



# Health Facts 2019

Reference Data for 2018

**MINISTRY OF HEALTH MALAYSIA**  
Planning Division  
Health Informatics Centre  
MOH/S/RAN/152.19(PT)-e  
(NOVEMBER 2019)

# Land Area, Population and Vital Statistics

Land Area : Malaysia - 330,524.19 sq.km

Population and Vital Statistics	2018 <sup>e</sup>	
	Total	Male
Total Population <sup>a</sup> ('000)	32,385.0	16,721.6
Total Population Density (per sq.km)	98.0	
Population by Age Group: (number & percentage)		
- below 15 years ('000)	7,705.0 (23.8%)	3,971.7 (23.8%)
- 15 - 64 years ('000)	22,581.0 (69.7%)	11,735.2 (70.2%)
- 65 years & above ('000)	2,098.9 (6.5%)	1,014.7 (6.0%)
Annual Population Growth Rate (%)	1.13	1.08
Crude Birth Rate (per 1,000 population)		
Crude Death Rate (per 1,000 population)		
Stillbirth Rate (per 1,000 births)		
Perinatal Mortality Rate (per 1,000 births)		
Neonatal Mortality Rate (per 1,000 live births)		
Infant Mortality Rate (per 1,000 live births)		
Toddler Mortality Rate (per 1,000 population aged 1-4 years)		
Under-5 Mortality Rate (per 1,000 live births)		
Maternal Mortality Ratio (per 100,000 live births)		
Life Expectancy at Birth (in years)	75.0 <sup>e</sup>	72.7 <sup>e</sup>
Distribution Live Births by Birthweight (%):		
- Under 2.5 kg		
- 2.5 kg & over		
- Unknown		

**Notes:**

<sup>o</sup> 2016 - 2018 : Current Population estimates ; 2016 and 2017 (final), 2018 (estimates)

The added total may differ due to rounding

Source: Department of Survey & Mapping, Malaysia

		2017			2016		
Female	Total	Male	Female	Total	Male	Female	
15,663.4	32,022.6	16,542.7	15,479.8	31,633.5	16,346.3	15,287.2	
		97.0			96.0		
3,733.3 (23.8%)	7,728.2 (24.1%)	3,983.0 (24.1%)	3,745.2 (24.2%)	7,759.8 (24.5%)	3,998.2 (24.4%)	3,761.6 (24.6%)	
10,845.8 (69.2%)	22,292.8 (69.6%)	11,591.1 (70.1%)	10,701.7 (69.1%)	21,962.3 (69.4%)	11,422.4 (69.9%)	10,539.9 (69.0%)	
1,084.2 (6.9%)	2,001.6 (6.3%)	968.6 (5.9%)	1,033.0 (6.7%)	1,911.4 (6.1%)	925.6 (5.7%)	985.8 (6.4%)	
1.18	1.22	1.19	1.25	1.42	1.44	1.40	
	15.9	15.9	15.9	16.1	16.1	16.1	
	5.3	5.8	4.6	5.1	5.7	4.5	
	5.4	5.9	4.9	5.2	5.2	5.2	
	8.7	9.5	7.9	8.3	8.5	8.1	
	4.4	4.8	4.0	4.2	4.4	3.9	
	6.9	7.4	6.3	6.7	7.1	6.2	
	0.4	0.4	0.3	0.4	0.4	0.3	
	8.4	9.1	7.7	8.1	8.6	7.6	
	25.0	:	25.0	29.1	:	29.1	
77.6 <sup>e</sup>	74.6 <sup>p</sup>	72.3 <sup>p</sup>	77.3 <sup>p</sup>	74.4	72.1	77.0	
	11.7	10.6	12.8	11.4	10.5	12.4	
	88.2	89.3	87.1	88.5	89.4	87.4	
	0.1	0.1	0.1	0.1	0.1	0.1	

e - Estimates

p - Preliminary

: Not applicables

■ Data not yet available

Source: Department of Statistics, Malaysia

## Financial Allocation 2019

<b>Total MoH Allocation</b>	<b>RM 28,678,743,500</b>
- Operating	RM 26,498,317,300
- Development	RM 2,180,426,200
Per Capita Income <sup>1</sup> (current prices)	RM 44,870
Percentage of Total MoH Allocation to National Budget	9.12%

Sources: *Estimated Federal Budget 2019, Ministry of Finance*  
*<sup>1</sup>Department of Statistics, Malaysia*

## National Health Accounts

Indicator	2016	2017
Total Expenditure on Health (Public & Private)(In Million)	RM 52,018 <sup>1</sup> (RM 51,742) <sup>2</sup>	RM 57,361
Total Expenditure on Health as a Percentage of GDP	4.23% <sup>1</sup> (4.21%) <sup>2</sup>	4.24%
Public Expenditure as a Percentage of Total Expenditure on Health	51.28% <sup>1</sup> (51.53%) <sup>2</sup>	51.15%

<sup>1</sup> Final Figure: Data from 1997-2017 MNHA database

<sup>2</sup> Data from 1997-2016 MNHA database, published in Health Facts 2018

Source: Database MNHA 1997 - 2017, MNHA Section, Planning Division, MoH



# Healthcare Facilities 2018 (as of 31 December)

## Government

- Ministry of Health

	No.	Official beds
<b>Hospitals and Special Medical Institutions</b>	144	42,424 <sup>3</sup>
- No. of Hospitals	135	37,609
- No. of Special Medical Institutions <sup>1</sup>	9	4,815

	No.	Teams
<b>Health Clinics</b>		
- Health Clinics <sup>2</sup>	1,090	-
- Community Clinics (K.Desha)	1,791	-
- Mobile Health Clinics (Teams)	-	217
- Flying Doctor Services (Teams)	4	10

(Helicopters)

<sup>1</sup> Refers to Rehabilitation Hospital (1), Women & Children Hospital (1), National Leprosy Control Centre (1), Institute of Respiratory Medicine (1), National Cancer Institute (1) and Psychiatric Institutions (4)

<sup>2</sup> Health Clinics include Maternal & Child Health Clinics

<sup>3</sup> Total official beds as reported in SMRP 2.0

# Healthcare Facilities 2018 (as of 31 December)

## Government (cont'd.)

- Ministry of Health

	No.	Dental Chairs
<b>Dental Clinics</b>		
- Standalone Dental Clinics	56	540
- Dental Clinics in Health Clinics <sup>1</sup>	586	1,563
- Dental Clinics in Hospitals	70	429
- Dental Clinics in Other Institutes	21	21
- School Dental Clinics <sup>2</sup>	924	869
- Mobile Dental Clinics <sup>2</sup>	35	63
<b>Dental Mobile Teams</b>		
- Pre-School	136	} 2,264 <sup>3</sup>
- Primary and Secondary School	461	
- Elderly and Special Children	5	

<sup>1</sup> Include Dental Clinics in Maternal & Child Health Clinics

<sup>2</sup> Include Dental Clinics in primary and secondary school

<sup>3</sup> Refers to portable chairs

# Healthcare Facilities 2018 (as of 31 December)

## Government (cont'd.)

- Ministry of Health

	No.	Teams
<b>1Malaysia Clinics</b>		
- 1Malaysia Clinics	343	-
- 1Malaysia Mobile Clinics (Bus)	7	12
- 1Malaysia Mobile Clinics (Boat)	4	8

	No.	Dental Chairs
- 1Malaysia Dental Clinics (UTC)	22	44
- 1Malaysia Dental Clinics (RTC)	5	11
- 1Malaysia Dental Mobile Clinics (Bus)	1	1
- 1Malaysia Dental Mobile Clinics (Boat)	2	2 <sup>1</sup>

- Non Ministry of Health

	No.	Official beds
Hospitals <sup>2</sup>	10	4,187

<sup>1</sup> Refers to portable chairs

<sup>2</sup> Refers to 5 Army Hospitals and 5 University Hospitals

# Healthcare Facilities 2018 (as of 31 December)

## Private

- **Licensed**

	<b>No.</b>	<b>Official Beds</b>
Hospitals	210	15,957
Maternity Homes	18	56
Nursing Homes	21	797
Hospice	3	29
Ambulatory Care Centre	117	174
Blood Bank	5	28 <sup>1</sup>
Haemodialysis Centre	479	5,845 <sup>2</sup>
Community Mental Health Centre	1	-
Combined Facilities <sup>3</sup>	2	22/29 <sup>2</sup>

- **Registered**

	<b>No.</b>	<b>Official Beds</b>
Medical Clinics	7,718	-
Dental Clinics	2,311	-

<sup>1</sup> Refers to banks/Tanks

<sup>2</sup> Refers to Dialysis Chairs

<sup>3</sup> Combination of Ambulatory Care and Haemodialysis Centre

Source: Medical Practice Division, MoH.

# Health Human Resources 2018 (as of 31 December)

	MoH	Non-MoH	Private	Total	Profession: Population <sup>d</sup>	
Doctors <sup>a</sup>	43,052 <sup>1</sup>	3,457 <sup>2</sup>	14,649 <sup>3</sup>	61,158	1:	530
Dentists <sup>4</sup>	5,768	687	3,244	9,699	1:	3,339
Pharmacists <sup>5</sup>	7,988	258	5,174	13,420	1:	2,413
Opticians <sup>6</sup>	n.a	n.a	2,448	2,448	1:	13,229
Optometrists <sup>6</sup>	286	59	1,298	1,643	1:	19,711
Assistant Medical Officers	14,353 <sup>1</sup>	523 <sup>7</sup>	3,019 <sup>7</sup>	17,895	1:	1,810
Nurses	65,153 <sup>1</sup>	6,346 <sup>8</sup>	34,874 <sup>8</sup>	106,373	1:	304
Pharmacy Assistants	4,199 <sup>1</sup>	425 <sup>5</sup>	1,652 <sup>5</sup>	6,276	1:	5,160
Assistant Environmental Health Officers	5,084 <sup>1</sup>	n.a	n.a	5,084	1:	6,370
Medical Laboratory Technologists	6,406 <sup>1</sup>	n.a	n.a	6,406	1:	5,055

# Health Human Resources 2018 (as of 31 December)

	MoH	Non-MoH	Private	Total	Profession: Population <sup>d</sup>
Occupational Therapists	1,175 <sup>1</sup>	n.a	n.a	1,175	1: 27,562
Physiotherapists	1,421 <sup>1</sup>	n.a	n.a	1,421	1: 22,790
Radiographers (Diagnostic & Therapists)	2,909 <sup>1</sup>	n.a	n.a	2,909	1: 11,133
Dental Therapists <sup>b</sup>	2,863 <sup>1</sup>	n.a	n.a	2,863	1: 3,488
Community Nurses	23,136 <sup>1</sup>	75 <sup>8</sup>	279 <sup>8</sup>	23,490	1: 1,379
Dental Technologists	924 <sup>1</sup>	n.a	n.a	924	1: 35,049
Dental Surgery Assistants	3,987 <sup>1</sup>	n.a	n.a	3,987	1: 8,123
Traditional & Complementary Medicine Practitioners <sup>c</sup>	n.a	n.a	16,162 <sup>9</sup>	16,162	1: 2,004

# Health Human Resources 2018 (as of 31 December)

Note:

*n.a.: not available*

<sup>a</sup> *Includes House Officers*

<sup>b</sup> *formerly known as Dental Nurses*

<sup>c</sup> *refers to registration of local and foreign practitioners*

<sup>d</sup> *Current Population Estimated (estimate)*

Sources:

<sup>1</sup> *Human Resources Division, MoH*

<sup>2</sup> *Ministry of Education and Ministry of Defence (MinDef)*

<sup>3</sup> *Malaysian Medical Council*

<sup>4</sup> *Malaysian Dental Council*

<sup>5</sup> *Pharmacy Board Malaysia*

<sup>6</sup> *Malaysian Optical Council*

<sup>7</sup> *Malaysian Assistant Board*

<sup>8</sup> *Malaysian Nursing Board*

<sup>9</sup> *Traditional & Complementary Medicine Division, MoH*

# Admissions and Outpatient Attendances 2018

## Government

- Ministry of Health

Admissions <sup>1</sup>	2017 actual	2018 Preliminary
- Hospitals	2,337,291	2,579,617
- Special Medical Institutions	50,267	50,209

### Outpatient Attendances

- Hospitals	21,392,212
- Special Medical Institutions <sup>2</sup>	335,631
- Public Health Facilities <sup>3</sup>	45,216,232

### Day Care Attendances<sup>4</sup>

- Hospitals	1,523,325
- Special Medical Institutions	25,892

### Clinical Support Service Attendances

	Manual Submission	MyHDW Submission
- Medical Rehabilitation (Hearing) <sup>5</sup>	180,920	116,834
- Medical Rehabilitation (Speech) <sup>6</sup>	78,684	49,063
- Medical Social Services <sup>7</sup>	129,429	22,097
- Dietetic <sup>8</sup>	303,368	132,176
- Medical Rehabilitation (Occupational Therapy) <sup>9</sup>	1,237,219	241,519
- Medical Rehabilitation (Physiotherapy) <sup>10</sup>	2,795,331	466,756

### Dental Health Attendances

- Dental Clinics	13,390,420
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# Admissions and Outpatient Attendances 2018

## Government (cont'd.)

- **Ministry of Health**

### Maternal & Child Health Attendances

- Antenatal Attendances	6,219,159
- Postnatal Attendances	496,640
- Child Attendances	9,938,375

- **Non Ministry of Health Hospitals**

- Admissions	162,113
- Outpatient Attendances	2,474,857

- **Private Hospitals<sup>11</sup>**

- Admissions	1,099,045
- Outpatient Attendances	3,817,392

<sup>1</sup> Based on 98.44 % submission rate.

<sup>2</sup> Based on 93.33 % response rate.

<sup>3</sup> Based on 99.31 % response rate.

<sup>4</sup> Based on 89.10 % response rate.

<sup>5</sup> Based on 64.58 % submission rate.

<sup>6</sup> Based on 62.35 % submission rate.

<sup>7</sup> Based on 17.07 % submission rate.

<sup>8</sup> Based on 43.57 % submission rate.

<sup>9</sup> Based on 19.52 % submission rate.

<sup>10</sup> Based on 16.70 % submission rate.

<sup>11</sup> Based on 88.78 % response rate. Include Private Hospitals, Private Maternity Homes, Private Nursing Homes and Private Hospice

## Ten Principal Causes of Hospitalisation in MoH Hospital 2018

1	Pregnancy, childbirth and the puerperium	22.19%
2	Diseases of the respiratory system	13.86%
3	Certain conditions originating in the perinatal period	9.29%
4	Diseases of the circulatory system	8.01%
5	Certain infectious and parasitic diseases	7.45%
6	Injury, poisoning and certain other consequences of external causes	6.98%
7	Neoplasms	4.62%
8	Diseases of the digestive system	4.60%
9	Diseases of the genitourinary system	4.13%
10	Endocrine, nutritional and metabolic diseases	3.07%

## Ten Principal Causes of Deaths\* in MoH Hospital 2018

1	Diseases of the circulatory system	21.65%
2	Diseases of the respiratory system	21.06%
3	Certain infectious and parasitic diseases	12.80%
4	Neoplasms	11.82%
5	Diseases of the genitourinary system	5.61%
6	Endocrine, nutritional and metabolic diseases	5.12%
7	Diseases of the digestive system	4.70%
8	External causes of morbidity and mortality	4.36%
9	Certain conditions originating in the perinatal period	2.31%
10	Diseases of the nervous system	1.90%

Note: Based on 3 digit code grouping ICD 10.

\* Based on underlying causes of deaths

## Ten Principal Causes of Hospitalisation in Private Hospital 2018

1	Diseases of the respiratory system	18.73%
2	Certain infectious and parasitic diseases	13.62%
3	Diseases of the digestive system	10.20%
4	Pregnancy, childbirth and the puerperium	7.90%
5	Injury, poisoning and certain other consequences of external causes	7.62%
6	Diseases of the genitourinary system	6.82%
7	Diseases of the circulatory system	6.50%
8	Diseases of the musculoskeletal system and connective tissue	6.28%
9	Neoplasms	4.00%
10	Factors influencing health status and contact with health services	3.66%

## Ten Principal Causes of Death in Private Hospital 2018

1	Neoplasms	30.11%
2	Diseases of the circulatory system	23.79%
3	Diseases of the respiratory system	15.01%
4	Certain infectious and parasitic diseases	13.67%
5	Diseases of the digestive system	4.02%
6	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	3.10%
7	Diseases of the genitourinary system	3.03%
8	Injury, poisoning and certain other consequences of external causes	1.50%
9	Diseases of the nervous system	1.09%
10	Endocrine, nutritional and metabolic diseases	0.99%

Note: Based on 3 digit code grouping ICD 10.

# Ten Principal Causes of Hospitalisation in MoH & Private Hospital 2018

1	Pregnancy, childbirth and the puerperium	18.48%
2	Diseases of the respiratory system	15.12%
3	Certain infectious and parasitic diseases	9.05%
4	Diseases of the circulatory system	7.62%
5	Certain conditions originating in the perinatal period	7.22%
6	Injury, poisoning and certain other consequences of external causes	7.15%
7	Diseases of the digestive system	6.05%
8	Diseases of the genitourinary system	4.83%
9	Neoplasms	4.46%
10	Factors influencing health status and contact with health services	3.09%

Note: Based on 3 digit code grouping ICD 10.

# Incidence Rate and Mortality Rate of Communicable Diseases 2018 (per 100,000 population)

Communicable Diseases	Incidence Rate	Mortality Rate
<b>Food and Water Borne Diseases</b>		
Cholera	0.50	0.00
Dysentery	0.50	0
Food Poisoning	45.71	0.02
Hepatitis A	0.30	0
Typhoid And Paratyphi	0.53	0.02
<b>Vector Borne Diseases</b>		
Dengue	244.07	0
Dengue Haemorrhagic Fever	1.23	0.45
Malaria	14.09	0.04
Plague	0	0
Typhus	0	0
Yellow Fever	0	0
<b>Vaccine Preventable Diseases</b>		
Acute Poliomyelitis	0	0
Diphtheria	0.05	0.02
Hepatitis B	14.52	0.21
Measles	5.96	0.02
Neonatal Tetanus <sup>1</sup>	0.08	0.02
Other Tetanus	0.09	0.01
Whooping Cough (Pertusis)	2.71	0.07

# Incidence Rate and Mortality Rate of Communicable Diseases 2018

(per 100,000 population)

Communicable Diseases	Incidence Rate	Mortality Rate
<b>Sexually Transmitted Diseases</b>		
Chancroid	0.01	0
Gonorrhoea	9.52	0
Syphilis	9.36	0.05
<b>Other Infectious Diseases</b>		
AIDS	2.80	2.48
Ebola	0	0
Hand, Foot & Mouth Diseases	232.62	0.01
Hepatitis C	8.65	0.34
HIV	10.02	0.50
Leprosy	0.57	0
Leptospirosis	15.39	0.11
Other Specified Viral Hepatitis	0.02	0
Rabies	0.03	0.03
Relapsing Fever	0	0
Tuberculosis	78.62	6.65
Viral Encephalitis	0.10	0.01

<sup>1</sup> per 1,000 live birth

Source: Disease Control Division, MoH

# Childhood Immunisation Coverage 2018

B.C.G. Immunisation Coverage of Infants <sup>1</sup>	98.43%
DPT - Hib Immunisation Coverage of Infants (3rd Dose) <sup>2(P)</sup>	100.22%
Polio Immunisation Coverage of Infants (3rd Dose) <sup>2(P)</sup>	100.22%
MMR Immunisation Coverage of Children Aged 1 to < 2 years	87.75%
Hepatitis B Immunisation Coverage of Infant (3rd Dose - Completed Dose) <sup>2(P)</sup>	99.16%
HPV Immunisation Coverage of Girls 13 years (2nd Dose) <sup>3</sup>	82.23%

<sup>1</sup> Denominator: Live births from TBIS (Tuberculosis Information System)

<sup>2</sup> Denominator: Live births (2017) from Department of Statistics, Malaysia

<sup>3</sup> Denominator: Female population aged 13 years

<sup>(P)</sup> Preliminary

Source: Family Health Development Division, MoH

## Environmental Health for Rural Area<sup>1</sup> 2018

Percentage of Houses Served with Safe Water Supply	95.89%
Percentage of Houses Served with Sanitary Latrines	95.92%
Percentage of Houses Served with Sullage Disposal	69.61%
Percentage of Houses Served with Solid Waste Disposal	73.47%

<sup>1</sup> Rural area refers to area outside Local Authority/Municipality's operational area.