
94	***Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified***	**R00-R99**
95	***External causes of morbidity and mortality***	**V01-Y89**
96	*Transport accidents*	V01-V99
97	*Falls*	W00-W19
98	*Accidental drowning and submersion*	W65-W74

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
99	*Exposure to smoke, fire and flames*	X00-X09
100	*Accidental poisoning by and exposure to noxious substances*	X40-X49
101	*Intentional self-harm*	X60-X84
102	*Assault*	X85-Y09
103	*All other external causes*	W20-W64, W75-W99, X10-X39, X50-X59, Y10-Y89

Lampiran B : Senarai tabulasi khusus bagi sebab kematian yang disahkan secara perubatan

Appendix B : Special tabulation list for medically certified causes of death

Mortality Tabulation List 2
General mortality

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
1	*Cholera*	A00
2	*Diarrhoea and gastroenteritis of presumed infectious origin*	A09
3	*Other intestinal infectious diseases*	A01-A08
4	*Respiratory tuberculosis*	A15-A16
5	*Other tuberculosis*	A17-A19
6	*Plague*	A20
7	*Tetanus*	A33-A35
8	*Diphtheria*	A36
9	*Whooping cough*	A37
10	*Meningococcal infection*	A39
11	*Septicaemia*	A40-A41
12	*Infections with a predominantly sexual mode of transmission*	A50-A64
13	*Acute poliomyelitis*	A80
14	*Rabies*	A82
15	*Yellow fever*	A95
16	*Other arthropod-borne viral fevers and viral haemorrhagic fevers*	A90-A94, A96-A99
17	*Measles*	B05
18	*Viral hepatitis*	B15-B19
19	*Human immunodeficiency virus (HIV) disease*	B20-B24
20	*Malaria*	B50-B54

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
21	*Leishmaniasis*	B55
22	*Trypanosomiasis*	B56-B57
23	*Schistosomiasis*	B65
24	*Remainder of certain infectious and parasitic diseases*	A21-A32, A38, A42-A49, A65-A79, A81, A83-A89, B00–B04, B06-B09, B25-B49, B58-B64, B66-B94, B99
25	*Malignant neoplasm of lip, oral cavity and pharynx*	C00-C14
26	*Malignant neoplasm of oesophagus*	C15
27	*Malignant neoplasm of stomach*	C16
25	*Malignant neoplasm of colon, rectum and anus*	C18-C21
29	*Malignant neoplasm of liver and intraphetic bile duct*	C22
30	*Malignant neoplasm of pancreas*	C25
31	*Malignant neoplasm of larynx*	C32
32	*Malignant neoplasm of trachea, bronchus and lung*	C33-C34
33	*Malignant neoplasm of skin*	C43
34	*Malignant neoplasm of breast*	C50
35	*Malignant neoplasm of cervix uteri*	C53
36	*Malignant neoplasm of other and unspecified parts of uterus*	C54-C55
37	*Malignant neoplasm of ovary*	C56
38	*Malignant neoplasm of prostate*	C61
39	*Malignant neoplasm of bladder*	C67

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
40	*Malignant neoplasm of meninges, brain and other parts of central nervous system*	C70-C72
41	*Non-Hodgkin's lymphoma*	C83-C85
42	*Multiple myeloma and malignant plasma cell neoplasms*	C90
43	*Leukaemia*	C91-C95
44	*Remainder of malignant neoplasms*	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C66, C68-C69, C73-C81, C88, C96-C97
45	*Anaemias*	D50-D64
46	*Diabetes mellitus*	E10-E14
47	*Malnutrition*	E40-E46
48	*Mental and behavioural disorders due to psychoactive substance use*	F10-F19
49	*Meningitis*	G00, G03
50	*Alzheimer's disease*	G30
51	*Acute rheumatic fever and chronic rheumatic heart diseases*	I00-I09
52	*Hypertensive diseases*	I10-I13
53	*Ischaemic heart diseases*	I20-I25
54	*Other heart diseases*	I26-I51
55	*Cerebrovascular diseases*	I60-I69

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
56	*Atherosclerosis*	I70
57	*Remainder of diseases of the circulatory system*	I71-I99
58	*Influenza*	J10-J11
59	*Pneumonia*	J12-J18
60	*Other acute lower respiratory infections*	J20-J22
61	*Chronic lower respiratory diseases*	J40-J47
62	*Remainder of diseases of the respiratory system*	J00-J06, J30-J39, J60-J98
63	*Gastric and duodenal ulcer*	K25-K27
64	*Diseases of the liver*	K70-K76
65	*Glomerular and renal tubulo-interstitial diseases*	N00-N15
66	*Pregnancy with abortive outcome*	O00-O07
67	*Other direct obstetric deaths*	O10-O92
68	*Indirect obstetric deaths*	O98-O99
69	*Certain conditions originating in the perinatal period*	P00-P96
70	*Congenital malformations, deformations and chromosomal abnormalities*	Q00-Q99
71	*Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	R00-R99
72	*All other diseases*	D00-D48, D65-D89, E00-E07, E15-E34, E50-E88, F01-F09, F20-F99, G04-G25, G31-G98, H00-H93, K00-K22, K28-K66, K80-K92, L00-L98, M00-M99,

Bil.	Sebab kematian *Causes of death*	Kod ICD-10 *ICD-10 code*
		N17-N98, O95-O97
73	*Transport accidents*	V01-V99
74	*Falls*	W00-W19
75	*Accidental drowning and submersion*	W65-W74
76	*Exposure to smoke, fire and flames*	X00-X09
77	*Accidental poisoning by and exposure to noxious substances*	X40-X49
78	*Intentional self-harm*	X60-X84
79	*Assault*	X85-Y09
80	*All other external causes*	W20-W64, W75-W99, X10-X39, X50-X59, Y10-Y89
81	*SARS*	U04

Lampiran C : Senarai tabulasi khusus bagi sebab kematian yang disahkan secara perubatan

Appendix C : Special tabulation list for medically certified causes of death

Mortality Tabulation List 3
Infant and child mortality

Bil.	Sebab kematian *Causes of death*	Kod ICD-10 *ICD-10 code*
1	***Certain infectious and parasitis diseases***	**A00-B99**
2	*Diarrhoea and gastroenteritis of presumed infectious origin*	A09
3	*Other intestinal infectious diseases*	A00-A08
4	*Tuberculosis*	A15-A19
5	*Tetanus*	A33-A35
6	*Diphtheria*	A36
7	*Whooping cough*	A37
8	*Meningococcal infection*	A39
9	*Sepsis*	A40-A41
10	*Acute poliomyelitis*	A80
11	*Measles*	B05
12	*Human immunodeficiency virus (HIV) disease*	B20-B24
13	*Other viral diseases*	A81-B04, B06-B19, B25-B34,
14	*Malaria*	B50-B54
15	*Remainder of certain infectious and parasitic diseases*	A20-A32, A38, A42-A79, B35-B49, B58-B94, B99
16	***Neoplasms***	**C00-D48**
17	*Leukaemia*	C91-C95

Bil.	Sebab kematian *Causes of death*	Kod ICD-10 *ICD-10 code*
18	*Remainder of malignant neoplasms*	C00-C90, C96-C97
19	***Remainder of neoplasms***	**D00-D48**
20	***Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism***	**D50-D89**
21	*Anaemias*	D50-D64
22	*Remainder of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*	D65-D89
23	***Endocrine, nutritional and metabolic diseases***	**E00-E88**
24	*Malnutrition and other nutritional deficiencies*	E40-E64
25	*Remainder of endocrine, nutritional and metabolic diseases*	E00-E34, E65-E88
26	***Diseases of the nervous system***	**G00-G98**
27	*Meningitis*	G00, G03
28	*Remainder of diseases of the nervous system*	G04-G98
29	***Diseases of the ear and mastoid process***	**H60-H93**
30	***Diseases of the circulatory system***	**I00-I99**
31	***Diseases of the respiratory system***	**J00-J98**
32	*Pneumonia*	J12-J18
33	*Other acute respiratory infections*	J00-J11, J20-J22
34	*Remainder of diseases of the respiratory system*	J30-J98
35	***Diseases of the digestive system***	**K00-K92**
36	***Diseases of the genitourinary system***	**N00-N98**
37	***Certain conditions originating in the perinatal period***	**P00-P96**

Bil.	Sebab kematian *Causes of death*	Kod ICD-10 *ICD-10 code*
38	*Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery*	P00-P04
39	*Disorder relating to length of gestation and fetal growth*	P05-P08
40	*Birth trauma*	P10-P15
41	*Intrauterine hypoxia and birth asphyxia*	P20-P21
42	*Respiratory distress of newborn*	P22
43	*Congenital pneumonia*	P23
44	*Other respiratory conditions of newborn*	P24-P28
45	*Bacterial sepsis of newborn*	P36
46	*Omphalitis of newborn with or without mild haemorrhage*	P38
47	*Haemorrhagic and haematological disorders of fetus and newborn*	P50-P61
48	*Remainder of perinatal conditions*	P29, P35, P37, P39, P70-P96
49	***Congenital malformations, deformations and chromosomal abnormalities***	**Q00-Q99**
50	*Congenital hydrocephalus and spina bifida*	Q03-Q05
51	*Other congenital malformations of the nervous system*	Q00-Q02, Q04, Q06-Q07
52	*Congenital malformations of heart*	Q20-Q24
53	*Other congenital malformations of the circulatory system*	Q25-Q28
54	*Down's syndrome and other chromosomal abnormalities*	Q90-Q99
55	*Other congenital malformations*	Q10-Q18, Q30-Q89
56	***Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified***	**R00-R99**
57	*Sudden infant death syndrome*	R95

Bil.	**Sebab kematian** *Causes of death*	**Kod ICD-10** *ICD-10 code*
58	*Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*	R00-R94, R96-R99
59	***All other diseases***	**F01-F99, H00-H59, L00-L98, M00-M99**
60	***External causes of morbidity and mortality***	**V01-Y89**
61	*Transport accidents*	V01-V99
62	*Accidental drowning and submersion*	W65-W74
63	*Other accidental threats to breathing*	W75-W84
64	*Exposure to smoke, fire and flames*	X00-X09
65	*Accidental poisoning by and exposure to noxious substances*	X40-X49
66	*Assault*	X85-Y09
67	*All other external causes*	W20-W64, W85-W99, X10-X39, X50-X84, Y10-Y89

Lampiran D : Kod kumpulan utama bagi sebab kematian yang tidak disahkan secara perubatan

Appendic D : Main group code for non-medically certified causes of death

Bil.	**Sebab kematian** *Causes of death*	**Kod kumpulan utama** *Main group code*
1	**Penyakit berjangkit yang dinotifikasi dan jangkitan lain** *Infectious disease*	01
2	**Barah** *Cancer*	02
3	**Penyakit berkaitan darah dan organ pembentukan darah** *Diseases of the blood and blood-forming organs*	03
4	**Penyakit berkaitan endokrin, nutrisi dan metabolic** *Endocrine, nutritional and metabolic diseases*	04
5	**Gangguan mental dan tingkah laku** *Mental and behavioural disorders*	05
6	**Penyakit berkaitan sistem saraf** *Diseases of the nervous system*	06
7	**Penyakit berkaitan sistem peredaran darah** *Diseases of the circulatory system*	09
8	**Penyakit berkaitan sistem pernafasan** *Diseases of the respiratory system*	10
9	**Penyakit berkaitan sistem pencernaan** *Diseases of the digestive system*	11
10	**Penyakit berkaitan kulit dan tisu subkutaneus** *Diseases of the skin and subcutaneous tissue*	12
11	**Penyakit berkaitan sistem rangka otot dan tisu penghubung** *Diseases of the musculoskeletal system and connective tissue*	13
12	**Penyakit berkaitan sistem genitourinary** *Diseases of the genitourinary system*	14
13	**Kematian berkaitan kehamilan, semasa dan selepas bersalin**	15

Bil.	**Sebab kematian** *Causes of death*	**Kod kumpulan utama** *Main group code*
	Maternal death related to pregnancy, childbirth and the puerperium	
14	**Keadaan tertentu berpunca dalam tempoh perinatal** *Certain conditions originating in the perinatal period*	16
15	**Kecacatan, perubahan bentuk dan ketidaknormalan kromosom sejak lahir** *Congenital malformations, deformations and chromosomal abnormalities*	17
16	**Gejala-gejala, tanda-tanda dan penemuan yang tidak normal** *Symptoms, signs and abnormal findings*	18
17	**Sebab-sebab kematian yang berpunca dari faktor luar** *External causes of morbidity and mortality*	20

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PERTANYAAN BERHUBUNG DENGAN PENERBITAN INI BOLEH JUGA DIBUAT DI PEJABAT PERANGKAAN NEGERI SEPERTI BERIKUT:

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