



# HEALTH FACTS 2009



Health Informatics Centre  
Planning and Development Division  
MINISTRY of HEALTH MALAYSIA  
(JULY 2010)

## Admissions and Outpatient Attendances

### Government

#### Ministry of Health

Admissions	
Hospitals	2,130,784
Special Medical Institutions	9,122

#### Outpatient Attendances

Hospitals	17,295,971
Special Medical Institutions	161,955
Public Health Facilities	24,946,130

#### Dental Health Attendances

Dental Clinics	9,624,646
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#### Maternal & Child Health Attendances

Ante-natal Attendances	4,889,932
Post-natal Attendances	546,148
Child Attendances	6,880,270

#### Non Ministry of Health

Admissions	128,726
Outpatient Attendances	1,900,047

### Private

Admissions <sup>a</sup>	828,399
Outpatient Attendances <sup>a</sup>	2,861,443

<sup>a</sup> Based on 97.13% response rate submissions to HIC Portal by Private Healthcare Facilities and Services

## Healthcare Facilities

### Government

#### Ministry of Health

	NO.	BEDS (OFFICIAL)
Hospitals	130	33,083
Special Medical Institutions	6	4,974
Special Institutions <sup>a</sup>	6	-
National Institutes of Health	6	-
Dental Clinics	1,724	2,952 <sup>b</sup>
Mobile Dental Clinics and Teams	560	1,392 <sup>b</sup>
Health Clinics	808	-
Community Clinics (Klinik Desa)	1,920	-
Maternal & Child Health Clinics	90	-
Mobile Health Clinics	196	-

#### Non Ministry of Health

Hospitals	8	3,523
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<sup>a</sup> National Blood Centre, National Public Health Laboratory and 4 Regional Laboratories

<sup>b</sup> Dental Chairs

## Healthcare Facilities

### Private

#### Licensed

	NO.	BEDS (OFFICIAL)
Hospitals	209	12,216
Maternity Homes	21	102
Nursing Homes	12	273
Hospice	3	28
Ambulatory Care Centre	21	108
Blood Bank	5 <sup>a</sup>	-
Haemodialysis Centre	75	848 <sup>b</sup>
Community Mental Health Centre	1	9

#### Registered

Medical Clinics	6,307	-
Dental Clinics	1,484	-

<sup>a</sup> Refers to 4 Cord Blood Stem Cells Banks and 1 Stem Cell and Regenerative Medicine Research Lab and Services

<sup>b</sup> Refers to dialysis chairs

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

## Health Human Resources

	PUBLIC	PRIVATE	TOTAL	PROFESSION : POPULATION
Doctors <sup>1 &amp; 2</sup>	20,192 <sup>a</sup>	10,344	30,536	1: 927
Dentists <sup>3</sup>	1,858	1,709	3,567	1: 7,936
Pharmacists <sup>4</sup>	3,877	2,907	6,784	1: 4,137
Opticians <sup>5</sup>	-	2,720	2,720	1: 10,407
Optometrists <sup>5</sup>	204	573	777	1: 36,431
Asst. Medical Officers <sup>1 &amp; 6</sup>	8,648	766	9,414	1: 3,007
Asst. Pharmacy Officers <sup>1</sup>	2,949 <sup>b</sup>	n.a	2,949 <sup>b</sup>	-
Asst. Environmental Health Officers <sup>1</sup>	2,715 <sup>b</sup>	n.a	2,715 <sup>b</sup>	-
Medical Lab. Technologists <sup>1</sup>	4,450 <sup>b</sup>	n.a	4,450 <sup>b</sup>	-
Occupational Therapists <sup>1</sup>	489 <sup>b</sup>	n.a	489 <sup>b</sup>	-
Physiotherapists <sup>1</sup>	664 <sup>b</sup>	n.a	664 <sup>b</sup>	-
Radiographers <sup>1</sup>	1,619 <sup>b</sup>	n.a	1,619 <sup>b</sup>	-
Nurses <sup>1 &amp; 7</sup>	45,060	14,315	59,375	1: 477
Dental Nurses <sup>3</sup>	2,447 <sup>b</sup>	-	2,447 <sup>b</sup>	-
Community Nurses <sup>c &amp; 1 &amp; 7</sup>	18,851	1,312	20,163	-

## Health Human Resources

	PUBLIC	PRIVATE	TOTAL	PROFESSION : POPULATION
Dental Technologists <sup>3</sup>	737 <sup>b</sup>	n.a	737 <sup>b</sup>	-
Dental Surgery Assistants <sup>3</sup>	2,820 <sup>b</sup>	n.a	2,820 <sup>b</sup>	-
Traditional & Complementary Medicine Practitioners <sup>8</sup>	n.a	n.a	11,691 <sup>d</sup>	1: 2,421

#### Note :

n.a : not available

a : Includes Houseman (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:

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

<sup>2</sup> Malaysian Medical Council

<sup>3</sup> Oral Health Division, MoH

<sup>4</sup> Pharmacy Board Malaysia

<sup>5</sup> Malaysia Optical Council

<sup>6</sup> Medical Assistant Board

<sup>7</sup> Malaysia Nursing Board

<sup>8</sup> Traditional & Complementary Medicine Division, MoH

## Financial Allocation

Total MoH Budget	RM 13,716,043,900
MoH Operating Budget	RM 11,433,169,900
MoH Development Budget	RM 2,282,874,000
Per Capita Allocation	RM 484.55
Per Capita Income <sup>1</sup> (current prices) (estimate)	RM 24,055

Percentage of Total MoH Allocation to National Budget	6.60
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Source: <sup>1</sup> Economic Report 2009 / 2010, Ministry of Finance

## National Health Accounts (2008)<sup>p</sup>

Total Expenditure on Health (Public & Private)	RM 35,148,955,576.02
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%

<sup>p</sup> : Provisional Figures

Source: MNHA - MoH

## Environmental Health for Rural Area<sup>a</sup>

Percentage of Houses Served with Safe Water Supply	96.36
Percentage of Houses Served with Sanitary Latrines	97.92
Percentage of Houses Served with Sullage Disposal	62.56
Percentage of Houses Served with Solid Waste Disposal	69.69

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

## 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 9MP : To Improve The Standard And Sustainability of Quality of Life

### ACHIEVING BETTER HEALTH

#### Prospects, 2006 - 2010

Health is an important asset in the development of human capital. During the Ninth Malaysia Plan period, while the Government will continue to provide facilities and implement programmes to improve the health status of the population, greater individual responsibility is crucial for achieving better health. Towards this end, efforts will be undertaken to promote lifelong wellness as a proactive approach to maintain health, reduce the disease burden and harness resources available for the optimum benefit of the population. Emphasis will also be given to the consolidation and integration of services to further improve efficiency, quality, accessibility and equity in health care delivery. Thus, health sector development will be guided by the following strategies: -

- Preventing and reducing the disease burden to further improve the health status;
- Enhancing the health care delivery system to increase accessibility to quality care;
- Optimizing resources through consolidation and integration;
- Enhancing research and development to support evidence-based decision-making;
- Managing health-related crisis and disasters effectively;
- Enhancing human resources development; and
- Strengthening health information and management systems.

## Land Area

Malaysia 329,959 sq. km *Source : Department of Survey & Mapping, Malaysia*

Population and Vital Statistics	2009			2008 <sup>P</sup>			2007 <sup>b</sup>		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total Population <sup>a</sup>	28,306,700	14,407,200	13,899,400	27,728,700	14,114,300	13,614,400	27,173,600	13,833,000	13,340,600
Population Density (per sq. km)	86	44	42	84	43	41	82	42	40
Population By Age Group: <sup>a</sup> (number & percentage)									
• Below 15 years	9,014,700 (31.9%)	4,647,100 (32.2%)	4,367,700 (31.4%)	8,876,200 (32.1%)	4,576,400 (32.4%)	4,299,700 (31.6%)	8,748,600 (32.2%)	4,511,200 (32.6%)	4,237,400 (31.8%)
• 15 - 64 years	18,005,700 (63.6%)	9,157,400 (63.6%)	8,848,300 (63.7%)	17,620,200 (63.5%)	8,961,800 (63.5%)	8,658,500 (63.4%)	17,237,900 (63.4%)	8,768,100 (63.4%)	8,469,800 (63.5%)
• 65 years & above	1,286,200 (4.5%)	602,800 (4.2%)	683,500 (4.9%)	1,232,300 (4.4%)	576,100 (4.1%)	656,200 (4.8%)	1,187,000 (4.4%)	553,600 (4.0%)	633,400 (4.7%)
Annual Population Growth Rate (%)	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0
Crude Birth Rate (per 1,000 population)				17.8	18.1	17.5	18.1	18.3	17.8
Crude Death Rate (per 1,000 population)				4.7	5.3	4.0	4.5	5.1	3.9
Stillbirth Rate (per 1,000 births)				4.4	4.6	4.1	4.4	4.6	4.3
Perinatal Mortality Rate (per 1,000 births)				7.4	7.9	6.8	7.2	7.6	6.9
Neonatal Mortality Rate (per 1,000 live births)				4.0	4.5	3.5	3.8	4.0	3.5
Infant Mortality Rate (per 1,000 live births)				6.4	7.0	5.7	6.2	6.6	5.8
Toddler Mortality Rate (per 1,000 population aged 1- 4 years)				0.4	0.5	0.4	0.4	0.5	0.4
Under-5 Mortality Rate (per 1,000 live births)				8.1	8.9	7.3	7.9	8.5	7.3
Maternal Mortality Rate (per 100,000 live births)				28.9	-	28.9	29.0	-	29.0
Life Expectancy at Birth (in years)				-	71.56	76.40	-	71.53 <sup>P</sup>	76.35 <sup>P</sup>
Distribution of Live Births by Birthweight (%):									
• Under 2.5 kg				10.7	9.8	11.6	10.6	9.7	11.5
• 2.5 kg & over				89.3	90.2	88.4	89.4	90.3	88.5

<sup>a</sup> : Population projections based on the adjusted 2000 Population Census data. The added total differ due to rounding.

<sup>b</sup> : Final Figures (Vital Statistics only) <sup>P</sup> : Provisional / 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
<b>Food and Water Borne Diseases</b>		
Cholera	0.98	0.01
Dysentery	0.54	0
Food Poisoning	36.17	0.01
Typhoid	1.07	0.00
Hepatitis A	0.14	0
<b>Vector Borne Diseases</b>		
Dengue	136.89	0.02
Dengue Haemorrhagic Fever	9.67	0.29
Malaria	24.76	0.09
Typhus	0.04	0
Plague	0	0
Yellow Fever	0	0
<b>Vaccine Preventable Diseases</b>		
Acute Poliomyelitis	0	0
Diphtheria	0	0
Measles	0.20	0
Other Tetanus	0.04	0
Neonatal Tetanus <sup>a</sup>	0.01	0
Hepatitis B	2.13	0.02
Whooping Cough	0.14	0
<b>Sexually Transmitted Diseases</b>		
Chancroid	0.01	0
Gonorrhoea	3.22	0
Syphilis	3.13	0.00

<sup>a</sup> : per 1,000 live births

## Communicable Diseases

Communicable Diseases	Incidence Rate	Mortality Rate
<b>Other Infectious Diseases</b>		
HIV	10.88	0.65
AIDS	2.62	2.19
Ebola	0	0
Hepatitis C	3.71	0.06
Hand, Foot & Mouth Diseases	60.60	0
Leprosy	0.66	0
Other Specified Viral Hepatitis	0.02	0
Rabies	0	0
Relapsing Fever	0	0
Tuberculosis	63.95	5.59
Viral Encephalitis	0.17	0.00

*Source: Disease Control Division, MoH*

## Childhood Immunisation Coverage<sup>1</sup>

B.C.G. Immunisation Coverage of Infants <sup>a</sup>	98.30%
DPT - HIB (Diphtheria, Pertusis & Tetanus - Haemophilus Influenzae Type B) Immunisation Coverage of Infants (3rd Dose) <sup>a</sup>	97.44%
Polio Immunisation Coverage of Infants (3rd Dose) <sup>a</sup>	98.39%
MMR (Mumps, Measles, Rubella) Immunisation Coverage of Children Aged 1 to < 2 years	96.88%
Hepatitis B Immunisation Coverage <sup>a &amp; b</sup> of Infants (3rd Dose - Completed Dose)	85.37%

<sup>a</sup> : No. of live births from TBIS was used to calculate the coverage

<sup>b</sup> : The immunisation schedule was change since October 2008 involving selective states

*Source : <sup>1</sup> Department of Public Health, MoH*

## 10 Principal Causes of Hospitalisation in MoH Hospitals

1. Normal Deliveries	13.16%
2. Complications of Pregnancy, Childbirth and the Puerperium	13.10%
3. Diseases of the Respiratory System	9.38%
4. Accidents	8.03%
5. Certain Conditions Originating in the Perinatal Period	7.01%
6. Diseases of the Circulatory System	6.91%
7. Diseases of the Digestive System	5.17%
8. Ill- defined Conditions	3.50%
9. Diseases of the Urinary System	3.42%
10. Malignant Neoplasms	3.02%

## 10 Principal Causes of Deaths in MoH Hospitals

1. Heart Diseases & Diseases of Pulmonary Circulation	16.09%
2. Septicaemia	13.82%
3. Malignant Neoplasms	10.85%
4. Pneumonia	10.38%
5. Cerebrovascular Diseases	8.43%
6. Diseases of the Digestive System	4.98%
7. Accidents	4.85%
8. Certain Conditions Originating in the Perinatal Period	3.82%
9. Nephritis Nephrotic Syndrome and Nephrosis	3.58%
10. Chronic Lower Respiratory Diseases	2.03%