



HEALTH FACTS 2012

MINISTRY OF HEALTH MALAYSIA

(JULY 2012)

Health Informatics Centre
Planning and Development Division
MOH/S/RAN/31.12(TR)

Vision for Health

A nation working together for better health.

Mission of Ministry of Health

The mission of the Ministry of Health is to lead and work in partnership:

- i. to facilitate and support the people to:
 - attain fully their potential in health
 - appreciate health as a valuable asset
 - take individual responsibility and positive action for their health
- ii. to ensure a high quality health system, that is:
 - customer centred
 - equitable
 - affordable
 - efficient
 - technologically appropriate
 - environmentally adaptable
 - innovative
- iii. with emphasis on:
 - professionalism, caring and teamwork value
 - respect for human dignity
 - community participation

Thrust Four of 10MP : To Improve The Standard and Sustainability of Quality of Life

Transforming Healthcare To Improve Quality And Provide Universal Access

Ensuring the health and well-being of the *Rakyat* is essential for the achievements of Vision 2020 in line with the National Missions Thrust in particular Thrust Four which is 'To improve the standard and sustainability of quality of life'. With the commencement of the 10th Malaysia Plan in 2011, the Government of Malaysia plans to reform the healthcare delivery system with a focus on four key areas :

- Transforming delivery of the healthcare system;
- Increasing quality, capacity and coverage of the healthcare infrastructure;
- Shifting towards wellness and disease prevention, rather than treatment; and
- Increasing the quality of human resource for health.

Land Area

Malaysia

330,289 sq. km

Source : Department of Survey & Mapping, Malaysia

Population and Vital Statistics	2011			2010 ^P			2009 ^b		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
	Total Population ^a ('000)	28,964.3	14,912.0	14,052.3	28,588.6	14,730.5	13,858.1	28,081.5	14,456.9
Population Density (per sq. km)	88			86			85		
Population By Age Group: ^a (number & percentage)									
• Below 15 years ('000)	7,784.6 (26.9%)	3,993.2 (26.8%)	3,791.4 (27.0%)	7,822.1 (27.4%)	4,011.1 (27.2%)	3,811.0 (27.5%)	7,865.3 (28.0%)	4,034.3 (27.9%)	3,831.0 (28.1%)
• 15 - 64 years ('000)	19,704.5 (68.0%)	10,208.8 (68.4%)	9,495.6 (67.6%)	19,341.4 (67.6%)	10,031.6 (68.1%)	9,309.8 (67.2%)	18,853.3 (67.1%)	9,766.9 (67.6%)	9,086.3 (66.7%)
• 65 years & above ('000)	1,475.3 (5.1%)	710.0 (4.8%)	765.3 (5.4%)	1,425.1 (5.0%)	687.9 (4.7%)	737.3 (5.3%)	1,362.9 (4.9%)	655.7 (4.5%)	707.2 (5.2%)
Annual Population Growth Rate (%)	1.3	1.2	1.4	1.8	1.9	1.7	1.8	1.9	1.7
Crude Birth Rate (per 1,000 population)				17.5	17.8	17.2	18.5	18.8	18.2
Crude Death Rate (per 1,000 population)				4.8	5.4	4.1	4.8	5.5	4.2
Stillbirth Rate (per 1,000 births)				4.6	4.7	4.3	4.4	4.8	4.1
Perinatal Mortality Rate (per 1,000 births)				7.8	-	-	7.6	8.4	6.8
Neonatal Mortality Rate (per 1,000 live births)				4.4	-	-	4.3	4.9	3.7
Infant Mortality Rate (per 1,000 live births)				6.8	7.5	6.1	6.9	7.5	6.2
Toddler Mortality Rate (per 1,000 population aged 1-4 years)				0.4	-	-	0.4	0.5	0.4
Under - 5 Mortality Rate (per 1,000 live births)				8.5	-	-	8.5	9.2	7.7
Maternal Mortality Ratio (per 100,000 live births)				27.3	-	-	27.0	-	-
Life Expectancy at Birth (in years)				-	71.9	77.0	-	71.6	76.5
Distribution of Live Births by Birthweight (%):									
		• Under 2.5 kg		11.1	10.2	12.1	11.2	10.2	12.2
		• 2.5 kg & over		88.9	89.8	87.9	88.8	89.8	87.8

^a 2011 : Population Projections based on the Population and Housing Census of Malaysia 2010, adjusted for under enumeration.

2010 : Mid-year population estimates based on the Population and Housing Census of Malaysia 2010, adjusted for under enumeration.

2009 : Intercensal Population Estimates based on the Population and Housing Census of Malaysia 2000 & 2010, adjusted for under enumeration.

The added total differ due to rounding.

^b: Final Figures (Vital Statistics only)

^P: Provisional/Preliminary data (Vital Statistics only)

Source : Department of Statistics, Malaysia

Incidence Rate and Mortality Rate of Communicable Diseases, 2011 (per 100,000 Population)

Communicable Diseases	Incidence Rate	Mortality Rate
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Food and Water Borne Diseases

Cholera	2.02	0.04
Dysentery	0.15	0
Food Poisoning	56.25	0.03
Hepatitis A	1.71	0
Typhoid	0.84	0.00

Vector Borne Diseases

Dengue	63.75	0
Dengue Haemorrhagic Fever	4.90	0.12
Malaria	18.32	0.06
Plague	0	0
Typhus	0.04	0
Yellow Fever	0	0

Vaccine Preventable Diseases

Acute Poliomyelitis	0	0
Diphtheria	0	0
Hepatitis B	4.32	0.02
Measles	5.42	0.01
Neonatal Tetanus*	0.01	0
Other Tetanus	0.03	0
Whooping Cough	0.86	0

Sexually Transmitted Diseases

Chancroid	0	0
Gonorrhoea	4.71	0
Syphilis	3.46	0

Communicable Diseases

Incidence Rate

Mortality Rate

Other Infectious Diseases

AIDS	4.61	1.97
Ebola	0	0
Hand, Foot & Mouth Diseases	24.17	0
Hepatitis C	3.61	0.18
HIV	12.01	0.40
Leprosy	0.76	0
Leptospirosis	7.83	0.19
Other Specified Viral Hepatitis	0.25	0
Rabies	0	0
Relapsing Fever	0	0
Tuberculosis	71.35	5.68
Viral Encephalitis	0.04	0

* Per 1000 live births

Source: Disease Control Division, MoH

Childhood Immunisation Coverage, 2011

B.C.G. Immunisation Coverage of Infants ¹	98.73%
DPT - Hib Immunisation Coverage of Infants (3rd Dose) ²	99.54%
Polio Immunisation Coverage of Infants (3rd Dose) ²	99.53%
MMR Immunisation Coverage of Children Aged 1 to < 2 years	95.22%
Hepatitis B Immunisation Coverage of Infants (3rd Dose) ²	97.14%
HPV Immunisation Coverage of Girls Aged 13 years (3rd Dose) ³	87.12%

¹ : Denominator: Live births from TBIS(Tuberculosis Information System)

² : Denominator: Estimated live births from Dept. of Statistics, Malaysia

³ : Denominator: Female population aged 13 years old.

Source : Department of Public Health, MoH

10 Principal Causes of Hospitalisation in MoH Hospitals, 2011

1. Pregnancy, childbirth and the puerperium	25.94%
2. Diseases of the respiratory system	10.36%
3. Injury, poisoning and certain other consequences of external causes	8.98%
4. Certain conditions originating in the perinatal period	7.67%
5. Diseases of the circulatory system	7.38%
6. Certain infectious and parasitic diseases	6.86%
7. Diseases of the digestive system	5.02%
8. Diseases of the genitourinary system	4.82%
9. Factors influencing health status and contact with health services	3.57%
10. Endocrine, nutritional & metabolic diseases	3.32%

10 Principal Causes of Death in MoH Hospitals, 2011

1. Diseases of the circulatory system	25.64%
2. Diseases of the respiratory system	19.48%
3. Certain infectious and parasitic diseases	17.02%
4. Neoplasms	11.12%
5. Diseases of the digestive system	5.18%
6. Injury, poisoning and certain other consequences of external causes	5.03%
7. Diseases of the genitourinary system	4.40%
8. Certain conditions originating in the perinatal period	3.74%
9. Endocrine, nutritional & metabolic diseases	1.88%
10. Diseases of the nervous system	1.77%

Note : Based on actual 3 digit code grouping, ICD10

Admissions and Outpatient Attendances, 2011

Government

• Ministry of Health

Admissions

Hospitals	2,139,392
Special Medical Institutions	7,570

Outpatient Attendances

Hospitals	18,328,343
Special Medical Institutions	117,960
Public Health Facilities	28,656,444

Dental Health Attendances

Dental Clinics	10,318,298
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Maternal & Child Health Attendances

Ante-natal Attendances	5,433,463
Post-natal Attendances	556,346
Child Attendances	7,359,129

• Non Ministry of Health

Admissions	134,118
Outpatient Attendances	1,909,163

Private Hospitals¹

Admissions ^a	904,816
Outpatient Attendances ^a	3,505,591

¹ Includes Private Hospitals, Private Maternity Homes, Private Nursing Homes and Private Hospice

^a Based on 98.12% response rate submissions to HIC Portal by Private Healthcare Facilities and Services

Healthcare Facilities, 2011 (as of 31 Dec.)

Government

	NO.	BEDS (OFFICIAL)
Ministry of Health		
Hospitals	138	38,394
- Hospitals	132	33,812
- Special Medical Institutions ¹	6	4,582
Dental Clinics		
- Dental Clinics ²	51	459 ³
- Mobile Dental Clinics	27	27 ³
Health Clinics		
- Health Clinics ⁴	985	-
- Community Clinics (K. Desa)	1,864	-
- Mobile Health Clinics (Teams)	-	184 ⁵
- Flying Doctor Services (Teams)	5 ⁶	12 ⁵
1Malaysia Clinics (as of 31 July 2012)		
- 1Malaysia Health Clinics	109	-
- 1Malaysia Mobile Clinics (Bus)	5	8 ⁵
- 1Malaysia Mobile Clinics (Boat)	1	2 ⁵

Non Ministry of Health

Hospitals	8	3,322
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¹ Refers to 1 Leprosy, 1 Respiratory and 4 Psychiatric Institutions

² Refers to Standalone Dental Clinics

³ Refers to Dental Chairs

⁴ Health Clinics include Maternal & Child Health Clinics.

⁵ Refers to Teams

⁶ Refers to Helicopters

Healthcare Facilities, 2011 (as of 31 Dec.)

Private

	NO.	BEDS (OFFICIAL)
Licensed		
Hospitals	220	13,568
Maternity Homes	25	105
Nursing Homes	14	362
Hospice	4	38
Ambulatory Care Centre	46	125
Blood Bank	5 ^a	25 ^b
Haemodialysis Centre	344	3,113 ^c
Community Mental Health Centre	1	9
Combined Facilities ¹	1	14 ^c
Registered		
Medical Clinics	6,589	-
Dental Clinics	1,576	-

¹ Ambulatory Care and Haemodialysis Centre

^a Refers to 4 Cord Blood Stem Cells Banks and 1 Stem Cell and Regenerative Medicine Research Lab and Services

^b Refers to Banks/Tanks

^c Refers to dialysis chairs

Source : Private Medical Practice Control Section,
Medical Practise Division, MoH

Health Human Resources, 2011 (as of 31 Dec.)

	PUBLIC	PRIVATE	TOTAL	PROFESSION : POPULATION
Doctors ^{1 & 2}	25,845 ^a	10,762	36,607	1: 791
Dentists ³	2,452	1,801	4,253	1: 6,810
Pharmacists ⁴	5,288	3,344	8,632	1: 3,355
Opticians ⁵	-	2,512	2,512	1: 11,530
Optometrists ⁵	249	650	899	1: 32,218
Asst. Medical Officers ^{1 & 6}	10,289	873	11,162	1: 2,595
Asst. Pharmacy Officers ¹	3,534 ^b	n.a	3,534 ^b	
Asst. Environmental Health Officers ¹	3,394 ^b	n.a	3,394 ^b	
Medical Lab. Technologists ¹	5,310 ^b	n.a	5,310 ^b	
Occupational Therapists ¹	663 ^b	n.a	663 ^b	
Physiotherapists ¹	818 ^b	n.a	818 ^b	
Radiographers ¹	2,167 ^b	n.a	2,167 ^b	
Nurses ^{1 & 7}	50,063	24,725	74,788	1: 387
Dental Nurses ¹	2,528 ^b	-	2,528 ^b	
Community Nurses ^{c & 1 & 7}	21,928	338	22,266	

Health Human Resources, 2011 (as of 31 Dec.)

	PUBLIC	PRIVATE	TOTAL	PROFESSION : POPULATION
Dental Technologists ^{1 & 8}	816 ^b	743	1,559	
Dental Surgery Assistants ^{1 & 9}	3,224 ^b	55 ^d	3,279	
Traditional & Complementary Medicine Practitioners ¹⁰	-	-	13,202 ^e	

Notes :

n.a : not available

a : Includes House Officers

b : MoH only

c : Includes Midwives (Division II)

d : estimated number of formally trained DSAs in private sector

e : refers to registration of local and foreign practitioners

Sources:

¹ Human Resources Division, MoH

² Malaysian Medical Council

³ Malaysian Dental Council

⁴ Pharmacy Board Malaysia

⁵ Malaysia Optical Council

⁶ Medical Assistant Board

⁷ Malaysia Nursing Board

⁸ Malaysian Dental Technologists Association

⁹ Oral Health Division, MoH

¹⁰ Traditional & Complementary Medicine Division, MoH

Financial Allocation, 2012

Total MoH Allocation	RM 16,870,767,600
- Operating	RM 14,998,120,400
- Development	RM 1,872,647,200
Per Capita Income ¹ (current prices) (forecast)	RM 30,856
Percentage of Total MoH Allocation to National Allocation	7.25

Source: *Estimated Federal Budget 2012, Ministry of Finance*
¹ *Economic Report 2011 / 2012, Ministry of Finance*

National Health Accounts (2009)

Total Expenditure on Health (Public & Private) (in million)	RM 33,691
Total Expenditure on Health as a Percentage of GDP (current prices)	4.96%
Public Expenditure as a Percentage of Total Expenditure on Health	54.62%

Source: *Unit MNHA - P&P Div. MoH*

Environmental Health for Rural Area,^a 2011

Percentage of Houses Served with Clean Water Supply	95.68
Percentage of Houses Served with Sanitary Latrines	97.29
Percentage of Houses Served with Sullage Disposal	66.10
Percentage of Houses Served with Solid Waste Disposal	70.42

^a *Rural area refers to area outside Local Authority / Municipality's operational area*