



**REPORT  
ON REGISTRATION  
OF BIRTHS AND DEATHS  
2016**

**REGISTRY OF BIRTHS AND DEATHS  
IMMIGRATION AND CHECKPOINTS AUTHORITY  
SINGAPORE**

## **P R E F A C E**

Under the Registration of Births and Deaths Act (Chapter 267), the Registry of Births and Deaths has been charged with the responsibility of registering all live-births, still-births and deaths in Singapore.

The Report on Registration of Births and Deaths, 2016 is the 29<sup>th</sup> publication in the annual series by the Registry. The Report aims to provide an overview of the annual changes in the population, births, deaths and other vital statistics. The statistical tables and charts on vital statistics will be of interest to academics, demographers and medical professionals. Specimen certificates of and procedures for the registration of births, still-births and deaths have been included in the annexure.

The Registry of Births and Deaths gratefully acknowledges the assistance and contribution of the Ministry of Health, the Department of Statistics, the Singapore Police Force and all other agencies in the publication of this Report.

**REGISTRAR-GENERAL OF BIRTHS AND DEATHS  
SINGAPORE**

**June 2017**

# CONTENTS

	Page
<b>SUMMARY</b>	<b>1</b>
<b>KEY INDICATORS, 2007, 2014 - 2016</b>	<b>2</b>
<b>GENERAL</b>	<b>3</b>
Late Registrations	3
Re-registration of Adopted Children	3
<b>LIVE BIRTHS</b>	<b>4</b>
Teenage Births	5
Single Parent Registration Births (SP Births)	6
Birth Order	7
First Time Mother	8
Type of Births and Period of Gestation	9
Birth Weight	10
<b>DEATHS</b>	<b>11</b>
Nationality	11
Major Causes of Death	12
Average Age at Death and Gender	13
Ethnic Group	16
Infant Mortality	18
Neonatal Mortality	18
Perinatal Mortality	18
Maternal Mortality	18

## **C O N T E N T S - (continued)**

	Page
<b>STILL BIRTHS</b>	<b>19</b>
<b>LIST OF ANNEXURE</b>	
Annex A Procedures for the Registration of Births, Deaths and Still Births	20
Annex B Certificate of Registration of Birth	23
Annex C Certificate of Registration of Death	24
Annex D Certificate of Registration of Still Birth	25
<b>EXPLANATORY NOTES</b>	<b>26</b>
<b>LIST OF TABLES</b>	
<b>POPULATION, NATURAL INCREASE, BIRTHS AND DEATHS</b>	
1. Population and Vital Statistics, 1997 - 2016	28
2. Population Growth and Vital Rates, 1997 - 2016	28
3. Population by Ethnic Group, 1997 - 2016	29
4. Male Population by Ethnic Group, 1997 - 2016	29
5. Female Population by Ethnic Group, 1997 - 2016	30
6. Sex Ratio of Population by Ethnic Group, 1997 - 2016	30
7. Natural Increase by Ethnic Group, 1997 - 2016	31
8. Crude Rates of Natural Increase by Ethnic Group, 1997 - 2016	31
9. Live Births by Ethnic Group, 1997 - 2016	32
10. Crude Birth Rates by Ethnic Group, 1997 - 2016	32
11. Deaths by Ethnic Group, 1997 - 2016	33
12. Crude Death Rates by Ethnic Group, 1997 - 2016	33
13. Infant Deaths by Ethnic Group, 1997 - 2016	34
14. Infant Mortality Rates by Ethnic Group, 1997 - 2016	34

## CONTENTS - (continued)

	Page
LIVE BIRTHS	
15. Live Births by Ethnic Group of Father and Sex of Child, January - December, 2016	35
16. Live Births by Ethnic Group of Father and Mother, 2016	35
17. Live Births by Place of Occurrence and Ethnic Group of Mother, 2016	36
18. Live Births by Attendant at Birth and Ethnic Group of Mother, 2016	36
19. Live Births by Age, Ethnic Group of Mother and Sex of Child, 2016	37
20. Live Births by Age Group, Ethnic Group of Mother and Birth Order, 2016	38
21. Live Births by Occupation of Mother and Birth Order, 2016	39
22. Live Births by Nationality of Father and Mother, 2016	40
23. Live Births by Educational Qualification, Ethnic Group of Mother and Birth Order, 2016	41
24. Live Births by Age Group, Ethnic Group and Educational Qualification of Mother, 2016	42
25. Mothers by Age Group and Type of Birth, 2016	43
26. Live Births by Birth Weight, Age Group of Mother and Sex of Child, 2016	44
27. Live Births (Single Births) by Period of Gestation, Birth Weight and Sex of Child, 2016	45
28. Live Births (Twins) by Period of Gestation, Birth Weight and Sex of Child, 2016	46
STILL BIRTHS	
29. Still Births by Ethnic Group of Mother and Sex of Child, January - December, 2016	47
30. Still Births by Attendant at Birth, Ethnic Group of Mother and Sex of Child, 2016	47

## **C O N T E N T S - (continued)**

	Page
31. Still Births by Place of Occurrence and Ethnic Group of Mother, 2016	48
32. Still Births by Birth Weight, Age Group of Mother and Sex of Child, 2016	48
33. Still Births by Period of Gestation, Birth Weight and Sex of Child, 2016	49
DEATHS	
34. Deaths by Ethnic Group and Sex, January - December, 2016	50
35. Deaths by Place of Occurrence and Ethnic Group, 2016	50
36. Infant Deaths by Ethnic Group and Sex, January - December, 2016	51
37. Infant Deaths by Place of Occurrence and Ethnic Group, 2016	51
38. Infant Deaths by Age, Ethnic Group and Sex, 2016	52
39. Deaths by Age Group, Ethnic Group and Sex, 2016	53
40. Deaths by Age Group, Marital Status and Sex, 2016	54
41. Deaths by Age Group, Occupation and Sex, 2016	55
42. Deaths by Cause and Type of Certification, 2016	56
43. Deaths and Death Rates by Cause, 2014 - 2016	58
44. Male Deaths by Cause and Age Group, 2016	60
45. Female Deaths by Cause and Age Group, 2016	64
46. Deaths by Cause, Ethnic Group and Sex, 2016	68

# Singapore

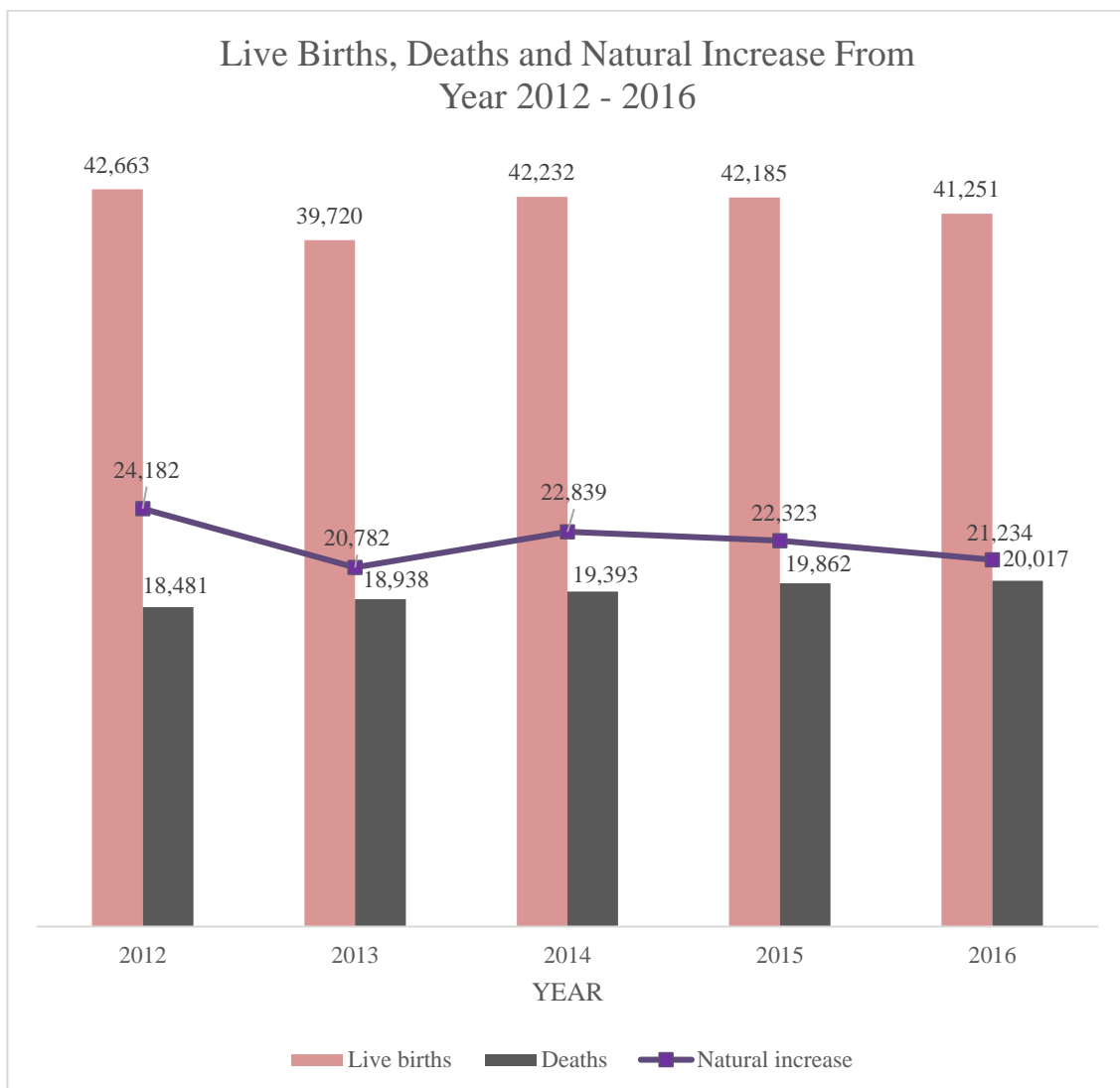
## Registration of Births and Deaths 2016

### Summary

Live Births 41,251 (-2.2%)

Deaths 20,017 (0.8%)

In 2016, there were 41,251 occurred live births. Deaths and still births registered were 20,017 and 89 respectively. When compared to year 2015 there was a dip of 2.2% in live births counts and there was an increase of 0.8% in the numbers of deaths registered.



Note: Percentage figures used in the report may not add up to 100 percent due to rounding.

### Key Indicators

**Table I : Key Indicators**

	2007		2014		2015		2016	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
<b>Natural Increase</b>	<b>22,350</b>	<b>5.9</b>	<b>22,839</b>	<b>5.1</b>	<b>22,323</b>	<b>4.9</b>	<b>21,234</b>	<b>4.6</b>
Chinese	12,510	4.7	11,292	3.9	10,456	3.6	9,727	3.3
Malays	3,731	7.9	3,713	7.4	4,092	8.1	4,305	8.4
Indians	2,678	8.4	3,168	7.3	3,350	7.3	2,842	6.0
Others	3,431	20.9	4,666	17.5	4,425	15.9	4,360	14.9
<b>Live Births</b>	<b>39,490</b>	<b>10.3</b>	<b>42,232</b>	<b>9.8</b>	<b>42,185</b>	<b>9.7</b>	<b>41,251</b>	<b>9.4</b>
Chinese	25,390	9.3	25,958	8.8	25,412	8.6	24,749	8.2
Malays	6,252	12.6	6,468	12.4	6,961	13.3	7,143	13.5
Indians	3,994	11.9	4,678	10.8	4,895	10.9	4,499	9.9
Others	3,854	22.9	5,128	19.3	4,917	17.9	4,860	16.9
<b>Deaths</b>	<b>17,140</b>	<b>4.5</b>	<b>19,393</b>	<b>4.7</b>	<b>19,862</b>	<b>4.8</b>	<b>20,017</b>	<b>4.8</b>
Chinese	12,880	4.6	14,666	4.9	14,956	5.0	15,022	5.0
Malays	2,521	4.7	2,755	5.0	2,869	5.1	2,838	5.1
Indians	1,316	3.5	1,510	3.5	1,545	3.6	1,657	3.8
Others	423	2.0	462	1.9	492	2.0	500	2.0
<b>Infant Mortality</b>	<b>94</b>	<b>2.1</b>	<b>83</b>	<b>1.8</b>	<b>84</b>	<b>1.7</b>	<b>101</b>	<b>2.4</b>
<b>Neonatal Mortality</b>	<b>52</b>	<b>1.2</b>	<b>50</b>	<b>1.1</b>	<b>41</b>	<b>0.8</b>	<b>57</b>	<b>1.4</b>
<b>Perinatal Mortality</b>	<b>121</b>	<b>3.1</b>	<b>123</b>	<b>2.9</b>	<b>118</b>	<b>2.8</b>	<b>124</b>	<b>3.0</b>
<b>Still Births</b>	<b>90</b>	<b>2.3</b>	<b>86</b>	<b>2.0</b>	<b>90</b>	<b>2.1</b>	<b>89</b>	<b>2.2</b>

\* Refer to Explanatory Notes on page 26



### General

The Immigration & Checkpoints Authority (ICA) administers the Registration of Births and Deaths Act (Chapter 267). Under this Act, all live births, deaths and still births occurring within Singapore and its territorial waters are required to be registered within the stipulated period. The Registry also re-registers births under the Adoption of Children Act (Chapter 4).

2 In 2016, 41,251 live births, 20,017 deaths and 89 still births were registered. In this report, date of occurrence is adopted for the compilation of births statistics while date of registration is adopted for deaths statistics.

### Late Registrations

3 Live births registered after 42 days from occurrence are classified as late registrations. In 2016 there were 215 late registrations of live births. Of these, 15 cases were registered after a lapse of 12 months from the date of birth.

4 Deaths registered after three days from occurrence are treated as late registrations. In 2016, there were 200 late registrations of deaths. Of these, 136 cases were registered after seven days from the date of death.

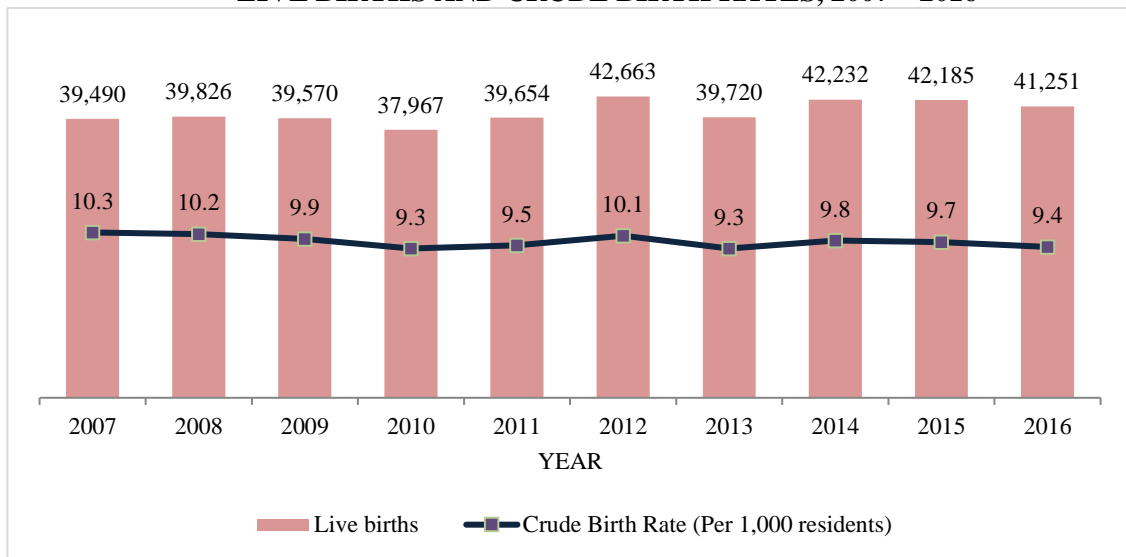
### Re-Registration of Adopted Children

5 Under the Adoption of Children Act, the birth of a child shall be registered under the Registration of Births and Deaths Act upon an Adoption Order issued by the Court. If the child's birth had previously been registered under the Registration of Births and Deaths Act, the name of the child, as well as the names and other particulars of the adoptive parents, as recorded in the Adoption Order, are entered in the birth register in place of the natural or last adoptive parents of the child. In 2016, 340 children were adopted and registered under the Act.

### Live Births

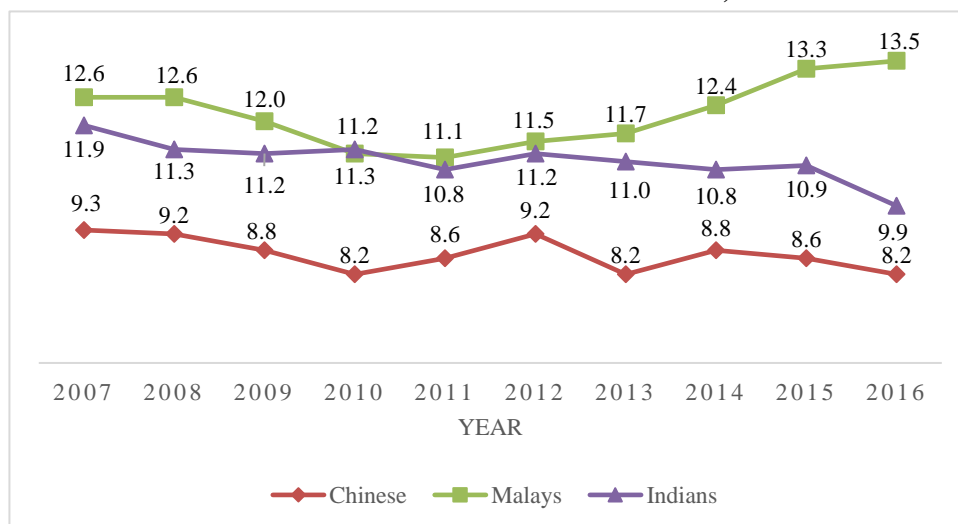
6 The number of live births was 41,251 in 2016, showing a decrease of 2.2% compared with 42,185 in 2015. The crude birth rate declined from 9.7 to 9.4 per 1,000 Singapore residents this year (Chart 1).

**Chart 1**  
**LIVE BIRTHS AND CRUDE BIRTH RATES, 2007 – 2016**



7 Among the newborns, 24,749 (60.0%) were Chinese, 7,143 (17.3%) Malays, 4,499 (10.9%) Indians and 4,860 (11.8%) of newborns were of other races. In 2016, Malays registered the highest birth rate of 13.5 per 1,000 residents followed by Indians at 9.9 per 1,000 residents. Chinese registered the lowest rate of 8.2 per 1,000 residents.

**Chart 2**  
**CRUDE BIRTH RATE BY ETHNIC GROUP, 2007 – 2016**

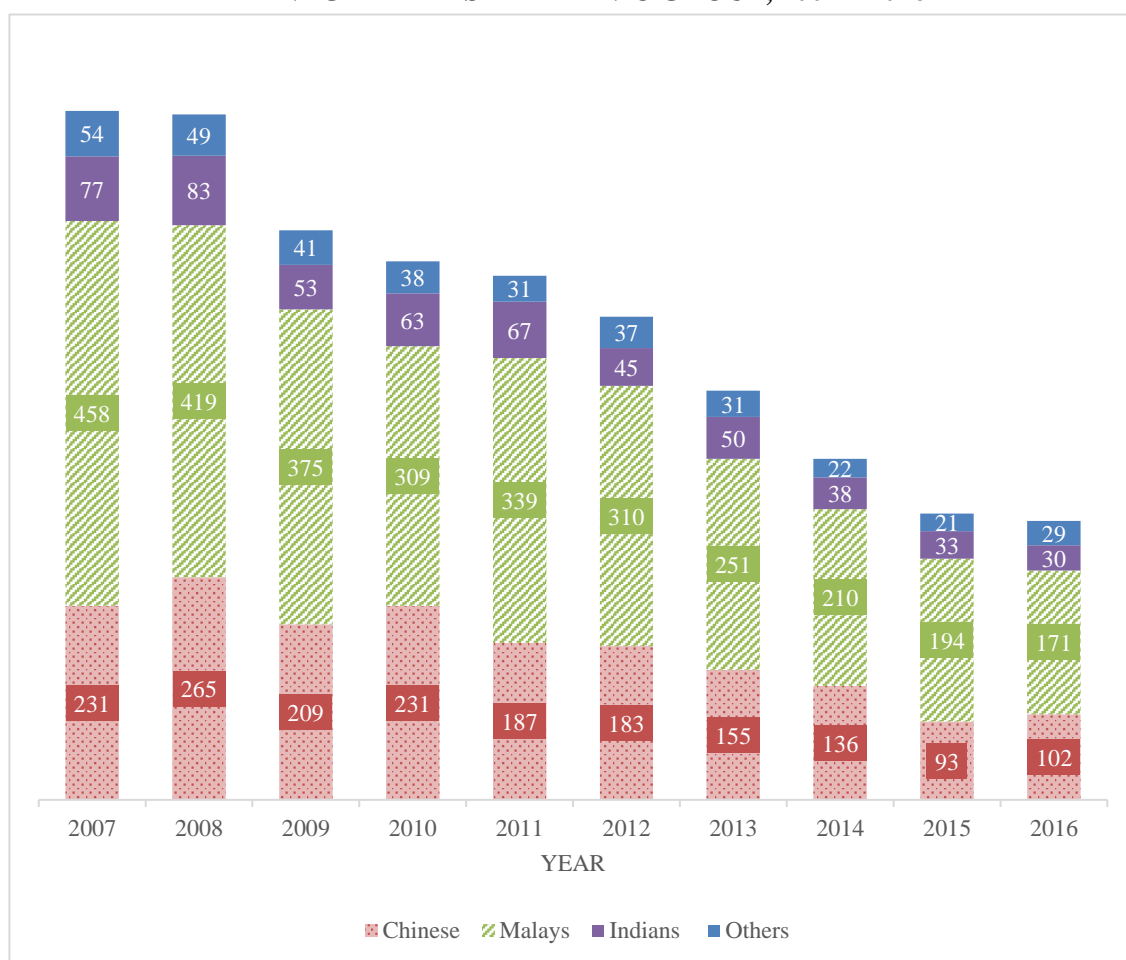


### Live Births

#### Teenage Births

8 There were 332 live births born to teenagers aged 19 and below in 2016, a reduction of 2.6% as compared with 341 in 2015. 51.5% of the teenage births were born to Malays. Chinese (30.7%), Indians (9.0%) and other ethnic groups (8.7%) accounted for the remaining teenage births.

**Chart 3**  
**TEENAGE BIRTHS BY ETHNIC GROUP, 2007 – 2016**



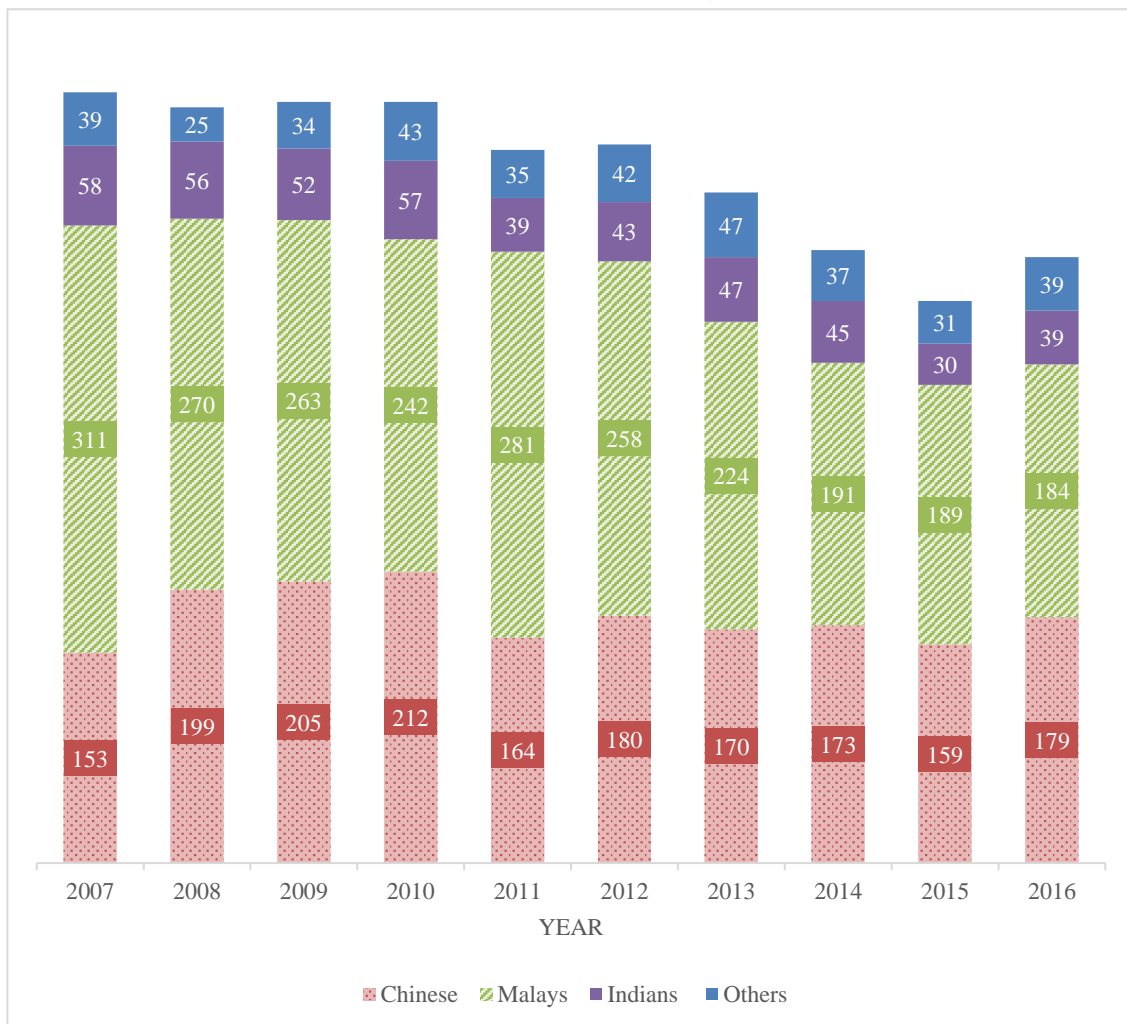
### Live Births

#### Single Parent Registration Births (SP Births)

9 In 2016, 441 live births were registered without the father's name. Out of these 441 SP births, 86 (19.5%) births were born to teenagers age 19 and below.

10 As similarly observed in teenage births, Malays made up the largest proportion of SP births. However, the number of Malays SP births has been on a declining trend since 2011.

**Chart 4**  
**SP BIRTHS BY ETHNIC GROUP, 2007 – 2016**

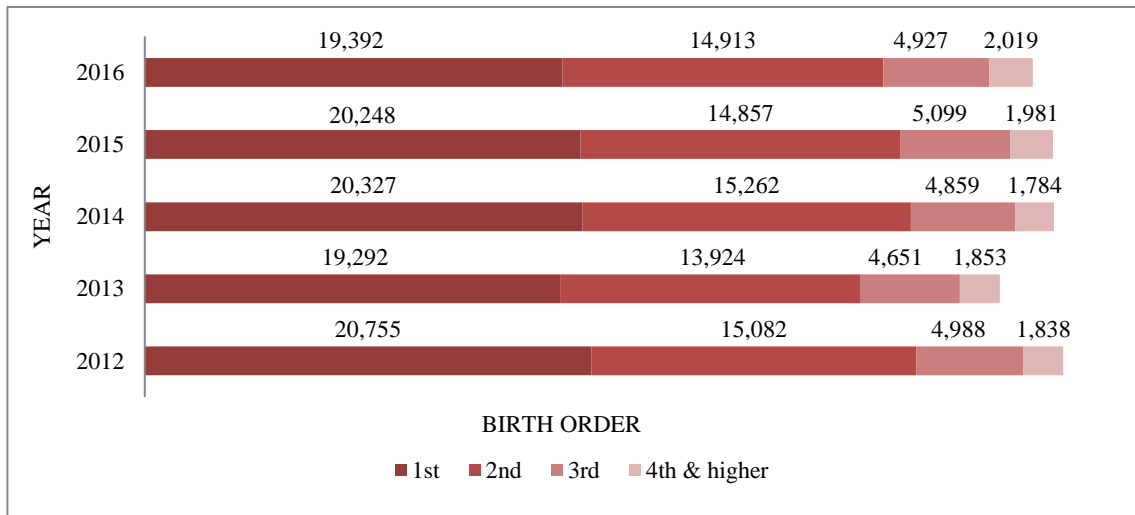


### Live Births

#### Birth Order

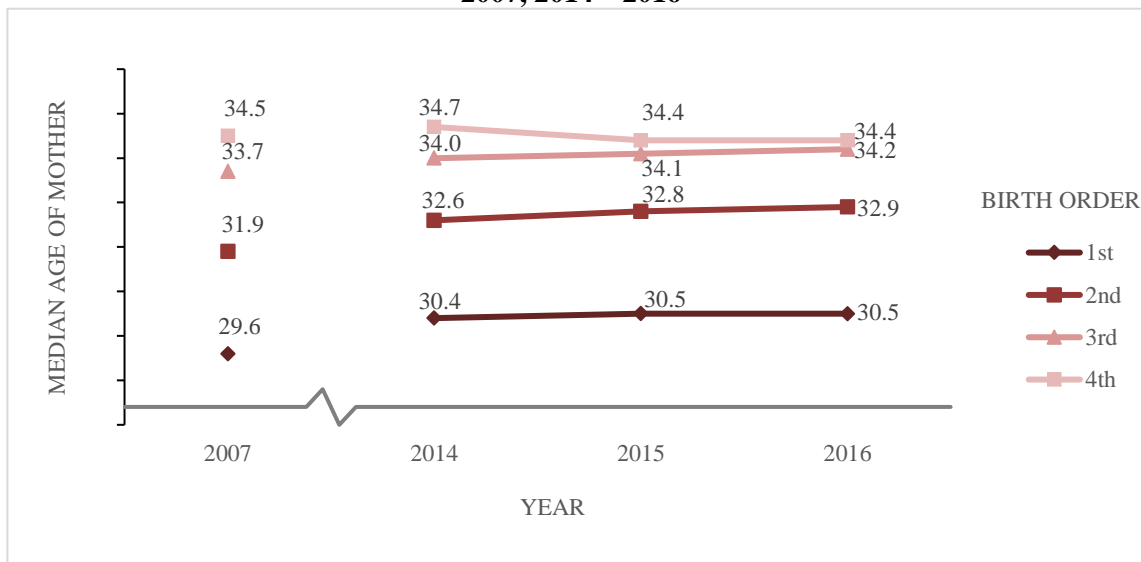
11 Live births in 2016 comprised 47.0% 1<sup>st</sup> order, 36.2% 2<sup>nd</sup> order, 11.9% 3<sup>rd</sup> order and 4.9% 4<sup>th</sup> & higher order births (Chart 5).

**Chart 5**  
**LIVE BIRTHS BY BIRTH ORDER, 2012 – 2016**



12 Based on the resident birth order figures, it seems that women have been delaying the birth of children till a later age. The median age of mothers showed increases across the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> order births when compared against 2007 (Chart 6).

**Chart 6**  
**RESIDENT BIRTH ORDER BY PERIOD AND MEDIAN AGE OF MOTHER, 2007, 2014 – 2016**



### Live Births

#### First Time Mothers

13 The median age of resident live births for first time mothers was 30.5 years at the time of giving birth. Malay mothers have their first child at 27.6 years, against 31.2 years, 29.4 years and 30.4 years for Chinese, Indians and other ethnic groups respectively.

14 Among these first time mothers, 56.1% had university degrees and 43.9% had 'A' level or lower qualification.

**Table II**  
**RESIDENT LIVE BIRTHS FOR FIRST TIME MOTHERS BY ETHNIC GROUP, EDUCATION AND OCCUPATION**

Ethnic Group, Educational Qualification and Occupation of Mothers	Number of First Time Mothers		Median Age (years)	
	2015	2016	2015	2016
<b>Ethnic Group</b>				
Chinese	12,242	11,830	31.2	31.2
Malays	2,835	2,802	27.5	27.6
Indians	1,447	1,218	29.8	29.4
Others	1,391	1,220	30.3	30.4
<b>Total</b>	<b>17,915</b>	<b>17,070</b>	<b>30.5</b>	<b>30.5</b>
<b>Education Level</b>				
No Qualification	315	224	28.8	28.5
Primary	843	760	27.4	27.1
GCE 'N' Level	661	601	25.8	25.3
GCE 'O' Level	1,677	1,427	28.0	28.1
GCE 'A' Level	4,840	4,486	29.5	29.2
University	9,578	9,572	31.5	31.4
Unknown	1	0	-	-
<b>Total</b>	<b>17,915</b>	<b>17,070</b>	<b>30.5</b>	<b>30.5</b>
<b>Occupation</b>				
Legislators, Senior Officials, Managers, Professionals, Technicians & Other Associate Professionals	11,414	11,284	31.1	31.1
Clerical, Service, Shop & Market Sales Workers	2,078	1,821	28.6	28.8
Agricultural & Fishery Workers	0	1	-	-
Production, Transport & Other Manual Workers	58	49	29.8	30.3
Workers Not Classifiable by Occupation	79	59	28.9	28.2
Not Working	4,286	3,856	28.8	28.5
<b>Total</b>	<b>17,915</b>	<b>17,070</b>	<b>30.5</b>	<b>30.5</b>

### Live Births

#### Type of Birth and Period of Gestation

15 40,109 mothers had single births, 561 had twins (including four with one live births and one still births) and 8 had triplets.

16 The modal gestation period for single births was 38 weeks which accounted for 32.3%. The modal gestation period for twin births was 37 weeks, accounting for 27.9% of total twin births. Premature single births, defined as births with gestation period of 36 weeks or less, totaled 2,739 (6.8%) of single births. The number of premature twins, with 36 weeks or less gestation period, accounted for 66.0% of twin births (Table III).

**Table III**  
**LIVE BIRTHS BY PERIOD OF GESTATION AND TYPE OF BIRTH, 2016**

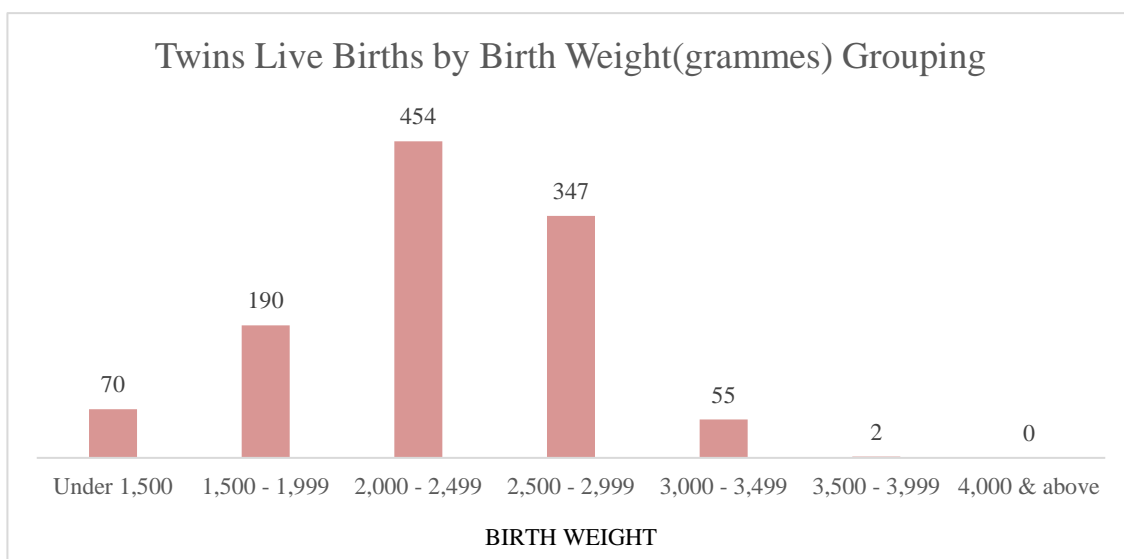
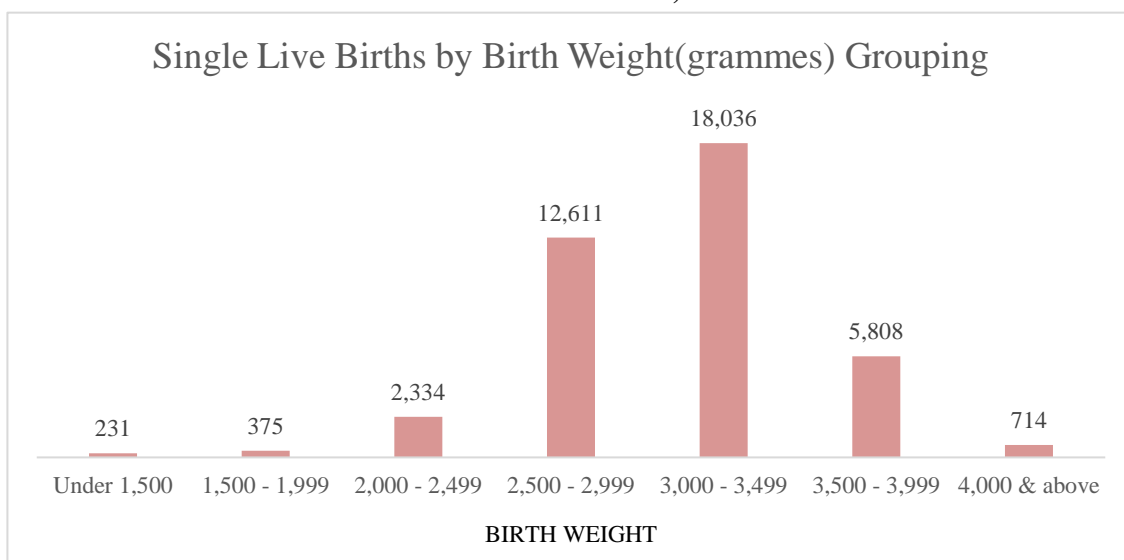
Period of Gestation (weeks)	Total		Type of Birth							
			Single		Twins		Triplets		Others	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All	41,251	100.0	40,109	100.0	1,118	100.0	24	100.0	-	-
Under 28	111	0.3	89	0.2	22	2.0	-	-	-	-
28 - 31	247	0.6	181	0.5	54	4.8	12	50.0	-	-
32 - 35	1,477	3.6	1,106	2.8	362	32.4	9	37.5	-	-
36	1,663	4.0	1,363	3.4	300	26.8	-	-	-	-
37	5,972	14.5	5,657	14.1	312	27.9	3	12.5	-	-
38	13,008	31.5	12,946	32.3	62	5.5	-	-	-	-
39	11,860	28.8	11,854	29.6	6	0.5	-	-	-	-
40	6,287	15.2	6,287	15.7	-	-	-	-	-	-
41	575	1.4	575	1.4	-	-	-	-	-	-
42 & Over	50	0.1	50	0.1	-	-	-	-	-	-
Unknown	1	0.0	1	0.0	-	-	-	-	-	-

### Live Births

#### Birth Weight

17 Chart 7 reflects a strong tendency that twin births were generally lighter in weight than single births.

**Chart 7**  
**SINGLE AND TWIN LIVE BIRTHS**  
**BY BIRTH WEIGHT, 2016**



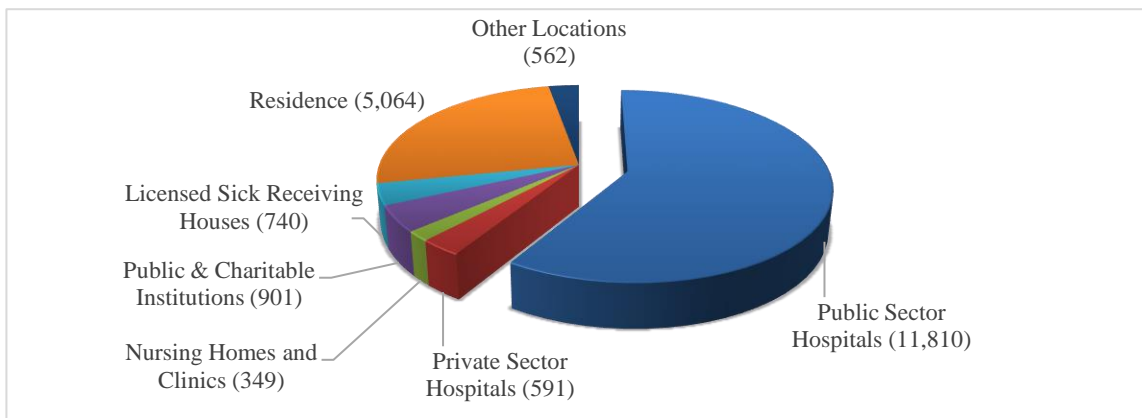


### Deaths

18 In 2016 a total of 20,017 deaths were registered, an increase of 155 (or 0.8%) as compared with 19,862 deaths registered in 2015.

19 Deaths that occurred in hospitals constituted 62.0% of the total (Chart 8); with 59.0% in public sector hospitals and 3.0% in private sector hospitals. Deaths in residence made up 25.3%, while 6.2% were in nursing homes and charitable institutions, 3.7% were in sick receiving houses and 2.8% at other locations.

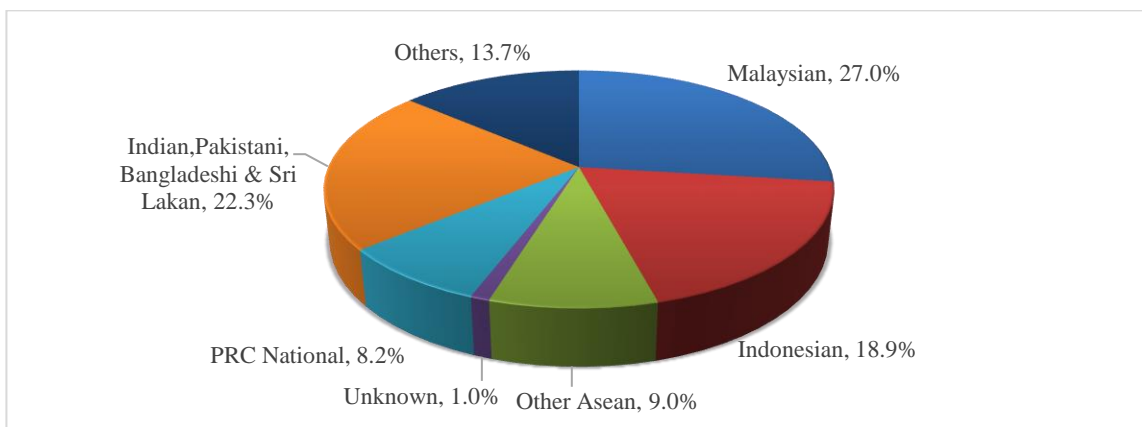
**Chart 8**  
**DEATHS BY PLACE OF OCCURRENCE 2016**



### Nationality

20 5.8% of deaths registered in 2016 were non-Singapore residents (Chart 9). They were mostly Malaysians and Indonesians.

**Chart 9**  
**DEATHS BY NON-RESIDENT STATUS, 2016**



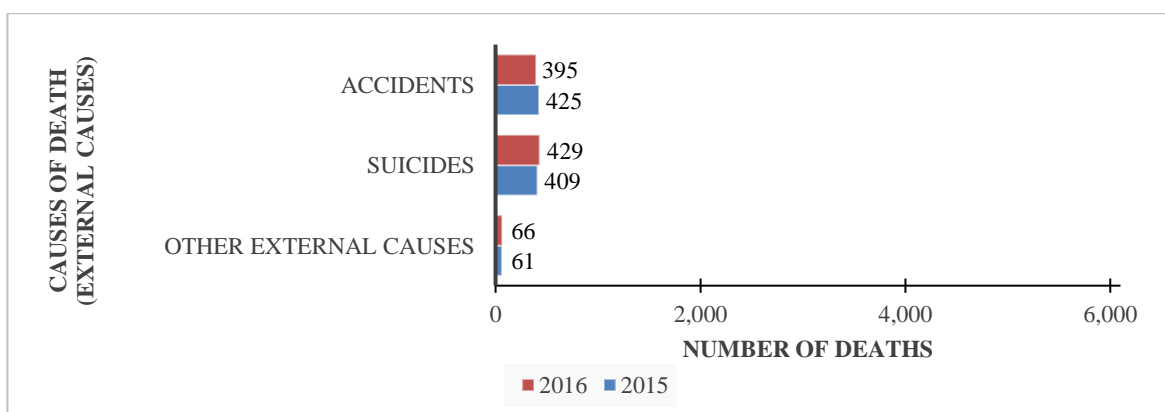
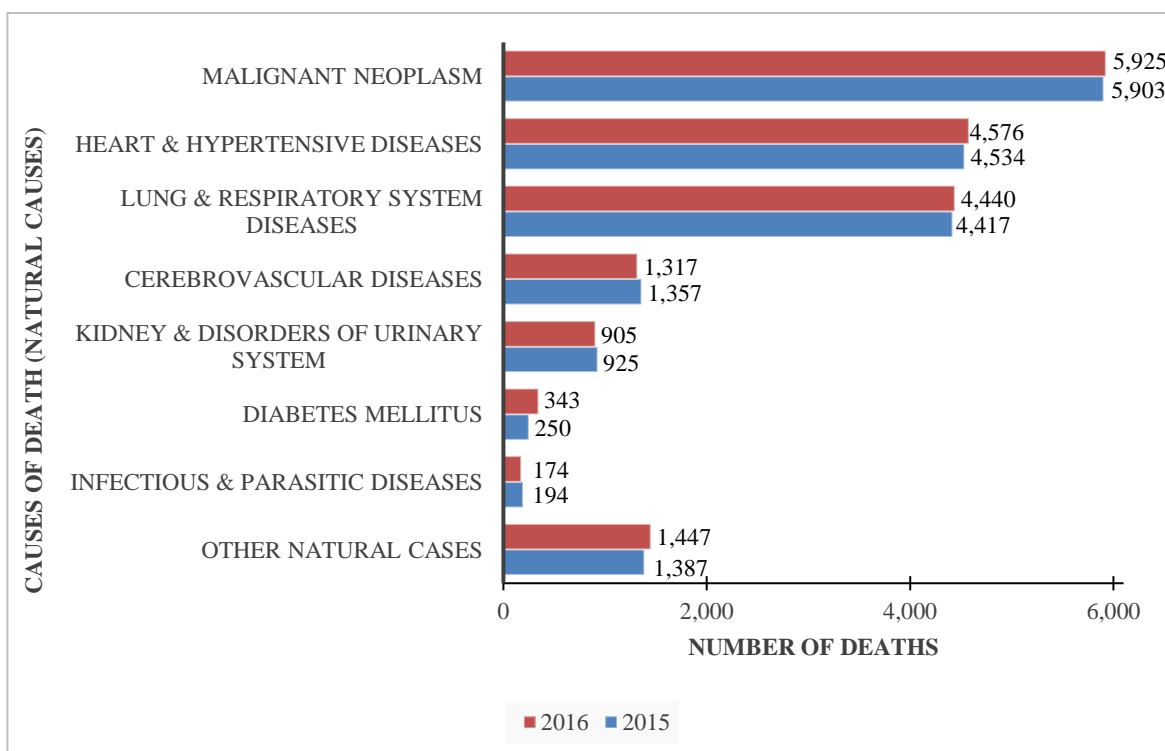
### Deaths

#### Major Causes of Death

21 In 2016, malignant neoplasms and heart & hypertensive diseases were the two common causes of death in Singapore. Altogether, they accounted for more than half (52.5%) of total deaths. Lung & respiratory system diseases and cerebrovascular diseases were another two prevalent causes responsible for 22.2% and 6.6% of death cases respectively. Unnatural causes such as accidents, suicides and other external injuries made up 4.4%. As compared with the previous year (measured in terms of percentage), diabetes mellitus shows an increase of 0.4% and cerebrovascular disease declines by 0.2%.

Chart 10

#### COMPARATIVE MAJOR CAUSES OF DEATH BETWEEN 2015 AND 2016

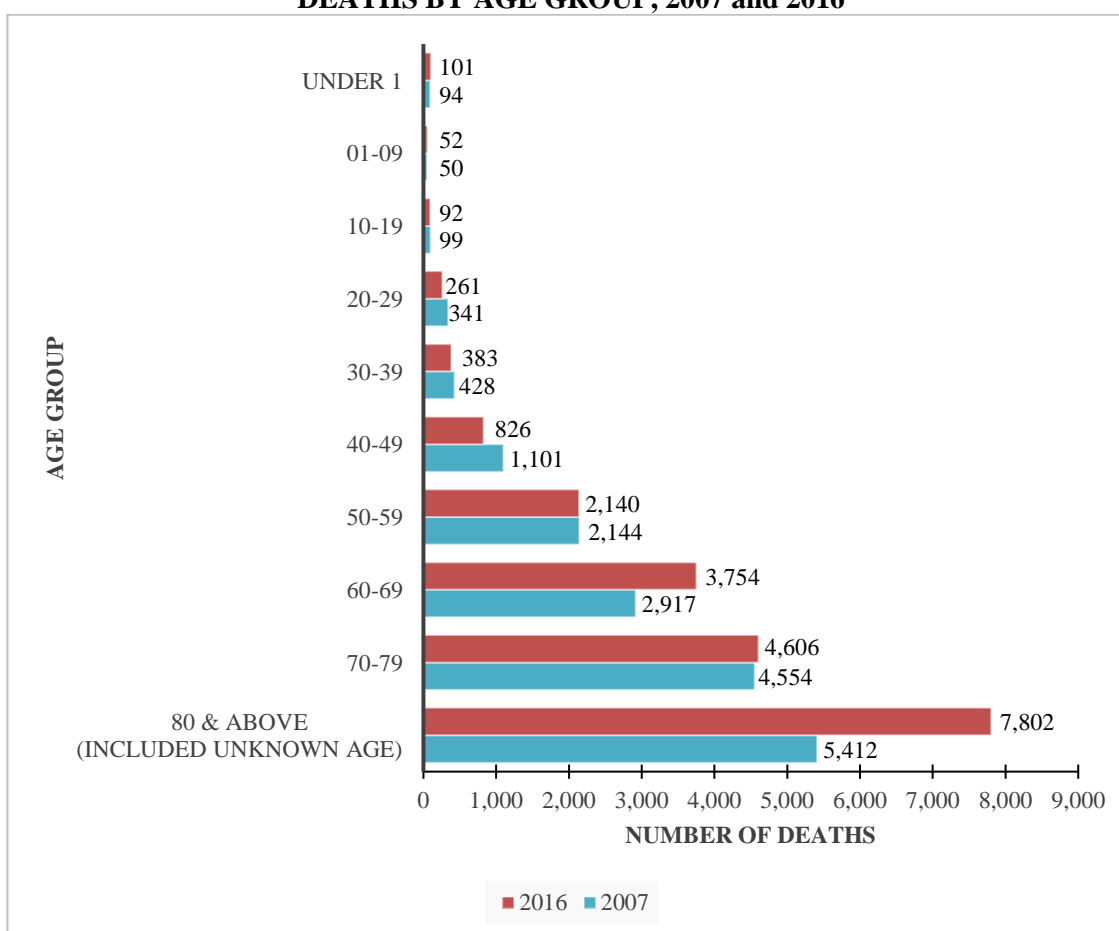


### Deaths

#### Average Age at Death and Gender

22 16,162 deceased persons in 2016 were aged 60 years and over. Persons aged between 50 and 59 years old accounted for 10.7% of the total deaths. The number of Infant deaths (age less than one year old) is 101.

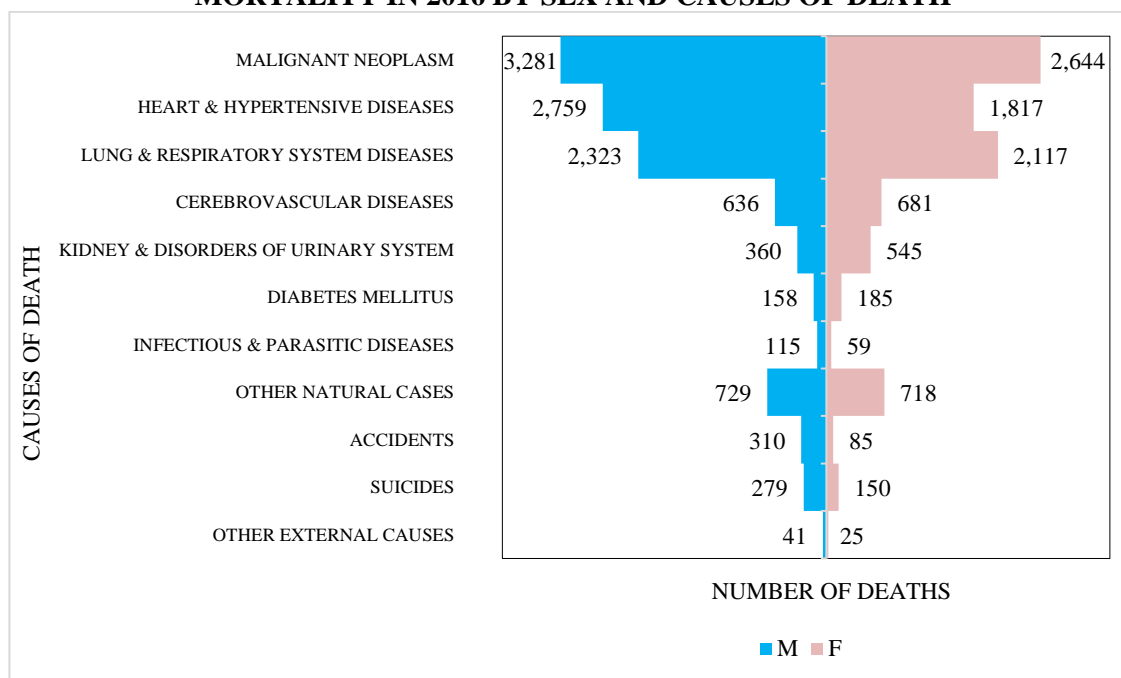
**Chart 11**  
**DEATHS BY AGE GROUP, 2007 and 2016**



### Deaths

23 Males outnumbered females in mortality, giving a ratio of 1,218 males to 1,000 females. In terms of causes of death, males registered a higher proportion in heart & hypertensive diseases and accidents while females registered a higher proportion in kidney & disorders of urinary system and lung & respiratory system diseases.

**Chart 12**  
**MORTALITY IN 2016 BY SEX AND CAUSES OF DEATH**



24 The average age at death (AA in short), measured by the median was 76.1 years. The highest AA of 83.5 years was recorded for those who died of lung & respiratory system diseases, followed by 82.1 years for kidney & disorders of urinary system and 79.0 years for cerebrovascular diseases.

25 The AA has been gradually lengthening over the years. It was 73.3 years in 2007. It increased to 74.3 years and 76.1 years in 2011 and 2016 respectively. Not including other natural causes, the increase in AA was most conspicuous among kidney & disorders of urinary system (77.6 years in 2007 to 82.1 years in 2016) and diabetes mellitus (72.8 year in 2007 to 76.4 years in 2016).

26 Females lived longer than their male counterparts. The AA was 72.7 years for males compared to 79.6 years for females, a difference of 6.9 years. The sex differential in AA changed little over the years and it occurred across all major causes of death.

### Deaths

**Table IV**  
**COMPARATIVE AVERAGE AGE AT DEATH BY CAUSES AND SEX**

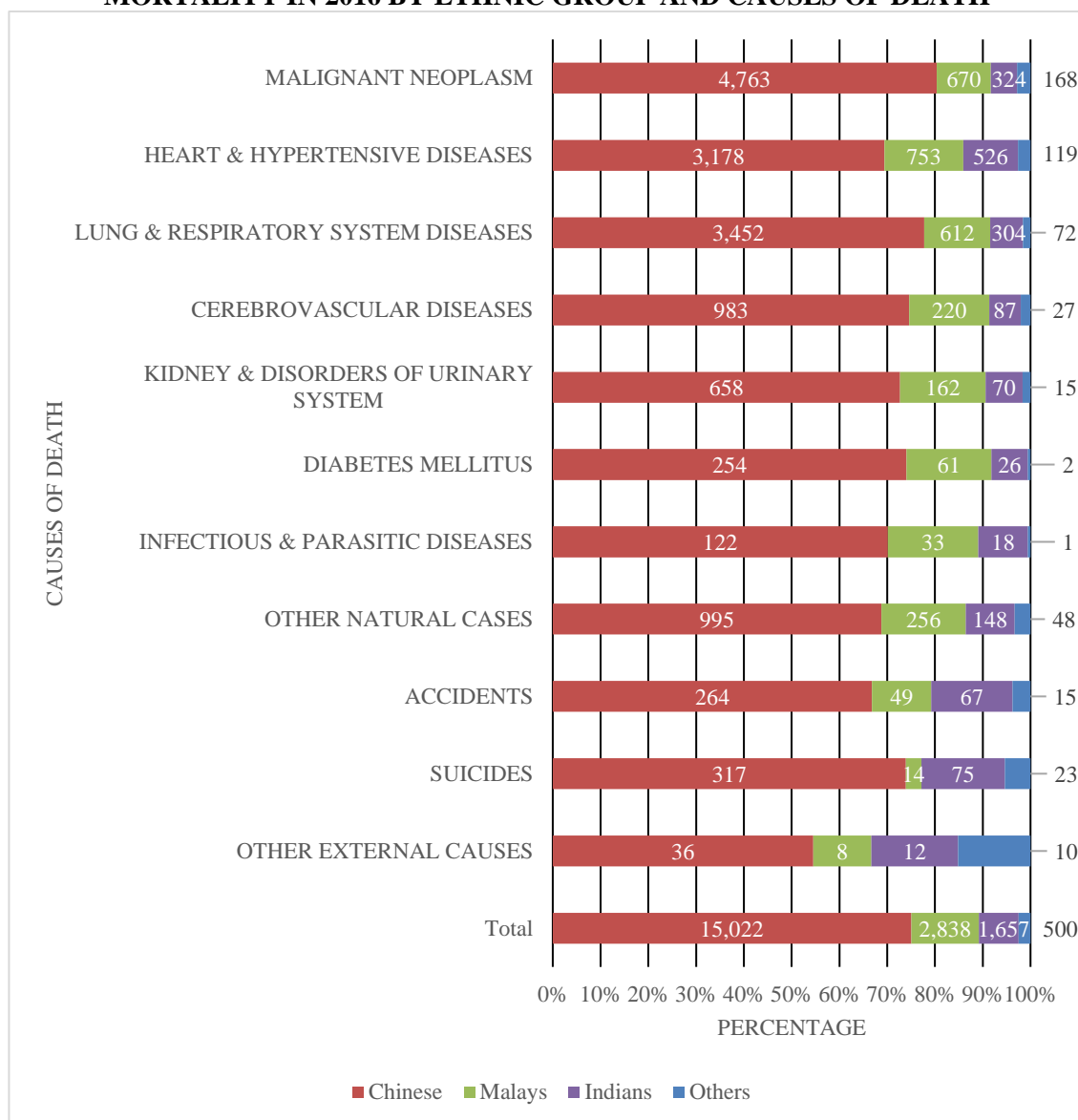
Causes of Death	Sex	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Malignant Neoplasms	F	70.6	69.1	69.7	69.9	70.3	70.1	70.7	70.6	71.2	70.2
	M	69.3	69.4	69.9	69.7	70.4	70.6	69.9	70.7	70.3	70.4
	Total	69.7	69.3	69.9	69.8	70.3	70.5	70.2	70.6	70.7	70.4
Heart & Hypertensive Diseases	F	78.7	79.1	78.9	80.1	80.2	79.0	80.4	80.0	80.7	80.8
	M	70.0	68.8	69.4	69.6	68.8	68.2	69.4	69.6	68.9	69.6
	Total	73.7	73.6	73.6	74.7	73.8	73.3	74.3	74.3	74.6	75.0
Lung & Respiratory System Diseases	F	84.3	84.5	84.6	84.9	84.9	85.1	85.4	86.1	86.4	86.5
	M	78.6	78.6	78.7	78.6	79.6	79.3	79.6	80.3	80.5	80.7
	Total	80.7	81.1	81.0	81.5	81.9	82.1	82.4	83.1	83.5	83.5
Cerebrovascular Diseases	F	80.6	80.9	81.6	81.7	82.0	82.9	82.7	82.9	81.9	82.3
	M	74.6	74.1	74.2	73.5	75.0	74.5	75.4	75.1	74.2	74.1
	Total	78.2	78.6	78.7	78.8	78.9	79.7	79.3	79.4	78.7	79.0
Kidney & Disorders of Urinary System	F	78.9	80.3	79.9	80.9	80.3	80.9	81.8	82.9	81.8	83.6
	M	75.1	75.5	75.7	75.9	76.7	76.4	76.9	78.5	77.1	79.2
	Total	77.6	78.7	78.5	79.0	78.7	79.2	80.1	81.3	80.3	82.1
Diabetes Mellitus	F	74.4	74.5	77.4	74.5	76.1	76.8	78.3	79.2	77.0	78.5
	M	69.6	71.5	68.7	69.0	69.1	68.8	69.0	71.1	70.5	73.3
	Total	72.8	73.4	73.6	71.7	73.1	73.0	74.4	76.7	75.1	76.4
Infectious & Parasitic Diseases	F	76.1	79.1	79.4	79.7	78.7	76.5	74.7	74.7	77.0	75.4
	M	68.9	71.1	72.0	70.9	69.4	63.6	66.5	63.4	67.1	67.9
	Total	72.3	74.0	74.3	74.8	72.2	68.5	69.3	67.7	68.7	72.3
Other Natural Causes	F	72.5	73.1	74.0	72.4	73.8	74.6	76.3	78.2	79.7	78.2
	M	60.7	60.6	60.9	66.1	63.8	66.2	67.2	66.5	68.1	68.3
	Total	65.9	66.9	66.4	69.5	69.8	71.4	71.9	72.8	73.8	73.5
Accidents	F	56.2	59.1	70.7	61.4	69.4	70.9	68.3	75.1	66.0	70.1
	M	41.7	44.1	43.4	46.2	44.5	48.8	49.3	45.2	53.0	52.3
	Total	43.9	48.0	49.1	49.2	49.9	52.9	52.5	53.8	54.6	58.2
Suicides	F	47.0	47.8	50.8	46.3	50.2	47.8	47.1	47.5	44.2	44.7
	M	47.1	48.3	44.8	47.9	51.6	48.0	47.6	51.7	45.9	47.5
	Total	47.1	48.2	46.4	47.1	51.4	47.9	47.5	50.9	45.9	47.1
Other External Causes	F	45.4	40.8	48.0	44.6	46.2	34.9	41.8	38.9	30.4	44.3
	M	41.4	44.0	40.0	42.1	42.5	41.9	42.2	41.8	43.0	42.2
	Total	42.7	42.8	42.8	42.8	42.7	39.0	42.1	39.4	38.4	43.0
ALL	F	<b>76.9</b>	<b>77.0</b>	<b>77.6</b>	<b>78.0</b>	<b>77.9</b>	<b>78.1</b>	<b>78.9</b>	<b>79.5</b>	<b>79.7</b>	<b>79.6</b>
	M	<b>70.5</b>	<b>70.1</b>	<b>70.7</b>	<b>71.2</b>	<b>71.4</b>	<b>71.5</b>	<b>72.0</b>	<b>72.5</b>	<b>72.3</b>	<b>72.7</b>
	Total	<b>73.3</b>	<b>73.3</b>	<b>73.9</b>	<b>74.4</b>	<b>74.3</b>	<b>74.2</b>	<b>74.9</b>	<b>75.5</b>	<b>75.7</b>	<b>76.1</b>

### Deaths

#### Ethnic Group

27 75.0% of deaths registered in 2016 were Chinese while Malays, Indians and other ethnic groups made up of 14.2%, 8.3% and 2.5% of death cases respectively.

**Chart 13**  
**MORTALITY IN 2016 BY ETHNIC GROUP AND CAUSES OF DEATH**



### Deaths

28 Table V shows that there were differences in the average age at death among different ethnic groups. The AA for Chinese was 77.4 years compared with 70.0 years for Malays, 68.7 years for Indians and 65.2 years for other ethnic groups. The gap in AA between Chinese and non-Chinese ethnic groups existed in all major causes of death.

**Table V**  
**THE AVERAGE AGE AT DEATH BY MAJOR CAUSES OF DEATH**  
**AND ETHNIC GROUP, 2016**

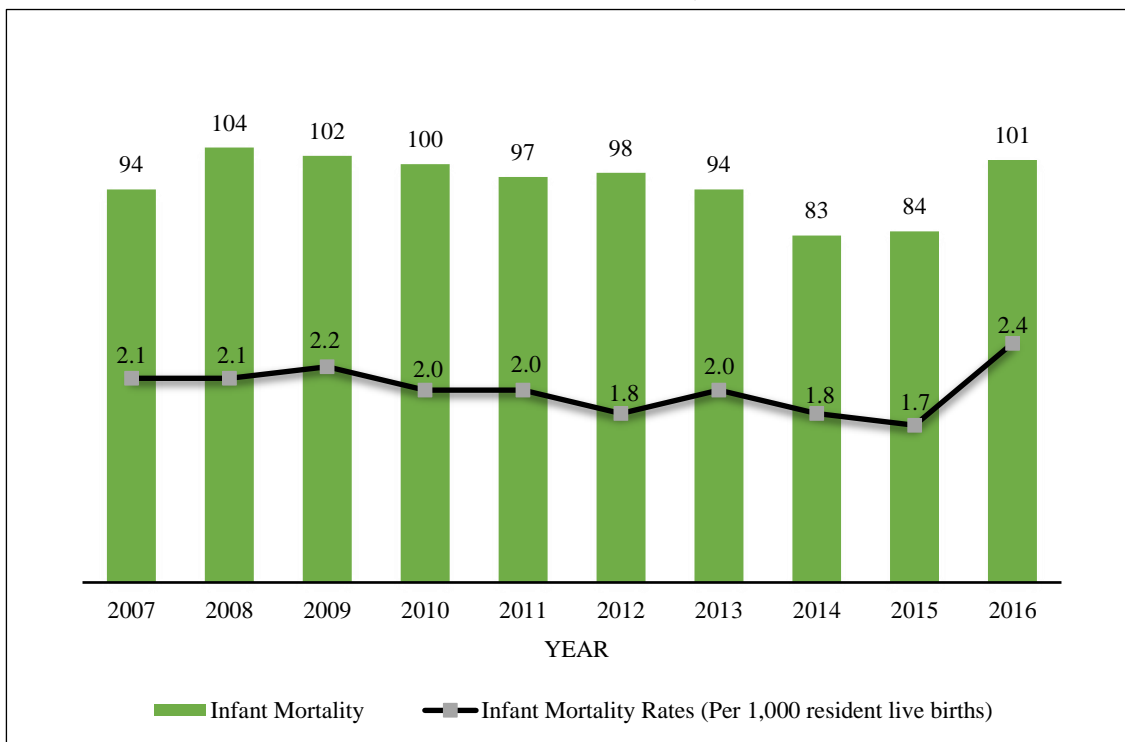
Causes of Death	ALL	Chinese	Malays	Indians	Others
<b>Natural Causes</b>					
Malignant Neoplasms	70.4	72.1	65.5	67.5	64.1
Heart & Hypertensive Diseases	75.0	77.3	67.6	67.9	67.0
Lung & Respiratory System Diseases	83.5	84.3	80.0	80.5	84.1
Cerebrovascular Diseases	79.0	80.3	74.5	73.0	58.7
Kidney & Disorders of Urinary System	82.1	83.0	76.6	79.5	79.7
Diabetes Mellitus	76.4	77.9	73.0	74.8	75.6
Infectious & Parasitic Diseases (Tuberculosis, Septicaemia, etc)	72.3	72.4	65.9	71.8	60.8
Other Natural Cases	73.5	76.9	64.6	60.7	62.3
<b>Accidents and Violence (All Forms)</b>					
Accidents	58.2	66.2	40.6	35.8	46.1
Suicides	47.1	52.4	39.8	31.7	35.7
Other External Causes	43.0	54.1	30.8	37.8	32.5
<b>ALL</b>	<b>76.1</b>	<b>77.4</b>	<b>70.0</b>	<b>68.7</b>	<b>65.2</b>

### Deaths

#### Infant Mortality

29 Of the 101 infant deaths registered in 2016, 50 were males and 51 were females. The main causes of infant death were Congenital Anomalies (42.6%) and Perinatal Originated Conditions (35.6%). The infant mortality rate in 2016 was 2.4 per 1,000 resident live births (Chart 14).

**Chart 14**  
**INFANT MORTALITY RATES, 2007 – 2016**



#### Neonatal Mortality

30 The number increase from 52 in 2007 to 57 in 2016. Correspondingly, the neonatal mortality rate also increases from 1.2 per 1,000 resident live births in 2007 to 1.4 per 1,000 resident live births in 2016.

#### Perinatal Mortality

31 Including still births, there were 124 perinatal deaths registered in 2016. The perinatal mortality rate was 3.0 per 1,000 live births and still births.

#### Maternal Mortality

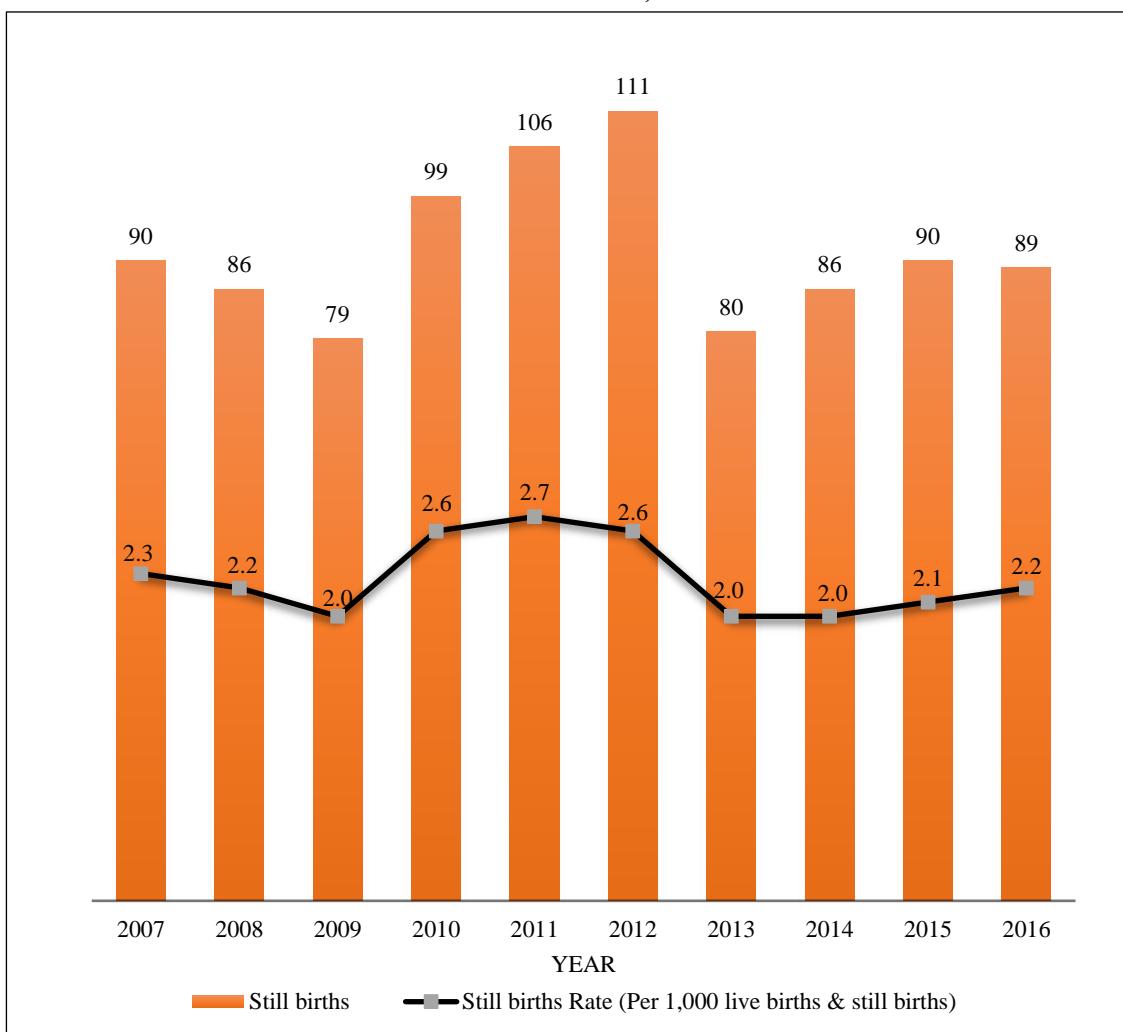
32 In 2016, there were 2 maternal deaths registered.



### Still Births

33 The percentage of still births registered in 2016 decreased by 1.1% to 89 as compared to 90 in 2015. Chart 15 shows that the crude still births rates varied between 2.0 to 2.7 per 1,000 live births and still births for the last 10 years.

**Chart 15**  
**STILL BIRTHS RATES, 2007 – 2016**



34 Still births registered in 2016 comprised 38 males and 51 females. Still births in excess of 36 weeks of gestation period constituted 29.2% of total still births.

# **ANNEXURE**

## **PROCEDURES FOR THE REGISTRATION OF LIVE BIRTHS, DEATHS AND STILL BIRTHS**

### **LIVE BIRTHS**

All live births occurring in Singapore can be registered at one of the following Birth Registration Centres stated below:

- a Registry of Births and Deaths at the ICA Building;
- b Gleneagles Hospital;
- c KK Women's and Children's Hospital;
- d Mount Alvernia Hospital;
- e Mount Elizabeth Hospital;
- f Mount Elizabeth Novena Hospital;
- g National University Hospital;
- h Parkway East Hospital;
- i Raffles Hospital;
- j Singapore General Hospital; or
- k Thomson Medical Pte Ltd.

2 The following documents are required to be produced at the time of birth registration:

- a Notification of Live birth;
- b Identification Documents of both parents i.e. Singapore Pink Identity Card or Foreign Travel Document (with their Singapore Blue Identity Card or Long Term Pass Card issued by ICA, if applicable); and
- c Original Marriage Certificate of parents.

3 The Certificate of Registration of Birth is prepared in 2 copies. One copy is retained by the Registrar while the other copy is laminated and issued to the informant. The fee for a birth certificate is S\$18.00. For births registered at the respective maternity hospitals, these centres may charge an additional administrative fee on top of the fee for a birth certificate.

4 All live births must be registered within 14 days. Registrations effected after 14 days but before the expiry of 42 days are classified as Delayed Registrations. Registrations after the expiry of 42 days are classified as Late Registrations.

## DEATHS

5 Deaths which occur in government restructured hospitals can be registered at the respective hospitals. Deaths which occur elsewhere in Singapore are registered at the Registry of Births and Deaths or any of the Police Divisional Headquarter/Neighbourhood Police Centre or Post. The following documents are required to be produced for registration:

- a Certificate of Cause of Death issued by a medical practitioner;
- b Identification Document of deceased, i.e. Singapore Pink Identity Card or Foreign Travel Document (with their Singapore Blue Identity Card or Long Term Pass Card issued by ICA, if applicable);
- c Singapore Passport of deceased;
- d Birth Certificate or Certificate of Citizenship of deceased, where applicable; and
- e Identification Document of the Informant, i.e. Singapore Pink Identity Card or Foreign Travel Document (with their Singapore Blue Identity Card or Long Term Pass Card issued by ICA).

6 A death which has occurred at home and is not attended by a doctor must first be reported to the Police who will make arrangements for an authorised medical practitioner to examine the body. The medical practitioner will issue a Certificate of Cause of Death if he is satisfied that the death is due to natural causes. The death must then be registered at the Registry of Births and Deaths or any of the Police Divisional Headquarter/Neighbourhood Police Centre or Post. The documents required to be produced for registration are as mentioned in Paragraph 5 above.

7 The Certificate of Registration of Death, together with the attached Burial/Cremation Permit, is prepared in 2 copies. One copy is issued to the informant and the other copy is retained by the Registrar. An acknowledgement slip for the documents (as mentioned in paragraph 5b, c and d) surrendered will be issued to the informant. All documents invalidated are returned to the informant.

8 No fee is required for the registration of a death. If the body of a deceased is to be exported to another country, an Export Permit must be obtained from the Port Health Officer, Ministry of the Environment and Water Resources. The Export Permit can only be obtained after the death has been registered.

9 All deaths in Singapore must be registered within three days of occurrence. Death registrations after three days are classified as Late Registrations.

## STILL BIRTHS

10 Still-births which occur in government restructured hospitals are registered at the respective hospitals. Still-births which occur elsewhere in Singapore are registered at the Registry of Births and Deaths or any of the Police Divisional Headquarter/Neighbourhood Police Centre or Post. The following documents are required to be produced for registration:

- a Notification of Still-birth issued by a doctor;
- b Identification Documents of both parents i.e. Singapore Pink Identity Card or Foreign Travel Document (with Singapore Blue Identity Card or Long Term Pass Card issued by ICA, if applicable); and
- c Identification Document of the Informant, i.e. Singapore Pink Identity Card or Foreign Travel Document (with Singapore Blue Identity Card or Long Term Pass Card issued by ICA).

11 Upon registration, a Permit to Bury or Cremate Body and an acknowledgement slip for the documents surrendered are issued to the informant while the Certificate of Registration of Still-birth is retained by the Registrar. No fee is required for the registration of a still-birth.

12 All still-births must be registered within 14 days.



REPUBLIC OF SINGAPORE  
CERTIFICATE OF REGISTRATION OF BIRTH

BIRTH REGISTRATION No. \_\_\_\_\_

<b>CHILD'S PARTICULARS</b>	Birth Registered at _____		
	Full Name _____		
	Sex _____	Date of Birth _____	Time of Birth _____ Hours
	Place or Address of Birth _____		
<b>MOTHER'S PARTICULARS</b>	Name _____		Date of Birth _____
	NRIC/Identification Document No. _____	Race _____	Dialect Group _____
	Nationality _____		Country/Place of Birth _____
	Address _____		
<b>FATHER'S PARTICULARS</b>	Name _____		
	NRIC/Identification Document No. _____	Race _____	Dialect Group _____
	Nationality _____		Country/Place of Birth _____
	Address _____		
<b>INFORMANT'S PARTICULARS</b>	Name _____		
	NRIC/Identification Document No. _____	Relationship _____	
	Address _____		
FOR OFFICIAL USE			

I certify that the above information given by me is correct.

 \_\_\_\_\_  
*Informant's Signature or Thumb Impression*

 \_\_\_\_\_  
*Date*

 \_\_\_\_\_  
*for Registrar of Births and Deaths*

 \_\_\_\_\_  
*Date*

REPUBLIC OF SINGAPORE		DEATH REGISTRATION NO.				
<b>CERTIFICATE OF REGISTRATION OF DEATH</b>						
<b>DECEASED</b>	Death registered at					
	Full name of deceased					
	NRIC/Identification Document No.		Sex		Date of Birth	
	Race/Dialect Group		Nationality		Country/Place of Birth	
	Home Address			Date and Hour of Death		
	Place or Address where death occurred			Approximate interval between onset and death		
			Years	Months	Days	Hours
<b>CAUSE OF DEATH BY CERTIFIER</b>	<b>I</b>					
	Disease or condition leading to death		(a)			
			(b)			
Antecedent Causes		(c)				
<b>II</b>						
Other significant conditions						
Name and official status of person certifying cause of death			Certificate of Cause of Death Reference No.:			
			Date:			
<b>INFORMANT</b>	Name		I certify that the above information given by me is correct.			
	Address					
	NRIC/Identification Document No.					
	Relationship					
		_____ <i>Informant's Signature /</i>		_____ <i>Date</i>		
		_____ <i>Thumb Impression</i>				
<b>REGISTRATION OFFICER</b>	Name of Registration Officer					
	Designation					
	Date					
_____ <i>for Registrar of Births and Deaths</i>						

REPUBLIC OF SINGAPORE <b>CERTIFICATE OF REGISTRATION OF STILL-BIRTH</b>		STILL-BIRTH REGISTRATION No. <b>No.</b>	
<b>CHILD'S PARTICULARS</b>	Still-birth registered at		
	Sex	Date of Birth	Hour of Birth
	Place and Address of Birth		Cause of Death
<b>MOTHER'S PARTICULARS</b>	Maiden Name		
	NRIC/Identification Document No.	Race/Dialect Group	Nationality
	Date of Birth	Address	
<b>FATHER'S PARTICULARS</b>	Name		
	NRIC/Identification Document No.	Race/Dialect Group	Nationality
<b>INFORMANT'S PARTICULARS</b>	State relationship (e.g. Father, Mother, etc.)		Name and Address
	NRIC/Identification Document No.		
I certify that the information given by me is correct.			
_____ <i>Informant's Signature or Thumb Impression</i>		_____ <i>Registrar of Births and Deaths</i>	
_____		_____	
<i>Date</i>		<i>Date</i>	



**EXPLANATORY  
NOTES**

## **EXPLANATORY NOTES**

- 1 *Resident population* refers to Singapore citizens and permanent residents. Data from 2003 onwards exclude residents who have been away from Singapore for a continuous period of 12 months or longer as at the reference period.
- 2 *Annual population growth rate* refers to the annual population increase per thousand population, and is based on Singapore residents only. For 2003, the annual population growth rate is computed based on 2003 unrevised population estimates.
- 3 *Sex ratio* refers to the number of males per thousand females and is based on Singapore residents only.
- 4 *Natural increase* refers to the excess of births over deaths.
- 5 *Crude rate of natural increase* refers to the natural increase per thousand population. From 1980 onwards, this rate is based on Singapore residents only.
- 6 *A live birth* refers to an infant, irrespective of the duration of gestation, which after the complete expulsion or extraction from its mother, breathes or shows any other signs of life. From 1953 onwards, the figures are based on date of occurrence. Prior to 1953, they are based on date of registration.
- 7 *Crude birth rate* refers to the number of live births per thousand population. From 1980 onwards, this rate is based on Singapore residents only.
- 8 *Birth order* refers to the numerical order of a child in relation to all previous live births of its mother.
- 9 *Period of gestation* refers to the number of weeks a baby remained in its mother's womb before birth.
- 10 *A premature birth* refers to a birth with less than 37 weeks of gestation.
- 11 *A death* refers to the permanent disappearance of all signs of life of a living person at any time. Death figures referred to the number of deaths registered during the year.
- 12 *Crude death rate* refers to the number of deaths per thousand population. From 1980 onwards, this rate is based on Singapore residents only.
- 13 *Infant mortality* refers to death of persons under one year of age.

- 14 *Crude infant mortality rate* refers to the number of infant deaths per thousand live births. From 1980 onwards, this rate is based on resident live births only.
- 15 *Neonatal mortality* refers to death of persons under 28 days of age.
- 16 *Crude neonatal mortality rate* refers to the number of neonatal deaths per thousand live births. From 1990 onwards, this rate is based on resident live births only.
- 17 *Perinatal mortality* refers to still birth and death of persons under seven days of age.
- 18 *Crude perinatal mortality rate* refers to the number of perinatal deaths per thousand live births and still births.
- 19 *Maternal mortality* refers to deaths of mothers owing to deliveries and complications arising from pregnancy, childbirth and puerperium.
- 20 *Crude maternal mortality rate* refers to the number of maternal deaths per hundred thousand live births and still births.
- 21 A *still birth* refers to an infant born after a minimum of 28 weeks of gestation, which after expulsion or extraction from its mother, does not breathe or show any signs of life. Still birth figures referred to the number of still births registered during the year.
- 22 *Crude still birth rate* refers to the number of still births per thousand live births and still births.
- 23 *Resident live-births* refer to those with at least one parent who is Singapore citizen or permanent resident.

# **TABLES**

**Table 1**  
**POPULATION AND VITAL STATISTICS, 1997 - 2016**

Year	Population *	Natural Increase	Live Births	Deaths	Still Births	Infant Mortality	Neonatal Mortality	Perinatal Mortality	Maternal Mortality
1997	3,123,403	32,028	47,333	15,305	139	179	106	208	2
1998	3,180,018	28,007	43,664	15,657	133	183	106	213	6
1999	3,229,681	27,820	43,336	15,516	125	150	86	183	4
2000	3,273,363	31,304	46,997	15,693	143	137	82	204	8
2001	3,325,902	26,084	41,451	15,367	107	100	55	146	4
2002	3,382,944	24,940	40,760	15,820	114	123	68	159	5
2003	3,366,891	21,449	37,485	16,036	95	100	60	135	2
2004	3,413,266	21,314	37,174	15,860	115	82	44	143	2
2005	3,467,814	21,277	37,492	16,215	102	95	60	141	5
2006	3,525,894	21,924	38,317	16,393	99	117	70	145	4
2007	3,583,082	22,350	39,490	17,140	90	94	52	121	3
2008	3,642,659	22,604	39,826	17,222	86	104	62	123	3
2009	3,733,876	22,469	39,570	17,101	79	102	63	126	0
2010	3,771,721	20,357	37,967	17,610	99	100	53	134	1
2011	3,789,251	21,627	39,654	18,027	106	97	62	154	3
2012	3,818,205	24,182	42,663	18,481	111	98	58	156	1
2013	3,844,751	20,782	39,720	18,938	80	94	52	110	1
2014	3,870,739	22,839	42,232	19,393	86	83	50	123	1
2015	3,902,690	22,323	42,185	19,862	90	84	41	118	3
2016	3,933,559	21,234	41,251	20,017	89	101	57	124	2

\* Source : Singapore Department of Statistics

Note: (1) Population figures refer to Singapore residents only. Resident population comprises Singapore citizens and permanent residents.  
(2) Data from 2003 onwards exclude residents who have been away from Singapore for a continuous period of 12 months or longer as at the reference period.

**Table 2**  
**POPULATION GROWTH AND VITAL RATES, 1997 - 2016**

Year	Population *	Natural Increase	Live Births	Deaths	Still Births	Infant Mortality	Neonatal Mortality	Perinatal Mortality	Maternal Mortality
1997	18	10.0	14.5	4.5	2.9	3.6	2.2	4.4	4.2
1998	18	8.5	13.1	4.6	3.0	4.1	2.4	4.9	13.7
1999	16	8.3	12.8	4.5	2.9	3.3	1.9	4.2	9.2
2000	14	9.2	13.7	4.5	3.0	2.5	1.5	4.3	17.0
2001	16	7.5	11.8	4.3	2.6	2.2	1.1	3.5	9.6
2002	17	7.0	11.4	4.4	2.8	2.9	1.6	3.9	12.2
2003	16 <sup>1</sup>	6.0	10.5	4.5	2.5	2.5	1.6	3.6	5.3
2004	14	5.9	10.3	4.4	3.1	2.0	1.1	3.8	5.4
2005	16	5.8	10.2	4.4	2.7	2.1	1.3	3.8	13.3
2006	17	5.9	10.3	4.4	2.6	2.6	1.7	3.8	10.4
2007	16	5.9	10.3	4.5	2.3	2.1	1.2	3.1	7.6
2008	17	5.8	10.2	4.4	2.2	2.1	1.3	3.1	7.5
2009	25	5.6	9.9	4.3	2.0	2.2	1.3	3.2	0.0
2010	10	4.9	9.3	4.4	2.6	2.0	1.1	3.5	2.6
2011	5	5.1	9.5	4.5	2.7	2.0	1.3	3.9	7.6
2012	8	5.6	10.1	4.5	2.6	1.8	1.1	3.6	2.3
2013	7	4.6	9.3	4.6	2.0	2.0	1.1	2.8	2.5
2014	7	5.1	9.8	4.7	2.0	1.8	1.1	2.9	2.4
2015	8	4.9	9.7	4.8	2.1	1.7	0.8	2.8	7.1
2016	8	4.6	9.4	4.8	2.2	2.4	1.4	3.0	4.8

\* Source : Singapore Department of Statistics

<sup>1</sup> Annual growth rate between 2002 and 2003 is computed based on unrevised population estimates for 2003.

Note: (1) The annual population growth rate refers to the annual population increase per thousand population.  
The annual population growth rate, natural increase, live births and deaths are based on Singapore residents only.  
Resident population comprises Singapore citizens and permanent residents.  
(2) The crude neonatal mortality rate from 1990 onwards is based on resident live births only.  
(3) The crude maternal mortality rate refers to the number of maternal deaths per hundred thousand live births and still births.

**Table 3**  
**POPULATION BY ETHNIC GROUP, 1997 - 2016**

Year	Total	Chinese	Malays	Indians	Others
1997	3,123,403	2,410,107	436,659	236,431	40,206
1998	3,180,018	2,448,687	443,349	245,774	42,209
1999	3,229,681	2,482,640	449,482	253,304	44,256
2000 (Census)	3,273,363	2,513,847	455,207	257,866	46,443
2001	3,325,902	2,552,077	461,788	262,968	49,069
2002	3,382,944	2,589,525	468,360	271,923	53,136
2003	3,366,891	2,572,607	469,791	269,899	54,594
2004	3,413,266	2,599,813	475,689	278,106	59,658
2005	3,467,814	2,626,723	480,722	291,131	69,238
2006	3,525,894	2,656,358	485,978	303,096	80,462
2007	3,583,082	2,686,997	490,552	313,395	92,138
2008	3,642,659	2,721,779	495,110	323,431	102,339
2009	3,733,876	2,770,303	500,051	343,509	120,013
2010 (Census)	3,771,721	2,793,980	503,868	348,119	125,754
2011	3,789,251	2,808,254	506,637	349,036	125,324
2012	3,818,205	2,831,984	509,519	351,025	125,677
2013	3,844,751	2,853,751	512,837	351,667	126,496
2014	3,870,739	2,874,380	516,657	353,021	126,681
2015	3,902,690	2,900,007	520,923	354,952	126,808
2016	3,933,559	2,923,172	525,888	356,876	127,623

*Source : Singapore Department of Statistics*

- Note: (1) Figures refer to Singapore residents only. Resident population comprises Singapore citizens and permanent residents.  
(2) Figures may not add up to totals due to roundings.  
(3) Data from 2003 onwards exclude residents who have been away from Singapore for a continuous period of 12 months or longer at the reference period.

**Table 4**  
**MALE POPULATION BY ETHNIC GROUP, 1997 - 2016**

Year	Total	Chinese	Malays	Indians	Others
1997	1,565,750	1,202,346	220,418	124,214	18,772
1998	1,591,816	1,219,890	223,404	128,828	19,694
1999	1,614,804	1,235,326	226,306	132,410	20,763
2000 (Census)	1,634,667	1,249,662	228,850	134,337	21,818
2001	1,658,558	1,267,019	231,970	136,485	23,084
2002	1,684,295	1,283,362	235,076	140,768	25,089
2003	1,673,401	1,273,256	235,597	138,642	25,906
2004	1,695,031	1,285,557	238,236	142,754	28,484
2005	1,721,139	1,297,849	240,406	149,621	33,263
2006	1,748,242	1,310,873	242,759	155,938	38,672
2007	1,775,477	1,324,715	244,969	161,484	44,309
2008	1,802,992	1,339,596	247,017	167,149	49,230
2009	1,844,732	1,360,224	249,115	178,129	57,264
2010 (Census)	1,861,133	1,370,083	250,885	180,327	59,838
2011	1,868,170	1,375,665	252,227	180,548	59,730
2012	1,880,046	1,385,606	253,578	180,948	59,914
2013	1,891,504	1,395,183	255,176	180,889	60,256
2014	1,902,410	1,403,927	257,036	181,359	60,088
2015	1,916,628	1,415,303	259,108	182,304	59,913
2016	1,929,526	1,425,244	261,564	182,935	59,783

*Source : Singapore Department of Statistics*

- Note: (1) Figures refer to Singapore residents only. Resident population comprises Singapore citizens and permanent residents.  
(2) Figures may not add up to totals due to roundings.  
(3) Data from 2003 onwards exclude residents who have been away from Singapore for a continuous period of 12 months or longer at the reference period.

**Table 5**  
**FEMALE POPULATION BY ETHNIC GROUP, 1997 - 2016**

Year	Total	Chinese	Malays	Indians	Others
1997	1,557,653	1,207,760	216,241	112,218	21,434
1998	1,588,202	1,228,797	219,945	116,946	22,515
1999	1,614,877	1,247,314	223,176	120,894	23,494
2000 (Census)	1,638,696	1,264,185	226,357	123,529	24,625
2001	1,667,344	1,285,058	229,818	126,483	25,985
2002	1,698,649	1,306,163	233,284	131,155	28,047
2003	1,693,490	1,299,351	234,194	131,257	28,688
2004	1,718,235	1,314,256	237,453	135,352	31,174
2005	1,746,675	1,328,874	240,316	141,510	35,975
2006	1,777,652	1,345,485	243,219	147,158	41,790
2007	1,807,605	1,362,282	245,583	151,911	47,829
2008	1,839,667	1,382,183	248,093	156,282	53,109
2009	1,889,144	1,410,079	250,936	165,380	62,749
2010 (Census)	1,910,588	1,423,897	252,983	167,792	65,916
2011	1,921,081	1,432,589	254,410	168,488	65,594
2012	1,938,159	1,446,378	255,941	170,077	65,763
2013	1,953,247	1,458,568	257,661	170,778	66,240
2014	1,968,329	1,470,453	259,621	171,662	66,593
2015	1,986,062	1,484,704	261,815	172,648	66,895
2016	2,004,033	1,497,928	264,324	173,941	67,840

*Source : Singapore Department of Statistics*

- Note: (1) Figures refer to Singapore residents only. Resident population comprises Singapore citizens and permanent residents.  
(2) Figures may not add up to totals due to roundings.  
(3) Data from 2003 onwards exclude residents who have been away from Singapore for a continuous period of 12 months or longer at the reference period.

**Table 6**  
**SEX RATIO OF POPULATION BY ETHNIC GROUP, 1997 - 2016**  
**(Males Per Thousand Females)**

Year	Total	Chinese	Malays	Indians	Others
1997	1,005	996	1,019	1,107	876
1998	1,002	993	1,016	1,102	875
1999	1,000	990	1,014	1,095	884
2000 (Census)	998	989	1,011	1,087	886
2001	995	986	1,009	1,079	888
2002	992	983	1,008	1,073	895
2003	988	980	1,006	1,056	903
2004	986	978	1,003	1,055	914
2005	985	977	1,000	1,057	925
2006	983	974	998	1,060	925
2007	982	972	997	1,063	926
2008	980	969	996	1,070	927
2009	976	965	993	1,077	913
2010 (Census)	974	962	992	1,075	908
2011	972	960	991	1,072	911
2012	970	958	991	1,064	911
2013	968	957	990	1,059	910
2014	967	955	990	1,056	902
2015	965	953	990	1,056	896
2016	963	951	990	1,052	881

*Source : Singapore Department of Statistics*

- Note: (1) Figures refer to Singapore residents only. Resident population comprises Singapore citizens and permanent residents.  
(2) Data from 2003 onwards exclude residents who have been away from Singapore for a continuous period of 12 months or longer at the reference period.

**Table 7**  
**NATURAL INCREASE BY ETHNIC GROUP, 1997 - 2016**

Year	Total	Chinese	Malays	Indians	Others
1997	32,028	20,599	6,574	2,675	2,180
1998	28,007	16,819	6,346	2,608	2,234
1999	27,820	17,205	5,838	2,451	2,326
2000	31,304	20,066	6,082	2,633	2,523
2001	26,084	15,311	5,687	2,537	2,549
2002	24,940	14,678	5,027	2,704	2,531
2003	21,449	12,069	4,404	2,474	2,502
2004	21,314	11,923	4,320	2,390	2,681
2005	21,277	12,018	4,123	2,516	2,620
2006	21,924	12,231	4,151	2,588	2,954
2007	22,350	12,510	3,731	2,678	3,431
2008	22,604	12,242	3,862	2,703	3,797
2009	22,469	11,982	3,564	2,837	4,086
2010	20,357	9,954	3,176	3,003	4,224
2011	21,627	11,134	3,118	2,972	4,403
2012	24,182	12,648	3,376	3,287	4,871
2013	20,782	9,456	3,438	3,222	4,666
2014	22,839	11,292	3,713	3,168	4,666
2015	22,323	10,456	4,092	3,350	4,425
2016	21,234	9,727	4,305	2,842	4,360

**Table 8**  
**CRUDE RATES OF NATURAL INCREASE BY ETHNIC GROUP, 1997 - 2016**

Year	Total	Chinese	Malays	Indians	Others
1997	10.0	8.6	15.2	11.7	25.1
1998	8.5	6.9	14.5	11.0	23.1
1999	8.3	7.0	13.1	9.9	23.6
2000	9.2	8.0	13.5	10.2	24.3
2001	7.5	6.1	12.4	9.5	22.9
2002	7.0	5.7	10.9	9.6	21.3
2003	6.0	4.8	9.6	8.9	21.7
2004	5.9	4.6	9.3	8.5	22.2
2005	5.8	4.6	8.8	8.6	19.8
2006	5.9	4.7	8.7	8.4	20.5
2007	5.9	4.7	7.9	8.4	20.9
2008	5.8	4.5	8.1	8.0	21.3
2009	5.6	4.4	7.4	7.9	20.0
2010	4.9	3.6	6.6	8.2	19.1
2011	5.1	4.0	6.3	7.5	18.8
2012	5.6	4.4	6.9	8.0	20.1
2013	4.6	3.3	6.9	7.6	18.0
2014	5.1	3.9	7.4	7.3	17.5
2015	4.9	3.6	8.1	7.3	15.9
2016	4.6	3.3	8.4	6.0	14.9

Note: The crude rate of natural increase is based on Singapore residents only.



**Table 9**  
**LIVE - BIRTHS BY ETHNIC GROUP, 1997 - 2016**

<b>Year</b>	<b>Total</b>	<b>Chinese</b>	<b>Malays</b>	<b>Indians</b>	<b>Others</b>
1997	47,333	32,285	8,627	3,833	2,588
1998	43,664	28,641	8,476	3,885	2,662
1999	43,336	28,973	7,994	3,651	2,718
2000	46,997	31,967	8,309	3,850	2,871
2001	41,451	27,063	7,816	3,712	2,860
2002	40,760	26,782	7,268	3,815	2,895
2003	37,485	24,326	6,697	3,632	2,830
2004	37,174	24,060	6,573	3,541	3,000
2005	37,492	24,313	6,511	3,672	2,996
2006	38,317	24,646	6,491	3,843	3,337
2007	39,490	25,390	6,252	3,994	3,854
2008	39,826	25,331	6,305	4,014	4,176
2009	39,570	24,799	6,053	4,196	4,522
2010	37,967	23,303	5,711	4,285	4,668
2011	39,654	24,691	5,719	4,376	4,868
2012	42,663	26,760	5,908	4,672	5,323
2013	39,720	23,890	6,067	4,648	5,115
2014	42,232	25,958	6,468	4,678	5,128
2015	42,185	25,412	6,961	4,895	4,917
2016	41,251	24,749	7,143	4,499	4,860

**Table 10**  
**CRUDE BIRTH RATES BY ETHNIC GROUP, 1997 - 2016**

<b>Year</b>	<b>Total</b>	<b>Chinese</b>	<b>Malays</b>	<b>Indians</b>	<b>Others</b>
1997	14.5	13.3	19.6	15.7	28.6
1998	13.1	11.6	18.9	15.3	27.5
1999	12.8	11.5	17.6	13.9	27.7
2000	13.7	12.6	18.1	14.1	27.9
2001	11.8	10.5	16.8	13.3	26.1
2002	11.4	10.2	15.3	13.2	25.2
2003	10.5	9.4	14.1	12.7	24.8
2004	10.3	9.2	13.7	12.1	24.8
2005	10.2	9.1	13.4	12.0	22.5
2006	10.3	9.2	13.2	12.0	23.0
2007	10.3	9.3	12.6	11.9	22.9
2008	10.2	9.2	12.6	11.3	23.1
2009	9.9	8.8	12.0	11.2	21.5
2010	9.3	8.2	11.2	11.3	20.8
2011	9.5	8.6	11.1	10.8	20.4
2012	10.1	9.2	11.5	11.2	21.5
2013	9.3	8.2	11.7	11.0	19.6
2014	9.8	8.8	12.4	10.8	19.3
2015	9.7	8.6	13.3	10.9	17.9
2016	9.4	8.2	13.5	9.9	16.9

Note: The crude birth rate is based on Singapore residents only.

**Table 11**  
**DEATHS BY ETHNIC GROUP, 1997 - 2016**

<b>Year</b>	<b>Total</b>	<b>Chinese</b>	<b>Malays</b>	<b>Indians</b>	<b>Others</b>
1997	15,305	11,686	2,053	1,158	408
1998	15,657	11,822	2,130	1,277	428
1999	15,516	11,768	2,156	1,200	392
2000	15,693	11,901	2,227	1,217	348
2001	15,367	11,752	2,129	1,175	311
2002	15,820	12,104	2,241	1,111	364
2003	16,036	12,257	2,293	1,158	328
2004	15,860	12,137	2,253	1,151	319
2005	16,215	12,295	2,388	1,156	376
2006	16,393	12,415	2,340	1,255	383
2007	17,140	12,880	2,521	1,316	423
2008	17,222	13,089	2,443	1,311	379
2009	17,101	12,817	2,489	1,359	436
2010	17,610	13,349	2,535	1,282	444
2011	18,027	13,557	2,601	1,404	465
2012	18,481	14,112	2,532	1,385	452
2013	18,938	14,434	2,629	1,426	449
2014	19,393	14,666	2,755	1,510	462
2015	19,862	14,956	2,869	1,545	492
2016	20,017	15,022	2,838	1,657	500

**Table 12**  
**CRUDE DEATH RATES BY ETHNIC GROUP, 1997 - 2016**

<b>Year</b>	<b>Total</b>	<b>Chinese</b>	<b>Malays</b>	<b>Indians</b>	<b>Others</b>
1997	4.5	4.6	4.4	4.0	3.5
1998	4.6	4.6	4.5	4.3	4.3
1999	4.5	4.5	4.5	4.0	4.1
2000	4.5	4.6	4.6	4.0	3.6
2001	4.3	4.4	4.3	3.8	3.2
2002	4.4	4.5	4.5	3.6	3.9
2003	4.5	4.6	4.5	3.8	3.1
2004	4.4	4.5	4.3	3.6	2.6
2005	4.4	4.5	4.6	3.5	2.7
2006	4.4	4.5	4.4	3.6	2.4
2007	4.5	4.6	4.7	3.5	2.0
2008	4.4	4.6	4.6	3.4	1.8
2009	4.3	4.5	4.6	3.3	1.5
2010	4.4	4.6	4.6	3.1	1.7
2011	4.5	4.7	4.8	3.3	1.6
2012	4.5	4.8	4.6	3.2	1.4
2013	4.6	4.9	4.8	3.3	1.6
2014	4.7	4.9	5.0	3.5	1.9
2015	4.8	5.0	5.1	3.6	2.0
2016	4.8	5.0	5.1	3.8	2.0

Note: The crude death rate is based on Singapore residents only.

**Table 13**  
**INFANT DEATHS BY ETHNIC GROUP, 1997 - 2016**

<b>Year</b>	<b>Total</b>	<b>Chinese</b>	<b>Malays</b>	<b>Indians</b>	<b>Others</b>
1997	179	108	47	20	4
1998	183	108	45	23	7
1999	150	93	30	18	9
2000	137	77	42	9	9
2001	100	50	33	12	5
2002	123	70	31	18	4
2003	100	56	22	15	7
2004	82	34	32	12	4
2005	95	54	21	12	8
2006	117	65	30	14	8
2007	94	55	27	9	3
2008	104	52	29	15	8
2009	102	46	36	14	6
2010	100	52	23	15	10
2011	97	52	29	8	8
2012	98	55	23	7	13
2013	94	38	33	13	10
2014	83	47	23	8	5
2015	84	43	27	11	3
2016	101	45	38	11	7

**Table 14**  
**INFANT MORTALITY RATES BY ETHNIC GROUP, 1997 - 2016**

<b>Year</b>	<b>Total</b>	<b>Chinese</b>	<b>Malays</b>	<b>Indians</b>	<b>Others</b>
1997	3.6	3.2	5.0	4.6	0.9
1998	4.1	3.7	5.0	6.1	1.7
1999	3.3	3.1	3.4	5.1	2.4
2000	2.5	2.0	4.7	2.2	2.3
2001	2.2	1.7	4.0	3.1	0.8
2002	2.9	2.5	3.8	4.8	1.5
2003	2.5	2.2	3.2	4.1	1.5
2004	2.0	1.3	4.5	3.3	0.0
2005	2.1	1.8	3.1	2.0	2.6
2006	2.6	2.3	3.9	3.6	0.5
2007	2.1	1.9	4.2	1.1	0.0
2008	2.1	1.6	4.3	2.7	0.8
2009	2.2	1.5	5.3	3.1	0.0
2010	2.0	1.8	3.4	2.3	0.8
2011	2.0	1.7	4.3	1.8	0.0
2012	1.8	1.7	3.3	1.5	0.7
2013	2.0	1.4	5.0	2.1	0.4
2014	1.8	1.7	3.1	1.0	0.8
2015	1.7	1.4	3.6	1.3	0.0
2016	2.4	1.7	4.6	2.3	1.9

Note: The infant mortality rate is based on resident live births only.

**Table 15**  
**LIVE BIRTHS BY ETHNIC GROUP OF FATHER AND SEX OF CHILD,**  
**JANUARY - DECEMBER, 2016**

Month	Total			Chinese		Malays		Indians		Others	
	Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Total	41,251	21,315	19,936	12,750	11,999	3,701	3,442	2,355	2,144	2,509	2,351
January	3,310	1,690	1,620	1,021	980	287	253	177	192	205	195
February	3,104	1,549	1,555	905	974	271	235	167	158	206	188
March	3,513	1,854	1,659	1,085	1,012	288	274	219	183	262	190
April	3,370	1,736	1,634	1,043	977	278	281	197	184	218	192
May	3,412	1,798	1,614	1,068	966	310	264	208	191	212	193
June	3,496	1,801	1,695	1,081	973	312	316	187	176	221	230
July	3,449	1,833	1,616	1,100	1,002	339	260	205	173	189	181
August	3,489	1,804	1,685	1,065	968	331	326	193	199	215	192
September	3,684	1,864	1,820	1,143	1,115	326	300	191	192	204	213
October	3,549	1,875	1,674	1,109	993	350	324	214	171	202	186
November	3,465	1,754	1,711	1,068	1,013	317	316	190	180	179	202
December	3,410	1,757	1,653	1,062	1,026	292	293	207	145	196	189

**Table 16**  
**LIVE BIRTHS BY ETHNIC GROUP OF FATHER AND MOTHER, 2016**

Ethnic Group of Father	Total	Ethnic Group of Mother			
		Chinese	Malays	Indians	Others
Total	41,251	24,487	7,506	4,047	5,211
Chinese	24,749	22,887	219	60	1,583
Malays	7,143	273	6,228	397	245
Indians	4,499	266	614	3,431	188
Others	4,860	1,061	445	159	3,195

**Table 17**  
**LIVE BIRTHS BY PLACE OF OCCURRENCE AND ETHNIC GROUP OF MOTHER, 2016**

Place of Occurrence	Total	Ethnic Group of Mother			
		Chinese	Malays	Indians	Others
Total	41,251	24,487	7,506	4,047	5,211
Public Sector Hospitals	17,895	7,559	5,879	2,586	1,871
Private Sector Hospitals	23,191	16,883	1,551	1,451	3,306
Residence	124	36	51	7	30
Other Locations	41	9	25	3	4

**Table 18**  
**LIVE BIRTHS BY ATTENDANT AT BIRTH AND ETHNIC GROUP OF MOTHER, 2016**

Attendant at Birth	Total	Ethnic Group of Mother			
		Chinese	Malays	Indians	Others
Total	41,251	24,487	7,506	4,047	5,211
Doctor in Public Sector Hospitals	15,517	6,934	4,542	2,365	1,676
Doctor in Private Sector Hospitals	23,222	16,893	1,552	1,453	3,324
Ambulance Officer / Paramedic	16	5	9	2	-
Midwife or Nurse in Public Sector Hospitals	2,379	626	1,337	221	195
Midwife or Nurse in Private Sector Hospitals	4	1	-	-	3
Delivery without aid of doctor, midwife or nurse	113	28	66	6	13
Unknown	-	-	-	-	-

**Table 19**  
**LIVE BIRTHS BY AGE, ETHNIC GROUP OF MOTHER AND SEX OF CHILD, 2016**

Mother's Age (years)	Total			Chinese		Malays		Indians		Others	
	Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Total	41,251	21,315	19,936	12,599	11,888	3,900	3,606	2,119	1,928	2,697	2,514
Under 15	8	2	6	-	2	2	3	-	-	-	1
15	24	16	8	2	2	13	6	1	-	-	-
16	25	15	10	7	3	8	6	-	-	-	1
17	54	22	32	4	10	16	15	2	6	-	1
18	69	30	39	8	15	18	15	1	5	3	4
19	152	76	76	22	27	35	34	10	5	9	10
20	186	90	96	31	38	39	42	15	10	5	6
21	283	145	138	59	50	54	59	17	12	15	17
22	412	207	205	67	79	83	78	32	21	25	27
23	596	320	276	127	98	122	106	33	32	38	40
24	814	422	392	150	151	175	158	48	39	49	44
25	1,135	589	546	234	212	223	214	63	56	69	64
26	1,581	808	773	355	352	285	265	81	69	87	87
27	2,153	1,140	1,013	607	534	322	279	103	101	108	99
28	2,774	1,453	1,321	828	760	349	291	151	149	125	121
29	2,916	1,512	1,404	882	824	308	286	161	143	161	151
30	3,220	1,680	1,540	1,040	943	280	276	187	166	173	155
31	3,691	1,936	1,755	1,209	1,149	305	251	205	166	217	189
32	3,565	1,823	1,742	1,162	1,094	244	239	195	170	222	239
33	3,511	1,819	1,692	1,156	1,095	232	207	195	181	236	209
34	3,134	1,622	1,512	1,005	1,007	208	169	176	140	233	196
35	2,761	1,413	1,348	922	856	145	158	132	144	214	190
36	2,341	1,190	1,151	769	752	107	123	114	95	200	181
37	1,811	922	889	578	547	104	104	73	81	167	157
38	1,355	668	687	438	444	74	70	36	46	120	127
39	991	504	487	340	344	57	58	32	27	75	58
40	683	342	341	239	217	28	40	23	17	52	67
41	452	237	215	151	137	28	23	15	19	43	36
42	257	158	99	107	59	15	12	9	13	27	15
43	151	78	73	55	49	12	12	2	5	9	7
44	77	36	41	21	26	5	5	1	4	9	6
45	37	22	15	13	7	2	1	3	4	4	3
46	16	6	10	4	4	-	1	2	2	-	3
47	5	3	2	1	-	2	-	-	-	-	2
48	2	2	-	1	-	-	-	1	-	-	-
49	3	2	1	2	-	-	-	-	-	-	1
>=50	6	5	1	3	1	-	-	-	-	2	-
Unknown	-	-	-	-	-	-	-	-	-	-	-

**Table 20**  
**LIVE BIRTHS BY AGE GROUP, ETHNIC GROUP**  
**OF MOTHER AND BIRTH ORDER, 2016**

Age Group of Mother (years)	Total	Birth Order									
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th & over	Un-known
<b>Total</b>											
Total	41,251	19,392	14,913	4,927	1,378	434	125	45	20	17	-
Under 15	8	8	-	-	-	-	-	-	-	-	-
15 - 19	324	273	46	5	-	-	-	-	-	-	-
20 - 24	2,291	1,486	567	173	49	14	2	-	-	-	-
25 - 29	10,559	6,708	2,829	685	223	86	17	9	1	1	-
30 - 34	17,121	7,687	6,842	1,903	473	140	47	14	10	5	-
35 - 39	9,259	2,747	4,014	1,796	491	143	44	12	5	7	-
40 - 44	1,620	455	593	358	132	49	15	10	4	4	-
45 - 49	63	28	20	5	8	2	-	-	-	-	-
50 - 54	4	-	2	1	1	-	-	-	-	-	-
>= 55	2	-	-	1	1	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Chinese</b>											
Total	24,487	12,284	9,160	2,483	463	75	14	5	2	1	-
Under 15	2	2	-	-	-	-	-	-	-	-	-
15 - 19	100	92	8	-	-	-	-	-	-	-	-
20 - 24	850	597	202	45	6	-	-	-	-	-	-
25 - 29	5,588	3,977	1,342	217	46	6	-	-	-	-	-
30 - 34	10,860	5,330	4,441	922	137	24	4	1	1	-	-
35 - 39	5,990	1,933	2,752	1,062	202	33	7	1	-	-	-
40 - 44	1,061	342	400	234	65	12	3	3	1	1	-
45 - 49	32	11	14	2	5	-	-	-	-	-	-
50 - 54	2	-	1	1	1	-	-	-	-	-	-
>= 55	2	-	-	1	1	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Malays</b>											
Total	7,506	2,848	2,160	1,363	681	293	94	36	17	14	-
Under 15	5	5	-	-	-	-	-	-	-	-	-
15 - 19	166	130	32	4	-	-	-	-	-	-	-
20 - 24	916	514	240	107	41	12	2	-	-	-	-
25 - 29	2,822	1,446	829	300	149	71	16	9	1	1	-
30 - 34	2,411	589	811	599	255	97	34	12	9	5	-
35 - 39	1,000	149	213	308	194	85	31	9	4	7	-
40 - 44	180	14	34	43	41	27	11	6	3	1	-
45 - 49	6	1	1	2	1	1	-	-	-	-	-
50 - 54	-	-	-	-	-	-	-	-	-	-	-
>= 55	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Indians</b>											
Total	4,047	1,747	1,693	432	119	39	12	3	1	1	-
Under 15	-	-	-	-	-	-	-	-	-	-	-
15 - 19	30	25	4	1	-	-	-	-	-	-	-
20 - 24	259	175	68	13	1	2	-	-	-	-	-
25 - 29	1,077	638	330	83	18	7	1	-	-	-	-
30 - 34	1,781	697	844	178	43	10	8	1	-	-	-
35 - 39	780	178	402	133	46	16	3	1	1	-	-
40 - 44	108	26	41	24	11	4	-	1	-	1	-
45 - 49	12	8	4	-	-	-	-	-	-	-	-
50 - 54	-	-	-	-	-	-	-	-	-	-	-
>= 55	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Others</b>											
Total	5,211	2,513	1,900	649	115	27	5	1	-	1	-
Under 15	1	1	-	-	-	-	-	-	-	-	-
15 - 19	28	26	2	-	-	-	-	-	-	-	-
20 - 24	266	200	57	8	1	-	-	-	-	-	-
25 - 29	1,072	647	328	85	10	2	-	-	-	-	-
30 - 34	2,069	1,071	746	204	38	9	1	-	-	-	-
35 - 39	1,489	487	647	293	49	9	3	1	-	-	-
40 - 44	271	73	118	57	15	6	1	-	-	1	-
45 - 49	13	8	1	1	2	1	-	-	-	-	-
50 - 54	2	-	1	1	-	-	-	-	-	-	-
>= 55	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-

**Table 21**  
**LIVE BIRTHS BY OCCUPATION OF MOTHER AND BIRTH ORDER, 2016**

Occupation of Mother	Total	Birth Order									
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th & over	Unknown
Total	41,251	19,392	14,913	4,927	1,378	434	125	45	20	17	-
<i>Working</i>	29,511	14,717	10,652	3,195	739	156	42	8	1	1	-
Legislators, Senior Officials & Managers	3,135	1,538	1,203	316	65	12	1	-	-	-	-
Professionals	8,199	4,343	2,994	732	112	15	3	-	-	-	-
Technicians & Associate Professionals	13,310	6,885	4,796	1,324	250	42	11	2	-	-	-
Clerical Workers	1,716	657	597	311	121	23	5	1	1	-	-
Service Workers, Shop & Market Sales Workers	2,869	1,183	962	467	169	63	19	5	-	1	-
Agricultural & Fishery Workers	3	1	2	-	-	-	-	-	-	-	-
Production Craftsmen & Related Workers	84	34	35	7	7	-	1	-	-	-	-
Plant & Machine Operators & Assemblers	26	13	6	4	2	-	1	-	-	-	-
Cleaners, Labourers & Related Workers	24	4	9	7	3	-	1	-	-	-	-
Workers Not Classifiable by Occupation	145	59	48	27	10	1	-	-	-	-	-
<i>Not Working</i>	11,740	4,675	4,261	1,732	639	278	83	37	19	16	-



**Table 22**  
**LIVE BIRTHS BY NATIONALITY OF FATHER AND MOTHER, 2016**

Nationality of Father	Total	Nationality of Mother										
		Singaporean	Other Nationalities (PR and Foreigners)									
			Malaysian	Indonesian	Other ASEAN Countries	Indian, Pakistani, Bangladeshi & Sri Lankan	PRC National	Japanese	Australian	British	American	Others
<b>Total</b>	41,251	26,165	3,044	1,141	2,673	1,936	3,433	420	318	385	249	1,487
<b>Singaporean</b>	29,718	22,716	2,119	597	1,563	195	2,143	59	34	20	25	247
<b>Other Nationalities (PR and Foreigners)</b>												
Malaysian	2,386	1,358	789	44	37	2	128	4	2	5	4	13
Indonesian	577	125	11	416	7	-	6	1	3	1	2	5
Other ASEAN Countries	964	86	5	3	854	-	9	1	1	1	-	4
Indian, Pakistani, Bangladeshi & Sri Lankan	2,069	281	7	8	17	1,712	6	2	1	4	10	21
PRC National	1,505	478	11	2	2	-	1,001	2	2	1	1	5
Japanese	340	21	1	-	3	-	11	298	-	3	-	3
Australian	425	120	10	9	20	2	12	3	204	7	6	32
British	665	139	22	8	32	7	21	10	30	281	16	99
American	384	86	10	11	39	5	14	9	7	10	150	43
Others	2,218	755	59	43	99	13	82	31	34	52	35	1,015

**Table 23**  
**LIVE BIRTHS BY EDUCATIONAL QUALIFICATION,**  
**ETHNIC GROUP OF MOTHER AND BIRTH ORDER, 2016**

Educational Qualification of Mother	Total	Birth Order									
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th & over	Un-known
<b>Total</b>											
Total	41,251	19,392	14,913	4,927	1,378	434	125	45	20	17	-
No Qualification	735	234	255	118	75	32	10	4	6	1	-
Primary	2,157	790	703	333	176	94	33	12	9	7	-
Secondary	5,485	2,046	1,740	1,010	436	174	47	21	4	7	-
Post Secondary	9,956	4,697	3,508	1,292	353	76	23	6	-	1	-
University	22,916	11,625	8,707	2,172	338	58	12	2	1	1	-
Unknown	2	-	-	2	-	-	-	-	-	-	-
<b>Chinese</b>											
Total	24,487	12,284	9,160	2,483	463	75	14	5	2	1	-
No Qualification	163	61	68	21	10	2	1	-	-	-	-
Primary	931	390	342	136	44	11	3	3	1	1	-
Secondary	2,191	952	781	340	98	17	2	1	-	-	-
Post Secondary	5,697	2,813	2,146	608	109	19	2	-	-	-	-
University	15,505	8,068	5,823	1,378	202	26	6	1	1	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Malays</b>											
Total	7,506	2,848	2,160	1,363	681	293	94	36	17	14	-
No Qualification	232	46	59	40	44	25	7	4	6	1	-
Primary	699	172	171	121	111	75	28	8	7	6	-
Secondary	2,642	854	738	554	292	137	39	18	4	6	-
Post Secondary	2,619	1,152	769	460	171	43	17	6	-	1	-
University	1,313	624	423	187	63	13	3	-	-	-	-
Unknown	1	-	-	1	-	-	-	-	-	-	-
<b>Indians</b>											
Total	4,047	1,747	1,693	432	119	39	12	3	1	1	-
No Qualification	46	9	16	9	7	3	2	-	-	-	-
Primary	138	48	49	26	10	3	1	-	1	-	-
Secondary	498	190	159	85	37	18	6	2	-	1	-
Post Secondary	838	356	313	115	43	8	3	-	-	-	-
University	2,527	1,144	1,156	197	22	7	-	1	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Others</b>											
Total	5,211	2,513	1,900	649	115	27	5	1	-	1	-
No Qualification	294	118	112	48	14	2	-	-	-	-	-
Primary	389	180	141	50	11	5	1	1	-	-	-
Secondary	154	50	62	31	9	2	-	-	-	-	-
Post Secondary	802	376	280	109	30	6	1	-	-	-	-
University	3,571	1,789	1,305	410	51	12	3	-	-	1	-
Unknown	1	-	-	1	-	-	-	-	-	-	-

**Table 24**  
**LIVE BIRTHS BY AGE GROUP, ETHNIC GROUP**  
**AND EDUCATIONAL QUALIFICATION OF MOTHER, 2016**

Age Group of Mother (years)	Total	Educational Qualification of Mother					
		No Qualification	Primary	Secondary	Post Secondary	University	Unknown
<b>Total</b>							
Total	41,251	735	2,157	5,485	9,956	22,916	2
Under 15	8	-	8	-	-	-	-
15 - 19	324	8	133	183	-	-	-
20 - 24	2,291	93	344	886	796	172	-
25 - 29	10,559	210	661	1,712	3,281	4,695	-
30 - 34	17,121	224	561	1,602	3,629	11,104	1
35 - 39	9,259	151	350	882	1,907	5,968	1
40 - 44	1,620	47	96	214	327	936	-
45 - 49	63	2	3	6	13	39	-
50 - 54	4	-	1	-	1	2	-
>= 55	2	-	-	-	2	-	-
Unknown	-	-	-	-	-	-	-
<b>Chinese</b>							
Total	24,487	163	931	2,191	5,697	15,505	-
Under 15	2	-	2	-	-	-	-
15 - 19	100	2	31	67	-	-	-
20 - 24	850	19	112	279	366	74	-
25 - 29	5,588	40	283	591	1,544	3,130	-
30 - 34	10,860	46	267	671	2,225	7,651	-
35 - 39	5,990	38	185	464	1,312	3,991	-
40 - 44	1,061	17	50	117	239	638	-
45 - 49	32	1	-	2	8	21	-
50 - 54	2	-	1	-	1	-	-
>= 55	2	-	-	-	2	-	-
Unknown	-	-	-	-	-	-	-
<b>Malays</b>							
Total	7,506	232	699	2,642	2,619	1,313	1
Under 15	5	-	5	-	-	-	-
15 - 19	166	4	80	82	-	-	-
20 - 24	916	21	125	492	241	37	-
25 - 29	2,822	64	181	925	1,150	502	-
30 - 34	2,411	66	178	747	878	542	-
35 - 39	1,000	58	103	320	310	208	1
40 - 44	180	18	25	75	38	24	-
45 - 49	6	1	2	1	2	-	-
50 - 54	-	-	-	-	-	-	-
>= 55	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-
<b>Indians</b>							
Total	4,047	46	138	498	838	2,527	-
Under 15	-	-	-	-	-	-	-
15 - 19	30	-	8	22	-	-	-
20 - 24	259	3	32	90	95	39	-
25 - 29	1,077	14	42	151	328	542	-
30 - 34	1,781	15	24	136	280	1,326	-
35 - 39	780	10	19	84	119	548	-
40 - 44	108	4	12	13	15	64	-
45 - 49	12	-	1	2	1	8	-
50 - 54	-	-	-	-	-	-	-
>= 55	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-
<b>Others</b>							
Total	5,211	294	389	154	802	3,571	1
Under 15	1	-	1	-	-	-	-
15 - 19	28	2	14	12	-	-	-
20 - 24	266	50	75	25	94	22	-
25 - 29	1,072	92	155	45	259	521	-
30 - 34	2,069	97	92	48	246	1,585	1
35 - 39	1,489	45	43	14	166	1,221	-
40 - 44	271	8	9	9	35	210	-
45 - 49	13	-	-	1	2	10	-
50 - 54	2	-	-	-	-	2	-
>= 55	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-

**Table 25**  
**MOTHERS BY AGE GROUP AND TYPE OF BIRTH, 2016**

Age Group of Mother (years)	Total Number of Mothers	Type of Birth					Unknown
		Single Births	Twins		Triplets	Quadruplets	
			2 Live Births	1 Live Birth & 1 Still Birth	3 Live Births	4 Live Births	
Total	40,678	40,109	557	4	8	-	-
Under 15	8	8	-	-	-	-	-
15 - 19	323	322	1	-	-	-	-
20 - 24	2,271	2,251	20	-	-	-	-
25 - 29	10,473	10,386	86	1	-	-	-
30 - 34	16,868	16,620	241	1	6	-	-
35 - 39	9,084	8,909	171	2	2	-	-
40 - 44	1,587	1,554	33	-	-	-	-
45 - 49	59	55	4	-	-	-	-
50 - 54	4	4	-	-	-	-	-
>= 55	1	-	1	-	-	-	-
Unknown	-	-	-	-	-	-	-

**Table 26**  
**LIVE BIRTHS BY BIRTH WEIGHT, AGE GROUP OF MOTHER**  
**AND SEX OF CHILD, 2016**

Birth Weight (grammes)	Total	Age Group of Mother (years)										Un- known
		Under 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	>= 55	
<b>Total</b>												
Total	41,251	8	324	2,291	10,559	17,121	9,259	1,620	63	4	2	-
Under 1,000	113	-	2	3	26	50	22	8	2	-	-	-
1,000 - 1,499	194	1	9	9	41	62	53	17	2	-	-	-
1,500 - 1,999	578	-	3	38	112	231	161	29	2	-	2	-
2,000 - 2,499	2,792	1	32	198	721	1,034	663	135	8	-	-	-
2,500 - 2,999	12,959	5	126	834	3,434	5,269	2,813	460	16	2	-	-
3,000 - 3,499	18,091	1	130	932	4,677	7,700	3,945	682	24	-	-	-
3,500 - 3,999	5,810	-	21	254	1,419	2,474	1,379	254	9	-	-	-
4,000 - 4,499	664	-	1	22	124	276	205	34	-	2	-	-
4,500 - 4,999	44	-	-	1	4	22	16	1	-	-	-	-
5,000 & over	6	-	-	-	1	3	2	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-
<b>Males</b>												
Total	21,315	2	159	1,184	5,502	8,880	4,697	851	35	3	2	-
Under 1,000	49	-	1	2	15	17	10	4	-	-	-	-
1,000 - 1,499	105	1	4	3	23	36	24	12	2	-	-	-
1,500 - 1,999	300	-	2	26	49	126	82	12	1	-	2	-
2,000 - 2,499	1,316	1	17	95	326	485	321	66	5	-	-	-
2,500 - 2,999	5,997	-	56	402	1,631	2,404	1,273	221	9	1	-	-
3,000 - 3,499	9,562	-	68	493	2,519	4,084	2,019	366	13	-	-	-
3,500 - 3,999	3,516	-	11	149	847	1,528	822	154	5	-	-	-
4,000 - 4,499	435	-	-	13	89	183	132	16	-	2	-	-
4,500 - 4,999	31	-	-	1	2	16	12	-	-	-	-	-
5,000 & over	4	-	-	-	1	1	2	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-
<b>Females</b>												
Total	19,936	6	165	1,107	5,057	8,241	4,562	769	28	1	-	-
Under 1,000	64	-	1	1	11	33	12	4	2	-	-	-
1,000 - 1,499	89	-	5	6	18	26	29	5	-	-	-	-
1,500 - 1,999	278	-	1	12	63	105	79	17	1	-	-	-
2,000 - 2,499	1,476	-	15	103	395	549	342	69	3	-	-	-
2,500 - 2,999	6,962	5	70	432	1,803	2,865	1,540	239	7	1	-	-
3,000 - 3,499	8,529	1	62	439	2,158	3,616	1,926	316	11	-	-	-
3,500 - 3,999	2,294	-	10	105	572	946	557	100	4	-	-	-
4,000 - 4,499	229	-	1	9	35	93	73	18	-	-	-	-
4,500 - 4,999	13	-	-	-	2	6	4	1	-	-	-	-
5,000 & over	2	-	-	-	-	2	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-

**Table 27**  
**LIVE BIRTHS (SINGLE BIRTHS) BY PERIOD OF GESTATION, BIRTH WEIGHT**  
**AND SEX OF CHILD, 2016**

Period of Gestation (weeks)	Total	Birth Weight (grammes)									
		Under 1,000	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 & over	Un-known
<b>Total</b>											
Total	40,109	93	138	375	2,334	12,611	18,036	5,808	664	50	-
Under 28	89	72	17	-	-	-	-	-	-	-	-
28	30	8	19	3	-	-	-	-	-	-	-
29	41	10	27	2	2	-	-	-	-	-	-
30	42	2	23	17	-	-	-	-	-	-	-
31	68	-	18	44	6	-	-	-	-	-	-
32	93	-	20	51	18	4	-	-	-	-	-
33	141	1	8	49	74	9	-	-	-	-	-
34	288	-	3	62	157	56	9	1	-	-	-
35	584	-	2	52	276	206	43	5	-	-	-
36	1,363	-	1	49	353	694	240	24	1	1	-
37	5,657	-	-	31	669	2,707	1,884	313	46	7	-
38	12,946	-	-	12	532	4,780	6,028	1,443	137	14	-
39	11,854	-	-	2	195	3,021	6,192	2,202	233	9	-
40	6,287	-	-	1	47	1,051	3,370	1,613	196	9	-
41	575	-	-	-	5	73	254	190	45	8	-
42 & over	50	-	-	-	-	9	16	17	6	2	-
Unknown	1	-	-	-	-	1	-	-	-	-	-
<b>Males</b>											
Total	20,737	41	75	203	1,106	5,795	9,533	3,514	435	35	-
Under 28	47	33	14	-	-	-	-	-	-	-	-
28	9	2	5	2	-	-	-	-	-	-	-
29	25	4	18	2	1	-	-	-	-	-	-
30	21	1	9	11	-	-	-	-	-	-	-
31	51	-	12	33	6	-	-	-	-	-	-
32	45	-	8	24	10	3	-	-	-	-	-
33	73	1	7	20	40	5	-	-	-	-	-
34	169	-	1	33	96	34	4	1	-	-	-
35	329	-	1	29	147	123	26	3	-	-	-
36	796	-	-	26	178	418	159	14	-	1	-
37	3,056	-	-	16	317	1,361	1,131	191	33	7	-
38	6,847	-	-	6	216	2,201	3,391	926	98	9	-
39	5,948	-	-	-	79	1,221	3,128	1,357	155	8	-
40	3,036	-	-	1	13	393	1,580	923	120	6	-
41	261	-	-	-	3	32	109	89	25	3	-
42 & over	23	-	-	-	-	3	5	10	4	1	-
Unknown	1	-	-	-	-	1	-	-	-	-	-
<b>Females</b>											
Total	19,372	52	63	172	1,228	6,816	8,503	2,294	229	15	-
Under 28	42	39	3	-	-	-	-	-	-	-	-
28	21	6	14	1	-	-	-	-	-	-	-
29	16	6	9	-	1	-	-	-	-	-	-
30	21	1	14	6	-	-	-	-	-	-	-
31	17	-	6	11	-	-	-	-	-	-	-
32	48	-	12	27	8	1	-	-	-	-	-
33	68	-	1	29	34	4	-	-	-	-	-
34	119	-	2	29	61	22	5	-	-	-	-
35	255	-	1	23	129	83	17	2	-	-	-
36	567	-	1	23	175	276	81	10	1	-	-
37	2,601	-	-	15	352	1,346	753	122	13	-	-
38	6,099	-	-	6	316	2,579	2,637	517	39	5	-
39	5,906	-	-	2	116	1,800	3,064	845	78	1	-
40	3,251	-	-	-	34	658	1,790	690	76	3	-
41	314	-	-	-	2	41	145	101	20	5	-
42 & over	27	-	-	-	-	6	11	7	2	1	-
Unknown	-	-	-	-	-	-	-	-	-	-	-

**Table 28**  
**LIVE BIRTHS (TWIN BIRTHS) BY PERIOD OF GESTATION, BIRTH WEIGHT**  
**AND SEX OF CHILD, 2016**

Period of Gestation (weeks)	Total	Birth Weight (grammes)									
		Under 1,000	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 & over	Un-known
<b>Total</b>											
Total	1,118	20	50	190	454	347	55	2	-	-	-
Under 28	22	18	4	-	-	-	-	-	-	-	-
28	4	1	3	-	-	-	-	-	-	-	-
29	10	-	10	-	-	-	-	-	-	-	-
30	16	1	14	1	-	-	-	-	-	-	-
31	24	-	10	13	1	-	-	-	-	-	-
32	21	-	1	17	3	-	-	-	-	-	-
33	63	-	5	38	19	1	-	-	-	-	-
34	104	-	3	39	55	7	-	-	-	-	-
35	174	-	-	41	104	29	-	-	-	-	-
36	300	-	-	29	145	115	11	-	-	-	-
37	312	-	-	10	111	158	31	2	-	-	-
38	62	-	-	2	16	35	9	-	-	-	-
39	6	-	-	-	-	2	4	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-
42 & over	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Males</b>											
Total	570	8	28	92	209	202	29	2	-	-	-
Under 28	12	8	4	-	-	-	-	-	-	-	-
28	1	-	1	-	-	-	-	-	-	-	-
29	7	-	7	-	-	-	-	-	-	-	-
30	9	-	9	-	-	-	-	-	-	-	-
31	12	-	4	8	-	-	-	-	-	-	-
32	13	-	-	10	3	-	-	-	-	-	-
33	40	-	2	25	12	1	-	-	-	-	-
34	53	-	1	20	26	6	-	-	-	-	-
35	78	-	-	14	49	15	-	-	-	-	-
36	154	-	-	12	66	67	9	-	-	-	-
37	157	-	-	1	48	92	14	2	-	-	-
38	31	-	-	2	5	19	5	-	-	-	-
39	3	-	-	-	-	2	1	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-
42 & over	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-
<b>Females</b>											
Total	548	12	22	98	245	145	26	-	-	-	-
Under 28	10	10	-	-	-	-	-	-	-	-	-
28	3	1	2	-	-	-	-	-	-	-	-
29	3	-	3	-	-	-	-	-	-	-	-
30	7	1	5	1	-	-	-	-	-	-	-
31	12	-	6	5	1	-	-	-	-	-	-
32	8	-	1	7	-	-	-	-	-	-	-
33	23	-	3	13	7	-	-	-	-	-	-
34	51	-	2	19	29	1	-	-	-	-	-
35	96	-	-	27	55	14	-	-	-	-	-
36	146	-	-	17	79	48	2	-	-	-	-
37	155	-	-	9	63	66	17	-	-	-	-
38	31	-	-	-	11	16	4	-	-	-	-
39	3	-	-	-	-	-	3	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-
42 & over	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-

**Table 29**  
**STILL BIRTHS BY ETHNIC GROUP OF MOTHER AND SEX OF CHILD,**  
**JANUARY - DECEMBER, 2016**

Month	Total			Chinese		Malays		Indians		Others	
	Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Total	89	38	51	22	26	10	11	3	5	3	9
January	4	-	4	-	1	-	1	-	-	-	2
February	7	2	5	2	2	-	1	-	1	-	1
March	7	3	4	3	2	-	2	-	-	-	-
April	8	6	2	3	2	1	-	1	-	1	-
May	8	3	5	-	3	3	2	-	-	-	-
June	8	2	6	1	1	1	2	-	2	-	1
July	5	3	2	-	1	1	1	1	-	1	-
August	6	4	2	2	1	1	-	-	-	1	1
September	7	4	3	2	1	1	-	1	-	-	2
October	11	5	6	5	5	-	-	-	1	-	-
November	5	1	4	-	2	1	1	-	-	-	1
December	13	5	8	4	5	1	1	-	1	-	1

**Table 30**  
**STILL BIRTHS BY ATTENDANT AT BIRTH,**  
**ETHNIC GROUP OF MOTHER AND SEX OF CHILD, 2016**

Attendant at Birth	Total			Chinese		Malays		Indians		Others	
	Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Total	89	38	51	22	26	10	11	3	5	3	9
Doctor in Public Sector Hospitals	44	14	30	7	15	3	7	2	4	2	4
Doctor in Private Sector Hospitals	32	16	16	12	11	2	-	1	-	1	5
Midwife or Nurse in Public Sector Hospitals	11	7	4	3	-	4	3	-	1	-	-
Midwife or Nurse in Private Sector Hospitals	1	-	1	-	-	-	1	-	-	-	-
Ambulance Officer / Paramedic	-	-	-	-	-	-	-	-	-	-	-
Delivery without aid of Doctor, Midwife or Nurse	-	-	-	-	-	-	-	-	-	-	-
Unknown	1	1	-	-	-	1	-	-	-	-	-



**Table 31**  
**STILL BIRTHS BY PLACE OF OCCURRENCE AND**  
**ETHNIC GROUP OF MOTHER, 2016**

Place of Occurrence	Total	Chinese	Malays	Indians	Others
Total	89	48	21	8	12
Public Sector Hospitals	55	25	17	7	6
Private Sector Hospitals	33	23	3	1	6
Residence	1	-	1	-	-
Other Locations	-	-	-	-	-

**Table 32**  
**STILL BIRTHS BY BIRTH WEIGHT,**  
**AGE GROUP OF MOTHER AND SEX OF CHILD, 2016**

Birth Weight (grammes)	Total			Age Group of Mother (years)																	
				Under 15		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54	
	T	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total	89	38	51	-	-	1	-	1	6	11	11	16	17	6	13	3	4	-	-	-	-
Under 1,000	15	10	5	-	-	-	-	-	-	2	1	6	2	2	-	-	2	-	-	-	-
1,000-1,499	10	3	7	-	-	-	-	-	-	-	1	1	3	2	3	-	-	-	-	-	-
1,500-1,999	14	7	7	-	-	-	-	-	2	4	1	1	3	1	1	1	-	-	-	-	-
2,000-2,499	20	8	12	-	-	-	-	-	2	3	1	4	3	1	4	-	2	-	-	-	-
2,500-2,999	19	7	12	-	-	1	-	-	-	2	5	2	5	-	2	2	-	-	-	-	-
3,000-3,499	8	2	6	-	-	-	-	-	1	-	2	2	1	-	2	-	-	-	-	-	-
3,500-3,999	2	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
4,000 & over	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 33  
STILL BIRTHS BY PERIOD OF GESTATION, BIRTH WEIGHT  
AND SEX OF CHILD, 2016**

Period of Gestation (weeks)	Total	Birth Weight (grammes)								
		Under 1,000	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-3,499	3,500-3,999	4000 & Over	Unknown
		<b>Total</b>								
Total	89	15	10	14	20	19	8	2	1	-
28	6	5	1	-	-	-	-	-	-	-
29	3	3	-	-	-	-	-	-	-	-
30	5	3	1	1	-	-	-	-	-	-
31	12	1	4	6	1	-	-	-	-	-
32	5	-	3	2	-	-	-	-	-	-
33	5	-	1	1	2	1	-	-	-	-
34	6	3	-	1	2	-	-	-	-	-
35	11	-	-	3	5	2	-	1	-	-
36	10	-	-	-	4	6	-	-	-	-
37	12	-	-	-	4	4	3	-	1	-
38	7	-	-	-	1	2	4	-	-	-
39	5	-	-	-	1	2	1	1	-	-
40	2	-	-	-	-	2	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-
42 & over	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-
		<b>Males</b>								
Total	38	10	3	7	8	7	2	1	-	-
28	2	2	-	-	-	-	-	-	-	-
29	2	2	-	-	-	-	-	-	-	-
30	3	3	-	-	-	-	-	-	-	-
31	5	1	1	3	-	-	-	-	-	-
32	3	-	2	1	-	-	-	-	-	-
33	2	-	-	-	2	-	-	-	-	-
34	4	2	-	1	1	-	-	-	-	-
35	7	-	-	2	2	2	-	1	-	-
36	3	-	-	-	1	2	-	-	-	-
37	3	-	-	-	1	1	1	-	-	-
38	3	-	-	-	1	1	1	-	-	-
39	1	-	-	-	-	1	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-
42 & over	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-
		<b>Females</b>								
Total	51	5	7	7	12	12	6	1	1	-
28	4	3	1	-	-	-	-	-	-	-
29	1	1	-	-	-	-	-	-	-	-
30	2	-	1	1	-	-	-	-	-	-
31	7	-	3	3	1	-	-	-	-	-
32	2	-	1	1	-	-	-	-	-	-
33	3	-	1	1	-	1	-	-	-	-
34	2	1	-	-	1	-	-	-	-	-
35	4	-	-	1	3	-	-	-	-	-
36	7	-	-	-	3	4	-	-	-	-
37	9	-	-	-	3	3	2	-	1	-
38	4	-	-	-	-	1	3	-	-	-
39	4	-	-	-	1	1	1	1	-	-
40	2	-	-	-	-	2	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-
42 & over	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-

**Table 34**  
**DEATHS BY ETHNIC GROUP AND SEX,**  
**JANUARY - DECEMBER 2016**

Month	Total			Chinese		Malays		Indians		Others	
	Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Total	20,017	10,991	9,026	8,140	6,882	1,514	1,324	1,048	609	289	211
January	1,635	927	708	680	534	115	96	113	59	19	19
February	1,592	893	699	671	547	112	99	81	41	29	12
March	1,780	937	843	692	632	128	137	92	52	25	22
April	1,684	912	772	680	596	127	109	77	53	28	14
May	1,728	949	779	693	600	141	113	84	47	31	19
June	1,585	907	678	669	517	121	114	89	38	28	9
July	1,859	1,016	843	741	638	162	119	85	68	28	18
August	1,747	941	806	704	600	116	128	103	59	18	19
September	1,583	860	723	643	528	109	113	89	59	19	23
October	1,716	917	799	688	611	118	109	85	53	26	26
November	1,510	862	648	644	527	125	78	73	29	20	14
December	1,598	870	728	635	552	140	109	77	51	18	16

**Table 35**  
**DEATHS BY PLACE OF OCCURRENCE AND ETHNIC GROUP, 2016**

Place of Occurrence	Total	Ethnic Group			
		Chinese	Malays	Indians	Others
Total	20,017	15,022	2,838	1,657	500
Public Sector Hospitals	11,810	8,738	1,746	1,083	243
Private Sector Hospitals	591	410	59	50	72
Nursing Homes & Clinics	349	326	12	8	3
Public & Charitable Institutions	901	753	96	41	11
Licensed Sick Receiving Houses	740	660	38	31	11
Residence	5,064	3,764	838	342	120
Other Locations	562	371	49	102	40

**Table 36**  
**INFANT DEATHS BY ETHNIC GROUP AND SEX,**  
**JANUARY - DECEMBER 2016**

Month	Total			Chinese		Malays		Indians		Others	
	Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Total	101	50	51	23	22	21	17	4	7	2	5
January	5	3	2	1	-	1	1	1	1	-	-
February	7	4	3	3	-	1	2	-	1	-	-
March	8	3	5	2	3	-	2	1	-	-	-
April	5	2	3	2	1	-	2	-	-	-	-
May	12	5	7	1	4	3	2	1	1	-	-
June	9	3	6	1	4	2	1	-	1	-	-
July	9	5	4	4	1	1	2	-	-	-	1
August	12	7	5	3	2	3	-	1	2	-	1
September	4	1	3	-	1	1	-	-	1	-	1
October	6	3	3	2	1	1	2	-	-	-	-
November	13	6	7	1	4	4	2	-	-	1	1
December	11	8	3	3	1	4	1	-	-	1	1

**Table 37**  
**INFANT DEATHS BY PLACE OF OCCURRENCE AND ETHNIC GROUP, 2016**

Place of Occurrence	Total	Ethnic Group			
		Chinese	Malays	Indians	Others
Total	101	45	38	11	7
Public Sector Hospitals	90	38	35	11	6
Private Sector Hospitals	5	3	1	-	1
Nursing Homes & Clinics	-	-	-	-	-
Residence	5	3	2	-	-
Other Locations	1	1	-	-	-

**Table 38**  
**INFANT DEATHS BY AGE, ETHNIC GROUP AND SEX, 2016**

Age	Total			Chinese		Malays		Indians		Others	
	Total	M	F	M	F	M	F	M	F	M	F
Total Infant Deaths	101	50	51	23	22	21	17	4	7	2	5
Under 28 days ( <i>Neo-Natal Deaths</i> )	57	28	29	16	13	9	9	2	3	1	4
<i>Under 1 day</i>	14	6	8	5	4	1	2	-	1	-	1
<i>1 day and under 2 days</i>	7	5	2	3	1	2	1	-	-	-	-
<i>2 days and under 3 days</i>	5	1	4	-	2	1	2	-	-	-	-
<i>3 days and under 4 days</i>	4	1	3	-	1	-	2	-	-	1	-
<i>4 days and under 5 days</i>	-	-	-	-	-	-	-	-	-	-	-
<i>5 days and under 6 days</i>	2	2	-	1	-	1	-	-	-	-	-
<i>6 days and under 7 days</i>	3	2	1	1	-	1	-	-	1	-	-
<i>7 days and under 14 days</i>	10	4	6	3	4	1	-	-	-	-	2
<i>14 days and under 21 days</i>	7	4	3	2	-	1	1	1	1	-	1
<i>21 days and under 28 days</i>	5	3	2	1	1	1	1	1	-	-	-
28 days and under 2 months	8	4	4	1	1	1	3	2	-	-	-
2 months and under 3 months	8	6	2	3	1	3	1	-	-	-	-
3 months and under 4 months	5	3	2	-	2	2	-	-	-	1	-
4 months and under 5 months	4	2	2	-	-	2	1	-	1	-	-
5 months and under 6 months	7	2	5	1	3	1	1	-	-	-	1
6 months and under 7 months	5	2	3	-	1	2	1	-	1	-	-
7 months and under 8 months	1	-	1	-	1	-	-	-	-	-	-
8 months and under 9 months	-	-	-	-	-	-	-	-	-	-	-
9 months and under 10 months	2	-	2	-	-	-	-	-	2	-	-
10 months and under 11 months	2	1	1	-	-	1	1	-	-	-	-
11 months and under 1 year	2	2	-	2	-	-	-	-	-	-	-

**Table 39**  
**DEATHS BY AGE GROUP, ETHNIC GROUP & SEX, 2016**

Age Group (years)	Total			Chinese		Malays		Indians		Others	
	Total	M	F	M	F	M	F	M	F	M	F
Total	20,017	10,991	9,026	8,140	6,882	1,514	1,324	1,048	609	289	211
Under 1	101	50	51	23	22	21	17	4	7	2	5
1 & under 2	10	9	1	5	1	3	-	1	-	-	-
2 & under 3	7	2	5	-	3	2	-	-	-	-	2
3 & under 4	9	7	2	4	-	3	1	-	-	-	1
4 & under 5	6	2	4	1	4	-	-	1	-	-	-
5 - 9	20	10	10	3	4	5	1	1	2	1	3
10 - 14	31	18	13	12	10	4	1	-	2	2	-
15 - 19	61	37	24	16	13	12	6	7	2	2	3
20 - 24	103	70	33	28	18	9	9	26	3	7	3
25 - 29	158	108	50	37	24	12	20	50	2	9	4
30 - 34	172	119	53	41	25	23	13	42	6	13	9
35 - 39	211	136	75	73	39	20	15	30	6	13	15
40 - 44	328	194	134	128	83	29	28	33	11	4	12
45 - 49	498	318	180	172	114	62	42	57	14	27	10
50 - 54	837	537	300	336	192	100	78	82	16	19	14
55 - 59	1,303	839	464	559	321	158	107	102	29	20	7
60 - 64	1,656	1,081	575	779	389	177	119	96	55	29	12
65 - 69	2,098	1,347	751	999	532	193	129	122	75	33	15
70 - 74	1,844	1,158	686	928	499	129	111	75	62	26	14
75 - 79	2,762	1,560	1,202	1,262	912	190	192	84	85	24	13
80 - 84	2,906	1,493	1,413	1,213	1,094	162	208	96	89	22	22
85 & over	4,896	1,896	3,000	1,521	2,583	200	227	139	143	36	47
Unknown	-	-	-	-	-	-	-	-	-	-	-

**Table 40  
DEATHS BY AGE GROUP, MARITAL STATUS AND SEX, 2016**

<b>Age Group (years)</b>	<b>Total</b>	<b>Single</b>	<b>Married</b>	<b>Widowed</b>	<b>Divorced</b>	<b>Unknown</b>
	<b>Total</b>					
Total	20,017	2,329	12,194	4,197	672	625
Under 15	184	184	-	-	-	-
15 - 19	61	60	1	-	-	-
20 - 29	261	217	39	-	4	1
30 - 39	383	140	216	1	13	13
40 - 49	826	226	512	5	67	16
50 - 59	2,140	440	1,443	46	163	48
60 - 69	3,754	458	2,742	263	199	92
70 - 79	4,606	324	3,168	828	139	147
80 & over	7,802	280	4,073	3,054	87	308
Unknown	-	-	-	-	-	-
	<b>Males</b>					
Total	10,991	1,458	7,839	931	434	329
Under 15	98	98	-	-	-	-
15 - 19	37	37	-	-	-	-
20 - 29	178	151	23	-	3	1
30 - 39	255	97	143	-	6	9
40 - 49	512	156	302	3	40	11
50 - 59	1,376	288	940	11	102	35
60 - 69	2,428	299	1,881	60	135	53
70 - 79	2,718	207	2,114	202	96	99
80 & over	3,389	125	2,436	655	52	121
Unknown	-	-	-	-	-	-
	<b>Females</b>					
Total	9,026	871	4,355	3,266	238	296
Under 15	86	86	-	-	-	-
15 - 19	24	23	1	-	-	-
20 - 29	83	66	16	-	1	-
30 - 39	128	43	73	1	7	4
40 - 49	314	70	210	2	27	5
50 - 59	764	152	503	35	61	13
60 - 69	1,326	159	861	203	64	39
70 - 79	1,888	117	1,054	626	43	48
80 & over	4,413	155	1,637	2,399	35	187
Unknown	-	-	-	-	-	-

**Table 41**  
**DEATHS BY AGE GROUP, OCCUPATION AND SEX, 2016**

Age Group (years)	Total	Legislators, Senior Officials & Managers	Professionals	Technicians & Associate Professionals	Clerical Workers	Service Workers, Shop & Market Sales Workers	Agricultural & Fishery Workers	Production Craftsmen & Other Related Workers	Workers Not Classifiable By Occupation	Not Working
<b>Total</b>										
Total	20,017	121	170	190	59	403	4	784	50	18,236
Under 15	184	-	-	-	-	-	-	-	-	184
15 - 19	61	-	-	-	-	3	-	1	4	53
20 - 29	261	4	10	18	8	19	-	73	10	119
30 - 39	383	12	31	33	10	33	1	104	7	152
40 - 49	826	37	40	47	11	70	2	132	10	477
50 - 59	2,140	46	51	64	17	136	1	224	8	1,593
60 - 69	3,754	21	33	23	12	111	-	202	11	3,341
70 - 79	4,606	1	5	5	1	31	-	48	-	4,515
80 & over	7,802	-	-	-	-	-	-	-	-	7,802
Unknown	-	-	-	-	-	-	-	-	-	-
<b>Males</b>										
Total	10,991	99	121	139	19	325	4	681	39	9,564
Under 15	98	-	-	-	-	-	-	-	-	98
15 - 19	37	-	-	-	-	1	-	1	4	31
20 - 29	178	2	6	9	2	13	-	62	10	74
30 - 39	255	8	24	24	6	26	1	83	5	78
40 - 49	512	27	23	35	2	49	2	116	7	251
50 - 59	1,376	42	36	50	5	114	1	202	6	920
60 - 69	2,428	19	28	16	4	95	-	182	7	2,077
70 - 79	2,718	1	4	5	-	27	-	35	-	2,646
80 & over	3,389	-	-	-	-	-	-	-	-	3,389
Unknown	-	-	-	-	-	-	-	-	-	-
<b>Females</b>										
Total	9,026	22	49	51	40	78	-	103	11	8,672
Under 15	86	-	-	-	-	-	-	-	-	86
15 - 19	24	-	-	-	-	2	-	-	-	22
20 - 29	83	2	4	9	6	6	-	11	-	45
30 - 39	128	4	7	9	4	7	-	21	2	74
40 - 49	314	10	17	12	9	21	-	16	3	226
50 - 59	764	4	15	14	12	22	-	22	2	673
60 - 69	1,326	2	5	7	8	16	-	20	4	1,264
70 - 79	1,888	-	1	-	1	4	-	13	-	1,869
80 & over	4,413	-	-	-	-	-	-	-	-	4,413
Unknown	-	-	-	-	-	-	-	-	-	-



**Table 42**  
**DEATHS BY CAUSE AND TYPE OF CERTIFICATION, 2016**

Listing	Description of Cause of Death	ICD 10 Code	Total	Certified By	
				Doctors	Coroners
	<b>All Causes</b>		<b>20,017</b>	<b>19,074</b>	<b>943</b>
<b>1-001</b>	<b>Certain infectious and parasitic diseases</b>	<b>A00-B99</b>	<b>174</b>	<b>174</b>	<b>-</b>
1-002	Cholera	A00	-	-	-
1-003	Diarrhoea and gastroenteritis of presumed infectious origin	A09	34	34	-
1-004	Other intestinal infectious diseases	A01-A08	3	3	-
1-005	Respiratory tuberculosis	A15-A16	38	38	-
1-006	Other tuberculosis	A17-19	3	3	-
1-007	Plague	A20	-	-	-
1-008	Tetanus	A33-A35	-	-	-
1-009	Diphtheria	A36	-	-	-
1-010	Whooping cough	A37	-	-	-
1-011	Meningococcal infection	A39	-	-	-
1-012	Septicaemia	A40-A41	29	29	-
1-013	Infections with a predominantly sexual mode of transmission	A50-64	-	-	-
1-014	Acute poliomyelitis	A80	-	-	-
1-015	Rabies	A82	-	-	-
1-016	Yellow fever	A95	-	-	-
1-017	Other arthropod-borne viral fevers and viral haemorrhagic fevers	A90-A94,A96-A99	12	12	-
1-018	Measles	B05	-	-	-
1-019	Viral hepatitis	B15-B19	2	2	-
1-020	Human immunodeficiency virus [HIV] disease	B20-B24	28	28	-
1-021	Malaria	B50-B54	-	-	-
1-022	Leishmaniasis	B55	-	-	-
1-023	Trypanosomiasis	B56-B57	-	-	-
1-024	Schistosomiasis	B65	-	-	-
1-025	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	25	-
<b>1-026</b>	<b>Neoplasms</b>	<b>C00-D48</b>	<b>5,993</b>	<b>5,993</b>	<b>-</b>
1-027	Malignant neoplasm of lip, oral cavity and pharynx	C00-C14	219	219	-
1-028	Malignant neoplasm of oesophagus	C15	108	108	-
1-029	Malignant neoplasm of stomach	C16	341	341	-
1-030	Malignant neoplasm of colon, rectum and anus	C18-C21	881	881	-
1-031	Malignant neoplasm of liver and intrahepatic bile ducts	C22	634	634	-
1-032	Malignant neoplasm of pancreas	C25	339	339	-
1-033	Malignant neoplasm of larynx	C32	36	36	-
1-034	Malignant neoplasm of trachea, bronchus and lung	C33-C34	1,253	1,253	-
1-035	Malignant melanoma of skin	C43	14	14	-
1-036	Malignant neoplasm of breast	C50	475	475	-
1-037	Malignant neoplasm of cervix uteri	C53	86	86	-
1-038	Malignant neoplasm of other and unspecified parts of uterus	C54-C55	84	84	-
1-039	Malignant neoplasm of ovary	C56	138	138	-
1-040	Malignant neoplasm of prostate	C61	195	195	-
1-041	Malignant neoplasm of bladder	C67	78	78	-
1-042	Malignant neoplasm of meninges, brain and other parts of central nervous system	C70-C72	76	76	-
1-043	Non-Hodgkin's lymphoma	C82-C85	161	161	-
1-044	Multiple myeloma and malignant plasma cell neoplasms	C90	67	67	-
1-045	Leukaemia	C91-C95	149	149	-
1-046	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	591	591	-
1-047	Remainder of neoplasms	D00-D48	68	68	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 42**  
**DEATHS BY CAUSE AND TYPE OF CERTIFICATION, 2016**

Listing	Description of Cause of Death	ICD 10 Code	Total	Certified By	
				Doctors	Coroners
<b>1-048</b>	<b>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	<b>D50-D89</b>	<b>14</b>	<b>14</b>	<b>-</b>
1-049	Anaemias	D50-D64	7	7	-
1-050	Remainder of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D65-D89	7	7	-
<b>1-051</b>	<b>Endocrine, nutritional and metabolic diseases</b>	<b>E00-E88</b>	<b>363</b>	<b>363</b>	<b>-</b>
1-052	Diabetes mellitus	E10-E14	343	343	-
1-053	Malnutrition	E40-E46	-	-	-
1-054	Remainder of endocrine, nutritional and metabolic diseases	E00-E07,E15-E34,E50-E88	20	20	-
<b>1-055</b>	<b>Mental and behavioural disorders</b>	<b>F01-F99</b>	<b>2</b>	<b>2</b>	<b>-</b>
1-056	Mental and behavioural disorders due to psychoactive substance use	F10-F19	-	-	-
1-057	Remainder of mental and behavioural disorders	F01-F09,F20-F99	2	2	-
<b>1-058</b>	<b>Diseases of the nervous system</b>	<b>G00-G98</b>	<b>224</b>	<b>224</b>	<b>-</b>
1-059	Meningitis	G00,G03	-	-	-
1-060	Alzheimer's disease	G30	9	9	-
1-061	Remainder of diseases of the nervous system	G04-G25,G31-G98	215	215	-
<b>1-062</b>	<b>Diseases of the eye and adnexa</b>	<b>H00-H57</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>1-063</b>	<b>Diseases of the ear and mastoid process</b>	<b>H60-H93</b>	<b>2</b>	<b>2</b>	<b>-</b>
<b>1-064</b>	<b>Diseases of the circulatory system</b>	<b>I00-I99</b>	<b>6,107</b>	<b>6,107</b>	<b>-</b>
1-065	Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09	22	22	-
1-066	Hypertensive diseases	I10-I13	801	801	-
1-067	Ischaemic heart diseases	I20-I25	3,396	3,396	-
1-068	Other heart diseases	I26-I51	357	357	-
1-069	Cerebrovascular diseases	I60-I69	1,317	1,317	-
1-070	Atherosclerosis	I70	14	14	-
1-071	Remainder of diseases of the circulatory system	I71-I99	200	200	-
<b>1-072</b>	<b>Diseases of the respiratory system</b>	<b>J00-J98</b>	<b>4,440</b>	<b>4,440</b>	<b>-</b>
1-073	Influenza	J09-J11	1	1	-
1-074	Pneumonia	J12-J18	3,855	3,855	-
1-075	Other acute lower respiratory infections	J20-J22	3	3	-
1-076	Chronic lower respiratory diseases	J40-J47	460	460	-
1-077	Remainder of diseases of the respiratory system	J00-J06,J30-J39,J60-J98	121	121	-
<b>1-078</b>	<b>Diseases of the digestive system</b>	<b>K00-K92</b>	<b>467</b>	<b>467</b>	<b>-</b>
1-079	Gastric and duodenal ulcer	K25-K27	47	47	-
1-080	Diseases of the liver	K70-K76	191	191	-
1-081	Remainder of diseases of the digestive system	K00-K22,K28-K66,K80-K92	229	229	-
<b>1-082</b>	<b>Diseases of the skin and subcutaneous tissue</b>	<b>L00-L98</b>	<b>150</b>	<b>150</b>	<b>-</b>
<b>1-083</b>	<b>Diseases of the musculoskeletal system and connective tissue</b>	<b>M00-M99</b>	<b>85</b>	<b>85</b>	<b>-</b>
<b>1-084</b>	<b>Diseases of the genitourinary system</b>	<b>N00-N98</b>	<b>913</b>	<b>913</b>	<b>-</b>
1-085	Glomerular and renal tubulo-interstitial diseases	N00-N15	20	20	-
1-086	Remainder of diseases of the genitourinary system	N17-N98	893	893	-
<b>1-087</b>	<b>Pregnancy, childbirth and the puerperium</b>	<b>O00-O99</b>	<b>2</b>	<b>2</b>	<b>-</b>
1-088	Pregnancy with abortive outcome	O00-O07	-	-	-
1-089	Other direct obstetric deaths	O10-O92	2	2	-
1-090	Indirect obstetric deaths	O98-O99	-	-	-
1-091	Remainder of pregnancy, childbirth and the puerperium	O95-O97	-	-	-
<b>1-092</b>	<b>Certain conditions originating in the perinatal period</b>	<b>P00-P96</b>	<b>36</b>	<b>36</b>	<b>-</b>
<b>1-093</b>	<b>Congenital malformations, deformations and chromosomal abnormalities</b>	<b>Q00-Q99</b>	<b>72</b>	<b>72</b>	<b>-</b>
<b>1-094</b>	<b>Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified</b>	<b>R00-R99</b>	<b>83</b>	<b>30</b>	<b>53</b>
<b>1-095</b>	<b>External causes of morbidity and mortality</b>	<b>V01-Y89</b>	<b>890</b>	<b>-</b>	<b>890</b>
1-096	Transport accidents	V01-V99	164	-	164
1-097	Falls	W00-W19	149	-	149
1-098	Accidental drowning and submersion	W65-W74	21	-	21
1-099	Exposure to smoke, fire and flames	X00-X09	3	-	3
1-100	Accidental poisoning by and exposure to noxious substances	X40-X49	22	-	22
1-101	Intentional self-harm	X60-X84	429	-	429
1-102	Assault	X85-Y09	21	-	21
1-103	All other external causes	W20-W64,W75-W99,X10-X39,X50-X59,Y10-Y89	81	-	81

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 43**  
**DEATHS AND DEATH RATES BY CAUSE, 2014 - 2016**

Listing	Description of Cause of Death	Deaths			Death Rates		
		2014	2015	2016	2014	2015	2016
		Number			Per 100,000 Residents		
	<u>All Causes</u>	19,393	19,862	20,017	471.15	477.62	479.36
<b>1-001</b>	<b>Certain infectious and parasitic diseases</b>	<b>217</b>	<b>194</b>	<b>174</b>	<b>5.04</b>	<b>4.59</b>	<b>4.04</b>
1-002	Cholera	-	-	-	-	-	-
1-003	Diarrhoea and gastroenteritis of presumed infectious origin	28	36	34	0.72	0.90	0.81
1-004	Other intestinal infectious diseases	5	4	3	0.13	0.10	0.05
1-005	Respiratory tuberculosis	52	38	38	1.21	0.95	0.92
1-006	Other tuberculosis	8	3	3	0.21	0.05	0.08
1-007	Plague	-	-	-	-	-	-
1-008	Tetanus	-	-	-	-	-	-
1-009	Diphtheria	-	-	-	-	-	-
1-010	Whooping cough	-	1	-	-	0.03	-
1-011	Meningococcal infection	1	-	-	-	-	-
1-012	Septicaemia	37	41	29	0.90	1.05	0.71
1-013	Infections with a predominantly sexual mode of transmission	-	-	-	-	-	-
1-014	Acute poliomyelitis	-	-	-	-	-	-
1-015	Rabies	-	-	-	-	-	-
1-016	Yellow fever	-	-	-	-	-	-
1-017	Other arthropod-borne viral fevers and viral haemorrhagic fevers	6	6	12	0.13	0.05	0.28
1-018	Measles	-	-	-	-	-	-
1-019	Viral hepatitis	1	4	2	0.03	0.05	0.05
1-020	Human immunodeficiency virus [HIV] disease	53	35	28	1.21	0.82	0.61
1-021	Malaria	1	1	-	-	-	-
1-022	Leishmaniasis	-	-	-	-	-	-
1-023	Trypanosomiasis	-	-	-	-	-	-
1-024	Schistosomiasis	-	-	-	-	-	-
1-025	Remainder of certain infectious and parasitic diseases	25	25	25	0.49	0.59	0.53
<b>1-026</b>	<b>Neoplasms</b>	<b>5,790</b>	<b>5,986</b>	<b>5,993</b>	<b>142.27</b>	<b>145.82</b>	<b>144.42</b>
1-027	Malignant neoplasm of lip, oral cavity and pharynx	255	223	219	6.41	5.51	5.41
1-028	Malignant neoplasm of oesophagus	93	111	108	2.35	2.69	2.64
1-029	Malignant neoplasm of stomach	311	319	341	7.60	7.87	8.36
1-030	Malignant neoplasm of colon, rectum and anus	809	878	881	20.20	21.75	21.51
1-031	Malignant neoplasm of liver and intrahepatic bile ducts	591	563	634	14.42	13.84	15.43
1-032	Malignant neoplasm of pancreas	309	378	339	7.52	9.07	8.29
1-033	Malignant neoplasm of larynx	36	22	36	0.93	0.54	0.92
1-034	Malignant neoplasm of trachea, bronchus and lung	1,277	1,313	1,253	31.67	32.31	30.18
1-035	Malignant melanoma of skin	24	15	14	0.54	0.33	0.33
1-036	Malignant neoplasm of breast	439	450	475	10.64	10.89	11.36
1-037	Malignant neoplasm of cervix uteri	81	78	86	1.99	1.79	2.01
1-038	Malignant neoplasm of other and unspecified parts of uterus	85	88	84	2.14	2.15	2.06
1-039	Malignant neoplasm of ovary	129	133	138	3.31	3.25	3.25
1-040	Malignant neoplasm of prostate	179	179	195	4.47	4.41	4.75
1-041	Malignant neoplasm of bladder	81	90	78	1.99	2.18	1.83
1-042	Malignant neoplasm of meninges, brain and other parts of central nervous system	78	83	76	1.94	2.02	1.91
1-043	Non-Hodgkin's lymphoma	172	191	161	4.08	4.48	3.64
1-044	Multiple myeloma and malignant plasma cell neoplasms	45	47	67	1.16	1.02	1.60
1-045	Leukaemia	155	146	149	3.31	3.07	3.25
1-046	Remainder of malignant neoplasms	552	596	591	13.56	14.63	14.03
1-047	Remainder of neoplasms	89	83	68	2.04	2.00	1.65

Note: (1) The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

(2) Death rates are computed based on the number of resident deaths over resident population.

**Table 43**  
**DEATHS AND DEATH RATES BY CAUSE, 2014 - 2016**

Listing	Description of Cause of Death	Deaths			Death Rates		
		2014	2015	2016	2014	2015	2016
		Number			Per 100,000 Residents		
<b>1-048</b>	<b>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	<b>23</b>	<b>10</b>	<b>14</b>	<b>0.49</b>	<b>0.13</b>	<b>0.31</b>
1-049	Anaemias	8	5	7	0.18	0.10	0.13
1-050	Remainder of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	15	5	7	0.31	0.03	0.18
<b>1-051</b>	<b>Endocrine, nutritional and metabolic diseases</b>	<b>296</b>	<b>270</b>	<b>363</b>	<b>7.36</b>	<b>6.69</b>	<b>8.95</b>
1-052	Diabetes mellitus	277	250	343	6.92	6.20	8.49
1-053	Malnutrition	-	-	-	-	-	-
1-054	Remainder of endocrine, nutritional and metabolic diseases	19	20	20	0.44	0.49	0.46
<b>1-055</b>	<b>Mental and behavioural disorders</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0.03</b>	<b>0.03</b>	<b>0.05</b>
1-056	Mental and behavioural disorders due to psychoactive substance use	-	-	-	-	-	-
1-057	Remainder of mental and behavioural disorders	1	1	2	0.03	0.03	0.05
<b>1-058</b>	<b>Diseases of the nervous system</b>	<b>144</b>	<b>206</b>	<b>224</b>	<b>3.51</b>	<b>4.87</b>	<b>5.47</b>
1-059	Meningitis	1	6	-	0.03	0.13	-
1-060	Alzheimer's disease	1	2	9	0.03	0.05	0.23
1-061	Remainder of diseases of the nervous system	142	198	215	3.46	4.69	5.24
<b>1-062</b>	<b>Diseases of the eye and adnexa</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>1-063</b>	<b>Diseases of the ear and mastoid process</b>	<b>-</b>	<b>4</b>	<b>2</b>	<b>-</b>	<b>0.10</b>	<b>0.05</b>
<b>1-064</b>	<b>Diseases of the circulatory system</b>	<b>5,987</b>	<b>6,101</b>	<b>6,107</b>	<b>144.78</b>	<b>145.34</b>	<b>145.70</b>
1-065	Acute rheumatic fever and chronic rheumatic heart diseases	30	24	22	0.72	0.56	0.51
1-066	Hypertensive diseases	697	778	801	17.13	18.50	19.27
1-067	Ischaemic heart diseases	3,098	3,313	3,396	74.71	79.41	81.20
1-068	Other heart diseases	340	419	357	7.54	9.35	7.73
1-069	Cerebrovascular diseases	1,620	1,357	1,317	39.71	32.41	31.85
1-070	Atherosclerosis	18	18	14	0.47	0.46	0.36
1-071	Remainder of diseases of the circulatory system	184	192	200	4.50	4.64	4.78
<b>1-072</b>	<b>Diseases of the respiratory system</b>	<b>4,232</b>	<b>4,417</b>	<b>4,440</b>	<b>105.33</b>	<b>110.03</b>	<b>109.44</b>
1-073	Influenza	3	2	1	0.05	0.03	0.03
1-074	Pneumonia	3,680	3,859	3,855	91.89	96.37	95.21
1-075	Other acute lower respiratory infections	4	2	3	0.05	0.05	0.08
1-076	Chronic lower respiratory diseases	446	455	460	11.11	11.33	11.26
1-077	Remainder of diseases of the respiratory system	99	99	121	2.22	2.25	2.87
<b>1-078</b>	<b>Diseases of the digestive system</b>	<b>482</b>	<b>477</b>	<b>467</b>	<b>11.65</b>	<b>11.43</b>	<b>11.34</b>
1-079	Gastric and duodenal ulcer	34	37	47	0.88	0.90	1.14
1-080	Diseases of the liver	192	187	191	4.47	4.41	4.55
1-081	Remainder of diseases of the digestive system	256	253	229	6.30	6.12	5.64
<b>1-082</b>	<b>Diseases of the skin and subcutaneous tissue</b>	<b>124</b>	<b>111</b>	<b>150</b>	<b>3.05</b>	<b>2.72</b>	<b>3.71</b>
<b>1-083</b>	<b>Diseases of the musculoskeletal system and connective tissue</b>	<b>81</b>	<b>90</b>	<b>85</b>	<b>1.99</b>	<b>2.23</b>	<b>2.01</b>
<b>1-084</b>	<b>Diseases of the genitourinary system</b>	<b>951</b>	<b>928</b>	<b>913</b>	<b>24.00</b>	<b>22.91</b>	<b>22.57</b>
1-085	Glomerular and renal tubulo-interstitial diseases	16	20	20	0.41	0.51	0.46
1-086	Remainder of diseases of the genitourinary system	935	908	893	23.59	22.39	22.12
<b>1-087</b>	<b>Pregnancy, childbirth and the puerperium</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>0.08</b>	<b>0.05</b>
1-088	Pregnancy with abortive outcome	1	1	-	-	0.03	-
1-089	Other direct obstetric deaths	-	2	2	-	0.05	0.05
1-090	Indirect obstetric deaths	-	-	-	-	-	-
1-091	Remainder of pregnancy, childbirth and the puerperium	-	-	-	-	-	-
<b>1-092</b>	<b>Certain conditions originating in the perinatal period</b>	<b>42</b>	<b>30</b>	<b>36</b>	<b>0.98</b>	<b>0.64</b>	<b>0.79</b>
<b>1-093</b>	<b>Congenital malformations, deformations and chromosomal abnormalities</b>	<b>50</b>	<b>62</b>	<b>72</b>	<b>1.14</b>	<b>1.31</b>	<b>1.63</b>
<b>1-094</b>	<b>Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified</b>	<b>63</b>	<b>77</b>	<b>83</b>	<b>1.24</b>	<b>1.59</b>	<b>1.68</b>
<b>1-095</b>	<b>External causes of morbidity and mortality</b>	<b>909</b>	<b>895</b>	<b>890</b>	<b>18.29</b>	<b>17.14</b>	<b>17.16</b>
1-096	Transport accidents	183	168	164	3.31	3.07	2.87
1-097	Falls	137	156	149	2.87	3.23	3.28
1-098	Accidental drowning and submersion	10	17	21	0.13	0.15	0.33
1-099	Exposure to smoke, fire and flames	9	12	3	0.08	0.13	0.05
1-100	Accidental poisoning by and exposure to noxious substances	15	21	22	0.23	0.44	0.51
1-101	Intentional self-harm	415	409	429	9.17	8.43	8.54
1-102	Assault	14	17	21	0.23	0.38	0.38
1-103	All other external causes	126	95	81	2.27	1.31	1.19

Note: (1) The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

(2) Death rates are computed based on the number of resident deaths over resident population.

**Table 44**  
**MALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
	<b>All Causes</b>	<b>10,991</b>	<b>28</b>	<b>22</b>	<b>9</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>10</b>	<b>55</b>	<b>178</b>	<b>255</b>	<b>512</b>	<b>1,376</b>	<b>1,081</b>	<b>1,347</b>	<b>1,158</b>	<b>1,560</b>	<b>1,493</b>	<b>1,896</b>	<b>-</b>
<b>1-001</b>	<b>Certain infectious and parasitic diseases</b>	<b>115</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>10</b>	<b>12</b>	<b>12</b>	<b>15</b>	<b>7</b>	<b>13</b>	<b>22</b>	<b>11</b>	<b>-</b>
1-002	Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-003	Diarrhoea and gastroenteritis of presumed infectious origin	17	-	-	-	-	-	-	-	-	1	-	-	2	-	1	2	1	7	3	-
1-004	Other intestinal infectious diseases	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-
1-005	Respiratory tuberculosis	32	-	-	-	-	-	-	-	-	-	-	-	3	5	3	3	5	8	5	-
1-006	Other tuberculosis	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
1-007	Plague	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-008	Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-009	Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-010	Whooping cough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-011	Meningococcal infection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-012	Septicaemia	13	-	-	1	-	-	-	1	-	-	-	-	1	1	4	-	2	3	-	-
1-013	Infections with a predominantly sexual mode of transmission	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-014	Acute poliomyelitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-015	Rabies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-016	Yellow fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-017	Other arthropod-borne viral fevers and viral haemorrhagic fevers	7	-	-	-	-	-	-	1	1	-	-	1	-	-	1	-	2	1	-	-
1-018	Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-019	Viral hepatitis	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
1-020	Human immunodeficiency virus [HIV] disease	25	-	-	-	-	-	-	-	-	1	4	7	3	3	4	1	1	-	1	-
1-021	Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-022	Leishmaniasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-023	Trypanosomiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-024	Schistosomiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-025	Remainder of certain infectious and parasitic diseases	15	-	-	-	-	-	-	-	1	-	1	2	2	3	2	-	1	1	2	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 44**  
**MALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
<b>1-026</b>	<b>Neoplasms</b>	<b>3,316</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>14</b>	<b>38</b>	<b>126</b>	<b>466</b>	<b>394</b>	<b>539</b>	<b>459</b>	<b>511</b>	<b>407</b>	<b>344</b>	<b>-</b>
1-027	Malignant neoplasm of lip, oral cavity and pharynx	175	-	-	-	-	-	-	-	-	1	5	15	44	28	28	26	11	8	9	-
1-028	Malignant neoplasm of oesophagus	92	-	-	-	-	-	-	-	-	-	-	2	18	13	17	11	9	11	11	-
1-029	Malignant neoplasm of stomach	199	-	-	-	-	-	-	-	-	1	2	12	28	25	30	20	27	22	32	-
1-030	Malignant neoplasm of colon, rectum and anus	475	-	-	-	-	-	-	-	-	1	6	16	74	59	81	60	77	55	46	-
1-031	Malignant neoplasm of liver and intrahepatic bile ducts	451	1	-	-	-	-	-	-	-	-	2	17	73	71	72	60	66	42	47	-
1-032	Malignant neoplasm of pancreas	171	-	-	-	-	-	-	-	-	-	1	8	28	18	32	21	32	23	8	-
1-033	Malignant neoplasm of larynx	31	-	-	-	-	-	-	-	-	-	-	1	5	1	9	3	3	3	6	-
1-034	Malignant neoplasm of trachea, bronchus and lung	843	-	-	-	-	-	-	-	-	-	3	18	90	99	134	147	152	121	79	-
1-035	Malignant melanoma of skin	10	-	-	-	-	-	-	-	-	-	-	3	-	-	2	1	3	-	1	-
1-036	Malignant neoplasm of breast	2	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
1-037	Malignant neoplasm of cervix uteri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-038	Malignant neoplasm of other and unspecified parts of uterus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-039	Malignant neoplasm of ovary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-040	Malignant neoplasm of prostate	195	-	-	-	-	-	-	-	-	-	-	3	8	13	24	25	37	48	37	-
1-041	Malignant neoplasm of bladder	66	-	-	-	-	-	-	-	-	-	-	-	6	4	8	12	10	15	11	-
1-042	Malignant neoplasm of meninges, brain and other parts of central nervous system	49	-	-	-	-	-	-	-	2	1	3	6	12	6	6	6	6	-	1	-
1-043	Non-Hodgkin's lymphoma	107	-	-	-	-	-	-	-	1	2	3	7	16	9	18	13	19	11	8	-
1-044	Multiple myeloma and malignant plasma cell neoplasms	35	-	-	-	-	-	-	-	-	-	1	1	5	5	7	3	6	4	3	-
1-045	Leukaemia	80	-	-	1	-	-	-	1	2	5	3	4	12	6	21	9	5	7	4	-
1-046	Remainder of malignant neoplasms	300	-	-	1	1	3	2	-	3	3	8	12	42	34	47	39	42	31	32	-
1-047	Remainder of neoplasms	35	-	-	-	-	-	-	-	-	-	1	-	5	3	2	3	6	6	9	-
<b>1-048</b>	<b>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>-</b>
1-049	Anaemias	3	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-
1-050	Remainder of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	5	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	-	1	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 44**  
**MALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
<b>1-051</b>	<b>Endocrine, nutritional and metabolic diseases</b>	<b>167</b>	<b>1</b>	<b>1</b>	-	-	-	-	-	-	-	4	7	25	18	23	16	26	22	24	-
1-052	Diabetes mellitus	158	-	-	-	-	-	-	-	-	-	3	6	23	17	23	15	26	21	24	-
1-053	Malnutrition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-054	Remainder of endocrine, nutritional and metabolic diseases	9	1	1	-	-	-	-	-	-	-	1	1	2	1	-	1	-	1	-	-
<b>1-055</b>	<b>Mental and behavioural disorders</b>	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
1-056	Mental and behavioural disorders due to psychoactive substance use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-057	Remainder of mental and behavioural disorders	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
<b>1-058</b>	<b>Diseases of the nervous system</b>	<b>124</b>	-	<b>1</b>	<b>2</b>	-	-	-	<b>1</b>	<b>10</b>	<b>7</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>8</b>	<b>14</b>	<b>10</b>	<b>16</b>	<b>15</b>	<b>19</b>	-
1-059	Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-060	Alzheimer's disease	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-
1-061	Remainder of diseases of the nervous system	120	-	1	2	-	-	-	1	10	7	8	7	6	8	14	10	16	14	16	-
<b>1-062</b>	<b>Diseases of the eye and adnexa</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>1-063</b>	<b>Diseases of the ear and mastoid process</b>	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<b>1-064</b>	<b>Diseases of the circulatory system</b>	<b>3,500</b>	-	<b>1</b>	<b>1</b>	-	<b>1</b>	-	<b>1</b>	<b>7</b>	<b>27</b>	<b>69</b>	<b>208</b>	<b>547</b>	<b>393</b>	<b>469</b>	<b>355</b>	<b>451</b>	<b>430</b>	<b>540</b>	-
1-065	Acute rheumatic fever and chronic rheumatic heart diseases	6	-	-	-	-	-	-	-	1	-	-	-	1	1	-	1	-	1	1	-
1-066	Hypertensive diseases	444	-	-	-	-	-	-	-	-	-	10	31	79	66	56	47	63	44	48	-
1-067	Ischaemic heart diseases	2,134	-	-	-	-	-	-	1	13	32	112	346	243	309	210	271	270	327	-	
1-068	Other heart diseases	175	-	1	1	-	1	-	4	11	12	23	24	15	20	12	19	15	17	-	
1-069	Cerebrovascular diseases.	636	-	-	-	-	-	-	1	-	2	11	38	83	57	68	71	84	90	131	-
1-070	Atherosclerosis	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	-	-
1-071	Remainder of diseases of the circulatory system	101	-	-	-	-	-	-	1	1	4	4	14	10	16	12	13	10	16	-	
<b>1-072</b>	<b>Diseases of the respiratory system</b>	<b>2,323</b>	-	-	<b>1</b>	-	-	-	-	<b>1</b>	<b>9</b>	<b>17</b>	<b>31</b>	<b>122</b>	<b>127</b>	<b>181</b>	<b>212</b>	<b>402</b>	<b>459</b>	<b>761</b>	-
1-073	Influenza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-074	Pneumonia	1,928	-	-	1	-	-	-	-	1	7	13	18	95	88	139	161	322	394	689	-
1-075	Other acute lower respiratory infections	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-076	Chronic lower respiratory diseases	321	-	-	-	-	-	-	-	-	-	2	10	20	31	32	41	68	59	58	-
1-077	Remainder of diseases of the respiratory system	74	-	-	-	-	-	-	-	-	2	2	3	7	8	10	10	12	6	14	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 44**  
**MALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
<b>1-078</b>	<b>Diseases of the digestive system</b>	<b>251</b>	-	1	-	-	1	-	-	1	1	3	16	57	27	22	29	28	28	37	-
1-079	Gastric and duodenal ulcer	26	-	-	-	-	-	-	-	-	-	-	1	5	1	-	4	3	7	5	-
1-080	Diseases of the liver	125	-	1	-	-	-	-	-	1	-	2	13	40	22	11	9	5	9	12	-
1-081	Remainder of diseases of the digestive system	100	-	-	-	-	1	-	-	-	1	1	2	12	4	11	16	20	12	20	-
<b>1-082</b>	<b>Diseases of the skin and subcutaneous tissue</b>	<b>43</b>	-	-	-	-	-	-	-	-	-	-	1	2	2	7	-	6	6	19	-
<b>1-083</b>	<b>Diseases of the musculoskeletal system and connective tissue</b>	<b>45</b>	-	-	-	-	-	-	-	-	-	1	2	7	6	3	5	8	5	8	-
<b>1-084</b>	<b>Diseases of the genitourinary system</b>	<b>362</b>	-	-	-	-	-	-	1	-	-	3	10	26	37	28	26	61	67	103	-
1-085	Glomerular and renal tubulo-interstitial diseases	9	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	3	1	-	-
1-086	Remainder of diseases of the genitourinary system	353	-	-	-	-	-	-	1	-	-	3	10	26	36	27	23	58	66	103	-
<b>1-087</b>	<b>Pregnancy, childbirth and the puerperium</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-088	Pregnancy with abortive outcome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-089	Other direct obstetric deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-090	Indirect obstetric deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-091	Remainder of pregnancy, childbirth and the puerperium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>1-092</b>	<b>Certain conditions originating in the perinatal period</b>	<b>17</b>	<b>13</b>	<b>4</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>1-093</b>	<b>Congenital malformations, deformations and chromosomal abnormalities</b>	<b>38</b>	<b>13</b>	<b>12</b>	<b>2</b>	<b>1</b>	-	-	1	1	3	-	2	1	2	-	-	-	-	-	-
<b>1-094</b>	<b>Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified</b>	<b>50</b>	-	2	-	-	1	-	1	2	6	9	5	9	2	5	2	2	-	4	-
<b>1-095</b>	<b>External causes of morbidity and mortality</b>	<b>630</b>	-	-	-	-	1	-	1	23	107	97	87	96	53	40	36	34	31	24	-
1-096	Transport accidents	127	-	-	-	-	-	-	-	3	27	26	16	23	12	7	4	3	4	2	-
1-097	Falls	113	-	-	-	-	-	-	1	2	6	6	6	11	9	12	13	16	18	13	-
1-098	Accidental drowning and submersion	18	-	-	-	-	1	-	-	-	5	1	2	4	1	-	1	2	1	-	-
1-099	Exposure to smoke, fire and flames	2	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
1-100	Accidental poisoning by and exposure to noxious substances	18	-	-	-	-	-	-	-	-	1	10	5	2	-	-	-	-	-	-	-
1-101	Intentional self-harm	279	-	-	-	-	-	-	-	14	56	37	42	52	23	19	14	11	5	6	-
1-102	Assault	14	-	-	-	-	-	-	-	-	1	5	3	3	1	-	1	-	-	-	-
1-103	All other external causes	59	-	-	-	-	-	-	-	4	11	12	12	1	7	1	3	2	3	3	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.



**Table 45**  
**FEMALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
	<b>All Causes</b>	<b>9,026</b>	<b>29</b>	<b>22</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>4</b>	<b>10</b>	<b>37</b>	<b>83</b>	<b>128</b>	<b>314</b>	<b>764</b>	<b>575</b>	<b>751</b>	<b>686</b>	<b>1,202</b>	<b>1,413</b>	<b>3,000</b>	<b>-</b>
<b>1-001</b>	<b>Certain infectious and parasitic diseases</b>	<b>59</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>17</b>	<b>-</b>
1-002	Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-003	Diarrhoea and gastroenteritis of presumed infectious origin	17	-	-	-	-	-	-	-	1	-	-	-	1	-	2	1	1	4	7	-
1-004	Other intestinal infectious diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-005	Respiratory tuberculosis	6	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	2	-
1-006	Other tuberculosis	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
1-007	Plague	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-008	Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-009	Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-010	Whooping cough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-011	Meningococcal infection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-012	Septicaemia	16	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	5	-	5	-
1-013	Infections with a predominantly sexual mode of transmission	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-014	Acute poliomyelitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-015	Rabies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-016	Yellow fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-017	Other arthropod-borne viral fevers and viral haemorrhagic fevers	5	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	1	-	-	-
1-018	Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-019	Viral hepatitis	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
1-020	Human immunodeficiency virus [HIV] disease	3	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-
1-021	Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-022	Leishmaniasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-023	Trypanosomiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-024	Schistosomiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-025	Remainder of certain infectious and parasitic diseases	10	-	-	-	1	-	-	-	-	-	-	-	2	-	-	2	1	1	3	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 45**  
**FEMALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
<b>1-026</b>	<b>Neoplasms</b>	<b>2,677</b>	-	1	-	2	1	3	2	6	16	40	167	450	279	353	254	407	307	389	-
1-027	Malignant neoplasm of lip, oral cavity and pharynx	44	-	-	-	-	-	-	-	-	-	-	5	14	7	2	2	5	3	6	-
1-028	Malignant neoplasm of oesophagus	16	-	-	-	-	-	-	-	-	-	1	-	1	2	1	2	3	3	3	-
1-029	Malignant neoplasm of stomach	142	-	-	-	-	-	-	-	-	2	1	11	18	9	14	13	25	17	32	-
1-030	Malignant neoplasm of colon, rectum and anus	406	-	-	-	-	-	-	-	-	3	5	12	58	37	54	30	61	50	96	-
1-031	Malignant neoplasm of liver and intrahepatic bile ducts	183	-	-	-	-	-	-	-	-	-	2	3	19	8	19	20	42	33	37	-
1-032	Malignant neoplasm of pancreas	168	-	-	-	-	-	-	-	-	1	-	8	20	18	33	26	20	20	22	-
1-033	Malignant neoplasm of larynx	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	3	-
1-034	Malignant neoplasm of trachea, bronchus and lung	410	-	-	-	-	-	-	-	-	-	3	18	55	49	64	36	64	69	52	-
1-035	Malignant melanoma of skin	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	-	-
1-036	Malignant neoplasm of breast	473	-	-	-	-	-	-	-	-	-	6	51	123	64	63	41	51	35	39	-
1-037	Malignant neoplasm of cervix uteri	86	-	-	-	-	-	-	-	-	-	7	8	23	14	10	5	12	3	4	-
1-038	Malignant neoplasm of other and unspecified parts of uterus	84	-	-	-	-	-	-	-	-	-	1	4	24	6	16	5	19	5	4	-
1-039	Malignant neoplasm of ovary	138	-	-	-	-	-	-	-	-	2	3	17	35	15	20	9	19	7	11	-
1-040	Malignant neoplasm of prostate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-041	Malignant neoplasm of bladder	12	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	2	1	6	-
1-042	Malignant neoplasm of meninges, brain and other parts of central nervous system	27	-	-	-	-	-	1	1	-	-	2	3	5	3	5	3	1	2	1	-
1-043	Non-Hodgkin's lymphoma	54	-	-	-	-	-	-	-	1	1	1	2	3	7	8	10	8	5	8	-
1-044	Multiple myeloma and malignant plasma cell neoplasms	32	-	-	-	-	-	-	-	-	-	-	-	4	3	6	6	6	6	1	-
1-045	Leukaemia	69	-	1	-	2	1	-	-	1	3	2	8	7	7	5	7	8	10	7	-
1-046	Remainder of malignant neoplasms	291	-	-	-	-	-	2	1	4	4	5	17	37	28	28	31	53	34	47	-
1-047	Remainder of neoplasms	33	-	-	-	-	-	-	-	-	-	1	-	2	2	2	5	7	4	10	-
<b>1-048</b>	<b>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	<b>6</b>	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	1	2	-
1-049	Anaemias	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-
1-050	Remainder of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 45**  
**FEMALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
<b>1-051</b>	<b>Endocrine, nutritional and metabolic diseases</b>	<b>196</b>	-	-	-	-	-	1	-	-	-	-	6	13	14	19	19	40	39	45	-
1-052	Diabetes mellitus	185	-	-	-	-	-	-	-	-	-	-	2	10	14	19	18	40	38	44	-
1-053	Malnutrition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-054	Remainder of endocrine, nutritional and metabolic diseases	11	-	-	-	-	-	1	-	-	-	-	4	3	-	-	1	-	1	1	-
<b>1-055</b>	<b>Mental and behavioural disorders</b>	<b>1</b>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
1-056	Mental and behavioural disorders due to psychoactive substance use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-057	Remainder of mental and behavioural disorders	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<b>1-058</b>	<b>Diseases of the nervous system</b>	<b>100</b>	-	1	-	-	-	-	-	8	4	3	1	6	11	9	5	10	17	25	-
1-059	Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-060	Alzheimer's disease	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
1-061	Remainder of diseases of the nervous system	95	-	1	-	-	-	-	-	8	4	3	1	6	11	9	5	10	17	20	-
<b>1-062</b>	<b>Diseases of the eye and adnexa</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>1-063</b>	<b>Diseases of the ear and mastoid process</b>	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
<b>1-064</b>	<b>Diseases of the circulatory system</b>	<b>2,607</b>	<b>1</b>	-	-	-	-	-	3	2	11	23	77	154	140	207	201	367	490	931	-
1-065	Acute rheumatic fever and chronic rheumatic heart diseases	16	-	-	-	-	-	-	-	-	-	-	-	5	1	3	2	2	1	2	-
1-066	Hypertensive diseases	357	-	-	-	-	-	-	-	-	-	1	16	19	25	41	37	49	68	101	-
1-067	Ischaemic heart diseases	1,262	-	-	-	-	-	-	-	-	1	4	23	62	77	92	100	197	237	469	-
1-068	Other heart diseases	182	1	-	-	-	-	-	2	2	6	12	13	18	6	16	13	14	29	50	-
1-069	Cerebrovascular diseases.	681	-	-	-	-	-	-	1	-	4	5	24	44	28	49	42	84	135	265	-
1-070	Atherosclerosis	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	6	-
1-071	Remainder of diseases of the circulatory system	99	-	-	-	-	-	-	-	-	-	1	1	6	3	6	6	21	17	38	-
<b>1-072</b>	<b>Diseases of the respiratory system</b>	<b>2,117</b>	<b>2</b>	<b>2</b>	-	-	-	-	1	3	7	9	15	55	50	79	108	223	355	1,208	-
1-073	Influenza	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
1-074	Pneumonia	1,927	-	2	-	-	-	-	1	1	3	7	8	38	44	60	100	197	321	1,145	-
1-075	Other acute lower respiratory infections	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-
1-076	Chronic lower respiratory diseases	139	-	-	-	-	-	-	-	-	2	2	6	13	3	12	7	23	20	51	-
1-077	Remainder of diseases of the respiratory system	47	2	-	-	-	-	-	-	2	2	-	1	4	3	6	1	3	12	11	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 45  
FEMALE DEATHS BY CAUSE AND AGE GROUP, 2016**

Listing	Description of Cause of Death	Total	Under 28 days	28 days & under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85 years & over	Un-known
<b>1-078</b>	<b>Diseases of the digestive system</b>	<b>216</b>	-	-	-	-	-	-	-	-	3	2	5	12	11	27	26	24	44	62	-
1-079	Gastric and duodenal ulcer	21	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	4	5	8	-
1-080	Diseases of the liver	66	-	-	-	-	-	-	-	-	1	1	2	3	7	12	11	5	15	9	-
1-081	Remainder of diseases of the digestive system	129	-	-	-	-	-	-	-	-	2	1	3	8	4	15	12	15	24	45	-
<b>1-082</b>	<b>Diseases of the skin and subcutaneous tissue</b>	<b>107</b>	-	-	-	-	-	-	-	-	1	1	1	4	7	7	3	14	17	52	-
<b>1-083</b>	<b>Diseases of the musculoskeletal system and connective tissue</b>	<b>40</b>	-	-	-	-	-	-	-	-	1	2	1	9	3	4	4	2	7	7	-
<b>1-084</b>	<b>Diseases of the genitourinary system</b>	<b>551</b>	-	-	-	-	-	-	-	-	1	3	7	19	29	24	35	78	118	237	-
1-085	Glomerular and renal tubulo-interstitial diseases	11	-	-	-	-	-	-	-	-	-	-	1	-	2	1	2	-	3	2	-
1-086	Remainder of diseases of the genitourinary system	540	-	-	-	-	-	-	-	-	1	3	6	19	27	23	33	78	115	235	-
<b>1-087</b>	<b>Pregnancy, childbirth and the puerperium</b>	<b>2</b>	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
1-088	Pregnancy with abortive outcome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-089	Other direct obstetric deaths	2	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
1-090	Indirect obstetric deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-091	Remainder of pregnancy, childbirth and the puerperium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>1-092</b>	<b>Certain conditions originating in the perinatal period</b>	<b>19</b>	<b>16</b>	<b>3</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>1-093</b>	<b>Congenital malformations, deformations and chromosomal abnormalities</b>	<b>34</b>	<b>8</b>	<b>10</b>	-	2	-	-	1	6	2	1	1	1	2	-	-	-	-	-	-
<b>1-094</b>	<b>Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified</b>	<b>33</b>	<b>1</b>	<b>2</b>	<b>1</b>	-	-	-	2	-	5	1	3	1	-	2	1	4	3	7	-
<b>1-095</b>	<b>External causes of morbidity and mortality</b>	<b>260</b>	<b>1</b>	<b>3</b>	-	-	1	-	1	11	31	40	27	34	24	16	21	23	9	18	-
1-096	Transport accidents	37	-	-	-	-	-	-	-	2	5	3	2	3	5	6	4	6	1	-	-
1-097	Falls	36	-	1	-	-	1	-	-	-	-	-	-	4	2	1	5	8	4	10	-
1-098	Accidental drowning and submersion	3	-	-	-	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-
1-099	Exposure to smoke, fire and flames	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
1-100	Accidental poisoning by and exposure to noxious substances	4	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-
1-101	Intentional self-harm	150	-	-	-	-	-	-	-	8	21	30	24	22	16	7	9	5	2	6	-
1-102	Assault	7	-	1	-	-	-	-	-	-	2	-	1	2	1	-	-	-	-	-	-
1-103	All other external causes	22	1	1	-	-	-	-	-	1	2	5	-	2	-	2	3	3	2	-	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 46**  
**DEATHS BY CAUSE, ETHNIC GROUP AND SEX, 2016**

Listing	Description of Cause of Death	Total			Ethnic Group							
					Chinese		Malays		Indians		Others	
		Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
	<b>All Causes</b>	<b>20,017</b>	<b>10,991</b>	<b>9,026</b>	<b>8,140</b>	<b>6,882</b>	<b>1,514</b>	<b>1,324</b>	<b>1,048</b>	<b>609</b>	<b>289</b>	<b>211</b>
<b>1-001</b>	<b>Certain infectious and parasitic diseases</b>	<b>174</b>	<b>115</b>	<b>59</b>	<b>79</b>	<b>43</b>	<b>22</b>	<b>11</b>	<b>13</b>	<b>5</b>	<b>1</b>	<b>-</b>
1-002	Cholera	-	-	-	-	-	-	-	-	-	-	-
1-003	Diarrhoea and gastroenteritis of presumed infectious origin	34	17	17	10	14	3	3	4	-	-	-
1-004	Other intestinal infectious diseases	3	3	-	2	-	-	-	1	-	-	-
1-005	Respiratory tuberculosis	38	32	6	25	6	5	-	2	-	-	-
1-006	Other tuberculosis	3	2	1	2	-	-	-	-	1	-	-
1-007	Plague	-	-	-	-	-	-	-	-	-	-	-
1-008	Tetanus	-	-	-	-	-	-	-	-	-	-	-
1-009	Diphtheria	-	-	-	-	-	-	-	-	-	-	-
1-010	Whooping cough	-	-	-	-	-	-	-	-	-	-	-
1-011	Meningococcal infection	-	-	-	-	-	-	-	-	-	-	-
1-012	Septicaemia	29	13	16	10	11	2	2	1	3	-	-
1-013	Infections with a predominantly sexual mode of transmission	-	-	-	-	-	-	-	-	-	-	-
1-014	Acute poliomyelitis	-	-	-	-	-	-	-	-	-	-	-
1-015	Rabies	-	-	-	-	-	-	-	-	-	-	-
1-016	Yellow fever	-	-	-	-	-	-	-	-	-	-	-
1-017	Other arthropod-borne viral fevers and viral haemorrhagic fevers	12	7	5	5	3	1	2	1	-	-	-
1-018	Measles	-	-	-	-	-	-	-	-	-	-	-
1-019	Viral hepatitis	2	1	1	1	-	-	-	-	1	-	-
1-020	Human immunodeficiency virus [HIV] disease	28	25	3	17	1	7	2	1	-	-	-
1-021	Malaria	-	-	-	-	-	-	-	-	-	-	-
1-022	Leishmaniasis	-	-	-	-	-	-	-	-	-	-	-
1-023	Trypanosomiasis	-	-	-	-	-	-	-	-	-	-	-
1-024	Schistosomiasis	-	-	-	-	-	-	-	-	-	-	-
1-025	Remainder of certain infectious and parasitic diseases	25	15	10	7	8	4	2	3	-	1	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 46**  
**DEATHS BY CAUSE, ETHNIC GROUP AND SEX, 2016**

Listing	Description of Cause of Death	Total			Ethnic Group							
		Total	Males	Females	Chinese		Malays		Indians		Others	
					Males	Females	Males	Females	Males	Females	Males	Females
<b>1-026</b>	<b>Neoplasms</b>	<b>5,993</b>	<b>3,316</b>	<b>2,677</b>	<b>2,690</b>	<b>2,124</b>	<b>349</b>	<b>335</b>	<b>187</b>	<b>140</b>	<b>90</b>	<b>78</b>
1-027	Malignant neoplasm of lip, oral cavity and pharynx	219	175	44	142	33	19	6	9	3	5	2
1-028	Malignant neoplasm of oesophagus	108	92	16	74	14	6	1	9	-	3	1
1-029	Malignant neoplasm of stomach	341	199	142	174	130	8	4	11	6	6	2
1-030	Malignant neoplasm of colon, rectum and anus	881	475	406	393	337	54	50	19	11	9	8
1-031	Malignant neoplasm of liver and intrahepatic bile ducts	634	451	183	367	154	42	20	26	4	16	5
1-032	Malignant neoplasm of pancreas	339	171	168	145	143	10	16	10	7	6	2
1-033	Malignant neoplasm of larynx	36	31	5	26	5	3	-	2	-	-	-
1-034	Malignant neoplasm of trachea, bronchus and lung	1,253	843	410	693	347	89	45	46	10	15	8
1-035	Malignant melanoma of skin	14	10	4	8	3	1	-	-	1	1	-
1-036	Malignant neoplasm of breast	475	2	473	2	330	-	80	-	46	-	17
1-037	Malignant neoplasm of cervix uteri	86	-	86	-	65	-	13	-	5	-	3
1-038	Malignant neoplasm of other and unspecified parts of uterus	84	-	84	-	66	-	11	-	6	-	1
1-039	Malignant neoplasm of ovary	138	-	138	-	90	-	30	-	12	-	6
1-040	Malignant neoplasm of prostate	195	195	-	159	-	20	-	11	-	5	-
1-041	Malignant neoplasm of bladder	78	66	12	48	9	11	1	5	1	2	1
1-042	Malignant neoplasm of meninges, brain and other parts of central nervous system	76	49	27	32	22	7	4	8	1	2	-
1-043	Non-Hodgkin's lymphoma	161	107	54	82	42	17	6	5	1	3	5
1-044	Multiple myeloma and malignant plasma cell neoplasms	67	35	32	25	23	8	6	2	2	-	1
1-045	Leukaemia	149	80	69	53	45	16	10	5	4	6	10
1-046	Remainder of malignant neoplasms	591	300	291	243	239	28	28	18	18	11	6
1-047	Remainder of neoplasms	68	35	33	24	27	10	4	1	2	-	-
<b>1-048</b>	<b>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</b>	<b>14</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>-</b>
1-049	Anaemias	7	3	4	1	1	-	2	-	1	2	-
1-050	Remainder of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	7	5	2	3	-	2	2	-	-	-	-

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 46**  
**DEATHS BY CAUSE, ETHNIC GROUP AND SEX, 2016**

Listing	Description of Cause of Death	Total			Ethnic Group							
					Chinese		Malays		Indians		Others	
		Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
<b>1-051</b>	<b>Endocrine, nutritional and metabolic diseases</b>	<b>363</b>	<b>167</b>	<b>196</b>	<b>121</b>	<b>146</b>	<b>30</b>	<b>34</b>	<b>15</b>	<b>14</b>	<b>1</b>	<b>2</b>
1-052	Diabetes mellitus	343	158	185	115	139	28	33	14	12	1	1
1-053	Malnutrition	-	-	-	-	-	-	-	-	-	-	-
1-054	Remainder of endocrine, nutritional and metabolic diseases	20	9	11	6	7	2	1	1	2	-	1
<b>1-055</b>	<b>Mental and behavioural disorders</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
1-056	Mental and behavioural disorders due to psychoactive substance use	-	-	-	-	-	-	-	-	-	-	-
1-057	Remainder of mental and behavioural disorders	2	1	1	1	1	-	-	-	-	-	-
<b>1-058</b>	<b>Diseases of the nervous system</b>	<b>224</b>	<b>124</b>	<b>100</b>	<b>91</b>	<b>73</b>	<b>17</b>	<b>15</b>	<b>12</b>	<b>10</b>	<b>4</b>	<b>2</b>
1-059	Meningitis	-	-	-	-	-	-	-	-	-	-	-
1-060	Alzheimer's disease	9	4	5	3	3	1	2	-	-	-	-
1-061	Remainder of diseases of the nervous system	215	120	95	88	70	16	13	12	10	4	2
<b>1-062</b>	<b>Diseases of the eye and adnexa</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>1-063</b>	<b>Diseases of the ear and mastoid process</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>1-064</b>	<b>Diseases of the circulatory system</b>	<b>6,107</b>	<b>3,500</b>	<b>2,607</b>	<b>2,411</b>	<b>1,903</b>	<b>580</b>	<b>430</b>	<b>412</b>	<b>217</b>	<b>97</b>	<b>57</b>
1-065	Acute rheumatic fever and chronic rheumatic heart diseases	22	6	16	5	11	1	3	-	2	-	-
1-066	Hypertensive diseases	801	444	357	337	261	50	56	47	31	10	9
1-067	Ischaemic heart diseases	3,396	2,134	1,262	1,411	912	377	210	292	121	54	19
1-068	Other heart diseases	357	175	182	116	125	26	30	18	15	15	12
1-069	Cerebrovascular diseases.	1,317	636	681	471	512	106	114	47	40	12	15
1-070	Atherosclerosis	14	4	10	2	8	2	1	-	1	-	-
1-071	Remainder of diseases of the circulatory system	200	101	99	69	74	18	16	8	7	6	2
<b>1-072</b>	<b>Diseases of the respiratory system</b>	<b>4,440</b>	<b>2,323</b>	<b>2,117</b>	<b>1,795</b>	<b>1,657</b>	<b>312</b>	<b>300</b>	<b>176</b>	<b>128</b>	<b>40</b>	<b>32</b>
1-073	Influenza	1	-	1	-	1	-	-	-	-	-	-
1-074	Pneumonia	3,855	1,928	1,927	1,503	1,526	244	267	149	109	32	25
1-075	Other acute lower respiratory infections	3	-	3	-	2	-	-	-	1	-	-
1-076	Chronic lower respiratory diseases	460	321	139	234	98	60	27	19	10	8	4
1-077	Remainder of diseases of the respiratory system	121	74	47	58	30	8	6	8	8	-	3

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.

**Table 46**  
**DEATHS BY CAUSE, ETHNIC GROUP AND SEX, 2016**

Listing	Description of Cause of Death	Total			Ethnic Group							
					Chinese		Malays		Indians		Others	
		Total	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
<b>1-078</b>	<b>Diseases of the digestive system</b>	<b>467</b>	<b>251</b>	<b>216</b>	<b>169</b>	<b>164</b>	<b>36</b>	<b>33</b>	<b>41</b>	<b>14</b>	<b>5</b>	<b>5</b>
1-079	Gastric and duodenal ulcer	47	26	21	23	17	1	3	1	1	1	-
1-080	Diseases of the liver	191	125	66	78	47	20	9	26	7	1	3
1-081	Remainder of diseases of the digestive system	229	100	129	68	100	15	21	14	6	3	2
<b>1-082</b>	<b>Diseases of the skin and subcutaneous tissue</b>	<b>150</b>	<b>43</b>	<b>107</b>	<b>29</b>	<b>85</b>	<b>9</b>	<b>14</b>	<b>4</b>	<b>6</b>	<b>1</b>	<b>2</b>
<b>1-083</b>	<b>Diseases of the musculoskeletal system and connective tissue</b>	<b>85</b>	<b>45</b>	<b>40</b>	<b>23</b>	<b>26</b>	<b>15</b>	<b>6</b>	<b>6</b>	<b>7</b>	<b>1</b>	<b>1</b>
<b>1-084</b>	<b>Diseases of the genitourinary system</b>	<b>913</b>	<b>362</b>	<b>551</b>	<b>257</b>	<b>405</b>	<b>67</b>	<b>97</b>	<b>31</b>	<b>40</b>	<b>7</b>	<b>9</b>
1-085	Glomerular and renal tubulo-interstitial diseases	20	9	11	8	8	1	1	-	2	-	-
1-086	Remainder of diseases of the genitourinary system	893	353	540	249	397	66	96	31	38	7	9
<b>1-087</b>	<b>Pregnancy, childbirth and the puerperium</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
1-088	Pregnancy with abortive outcome	-	-	-	-	-	-	-	-	-	-	-
1-089	Other direct obstetric deaths	2	-	2	-	1	-	1	-	-	-	-
1-090	Indirect obstetric deaths	-	-	-	-	-	-	-	-	-	-	-
1-091	Remainder of pregnancy, childbirth and the puerperium	-	-	-	-	-	-	-	-	-	-	-
<b>1-092</b>	<b>Certain conditions originating in the perinatal period</b>	<b>36</b>	<b>17</b>	<b>19</b>	<b>10</b>	<b>7</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>
<b>1-093</b>	<b>Congenital malformations, deformations and chromosomal abnormalities</b>	<b>72</b>	<b>38</b>	<b>34</b>	<b>17</b>	<b>20</b>	<b>17</b>	<b>11</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>-</b>
<b>1-094</b>	<b>Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified</b>	<b>83</b>	<b>50</b>	<b>33</b>	<b>31</b>	<b>20</b>	<b>4</b>	<b>5</b>	<b>10</b>	<b>3</b>	<b>5</b>	<b>5</b>
<b>1-095</b>	<b>External causes of morbidity and mortality</b>	<b>890</b>	<b>630</b>	<b>260</b>	<b>411</b>	<b>206</b>	<b>50</b>	<b>21</b>	<b>136</b>	<b>18</b>	<b>33</b>	<b>15</b>
1-096	Transport accidents	164	127	37	66	30	27	6	28	-	6	1
1-097	Falls	149	113	36	85	34	8	1	17	1	3	-
1-098	Accidental drowning and submersion	21	18	3	9	2	3	-	4	-	2	1
1-099	Exposure to smoke, fire and flames	3	2	1	1	1	1	-	-	-	-	-
1-100	Accidental poisoning by and exposure to noxious substances	22	18	4	13	4	2	-	3	-	-	-
1-101	Intentional self-harm	429	279	150	197	120	7	7	61	14	14	9
1-102	Assault	21	14	7	6	5	-	2	4	-	4	-
1-103	All other external causes	81	59	22	34	10	2	5	19	3	4	4

Note: The causes of death are adapted from the Mortality Tabulation List of the International Classification of Diseases - Tenth Revision.