




HEALTH FACTS 2013

MINISTRY OF HEALTH MALAYSIA
Health Informatics Centre
Planning Division

MOH/S/RAN/53.13(TR)
(JULY 2013)

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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.

Financial Allocation, 2013

Total MoH Allocation	RM19,277,189,500
- Operating	RM17,352,956,000
- Development	RM1,924,233,500
Per Capita Income ¹ (current prices & forecast)	RM32,947
Percentage of Total MoH Allocation as a Percentage of National Budget	7.66%

Sources: *Estimated Federal Budget 2013, Ministry of Finance*
¹ *Economic Report 2012/2013, Ministry of Finance*

National Health Accounts

Indicator	2010	2011
Total Expenditure on Health (Public & Private) (in million)	RM35,075	RM37,542
Total Expenditure on Health as a Percentage of GDP (current prices)	4.58%	4.40%
Public Expenditure as a Percentage of Total Expenditure on Health	55.11%	52.73%

Source: *Planning Division, MoH*

Healthcare Facilities, 2012 (as of 31 December)

Government

• Ministry of Health

	NO.	BEDS (OFFICIAL)
Hospitals	140	38,978
- Hospitals	132	34,078
- Special Medical Institutions ¹	8	4,900
Dental Clinics		
- Dental Clinics ²	50	441 ³
- Mobile Dental Clinics	27	44 ³
Health Clinics		
- Health Clinics ⁴	1,025	-
- Community Clinics (Klinik Desa)	1,831	-
- Mobile Health Clinics (Teams)	-	197 ⁵
- Flying Doctor Services (Teams)	5 ⁶	12 ⁵

¹ Refers to one Rehabilitation Hospital, one Women & Children Hospital, one Leprosy, one Respiratory, and four 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, 2012 (as of 31 December)

Government (contd.)

• 1Malaysia Clinics	NO.	TEAMS
- 1Malaysia Clinics*	178	-
- 1Malaysia Mobile Clinics (Bus)	5	8
- 1Malaysia Mobile Clinics (Boat)	1	2

	NO.	CHAIRS
- 1Malaysia Dental Clinics	3	3
- 1Malaysia Dental Mobile Clinics (Bus)	1	1

• Non Ministry of Health	NO.	BEDS (OFFICIAL)
Hospitals	7	3,729

* as of 14 February 2013

Healthcare Facilities, 2012 (as of 31 December)

Private

• Licensed	NO.	BEDS (OFFICIAL)
Hospitals	209	13,667
Maternity Homes	23	96
Nursing Homes	15	364
Hospice	4	38
Ambulatory Care Centre	49	101
Blood Bank	5 ¹	23 ²
Haemodialysis Centre	363	3,347 ³
Community Mental Health Centre	0	0
Combined Facilities ⁴	1	14 ³
• Registered		
Medical Clinics	6,675	-
Dental Clinics	1,623	-

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

² Refers to Banks/Tanks

³ Refers to dialysis chairs

⁴ Ambulatory Care and Haemodialysis Centre

Source: Medical Practice Division, MoH

Health Human Resources, 2012 (as of 31 December)

	PUBLIC	PRIVATE	TOTAL	PROFESSION: POPULATION
Doctors ^{1&2}	27,478 ^a	11,240	38,718	1: 758
Dentists ³	2,664	1,894	4,558	1: 6,436
Pharmacists ⁴	5,908	3,744	9,652	1: 3,039
Opticians ⁵	-	2,940	2,940	1: 9,979
Optometrists ⁵	281	855	1,136	1: 25,825
Asst. Medical Officers ^{1&6}	10,902	944	11,846	1: 2,477
Nurses ^{1&7}	56,089	28,879	84,968	1: 345
Pharmacy Assistant ^{1&4}	4,068	482	4,550	-
Asst. Environmental Health Officers ^{1&8}	4,952	n.a	4,952	-
Medical Lab. Technologists ^{1&8}	6,161	n.a	6,161	-
Occupational Therapists ^{1&8}	836 ^b	n.a	836 ^b	-
Physiotherapists ¹	1,041	n.a	1,041	-
Radiographers ^{c&1&8}	2,883	1,451	4,334	-
Dental Nurses ¹	2,684	-	2,684	-
Community Nurses ^{d&1&7}	22,917	301	23,218	-

Health Human Resources, 2012 (as of 31 December)

	PUBLIC	PRIVATE	TOTAL	PROFESSION: POPULATION
Dental Technologists ^{1 & 9}	963	749	1,712	-
Dental Surgery Assistants ^{1 & 9}	3,834	44	3,878	-
Traditional & Complementary Medicine Practitioners ¹⁰	n.a	n.a	13,367 ^e	-

Notes :

n.a: not available

^a Includes House Officers

^b MoH only

^c Includes Diagnostic and Therapist

^d Includes Midwives (Division II)

^e refers to registration of local and foreign practitioners

Sources:

¹ Human Resources Divisions, 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 Allied Health Division, MoH

⁹ Oral Health Division, MoH

¹⁰ Traditional & Complementary Medicine Division, MoH

Land Area

Malaysia 330,289 sq.km

Population and Vital Statistics	2012 ^P		
	Total	Male	Female
Total Population ^a ('000)	29,336.8	15,093.7	14,243.1
Population Density (per sq.km)	89		
Population By Age Group: ^a (number & percentage)			
• below 15 years ('000)	7,757.4 (26.4%)	3,980.2 (26.4%)	3,777.2 (26.5%)
• 15 – 64 years ('000)	20,034.5 (68.3%)	10,369.9 (68.7%)	9,664.6 (67.9%)
• 65 Years & above ('000)	1,544.9 (5.3%)	743.6 (4.9%)	801.3 (5.6%)
Annual Population Growth Rate (%)	1.3	1.2	1.3
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)			
Distribution of Live Births By Birthweight (%):	<ul style="list-style-type: none"> • under 2.5 kg • 2.5 kg and over • unknown 		

^a 2012]: Population projections based on the Population and Housing Census of Malaysia 2011] 2010, adjusted for under enumeration.

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

Source : Department of Survey & Mapping, Malaysia

2011 ^P			2010		
Total	Male	Female	Total	Male	Female
28,964.3	14,912.0	14,052.3	28,588.6	14,730.5	13,858.1
88			87		
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%)
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%)
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%)
1.3	1.2	1.4	1.8	1.9	1.7
17.1	17.1	17.0	17.2	17.2	17.1
4.6	5.2	4.0	4.6	5.2	4.0
4.5	4.7	4.3	4.5	4.7	4.3
7.6	8.2	7.1	7.7	8.4	6.9
4.2	4.7	3.7	4.3	4.8	3.7
6.6	7.2	6.0	6.7	7.4	6.0
0.4	0.4	0.3	0.4	0.4	0.4
8.1	8.8	7.4	8.4	9.1	7.5
25.5	-	25.5	26.1	-	26.1
74.36 ^e	71.97 ^e	77.05 ^e	74.08 ^P	71.68 ^P	76.78 ^P
11.15	10.22	12.14	11.19	10.23	12.21
88.41	89.34	87.43	88.27	89.23	87.25
0.44	0.44	0.44	0.54	0.54	0.54

^e estimated data

^P Provisional/Preliminary data

The added total differ due to rounding.

Source: Department of Statistics, Malaysia

Admissions and Outpatient Attendances, 2012

Government

- Ministry of Health

Admissions

Hospitals	2,264,019
Special Medical Institutions ¹	50,822

Outpatient Attendances

Hospitals	18,884,002
Special Medical Institutions ¹	255,612
Public Health Facilities	30,462,890

Day Care Attendances

Hospitals ²	948,845
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Clinical Support Service Attendances

Medical Rehabilitation (Hearing) ³	73,844
Medical Rehabilitation (Speech) ⁴	34,608
Medical Social Services ⁵	71,491
Dietetic ⁶	134,921

Dental Health Attendances

Dental Clinics	10,713,709
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Admissions and Outpatient Attendances, 2012

Government (contd.)

• Ministry of Health

Maternal & Child Health Attendances

Ante-natal Attendances	5,615,916
Post-natal Attendances	549,269
Child Attendances	7,544,896

• Non Ministry of Health Hospitals

Admissions	137,362
Outpatient Attendances	1,992,113

Private Hospitals⁷

Admissions ⁸	971,080
Outpatient Attendances ⁸	3,853,779

¹ In 2012, the Women and Children Hospital, Likas was reclassified from Hospital to Special Medical Institution.

² Based on 77.46% response rate.

³ Based on 97.44% response rate.

⁴ Based on 80.29% response rate.

⁵ Based on 84.29% response rate.

⁶ Based on 88.11% response rate.

⁷ Includes Private Hospitals, Private Maternity Homes, Private Nursing Homes and Private Hospice

⁸ Based on 98.42% response rate.

Ten Principal Causes of Hospitalisation in MoH Hospital, 2012

1. Pregnancy, childbirth and the puerperium	27.32%
2. Diseases of the respiratory system	11.02%
3. Injury, poisoning and certain other consequences of external causes	8.22%
4. Diseases of the circulatory system	7.55%
5. Certain conditions originating in the perinatal period	7.55%
6. Certain infectious and parasitic diseases	6.82%
7. Diseases of the digestive system	4.88%
8. Diseases of the genitourinary system	4.48%
9. Factors influencing health status and contact with health services	3.64%
10. Neoplasms	3.34%

Ten Principal Causes of Death in MoH Hospitals, 2012

1. Diseases of the circulatory system	24.69%
2. Diseases of the respiratory system	18.80%
3. Certain infectious and parasitic diseases	17.17%
4. Neoplasms	11.64%
5. Injury, poisoning and certain other consequences of external causes	5.32%
6. Diseases of the digestive system	5.07%
7. Diseases of the genitourinary system	4.18%
8. Certain conditions originating in the perinatal period	3.43%
9. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	1.87%
10. Diseases of the nervous system	1.75%

Note: Based on 3 digit code grouping ICD10.

Ten Principal Causes of Hospitalisation in Private Hospitals, 2012

1. Diseases of the respiratory system	13.66%
2. Pregnancy, childbirth and the puerperium	13.53%
3. Certain infectious and parasitic diseases	11.31%
4. Diseases of the digestive system	9.55%
5. Injury, poisoning and certain other consequences of external causes	7.55%
6. Diseases of the circulatory system	7.27%
7. Diseases of the genitourinary system	7.10%
8. Diseases of the musculoskeletal system and connective tissue	5.43%
9. Neoplasms	4.54%
10. Factors influencing health status and contact with health services	4.49%

Ten Principal Causes of Death in Private Hospitals, 2012

1. Diseases of the circulatory system	28.05%
2. Neoplasms	27.76%
3. Diseases of the respiratory system	11.48%
4. Certain infectious and parasitic diseases	10.71%
5. Diseases of the digestive system	4.63%
6. Diseases of the genitourinary system	4.02%
7. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	3.03%
8. Injury, poisoning and certain other consequences of external causes	2.18%
9. Endocrine, nutritional & metabolic diseases	1.89%
10. Certain conditions originating in the perinatal period	1.77%

Note: Based on 3 digit code grouping ICD10.

Ten Principal Causes of Hospitalisation in MoH & Private Hospitals, 2012

1. Pregnancy, childbirth and the puerperium	21.79%
2. Diseases of the respiratory system	12.08%
3. Certain infectious and parasitic diseases	8.62%
4. Injury, poisoning and certain other consequences of external causes	7.95%
5. Diseases of the circulatory system	7.44%
6. Diseases of the digestive system	6.75%
7. Diseases of the genitourinary system	5.53%
8. Certain conditions originating in the perinatal period	5.40%
9. Factors influencing health status and contact with health services	3.98%
10. Neoplasms	3.82%

Ten Principal Causes of Death in MoH and Private Hospitals, 2012

1. Diseases of the circulatory system	25.10%
2. Diseases of the respiratory system	17.90%
3. Certain infectious and parasitic diseases	16.37%
4. Neoplasms	13.63%
5. Diseases of the digestive system	5.01%
6. Injury, poisoning and certain other consequences of external causes	4.93%
7. Diseases of the genitourinary system	4.16%
8. Certain conditions originating in the perinatal period	3.23%
9. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	2.01%
10. Endocrine, nutritional & metabolic diseases	1.76%

Note: Based on 3 digit code grouping ICD10.

Childhood Immunisation Coverage, 2012

B.C.G. Immunisation Coverage of Infants ¹	98.72%
DPT – HIB Immunisation Coverage of Infants (3rd Dose) ²	99.71%
Polio Immunisation Coverage of Infants (3rd Dose) ²	99.71%
MMR Immunisation Coverage of Children Aged 1 to < 2 years	95.47%
Hepatitis B Immunisation Coverage of Infants (3rd Dose) ²	98.07%
HPV Immunisation Coverage of Girls Aged 13 years (3rd Dose)	89.62%

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

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

Source: Department of Public Health, MoH

**Incidence Rate and Mortality Rate
of Communicable Diseases, 2012**
(per 100,000 Population)

Communicable Diseases	Incidence Rate	Mortality Rate
Food and Water Borne Diseases		
Cholera	0.96	0.00
Dysentery	0.29	0
Food Poisoning	44.93	0.00
Hepatitis A	1.58	0
Typhoid	0.75	0.00
Vector Borne Diseases		
Dengue	72.20	0
Dengue Haemorrhagic Fever	2.45	0.12
Malaria	16.11	0.05
Plague	0	0
Typhus	0.03	0
Yellow Fever	0	0
Vaccine Preventable Diseases		
Acute Poliomyelitis	0	0
Diphtheria	0	0
Hepatitis B	8.99	0.08
Measles	6.39	0
Neonatal Tetanus ¹	0.02	0.01
Other Tetanus	0.08	0.01
Whooping Cough	0.76	0.01

**Incidence Rate and Mortality Rate
of Communicable Diseases, 2012 (contd.)**
(per 100,000 Population)

Communicable Diseases	Incidence Rate	Mortality Rate
Sexually Transmitted Diseases		
Chancroid	0	0
Gonorrhea	5.09	0
Syphilis	5.70	0.00
Other Infectious Diseases		
AIDS	4.64	1.82
Ebola	0	0
Hand, Foot & Mouth Diseases	117.66	0.00
Hepatitis C	5.91	0.11
HIV	11.72	0.57
Leprosy	1.11	0
Leptospirosis	12.49	0.16
Other Specified Viral Hepatitis	0.26	0
Rabies	0	0
Relapsing Fever	0	0
Tuberculosis	77.41	4.82
Viral Encephalitis	0.08	0.01

¹Per 1,000 live births

Source: Disease Control Division, MoH

Environmental Health for Rural Area¹, 2012

Percentage of Houses Served with Clean Water Supply	96.29%
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Percentage of Houses Served with Sanitary Latrines	97.08%
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Percentage of Houses Served with Sullage Disposal	66.75%
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Percentage of Houses Served with Solid Waste Disposal	71.15%
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¹ Rural area refers to area outside Local Authority/Municipality's operational area



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