



Health Facts 2010



MINISTRY OF HEALTH MALAYSIA
(AUGUST 2011)

Health Informatics Centre
Planning and Development Division
MOH/S/RAN/01.11(AR)

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

329,959 sq. km

Source : Department of Survey & Mapping, Malaysia

Population and Vital Statistics	2010			2009 ^P			2008 ^b		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total Population ^a ('000)	28,334.1	14,562.6	13,771.5	27,895.3	14,205.9	13,689.4	27,540.5	14,032.0	13,508.5
Population Density (per sq. km)	86			84			83		
Population By Age Group: ^a (number & percentage)									
• Below 15 years ('000)	7,827.9 (27.6%)	4,018.3 (27.6%)	3,809.6 (27.7%)	7,724.2 (27.7%)	3,963.9 (27.9%)	3,760.3 (27.5%)	7,757.4 (28.2%)	3,983.2 (28.4%)	3,774.2 (27.9%)
• 15 - 64 years ('000)	19,078.9 (67.3%)	9,855.4 (67.7%)	9,223.5 (67.0%)	18,889.7 (67.7%)	9,640.6 (67.9%)	9,249.1 (67.5%)	18,547.2 (67.3%)	9,470.3 (67.5%)	9,076.9 (67.2%)
• 65 years & above ('000)	1,427.3 (5.1%)	688.9 (4.7%)	738.4 (5.3%)	1,281.5 (4.6%)	601.5 (4.2%)	680.0 (5.0%)	1,236.0 (4.5%)	578.5 (4.1%)	657.4 (4.9%)
Annual Population Growth Rate (%)	2.0 ^c	-	-	1.3	1.2	1.3	1.3	1.2	1.3
Crude Birth Rate (per 1,000 population)				17.9	18.2	17.7	18.4	18.7	18.1
Crude Death Rate (per 1,000 population)				4.8	5.5	4.1	4.7	5.4	4.0
Stillbirth Rate (per 1,000 births)				4.5	4.8	4.2	4.3	4.6	4.1
Perinatal Mortality Rate (per 1,000 births)				7.9	8.6	7.1	7.3	7.8	6.7
Neonatal Mortality Rate (per 1,000 live births)				4.4	5.0	3.9	3.9	4.4	3.4
Infant Mortality Rate (per 1,000 live births)				7.0	7.6	6.3	6.2	6.9	5.6
Toddler Mortality Rate (per 1,000 population aged 1- 4 years)				0.4	0.4	0.4	0.4	0.5	0.4
Under - 5 Mortality Rate (per 1,000 live births)				8.7	9.4	7.9	8.0	8.7	7.2
Maternal Mortality Rate (per 100,000 live births)				28.0	-	28.0	27.3	-	27.3
Life Expectancy at Birth (in years)				-	71.7	76.5	-	71.6 ^P	76.4 ^P
Distribution of Live Births by Birthweight (%):									
• Under 2.5 kg				11.1	10.2	12.1	10.8	9.9	11.7
• 2.5 kg & over				88.9	89.8	87.9	89.2	90.1	88.3

^a: Population for 2010 is the final Census 2010 figures. Population for 2009 & 2008 refers to population projections based on the adjusted 2000 Population Census data. The population projections for 2001-2020 has been revised based on latest trend of the fertility rate and foreign workers. The added total differ due to rounding. ^b: Final Figures (Vital Statistics only) ^c: Refers to average annual population growth rate, 2000 - 2010

^P: Preliminary data (Vital Statistics only)

Source : Department of Statistics, Malaysia

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

Communicable Diseases	Incidence Rate	Mortality Rate
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Food and Water Borne Diseases

Cholera	1.56	0.02
Dysentery	0.37	0
Food Poisoning	44.18	0
Typhoid	0.74	0
Hepatitis A	0.14	0

Vector Borne Diseases

Dengue	148.73	0.06
Dengue Haemorrhagic Fever	14.23	0.42
Malaria	23.47	0.12
Typhus	0.02	0
Plague	0	0
Yellow Fever	0	0

Vaccine Preventable Diseases

Acute Poliomyelitis	0	0
Diphtheria	0.01	0.01
Measles	0.26	0
Other Tetanus	0.05	0.01
Neonatal Tetanus*	0.02	0
Hepatitis B	2.26	0.08
Whooping Cough	0.12	0

Sexually Transmitted Diseases

Chancroid	0	0
Gonorrhoea	4.17	0
Syphilis	2.99	0.00

Communicable Diseases	Incidence Rate	Mortality Rate
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Other Infectious Diseases

HIV	12.89	1.14
AIDS	3.65	2.05
Ebola	0	0
Hepatitis C	2.56	0.10
Hand, Foot & Mouth Diseases	47.27	0
Leprosy	0.68	0.02
Other Specified Viral Hepatitis	0.04	0
Rabies	0	0
Relapsing Fever	0	0
Tuberculosis	68.25	5.50
Viral Encephalitis	0.20	0.01
H1N1	13.11	0.07

* Per 1000 live births

Source: Disease Control Division, MoH

Childhood Immunisation Coverage

B.C.G. Immunisation Coverage of Infants ¹	92.26%
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DPT - HIB (Diphtheria, Pertusis & Tetanus - Haemophilus Influenzae Type B) Immunisation Coverage of Infants (3rd Dose) ¹	94.28%
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Polio Immunisation Coverage of Infants (3rd Dose) ¹	94.13%
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MMR (Mumps, Measles, Rubella) Immunisation Coverage of Children Aged 1 to < 2 years	96.10%
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Hepatitis B Immunisation Coverage of Infants (3rd Dose) ¹	82.57%
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¹ : Denominator: Estimated live births from Dept. of Statistics, Malaysia

Source : Department of Public Health, MoH

10 Principal Causes of Hospitalisation in MoH Hospitals

1. Pregnancy, childbirth and the puerperium	25.72%
2. Diseases of the respiratory system	9.56%
3. Injury, poisoning and certain other consequences of external causes	8.98%
4. Certain infectious and parasitic diseases	8.29%
5. Certain conditions originating in the perinatal period	7.35%
6. Diseases of the circulatory system	6.88%
7. Diseases of the digestive system	5.09%
8. Diseases of the genitourinary system	4.95%
9. Neoplasms	3.62%
10. Factors influencing health status and contact with health services	3.54%

10 Principal Causes of Deaths in MoH Hospitals

1. Diseases of the circulatory system	25.35%
2. Diseases of the respiratory system	18.46%
3. Certain infectious and parasitic diseases	17.81%
4. Neoplasms	11.87%
5. Injury, poisoning and certain other consequences of external causes	5.35%
6. Diseases of the digestive system	4.76%
7. Diseases of the genitourinary system	4.67%
8. Certain conditions originating in the perinatal period	3.87%
9. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	1.84%
10. Endocrine, nutritional & metabolic diseases	1.72%

Note : Based on actual 3 digit code grouping, ICD10

Admissions and Outpatient Attendances

Government

• Ministry of Health

Admissions

Hospitals	2,121,923
Special Medical Institutions	8,640

Outpatient Attendances

Hospitals	17,550,603
Special Medical Institutions	102,944
Public Health Facilities	27,041,812

Dental Health Attendances

Dental Clinics	10,008,685
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Maternal & Child Health Attendances

Ante-natal Attendances	5,099,232
Post-natal Attendances	556,340
Child Attendances	7,075,799

• Non Ministry of Health

Admissions	132,010
Outpatient Attendances	2,070,036

Private

Admissions ^a	869,833
Outpatient Attendances ^a	3,174,124

^a Based on 98.44% response rate submissions to HIC Portal by Private Healthcare Facilities and Services

Healthcare Facilities

Government

Ministry of Health	NO.	BEDS (OFFICIAL)
Hospitals	131	33,211
Special Medical Institutions	6	4,582
Special Institutions ¹	15	-
National Institutes of Health	6	-
Dental Clinics ²	34	341 ³
Mobile Dental Clinics	25	42 ³
Health Clinics ⁴	2,833	-
Health Clinics (1 Malaysia)	53	-
Mobile Health Clinics & Teams	165	-
Mobile Health Clinics & Teams (1 Malaysia)	3	-
Flying Doctor Stations	13	-
Non Ministry of Health		
Hospitals	8	3,690

¹ National Blood Centre, 4 Public Health Laboratories and 10 Food Quality Laboratories

² Previous figures refers to Dental Clinics and Services

³ Dental Chairs

⁴ Health Clinics include Community Clinics (Klinik Desa) and Maternal & Child Health Clinics.

Healthcare Facilities

Private

Licensed	NO.	BEDS (OFFICIAL)
Hospitals	217	13,186
Maternity Homes	22	97
Nursing Homes	12	263
Hospice	3	30
Ambulatory Care Centre	36	125
Blood Bank	5 ^a	-
Haemodialysis Centre	191	2,195 ^b
Community Mental Health Centre	1	9
Registered		
Medical Clinics	6,442	-
Dental Clinics	1,512	-

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

^b Refers to dialysis chairs

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

Health Human Resources

	PUBLIC	PRIVATE	TOTAL	PROFESSION : POPULATION
Doctors ^{1 & 2}	22,429 ^a	10,550	32,979	1: 859
Dentists ³	2,055	1,755	3,810	1: 7,437
Pharmacists ⁴	4,610	3,149	7,759	1: 3,652
Opticians ⁵	-	2,827	2,827	1: 10,023
Optometrists ⁵	245	632	877	1: 32,308
Asst. Medical Officers ^{1 & 6}	9,556	794	10,350	1: 2,738
Asst. Pharmacy Officers ¹	3,318 ^b	n.a	3,318 ^b	
Asst. Environmental Health Officers ¹	3,209 ^b	n.a	3,209 ^b	
Medical Lab. Technologists ¹	4,980 ^b	n.a	4,980 ^b	
Occupational Therapists ¹	649 ^b	n.a	649 ^b	
Physiotherapists ¹	807 ^b	n.a	807 ^b	
Radiographers ¹	2,039 ^b	n.a	2,039 ^b	
Nurses ^{1 & 7}	47,992	21,118	69,110	1: 410
Dental Nurses ¹	2,486 ^b	-	2,486 ^b	
Community Nurses ^{c & 1 & 7}	20,922	167	21,089	

Health Human Resources

	PUBLIC	PRIVATE	TOTAL	PROFESSION : POPULATION
Dental Technologists ¹	749 ^b	n.a	749 ^b	
Dental Surgery Assistants ¹	2,950 ^b	n.a	2,950 ^b	
Traditional & Complementary Medicine Practitioners ⁸	n.a	n.a	12,226 ^d	

Note :

n.a : not available

a : Includes House Officers

b : MoH only

c : Includes Midwives (Division II)

d : refers to voluntary registration by local practitioners & application for professional visa by 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 Traditional & Complementary Medicine Division, MoH

Financial Allocation

Total MoH Budget	RM 15,348,997,410
MoH Operating Budget	RM 11,764,733,400
MoH Development Budget	RM 3,584,264,010
Per Capita Allocation	RM 541.71
Per Capita Income ¹ (current prices) (estimate)	RM 26,355
Percentage of Total MoH Allocation to National Budget	8.02

Source: ¹ Economic Report 2010 / 2011, Ministry of Finance

National Health Accounts (2008)^p

Total Expenditure on Health (Public & Private)	RM 35,148,955,577.51
Total Expenditure on Health as a Percentage of GDP (current prices)	4.75%
Public Expenditure as a Percentage of Total Expenditure on Health	46.16%

^p : Provisional Figures

Source: Unit MNHA - P&P Div. MoH

Environmental Health for Rural Area^a

Percentage of Houses Served with Clean Water Supply	95.79
Percentage of Houses Served with Sanitary Latrines	97.67
Percentage of Houses Served with Sullage Disposal	65.49
Percentage of Houses Served with Solid Waste Disposal	70.92

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