

With the Compliments
of
SEAMIC
Japan

SEAMIC HEALTH STATISTICS

1984

Compiled
by
Committee on Health Statistics

SEAMIC
Southeast Asian Medical Information Center
Tokyo, 1984

SEAMIC Publication No. 42

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INTERNATIONAL MEDICAL FOUNDATION OF JAPAN

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PREFACE

Because statistics are indispensable in the planning and evaluation of any societal program, it goes without saying that they are of great importance in developing programs in the health and medical field. Thus, through the SEAMIC activities, efforts have been made to collect facts and figures relevant to health and medical care in the SEAMIC countries and to compile secondary statistics and other reference materials.

This publication is the result of such collaborative efforts among our partners in the SEAMIC countries. It is our hope that the SEAMIC HEALTH STATISTICS, as small a publication as it is, may, with its more updated, improved, and enlarged contents, serve as a *vade mecum* for all people engaged in or concerned with health planning in the Southeast Asian region.

February, 1985

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EXPLANATION OF SYMBOLS

• •		Category not applicable
(blank)		Data not available
—		Nil
0 0.0		Not nil, but less than half of units employed
*		Provisional or estimated

Part I

SEAMIC HEALTH STATISTICS

1-1. Population by Sex, Rate of Population Increase, Surface Area and Density

	Date	Latest Census					Mid-year estimates 1983 (in thousands)	Annual rate of increase 1975-83(%)	Surface area (Km ²) 1983	Density 1983
		Total	Male	Female	Sex ^{a)} ratio	Persons ^{b)} Per household				
INDONESIA	31, Oct. 1980	146,776,473 ⁽¹⁾	72,951,670 ⁽¹⁾	73,824,803 ⁽¹⁾	98.8	4.9 ⁽²⁾	156,372 ⁽³⁾	2.4	1,919,413 ⁽²⁾	82 ⁽²⁾
JAPAN ⁽⁴⁾	1, Oct. 1980	116,916,400	57,490,400	59,426,100	96.7	3.2	119,483 ^(c)	1.0	372,313	314
MALAYSIA ⁽⁵⁾	10, June 1980	13,745,241	6,918,370	6,826,871	101.3	5.4	14,801 ⁽⁶⁾	2.3	330,434	45
Peninsular Malaysia		11,426,613	5,731,116	5,695,497	100.6	5.3	12,266 ⁽⁶⁾	2.2	131,588	93
Sabah		1,011,046	528,255	482,791	109.4	5.5	1,131 ⁽⁶⁾	3.8	74,397	15
Sarawak		1,307,582	658,999	648,583	101.6	5.7	1,404 ⁽⁶⁾	2.4	124,449	11
PHILIPPINES ⁽⁷⁾	1, May 1980	48,098,460	24,128,755	23,969,705	100.7	5.6	51,969	2.8	300,000	173
SINGAPORE ⁽⁸⁾	24, June 1980	2,413,945	1,231,760	1,182,185	104.2	4.7	2,502	1.3	618.1	4,048
THAILAND ⁽⁹⁾	1, April 1980	44,824,540	22,328,607	22,495,933	99.2	5.2	49,459	2.0	513	96

- Source: (1) Population of Indonesia, Indonesia, Central Bureau of Statistic
(2) Population Projection 1980—2000, Indonesia, Central Bureau of Statistic
(3) Statistical Profile of Mothers and Children in Indonesia 1983, Indonesia, Central Bureau of Statistic
(4) 1980 Population Census of Japan, Prompt Report of the Basic Findings, Part 1, Whole Japan, Statistics Bureau, Prime Ministers Office, Japan, March 1981
(5) General Report of the Population Census 1980 Vol. I Dept. of Statistics Malaysia
(6) Information and Documentation System Unit, Planning and Development Division, Ministry of Health, Malaysia
(7) Philippines 1980, Special Report No. 3, National Census & Statistics Office, Manila
(8) Census of Population 1980, Singapore, Year of Statistics, Singapore 1983/84, Dept. of Statistics, Singapore
(9) 1980 Population & Housing Census, National Statistical Office, Office of the Prime Minister, Thailand
- Note: a) Sex ratio = $M/F \times 100$, M = the number of males, F = the number of females, (round off figures to the first decimal place)
b) Average number of persons per household = $\frac{\text{the number of persons who live in ordinary household}}{\text{the number of ordinary households}}$ (round off figures to the first decimal place)
c) Data for 1, Oct. 1983

1-2. Estimates of Mid-Year Population

(in millions)

Year	Population Estimates									
	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA ⁽¹⁾	119.47	130.50	133.53	136.63	139.80	143.04	146.36	149.68	152.99	158.08
JAPAN ⁽²⁾	104.34	111.57	112.77	113.86	114.90	115.87	116.78	117.65	118.45	119.26
MALAYSIA	10.39	11.90	12.30	12.60	12.91	13.30*	13.74 ⁽³⁾	14.12 ⁽⁴⁾	14.45 ⁽⁴⁾	14.80 ⁽⁴⁾
PHILIPPINES	36.85	42.26	43.34	44.42	45.50	46.58	48.40	49.53	50.74	51.97 ⁽⁵⁾
SINGAPORE	2.07	2.26	2.29	2.33	2.35	2.38	2.41	2.44	2.47	2.50 ⁽⁶⁾
THAILAND	36.37	41.87	42.96	44.04	45.10	46.14	46.50	47.49	48.56	49.46 ^(7) a)

Source: Monthly Bulletin of Statistics Sept. 1983, United Nations, New York,

(1) Proyekan Penduduk Indonesia 1980—2000 Serie LPDG-0661-8301, Central Bureau of Statistics

(2) Vital Statistics 1983, Japan, Ministry of Health and Welfare

(3) Gen. Report of the Pop. Census Vol. I 1980 Dept., of Statistics, Ministry of Health Malaysia

(4) Population Estimates Computed by Information and Documentation Sistem Unit. Planning and Development Division, Ministry of Health Based on the 1980 Pop. Census

(5) Ministry of Health Primer, Manila, 1984

(6) Yearbook of Statistics, Singapore 1983/84, Dept. of Statistics, Singapore

(7) Report of Working Group on Population Projections, National Statistical Office, July 1981

Note: a) Estimates based on total population figures, 1970 Population & Housing Census, National Statistical Office, Thailand

1-3. Population Projection

(in thousands)

	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	
INDONESIA⁽¹⁾	148,040	165,153	183,456	202,746	222,752						
JAPAN⁽²⁾	116,916	120,301	122,834	125,383	128,119	130,008	130,276	129,332	128,115	127,184	
MALAYSIA⁽³⁾	13,745	15,564	17,444	19,748	22,454						
PHILIPPINES^{a)}	48,317	54,352	60,185	65,397	69,885	81,591	87,206	92,430	97,682	102,686	
SINGAPORE⁽⁴⁾	2,414	2,563	2,711	2,837	2,930						
THAILAND⁽⁵⁾	46,455	51,301	55,345	59,580	63,772	67,745					

Source: (1) Population Projection, Central Bureau of Statistics, Indonesia, pp 44-47
 (2) Japan Statistical Year book, 1984, Statistics Bureau
 (3) Information and Documentation System Unit, Planning and Development Division Ministry of Health
 (4) Demographic Trends in Singapore (Census Monograph No. 1), Dept. of Statistics, S'pore
 (5) Report of Working Group on Population Projections, National Statistical Office, July 1981

Note: a) From 1980-2000 = MOH Primer 1984 (Population based on medium assumption), from 2005-2025 = Population of the Philippines Current, Perspective & Future Prospects NEDA (Moderate Fertility)

1-4. Population by Age and Sex

(in thousands)

	Year	Sex	Age									
			All Ages	0	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
INDONESIA ⁽¹⁾	1980	T	148,041	4,741	22,382	19,759	17,551	15,515	13,971	11,403	8,926	8,275
		M	73,611	2,412	11,429	10,030	8,854	7,780	6,960	5,645	4,397	4,048
		F	74,430	2,301	10,953	9,729	8,697	7,734	7,010	5,757	4,529	4,226
JAPAN ⁽²⁾	1980	T	117,060	1,587	6,928	10,032	8,960	8,272	7,841	9,041	10,772	9,202
		M	57,594	814	3,552	5,142	4,595	4,224	3,960	4,545	5,422	4,595
		F	59,467	773	3,376	4,890	4,365	4,049	3,881	4,496	5,350	4,607
MALAYSIA ⁽³⁾ Peninsular Malaysia Sabah Sarawak	1982	T	14,506	1,986		1,871	1,761	1,641	1,431	1,205	1,000	745
		T	12,039	1,620		1,522	1,443	1,376	1,191	1,007	840	627
		T	1,091	185		158	134	108	113	90	72	48
		T	1,375	181		191	184	157	127	108	88	70
PHILIPPINES ⁽⁴⁾	1979	T	46,582	1,630	6,149	6,661	5,729	4,705	4,099	3,634	2,935	2,376
		M	23,150	838	3,121	3,400	2,981	2,329	1,956	1,724	1,491	1,211
		F	23,432	792	3,028	3,261	2,748	2,376	2,143	1,910	1,444	1,165
SINGAPORE ⁽⁵⁾	1983	T	2,502	44	158	203	225	259	298	282	238	170
		M	1,276	23	82	105	116	133	154	145	121	86
		F	1,227	21	75	98	109	126	144	138	117	84
THAILAND ⁽⁶⁾	1980	T	44,824	1,144	4,282	5,835	5,904	5,408	4,521	3,554	2,699	2,345
		M	22,328	584	2,188	2,979	3,006	2,696	2,240	1,743	1,333	1,162
		F	22,496	560	2,094	2,856	2,898	2,712	2,281	1,811	1,366	1,183

Source: (1) Proyeksi Penduduk Indonesia 1980-2000, LPDG-0661-8301, Central Bureau of Statistics, (Mid-Year)
 (2) 1980 Population Census of Japan, Statistical Bureau, Prime Minister's Office
 (3) Vital Statistics, Pen. M'SIA 1982 April, 1984, Dept. of Statistics, Malaysia, Population Breakdown by Age on Sabah and Sarawak

is Provided by Dept. of Statistics, Malaysia (Special Request)
 (4) 1979 Philippine Health Statistics, Ministry of Health, Manila
 (5) Dept. of Statistics, Singapore
 (6) 1980 Population & Housing Census, National Statistical Office, Office of the Prime Minister, Thailand

(in thousands)

(in thousands)

Age										
40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
7,555	6,308	4,982	3,659	2,833	2,099	1,439	860	517		
3,670	3,041	2,386	1,739	1,338	983	670	405	← 231 →		
3,885	3,267	2,596	1,920	1,495	1,116	769	455	286		
8,338	8,090	7,200	5,614	4,465	3,965	3,023	2,037	1,094	529	71
4,159	4,033	3,547	2,511	1,946	1,744	1,318	849	418	172	49
4,179	4,057	3,653	3,102	2,519	2,221	1,705	1,188	676	357	23
679	543	461	353	304	194	161	77	48	21	
568	459	389	299	255	166	141	67	41	20	
51	37	28	21	17	10	5	3	1	1	
60	47	44	33	32	18	15	7	← 6 →		-
1,910	1,583	1,397	1,258	1,025	699	792				
978	745	652	559	466	326	← 373 →				
932	838	745	699	559	373	419				
143	115	101	79	64	50	39	21	10	4	-
72	58	52	41	32	24	18	9	4	1	-
71	57	49	38	32	26	21	12	6	3	-
2,167	1,894	1,513	1,102	854	630	460	274	139	89	-
1,065	927	744	544	411	297	205	117	54	33	-
1,102	967	769	568	443	333	255	157	85	56	-

1-5. Urban and Total Population

(in thousands)

	1950			1960			1970			1980		
	Total	Urban	Rate ^{a)} Urban	Total	Urban	Rate ^{a)} Urban	Total	Urban	Rate ^{a)} Urban	Total	Urban	Rate ^{a)} Urban
INDONESIA ⁽¹⁾	80,019	9,929	12.4	97,085 ^{b)}	14,358 ^{b)}	14.8 ^{b)}	119,143	20,733	17.4	146,776	32,845	22.4
JAPAN ⁽²⁾	84,115	31,366	37.3	94,300	59,678	63.3	104,666	75,429	72.1	117,060	89,187	76.2
MALAYSIA ⁽³⁾ Peninsular Malaysia Sabah Sarawak	6,250	1,272	20.4	8,170	2,060	25.2	10,439	2,787	26.7	13,745	4,687	34.1
							8,810	2,530	28.7	11,426	4,250	37.2
							653	107	16.5	1,011	208	20.6
							975	149	15.4	1,307	230	17.6
PHILIPPINES ⁽⁴⁾	20,859	5,660	27.1	28,098	8,513	30.3	37,540	12,366	32.9	48,098	17,944	37.3
SINGAPORE ⁽⁵⁾	1,022	815	79.8	1,446 ^{b)}	1,132 ^{b)}	78.0 ^{b)}	2,075	1,562	75.0	2,414	2,414	100.0
THAILAND	20,969	2,197	10.5	⁽⁶⁾ 26,258	3,274	12.5	⁽⁷⁾ 34,397	4,553	13.2	⁽⁸⁾ 44,824	7,633	17.0

Source: Demographic Indicators of Countries: Estimates & Projections as assessed in 1980, UN.

- (1) Statistical Pocket Book of Indonesia 1962, Central Bureau of Statistic
- (2) 1980 Population Census of Japan, Statistical Bureau, Prime Minister's Office
- (3) General Report of the Population Census 1980 Vol. 1, Dept. of Statistics, Malaysia
- (4) Special Report No. 3, National Census & Statistics Office, Manila
- (5) Report on the Census of Population 1970, Singapore, Vol. 1, Dept. of Statistics

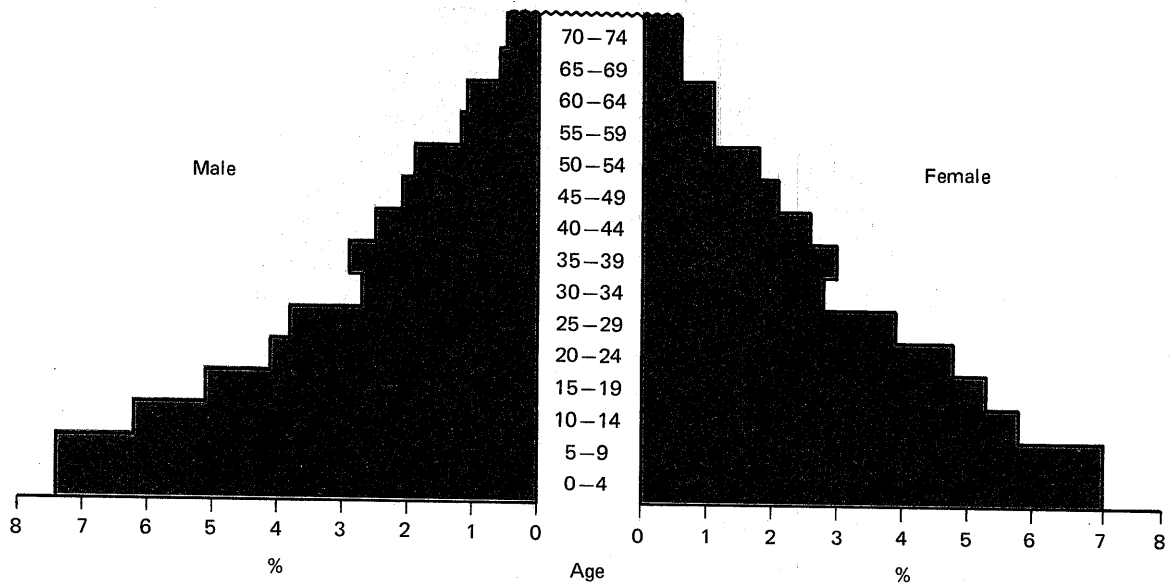
(6) 1960 Population Census, Central Statistical Office, National Economic Development Board

(7) 1970 Population & Housing Census, National Statistical Office, Office of the Prime Minister

(8) 1980 Population & Housing Census, National Statistical Office, Office of the Prime Minister

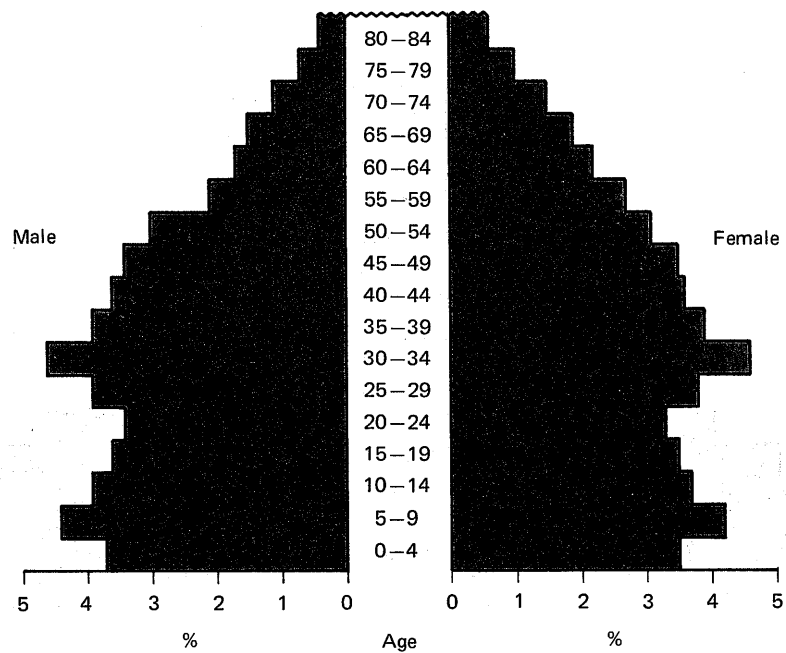
Note: a) Urban Population / Total Population x 100
(round off figures to the second decimal place)
b) Data for 1961

Fig. 1 Population Pyramid (1)



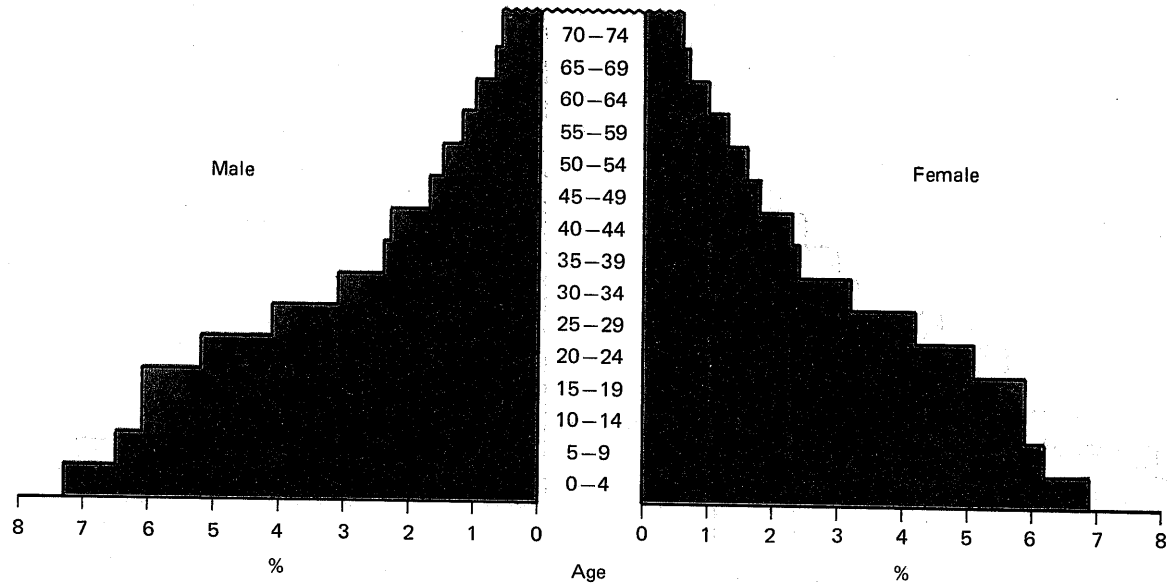
INDONESIA 1980

Fig. 1 Population Pyramid (2)



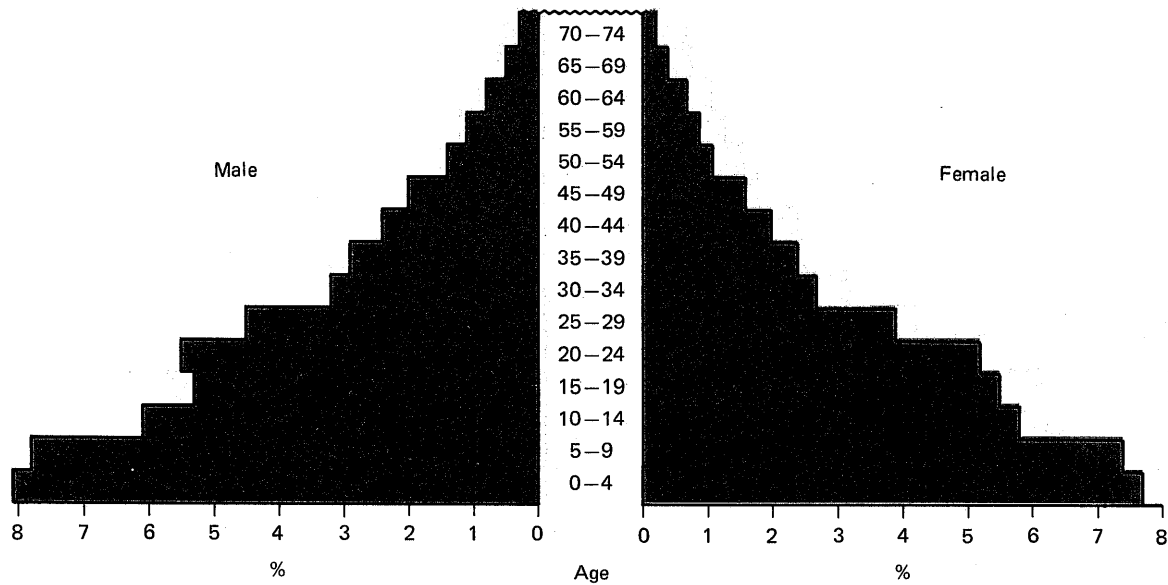
JAPAN 1980

Fig. 1 Population Pyramid (3)



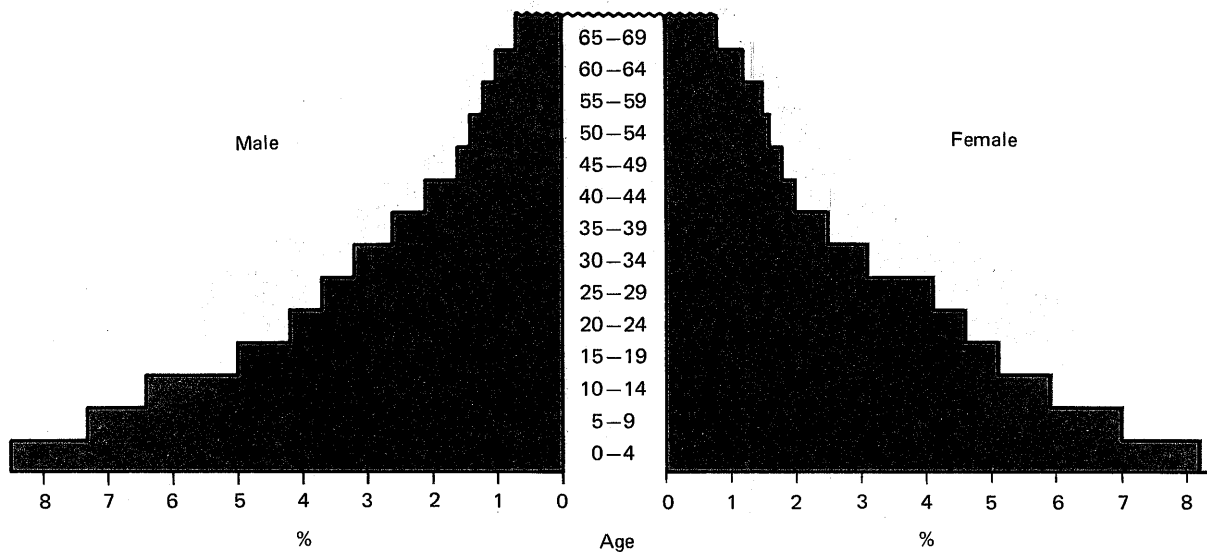
PENINSULAR MALAYSIA 1979

Fig. 1 Population Pyramid (4)



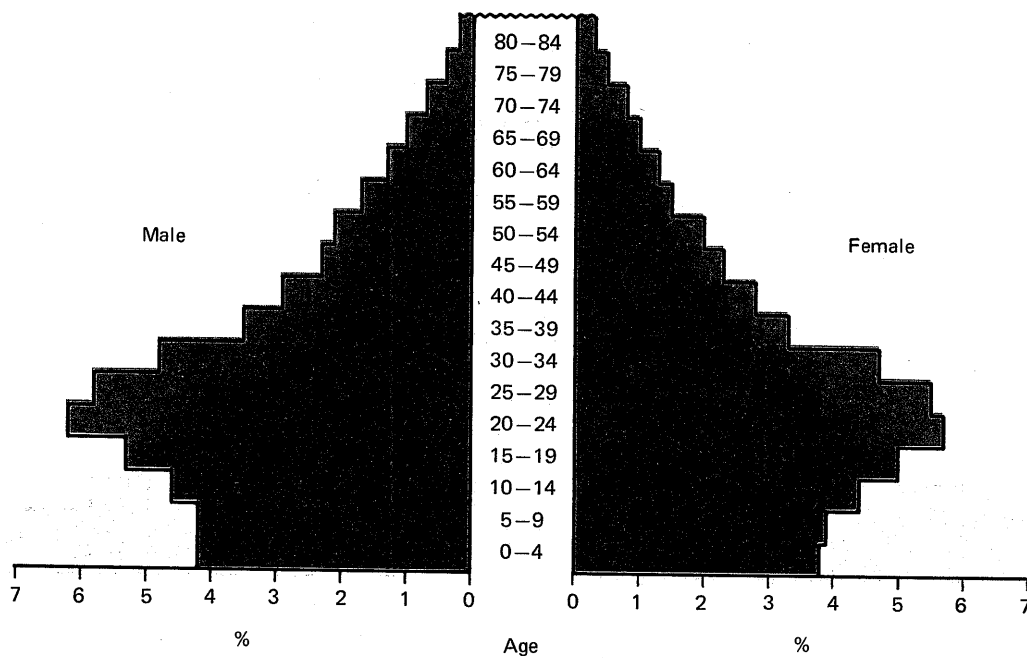
SABAH 1980

Fig. 1 Population Pyramid (5)



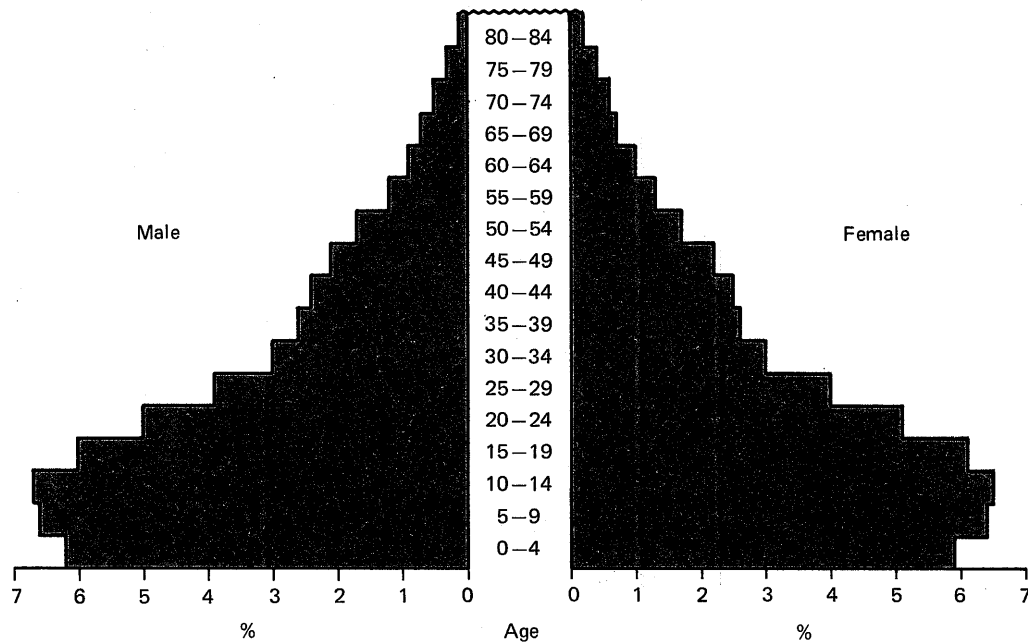
PHILIPPINES 1979

Fig. 1 Population Pyramid (6)



SINGAPORE 1983

Fig. 1 Population Pyramid (7)



THAILAND 1980

Fig. 2 Annual Change of Crude Death Rate (Per 1000)

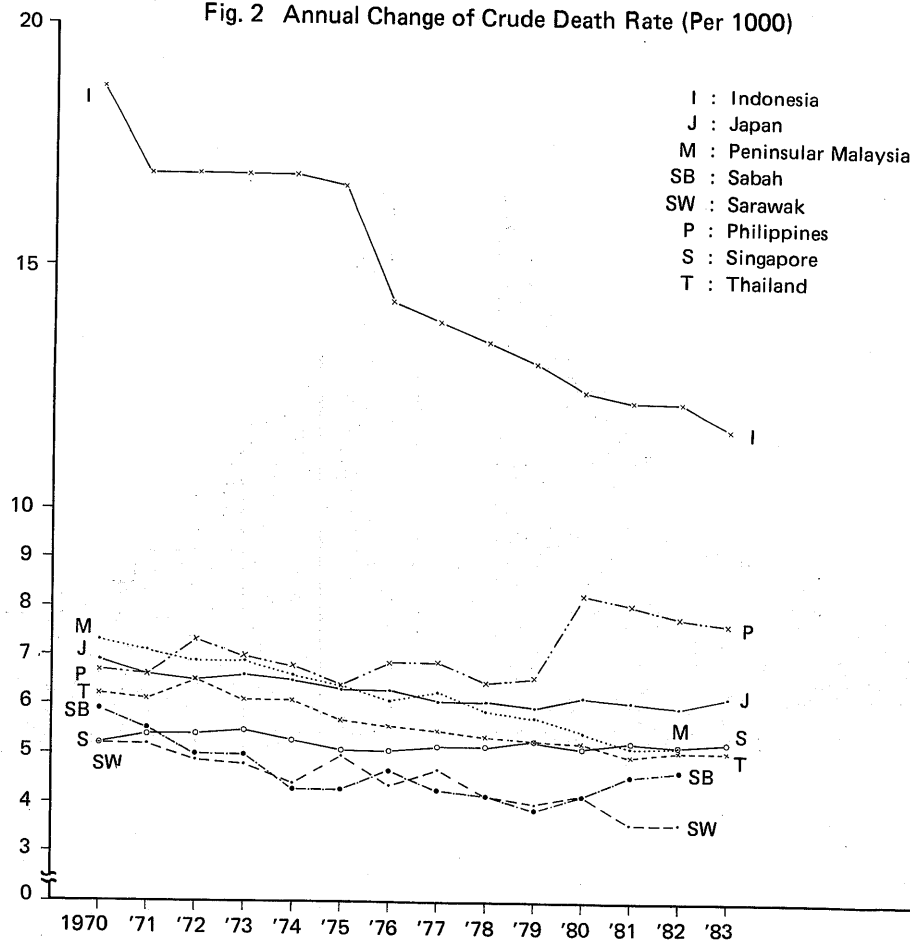
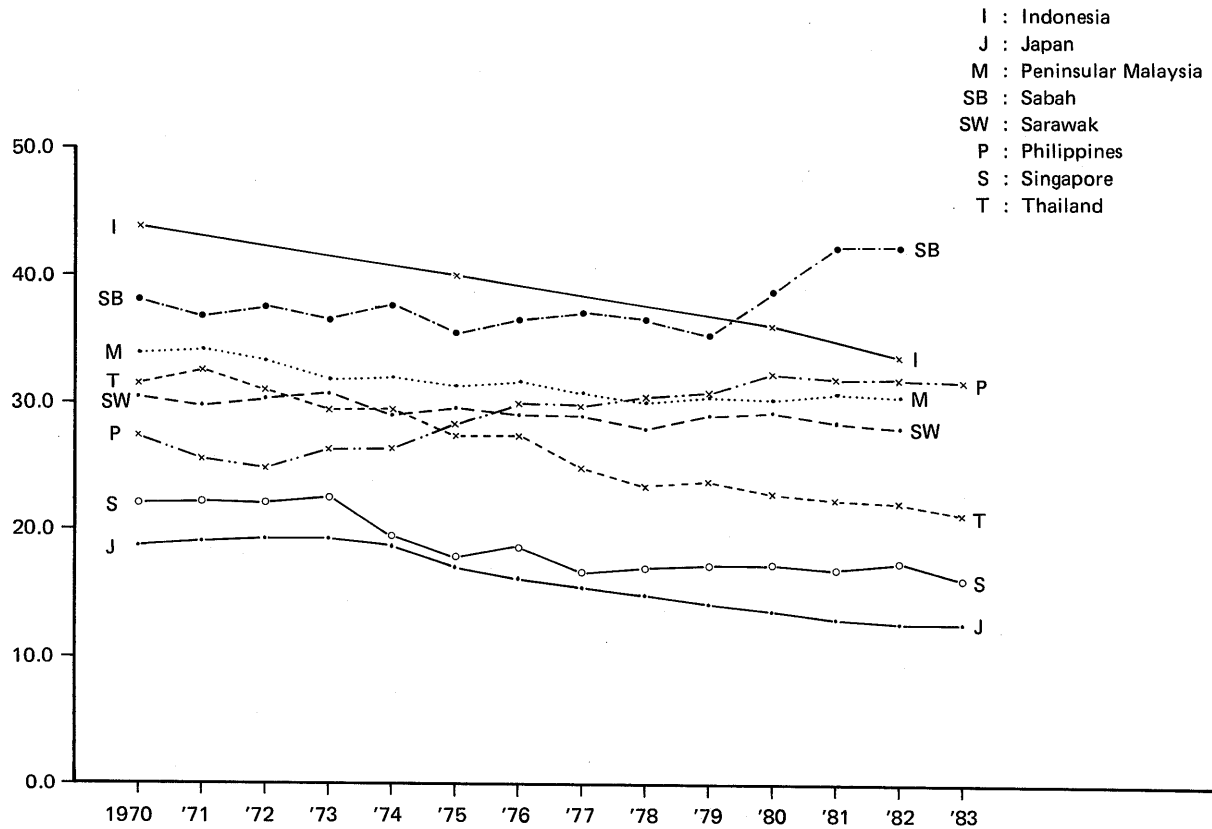


Fig. 3 Annual Change of Crude Live-birth Rate (Per 1000)



2-1. Deaths and Death Rates for All Causes (age groups) (1)

(Rate: Per 100,000 Population)

	Sex	All Ages		0		1-4		5-14		15-24		25-34	
		Number	Rate	N	R	N	R	N	R	N	R	N	R
INDONESIA ⁽¹⁾	T	0.12 ^{a)}		1.05		0.20		0.02		0.02		0.03	
	M												
	F												
JAPAN ⁽²⁾	T	740,038	632.2	9,406	592.7	3,295	47.6	3,925	20.7	9,166	56.9	13,654	68.9
	M	401,232	696.7	5,267	647.1	1,875	52.8	2,448	25.1	6,635	81.1	8,897	89.3
	F	338,806	569.7	4,139	535.4	1,420	42.1	1,477	16.0	2,531	31.9	4,757	48.3
MALAYSIA ⁽³⁾ Peninsular ^{b)} Malaysia Sabah ^{c)} Sarawak ^{c)}	T	62,974	523			9,247	571	1,961	66	2,915	114	2,779	150
	T	4,203	416			1,272	842	174	67	283	137	295	217
	T	5,262	402			1,232	729	158	45	199	80	220	126
PHILIPPINES ⁽⁴⁾	T	306,427	6.6	71,772	44.0	40,670	6.6	16,190	2.6	16,414	3.8	17,242	5.3
	M	175,563	7.5	40,917	48.8	21,667	6.9	9,161	2.9	10,600	0.5	11,150	6.9
	F	130,864	5.6	30,855	39.0	19,003	6.3	7,029	2.3	5,814	2.6	6,092	3.7
SINGAPORE ⁽⁵⁾	T	12,895	515.4	455	1046.0	108	68.6	156	36.4	459	82.4	534	102.7
	M	7,493	587.5	279	1229.0	64	78.0	95	43.0	335	116.7	346	130.2
	F	5,402	440.4	176	846.2	44	58.4	61	29.5	124	45.9	188	73.9
THAILAND ⁽⁶⁾	T	252,592	510.7	13,096	—	12,487	—	11,896	96.4	18,811	173.8	18,669	243.2
	M	144,816	582.5	7,486	—	6,833	—	6,741	107.1	12,282	223.7	12,571	323.3
	F	107,776	438.2	5,610	—	5,654	—	5,155	85.2	6,529	122.4	6,098	161.0

Source: (1) House Hold Health Survey in Indonesia 1980
 (2) Vital Statistics Japan, Ministry of Health and Welfare 1983
 (3) Vital Statistics Pen. M'SIA 1982, Sabah and Sarawak 1980
 (4) Philippine Health Statistics, Ministry of Health, Manila 1979
 (5) Report on Registration of Births and Deaths, 1982
 (6) Health Statistics Division, Ministry of Public Health, 1983

Note: a) Rates were Calculated by Sampling Survey
 b) For year 1982
 c) For year 1980
 d) 65-69 years old
 e) 70 years and over

2-1. Deaths and Death Rates for All Causes (age groups) (2)

	Sex	35—44		45—54		55—64		65—74		75 & over		Unknown	
		Number	Rate	N	R	N	R	N	R	N	R	N	R
INDONESIA	T M F	0.07		0.15		0.44							
JAPAN	T M F	26,937	153.6	61,030	399.1	91,895	911.7	166,522	2,383.0	353,798	9,666.6	410	
		17,524	200.2	41,391	546.1	57,255	1,284.6	96,658	3,156.7	162,939	11,323.1	343	
		9,413	107.1	19,639	254.7	34,640	616.3	69,864	1,779.5	190,859	8,593.4	67	
MALAYSIA	Peninsular Malaysia	T	3,166	265	5,698	672	9,920	1,791	13,762	4,482	13,310	10,398	216
	Sabah	T	329	355	398	679	517	1,494	471	3,364	448	8,534	16
	Sarawak	T	249	216	459	546	2,691*	2,638	—	—	—	—	54
PHILIPPINES	T	18,549	9.1	21,466	15.0	25,764	23.0	16,377	23.4 ^{d)}	60,114	75.9 ^{e)}	1,869	
	M	11,745	10.9	13,628	19.6	15,808	31.2	9,586	29.4	30,167	80.9	1,134	
	F	6,804	6.9	7,838	10.0	9,956	16.3	6,791	18.2	29,947	71.4	735	
SINGAPORE	T	582	186.4	1,271	590.6	2,267	1,580.9	3,463	3,899.8	3,556	9,850.4	44	
	M	366	231.8	818	745.7	1,503	2,050.5	2,069	4,961.6	1,582	11,140.8	36	
	F	216	139.9	453	429.4	764	1,089.9	1,394	2,959.7	1,974	9,013.7	8	
THAILAND	T	19,487	386.6	28,476	856.9	33,541	1,482.2	38,661	3,335.7	49,893	11,339.3	7,575	
	M	12,327	485.7	17,504	1,092.0	20,062	1,866.2	21,726	4,114.8	23,087	12,547.3	4,197	
	F	7,160	286.2	10,972	637.9	13,479	1,134.6	16,935	2,683.8	26,806	10,471.1	3,378	

Note: * Deaths For Age 55 and Over

3-1. Ten Leading Causes of Death (1)

	Year	1	2	3	4	5	
INDONESIA ⁽¹⁾	1980	Lower Respiratory Tract infection	Diarrhoea	Cardiovascular Disorders	Tuberculosis	Tetanus	
JAPAN ⁽²⁾	1983	Malignant Neoplasmus	Cerbrovascular Diseases	Heart Diseases	Pneumonia and Bronchitis	Accidents, Poisoning and Violence	
MALAYSIA	Peninsular ^(3) a) Malaysia	1983	Heart Diseases	Diseases of Early Infancy	Accidents	Cardiovascular Disease	Neoplasms
	Sabah ^(4) a)	1982	Diseases of Newborn and Early Infancy	Pneumonia (All Types)	Rheumatic and Arteriosclerotic Diseases of Heart	Diseases Accidents	Gastroenteritis
	Sarawak ^(5) a)	1981	Other Pneumonias	Cerebrovascular Diseases	Other forms of heart Diseases	Enteritis and Other Diarrhoeal Diseases	Tuberculosis of Respiratory System
PHILIPPINES ⁽⁶⁾	1979	Pneumonias	Diseases of the Heart	Tuberculosis all forms	Disease of the Vascular System	Diarrhoea	
SINGAPORE ⁽⁷⁾	1983	Diseases of the Circulatory System	Neoplasms	Diseases of the Respiratory System	Accidents, Poisonings and Violence	Infective and Parasitic Diseases	
THAILAND ⁽⁸⁾	1983	Accidents, Poisonings and Violence	Diseases of the Hearts	Neoplasms	Diseases of the Digestive System	Diseases of the Respiratory System	

Source: (1) House Hold Health Survey in Indonesia 1980
 (2) Vital Statistics Japan, Ministry of Health and Welfare 1983
 (3) Information and Documentation System Unit, Planning and Development Division, Ministry of Health Malaysia 1983
 (4) Medical Dept. Sabah 1982
 (5) Medical Dept. Sarawak Annual Report 1981

(6) Philippine Health Statistics, Ministry of Health, Manila 1979
 (7) Yearbook of Statistics, Singapore 1983/84
 (8) Health Statistics Division, Office of the Permanent Secretary, Ministry of Public Health
Note: a) Government Hospital Deaths only

3-1. Ten Leading Causes of Death (2)

	Year	6	7	8	9	10
INDONESIA⁽¹⁾	1980	Diseases of the Nervous System	Liver Disorders	Injuries and Accidents	Neoplasms	Typhoid
JAPAN⁽²⁾	1983	Senility without Mention of Psychosis	Suicide	Cirrhosis of Liver	Hypertensive Diseases	Renal Diseases
Peninsular Malaysia	1983	Pneumonias	Tuberculosis	Diseases of Liver	Deficiency Diseases	Gastro-enteritis
MALAYSIA⁽³⁾ Sabah	1982	Tuberculosis (All forms)	Malignancy (All Forms)	Hypertension and Hypertensive Heart Diseases	Septicaemia and Phyma	Vascular tension of Central Nervous System
Sarawak	1981	Symptoms and other Ill defined Conditions	Hypertensive Diseases	Other Diseases of Respiratory System	Other Diseases of Circulatory System	Acute Respiratory System
PHILIPPINES⁽⁴⁾	1979	Malignant Neoplasm	Accidents	Avitaminosis and Other Nutritional Deficiency	Measles	Nephritis, Nephrotic Syndrome and Nephrosis
SINGAPORE⁽⁵⁾	1983	Endocrine, Nutritional and Metabolic Diseases	Diseases of Digestive System	Diseases of the Genitourinary System	Congenital Anomalies	Certain Causes of Perinatal Mortality
THAILAND⁽⁶⁾	1983	Cerebrovascular Diseases	Tuberculosis	Diseases of the Nervous System	Diseases of Genito-urinary System	Certain Causes of Perinatal Mortality

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (1)

(Rate: Per 100,000 Population)

	Year	Sex	All Causes		01-07		011		010, 019, 012-016		020-021	
					Infectious and Parasitic Diseases		Typhoid Fever		Other Intestinal Infectious Diseases		Tuberculosis of Respiratory System	
			Number	Rate	N	R	N	R	N	R	N	R
INDONESIA		T M F										
JAPAN ⁽¹⁾	1983	T M F	740,038 401,232 338,806	623.0 686.6 561.4	11,687 7,169 4,518	9.8 12.3 7.5	— — —	— — —	1,239 507 732	1.0 0.9 1.2	5,088 3,728 1,360	4.3 6.4 2.3
MALAYSIA	1983	T	17,450	142.26	142	1.16	6	0.05	16	0.13	455	3.71
	1982	T	1,856	170.36	298	27.35	1	0.09	16	1.47	92	8.44
	1981	T	1,441	102.63	192	13.67	4	0.28	84	5.98	65	4.63
PHILIPPINES ⁽⁵⁾	1979	T	306,427	657.8	62,723	134.6	656	1.4	17	0.04	26,937	57.8
		M	175,563	758.4	36,381	157.1	372	1.6	12	0.05	16,047	69.3
		F	130,864	558.5	26,342	112.4	284	1.2	5	0.02	10,890	46.5
SINGAPORE ⁽⁶⁾	1983	T	13,320	532.4	432	17.3	1	0.0	55	2.2	203	8.1
		M	7,648	599.6	276	21.6	—	—	22	1.7	159	12.5
		F	5,672	462.5	156	12.7	1	0.1	32	2.6	44	3.6
THAILAND ⁽⁷⁾	1983	T	252,592	510.7	18,714	37.8	254	0.5	3,340	6.8	5,462	11.0
		M	144,816	582.5	11,142	44.8	137	0.6	1,879	7.6	3,611	14.5
		F	107,776	438.2	7,572	30.8	117	0.5	1,461	5.9	1,851	7.5

Source. (1) Vital Statistics, Japan, 1983
 (2) Information and Documentation System Unit, Planning and Development Division, Ministry of Health, Malaysia.
 (3) Medical and Health Dept. Sabah. Annual Report 1982.

Note: (4) Medical and Health Dept. Sawarak, Annual Report 1981.
 (5) Philippine Health Statistics, Ministry of Health, Manila, 1979.
 (6) Department of Statistics, Singapore.
 (7) Ministry of Public Health, Thailand (official data.)
 a) Government Hospital Deaths only

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (2)

	Year	Sex	022-025, 029		034		036		037		038	
			Tuberculosis, Other Forms		Whooping Cough		Meingococcal Infection		Tetanus		Septicaemia	
			N	R	N	R	N	R	N	R	N	R
INDONESIA		T M F										
JAPAN	1983	T M F	241 138 103	0.2 0.2 0.2	12 8 4	0.0 0.0 0.0	3 2 1	0.0 0.0 0.0	44 22 22	0.0 0.0 0.0	1,998 929 1,069	1.7 1.6 1.8
MALAYSIA	1983	T	—	—	—	—	7	0.06	26	0.21	1,017	8.29
	1982	T	11	1.01	—	—	5	0.46	23	2.11	75	6.89
	1981	T	5	0.36	—	—	2	0.14	2	0.14	4	0.28
PHILIPPINES	1979	T	28,221	60.6	157	0.3	82	0.2	1,226	2.6	2,328	5.0
		M	16,755	72.4	88	0.4	44	0.2	826	3.6	1,208	5.2
		F	11,466	48.9	69	0.3	38	0.2	400	1.7	1,120	4.8
SINGAPORE	1983	T	21	0.8	—	—	—	—	2	0.1	88	3.5
		M	15	1.2	—	—	—	—	1	0.1	45	3.5
		F	6	0.5	—	—	—	—	1	0.1	43	3.5
THAILAND	1983	T	63	0.1	21	0.0	2	0.0	521	1.1	2,921	5.9
		M	41	0.2	6	0.0	2	0.0	296	1.2	1,544	6.2
		F	22	0.1	15	0.0	—	—	225	0.9	1,377	5.6

(Rate: Per 100,000 Population)

030-033, 035, 039		042		040, 041, 043-049		052		050, 051, 053, 054, 059		06		07		08-14	
Other Bacterial Diseases		Measles		Other Viral Diseases		Malaria		Other Arthropodborne Diseases		Venereal Diseases		Other Infectious and Parasitic Diseases		Malignant Neoplasms	
N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
86	0.1	47	0.0	1,241	1.0	2	0.0	1	0.0	104	0.1	1,610	1.4	176,206	148.3
50	0.1	23	0.0	725	1.2	2	0.0	—	—	74	0.1	973	1.7	103,330	176.8
36	0.1	24	0.0	516	0.9	—	—	1	0.0	30	0.0	637	1.1	72,876	120.8
81	0.66	7	0.06	31	0.25	17	0.14	—	—	4	0.03	6	0.05	1,293	10.54
7	0.64	5	0.46	14	1.29	43	3.95	—	—	—	—	4	0.37	102	9.36
4	0.28	3	0.21	3	0.21	—	—	—	—	3	0.21	1	0.07	138	9.83
354	0.8	5,607	12.0	523	1.1	1,142	2.5	29	0.06	—	—	589	1.3	15,499	32.2
150	0.6	2,865	12.4	273	1.2	709	3.1	15	0.06	—	—	334	1.4	8,340	36.0
204	0.8	2,742	11.7	250	1.1	433	1.8	14	0.05	—	—	255	1.1	7,109	30.3
6	0.2	1	0.0	35	1.4	3	0.1	—	—	4	0.2	14	0.6	2,858	114.2
4	0.3	1	0.1	16	1.3	3	0.2	—	—	2	0.2	8	0.6	1,739	136.3
2	0.2	—	—	19	1.5	—	—	—	—	2	0.2	6	0.5	1,119	91.2
380	0.8	97	0.2	1,373	2.8	2,898	5.9	—	—	13	0.0	1,369	2.8	13,327	27.0
213	0.9	49	0.2	754	3.0	1,822	7.3	—	—	4	0.0	784	3.2	7,434	29.9
167	0.7	48	0.2	619	2.5	1,076	4.4	—	—	9	0.0	585	2.4	5,893	24.0

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (3)

	Year	Sex	08		090		091		093		094		
			Malignant Neoplasm of Lip, Oral Cavity and Pharynx		Malignant Neoplasm of Oesophagus		Malignant Neoplasm of Stomach		Malignant Neoplasm of Colon		Malignant Neoplasm of Rectum, Rectosigmoid Junction and Anus		
			N	R	N	R	N	R	N	R	N	R	
INDONESIA		T M F											
JAPAN	1983	T M F	1,992 1,408 584	1.7 2.4 1.0	5,996 4,776 1,220	5.0 8.2 2.0	49,366 30,591 18,775	41.6 52.4 31.1	9,746 4,763 4,983	8.2 8.2 8.3	7,618 4,299 3,319	6.4 7.4 5.5	
MALAYSIA	Peninsular Malaysia	1983	T	114	0.93	52	0.42	126	1.03	46	0.38	66	0.54
	Sabah	1982	T	19	1.74	—	—	10	0.92	3	0.27	4	0.37
	Sarawak	1981	T	9	0.64	7	0.50	29	2.06	8	0.57	7	0.50
PHILIPPINES	1979	T	1,073	2.3	161	0.3	1,290	2.8	478	1.0	277	0.6	
		M	621	2.7	104	0.4	749	3.2	265	1.1	153	0.7	
		F	452	1.9	57	0.2	541	2.3	213	0.9	124	0.5	
SINGAPORE	1983	T	198	7.9	120	4.8	339	13.5	200	8.0	120	4.8	
		M	139	10.9	94	7.4	220	17.2	100	7.8	72	5.6	
		F	59	4.8	26	2.1	119	9.7	100	8.2	48	3.9	
THAILAND	1983	T	416	0.8	205	0.4	382	0.8	473	1.0	22	0.0	
		M	267	1.1	166	0.7	234	0.9	266	1.1	14	0.0	
		F	149	0.6	39	0.2	148	0.6	207	0.8	8	0.0	

(Rate: Per 100,000 Population)

095	100	101	113	120	122	124	126
Malignant Neoplasm of Liver, Specified as Primary N R	Malignant Neoplasm of Larynx N R	Malignant Neoplasm of Trachea, Bronchus and Lung N R	Malignant Neoplasm of Female Breast N R	Malignant Neoplasm of Cervix Uteri N R	Malignant Neoplasm of Uterus, Other and Unspec. N R	Malignant Neoplasm of Prostate N R	Malignant Neoplasm of Bladder N R
17,646 14.9	807 0.7	25,651 21.6					2,496 2.1
12,604 21.6	716 1.2	18,644 31.9				2,168 3.7	1,670 2.9
5,042 8.4	91 0.2	7,007 11.6	4,417 7.3	1,720 2.8	3,368 5.6		826 1.4
92 0.75	44 0.36	205 1.67	85 0.69	52 0.42	10 0.08	8 0.06	11 0.09
— —	2 0.18	20 1.84	3 0.27	5 0.46	2 0.18	3 0.27	— —
— —	7 0.50	24 1.71	2 0.14	4 0.28	1 0.07	2 0.14	— —
	124 0.3	1,573 3.4					
	82 0.4	1,118 4.8				248 0.5	
	42 0.2	455 1.9	876 1.9	196 0.4	724 1.6		
62 2.5	44 1.8	674 26.9					46 1.8
51 4.0	38 3.0	496 38.9				29 2.3	33 2.6
11 0.9	6 0.5	178 14.5	115 9.4	91 7.4	22 1.8		13 1.1
— —	61 0.1	1,189 2.4					80 0.2
— —	51 0.2	860 3.5				17 0.1	66 0.3
— —	10 0.0	329 1.3	211 0.9	215 0.9	381 1.6		14 0.1

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (4)

	Year	Sex	Rest		141		140, 149		15-17		181	
			Malignant Neoplasm of Other Sites		Leukaemia		Other Malignant Neoplasms of Lymphatic and Haemopoietic		Benign Neoplasm, Other and Unspecified Neoplasm		Diabetes Mellitus	
			N	R	N	R	N	R	N	R	N	R
INDONESIA		T M F										
JAPAN	1983	T M F	46,190 24,369 21,821	38.9 41.7 36.2	4,893 2,783 2,110	4.1 4.8 3.5	5,612 3,329 2,283	4.7 5.7	6,196 3,494 2,702	5.2 6.0 4.5	8,892 4,194 4,698	7.5 7.2 7.8
MALAYSIA	1983	T	78	0.64	126	1.03	24	0.19	27	0.22	264	2.15
	1982	T	28	2.57	12	1.10	1	0.09	2	0.18	14	1.29
	1981	T	15	1.07	10	0.71	10	0.71	7	0.50	29	2.06
PHILIPPINES	1979	T	5,391	11.6	1,382	3.0	348	0.7	482	1.0	1,511	3.2
		M	3,443	14.9	733	3.2	230	1.0	240	1.0	687	3.0
		F	1,948	8.3	649	2.8	118	0.5	242	1.0	824	3.5
SINGAPORE	1983	T	645	25.8	93	3.7	60	2.4	45	1.8	373	14.9
		M	373	29.2	51	4.0	43	3.4	26	2.0	133	10.4
		F	272	22.2	42	3.4	17	1.4	19	1.5	240	19.6
THAILAND	1983	T	9,011	18.2	404	0.8	260	0.5	—	—	1,772	3.6
		M	5,104	20.5	214	0.9	175	0.7	—	—	818	3.3
		F	3,907	15.9	190	0.8	85	0.4	—	—	954	3.9

(Rate: Per 100,000 Population)

180, 182, 183, 189		191		192		190, 193		200		209		210		220	
Other Endocrine and Metabolic Diseases		Nutritional Marasmus		Other Protein-Calorie Malnutrition		Other Nutritional Deficiencies		Anaemias		Other Diseases of Blood and Blood-forming Organs		Mental Disorders		Meningitis	
N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
1,543	1.3	—	—	255	0.2	205	0.2	1,560	1.3	1,076	0.9	2,990	2.5	617	0.5
731	1.3	—	—	144	0.2	99	0.2	673	1.2	537	0.9	1,465	2.5	342	0.6
812	1.3	—	—	111	0.2	106		887	1.5	539	0.9	1,525	2.5	275	0.5
28	0.22	42	0.34	—	—	8	0.06	87	0.71	32	0.26	12	0.10	145	1.18
7	0.64	—	—	—	—	13	1.19	6	0.55	—	—	4	0.37	9	0.83
5	0.36	—	—	—	—	6	0.43	6	0.43	12	0.85	1	0.07	24	1.71
1,206	2.6	504	1.1	85	0.2	7,195	15.4	1,516	3.3	357	0.8	435	0.9	2,841	6.1
645	2.8	278	1.2	54	0.2	3,812	16.5	790	3.4	212	0.9	294	1.3	1,580	6.8
561	2.4	226	1.0	31	0.1	3,383	14.4	726	3.1	145	3.1	141	0.6	1,261	5.4
26	1.0	—	—	24	1.0	—	—	25	1.0	8	0.3	9	0.4	19	0.8
11	0.9	—	—	9	0.7	—	—	7	0.5	6	0.5	4	0.3	13	1.0
15	1.2	—	—	15	1.2	—	—	18	1.5	2	0.2	5	0.4	6	0.5
108	0.2	211	0.4	—	—	495	1.0	202	0.4	110	0.2	491	1.0	661	1.3
53	0.2	92	0.4	—	—	274	1.1	88	0.4	52	0.2	400	1.6	409	1.6
55	0.2	119	0.5	—	—	221	0.9	114	0.5	58	0.2	91	0.4	252	1.0

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (5)

	Year	Sex	223		225		221, 222, 224, 229, 23, 24		25-30		250	
			Multiple Sclerosis		Epilepsy		Other Diseases of Nervous System and Sense Organs		Diseases of the Circulatory System		Acute Rheumatic Fever	
			N	R	N	R	N	R	N	R	N	R
INDONESIA		T M F										
JAPAN	1983	T M F	84 31 53	0.1 0.1 0.1	521 284 237	0.4 0.5 0.4	4,766 2,519 2,247	4.0 4.3 3.7	300,009 148,916 151,093	252.6 254.8 250.4	60 13 47	0.1 0.0 0.1
MALAYSIA	1983	T	1	0.01	27	0.22	444	3.62	3,125	25.48	2	0.02
	1982	T	—	—	1	0.09	63	5.78	217	19.92	1	0.09
	1981	T	—	—	3	0.21	13	0.93	277	19.73	2	0.14
PHILIPPINES	1979	T			777	1.7	5,368	11.5	49,866	107.1	37	0.08
		M			419	1.8	2,988	12.9	27,895	120.5	21	0.09
		F			358	1.5	2,380	10.2	21,971	93.8	16	0.06
SINGAPORE	1983	T	—	—	13	0.5	60	2.4	4,436	177.3	—	—
		M	—	—	6	0.5	29	2.3	2,397	187.9	—	—
		F	—	—	7	0.6	31	2.5	2,039	166.2	—	—
THAILAND	1983	T	—	—	204	0.4	4,461	9.0	25,205	51.0	14	0.0
		M	—	—	113	0.4	2,630	10.6	15,356	61.8	5	0.0
		F	—	—	91	0.4	1,831	7.4	9,849	40.0	9	0.0

(Rate: Per 100,000 Population)

251		26		270		279		28		29		300		301, 302	
Chronic Rheumatic Heart Disease		Hypertensive Disease		Acute Myocardial Infarction		Other Ischaemic Heart Diseases		Diseases of Pulmonary Circulation and Other Forms of Heart Disease		Cerebrovascular Disease		Atherosclerosis		Embolism, Thrombosis and Other Dis. of Arteries, Arterioles & Capillaries	
N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
1,724	1.5	13,482	11.3	30,893	26.0	19,016	16.0	80,611	67.9	145,880	122.8	4,345	3.7	3,153	2.7
564	1.0	5,400	9.2	17,924	30.7	9,203	15.7	39,721	68.0	71,631	122.6	1,869	3.2	2,075	3.6
1,160	1.9	8,082	13.4	12,969	21.5	9,813	16.3	40,890	67.8	74,249	123.0	2,476	4.1	1,078	1.8
34	0.28	190	1.55	537	4.38	347	2.83	433	3.52	1,059	8.63	5	0.04	15	0.12
1	0.09	55	5.05	—	—	—	—	19	1.74	36	3.30	13	1.19	2	0.18
17	1.21	49	3.49	22	1.57	—	—	87	6.20	90	6.41	4	0.28	10	0.71
2,350	5.0			5,844	12.5	4,567	9.8	15,453	33.2	8,359	17.9	1,901	4.1	388	0.9
1,130	4.9			3,841	16.6	2,425	10.5	8,135	35.1	4,879	21.1	906	3.9	231	1.0
1,220	5.2			2,003	8.5	2,142	9.1	7,318	31.2	3,480	14.8	995	4.2	157	0.7
65	2.6	273	10.9	1,733	69.3	438	17.5	402	16.1	1,454	58.1	3	0.1	55	2.2
26	2.0	131	10.3	1,098	86.1	261	20.5	205	16.1	630	49.4	1	0.1	37	2.9
39	3.2	142	11.6	635	51.8	177	14.4	197	16.1	824	67.2	2	0.2	18	1.5
242	0.5	1,766	3.6	599	1.2	373	0.8	15,444	31.2	5,861	11.8	2	0.0	70	0.1
124	0.5	1,026	4.1	386	1.6	237	1.0	9,429	37.9	3,598	14.5	2	0.0	39	0.2
118	0.5	740	0.5	213	0.9	136	0.6	6,015	24.4	2,263	9.2	—	—	31	0.1

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (6)

	Year	Sex	303		304, 305, 309		310-312		320		321	
			Phlebitis, Thrombophlebitis, Venous Embolism and Thrombosis		Other Diseases of the Circulatory System		Acute Upper Respiratory Infection		Acute Bronchitis and Bronchiolitis		Pneumonia	
			N	R	N	R	N	R	N	R	N	R
INDONESIA		T M F										
JAPAN	1983	T M F	316 267 49	0.3 0.5 0.1	529 249 280	0.4 0.4 0.5	1,699 737 962	1.4 1.3 1.6	1,808 862 946	1.5 1.5 1.6	40,237 22,795 17,442	33.9 39.0 28.9
MALAYSIA	1983	T	77	0.63	206	1.68	46	0.37	29	0.24	615	5.01
	1982	T	19	1.74	19	1.74	18	1.65	11	1.01	239	21.94
	1981	T	6	0.43	54	3.85	42	3.00	15	1.07	131	9.33
PHILIPPINES	1979	T	171	0.4	736	1.6	225	0.5	3,219	6.9	49,019	105.2
		M	101	0.4	468	2.0	119	0.5	1,757	7.6	26,408	114.1
		F	70	0.3	268	1.1	106	0.4	1,462	6.2	22,611	96.5
SINGAPORE	1983	T	3	0.1	10	0.4	2	0.1	—	—	1,513	60.5
		M	2	0.2	6	0.5	—	—	—	—	780	61.2
		F	1	0.1	4	0.3	2	0.2	—	—	733	59.8
THAILAND	1983	T	—	—	834	1.7	1,222	2.5	4	0.0	4,965	10.0
		M	—	—	510	2.0	716	2.9	4	0.0	2,936	11.8
		F	—	—	324	1.3	506	2.1	—	—	2,029	8.2

(Rate: Per 100,000 Population)

322		323		313-315, 324-327, 329		341		342		343, 344		347		33, 340, 345, 346, 348, 349	
Influenza		Bronchitis, Chronic and Unspecified, Emphysema and Asthma		Other Diseases of Respiratory System		Ulcer of Stomach and Duodenum		Appendicitis		Hernia of Abdominal Cavity and Intestinal Obstruction		Chronic Liver Disease and Cirrhosis		Other Diseases of the Digestive System	
N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
751	0.6	13,885	11.7	8,610	7.2	4,859	4.1	151	0.1	2,516	2.1	16,795	14.1	13,764	11.6
331	0.6	8,830	15.1	5,587	9.6	2,686	4.6	81	0.1	1,193	2.0	11,949	20.4	6,923	11.8
420	0.7	5,055	8.4	3,023	5.0	2,173	3.6	70	0.1	1,323	2.2	4,846	8.0	6,841	11.3
		98	0.80	656	5.35	131	1.07	6	0.05	45	0.37	274	2.23	166	1.35
		16	1.47	18	1.65	17	1.56	2	0.18	10	0.92	27	2.48	10	0.92
		15	1.07	47	3.35	4	0.28	3	0.21	11	0.78	17	1.21	33	2.35
1,803	3.8			3,111	6.7			456	1.0	154	0.3	1,940	4.2	4,774	10.2
1,014	4.4			1,631	7.0			271	1.2	135	0.6	1,551	6.7	3,158	13.6
789	3.4			1,480	6.3			185	0.8	19	0.1	389	1.7	1,616	6.9
8	0.3	178	7.1	727	29.1	75	3.0	7	0.3	23	0.9	132	5.3	166	6.6
1	0.1	112	8.8	533	41.8	49	3.8	1	0.1	17	1.3	102	8.0	93	7.3
7	0.6	66	5.4	194	15.8	26	2.1	6	0.5	6	0.5	30	2.4	73	6.0
409	0.8	846	1.7	2,686	5.4	971	2.0	142	0.3	194	0.4	4,259	8.6	5,494	11.1
218	0.9	550	2.2	1,692	6.8	681	2.7	84	0.3	131	0.5	3,014	12.1	3,444	13.8
191	0.8	296	1.2	994	4.0	290	1.2	58	0.2	63	0.3	1,245	5.1	2,050	8.3

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (7)

	Year	Sex	350		351		360		37, 352, 353, 361-363, 369		38	
			Nephritis, Nephrotic Syndrome and Nephrosis		Infections of Kidney		Hyperplasia of Prostate		Other Diseases of the Genitourinary System		Abortion	
			N	R	N	R	N	R	N	R	N	R
INDONESIA		T M F										
JAPAN	1983	T M F	12,269 6,146 6,123	10.3 10.5 10.1	1,333 405 928	1.1 0.7 1.5		437 0.7 . . .	1,281 529 752	1.1 0.9 1.2	. . . 11	. . . 0.0
MALAYSIA	1983	T	164	1.34	9	0.07	1	0.01	28	0.23	5	0.04
	1982	T	36	3.30	9	0.83	1	0.09	3	0.27	2	0.18
	1981	T	19	1.35	5	0.36	2	0.14	17	1.21	1	0.07
PHILIPPINES	1979	T	4,626	9.9	521	1.1			760	1.6		
		M	2,641	11.4	288	1.2	73	0.2	347	1.5	. . .	. . .
		F	1,985	8.5	233	1.0	. . .	. . .	413	1.8	185	0.4
SINGAPORE	1983	T	284	11.4	16	0.6			8	0.3		
		M	133	10.4	5	0.4	4	0.3	1	0.1	. . .	. . .
		F	151	12.3	11	0.9	. . .	. . .	7	0.6	1	0.1
THAILAND	1983	T	3,005	6.1	7	0.0			482	1.0		
		M	1,675	6.7	4	0.0	9	0.0	272	1.1	. . .	. . .
		F	1,330	5.4	3	0.0	. . .	. . .	210	0.8	51	0.2

(Rate: Per 100,000 Population)

390		391		394		392, 393, 399		40, 41		42		43		440	
Haemorrhage of Pregnancy and Childbirth		Toxaemia of Pregnancy		Complications of the Puerperium		Other Direct Obstetric Causes		All Other Indirect Obstetric Causes		Diseases of Skin and Subcutaneous Tissue		Diseases of the Musculoskeletal System and Connective Tissue		Spina Bifida and Hydrocephalus	
N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	677	0.6	3,794	3.2	167	0.1
71	0.1	48	0.1	44	0.1	60	0.1	32	0.1	252	0.4	878	1.5	99	0.2
										425	0.7	2,916	4.8	68	0.1
2	0.02	1	0.01	57	0.46	—	—	3	0.02	16	0.13	53	0.43	28	0.23
1	0.09	—	—	5	0.46	—	—	5	0.46	—	—	—	—	—	—
5	0.35	1	0.07	16	1.14	1	0.07	1	0.07	2	0.14	—	—	—	—
				225	0.5					948	2.0	646	1.4		
• • •	• • •			• • •						527	2.3	384	1.6		
128	0.3			225	0.5					421	1.8	262	1.1		
										43	1.7	31	1.2	6	0.2
• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	18	1.4	—	—	1	0.1
2	0.2	—	—	3	0.2	—	—	—	—	25	2.0	31	2.5	5	0.4
										142	0.3	57	0.1	5	0.0
• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	85	0.3	31	0.1	3	0.0
205	0.8	3	0.0	11	0.0	390	1.6	10	0.0	57	0.2	26	0.1	2	0.0

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (8)

	Year	Sex	442		441, 443-447, 449		453		450-452, 454, 455, 459		465		
			Congenital Anomalies of Heart and Circulatory System		Other Congenital Anomalies		Birth Trauma		Other Conditions Originating in the Perinatal Period		Senility without Mention of Psychosis		
			N	R	N	R	N	R	N	R	N	R	
INDONESIA		T M F											
JAPAN	1983	T M F	2,643 1,362 1,281	2.2 2.3 2.1	1,537 763 774	1.3 1.3 1.3	418 255 163	0.4 0.4 0.3	2,748 2,140 1,608	3.2 3.7 2.7	29,391 10,225 19,166	24.7 17.5 31.8	
MALAYSIA	Peninsular Malaysia	1983	T	190	1.55	118	0.96	32	0.26	609	4.96	103	0.84
	Sabah	1982	T	2	0.18	8	0.73	3	0.27	36	3.30	10	0.92
	Sarawak	1981	T	7	0.50	23	1.64	6	0.43	31	2.21	6	0.43
PHILIPPINES	1979	T M F									10,846 4,617 6,229	23.3 19.9 26.6	
SINGAPORE	1983	T M F	86 42 44	3.4 3.3 3.6	63 33 30	2.5 2.6 2.4	4 1 3	0.2 0.1 0.2	145 81 64	5.8 6.4 5.2	208 81 127	8.3 6.4 10.4	
THAILAND	1983	T M F	291 165 126	0.6 0.7 0.5	364 198 166	0.7 0.8 0.7	— — —	— — —	3,242 1,827 1,415	6.6 7.4 5.8	58,888 27,798 31,090	119.1 111.8 126.4	

(Rate: Per 100,000 Population)

460-464, 466, 467, 469	E47-E53		E471		E470, E472-E474, E479		E48		E50		E51		E521	
Signs, Symptoms and Other III-defined Conditions N R	Accidents and Adverse Effects N R		Motor Vehicle Traffic Accidents N R		Other Transport Accidents N R		Accidental Poisoning N R		Accidental Falls N R		Accidents Caused by Fire and Flames N R		Accidental Drowning and Submersion N R	
2,053 1.7	29,668	25.0	12,919	10.9	1,334	1.1	796	0.7	4,069	3.4	1,259	1.1	3,188	2.7
1,234 2.1	21,261	36.4	9,597	16.4	1,102	1.9	490	0.8	2,640	4.5	764	1.3	2,222	3.8
819 1.4	8,407	13.9	3,322	5.5	232	0.4	306	0.5	1,420	2.4	495	0.8	966	1.6
236 1.92	1,204	9.81	748	6.10	2	0.02	278	2.27	41	0.33	27	0.22	2	0.02
45 4.13	128	11.75	46	4.22	4	0.36	29	2.66	3	0.27	9	0.83	—	—
60 4.27	130	9.26	23	1.64	13	0.93	9	0.64	20	0.14	3	0.21	3	0.21
15,984 34.3			2,173	4.7	40	0.09	723	1.6	816	1.8	30	0.06	1,980	4.3
9,350 40.4			1,563	6.8	28	0.12	403	1.7	607	2.6	13	0.06	1,380	6.0
6,634 28.3			610	2.6	12	0.05	320	1.4	209	0.9	17	0.07	600	2.6
107 4.3	553	22.1	323	12.9	23	0.9	12	0.5	85	3.4	5	0.2	—	—
69 5.4	453	35.5	252	19.8	19	1.5	8	0.6	79	6.2	3	0.2	—	—
38 3.1	100	8.2	71	5.8	4	0.3	4	0.3	6	0.5	2	0.2	—	—
69,269 140.1	17,526	35.4	6,322	12.8	249	0.5	201	0.4	381	0.8	264	0.5	2,749	5.6
38,445 154.6	12,953	52.1	4,885	19.6	197	0.8	110	0.4	289	1.2	163	0.7	1,841	7.4
30,824 125.3	4,573	18.6	1,437	5.8	52	0.2	91	0.4	92	0.4	101	0.4	908	3.7

4-1. Deaths and Death Rates by Cause (ICD-9 "A") (9)

	Year	Sex	E523		E524		E49, E520, E522, E529		E53		E54	
			Accidents Caused by Machinery and by Cutting and Piercing Instruments		Accidents Caused by Firearm Missile		All Other Accidents, Including Late Effects		Drugs, Medicaments Causing Adverse Effects in Therapeutic Use		Suicide and Self-inflicted Injury	
			N	R	N	R	N	R	N	R	N	R
INDONESIA		T M F										
JAPAN	1983	T M F	1,323 1,128 195	1.1 1.9 0.3	142 97 45	0.1 0.2 0.1	4,588 3,195 1,393	3.9 5.5 2.3	4,341 2,786 1,555	3.7 4.8 2.6	24,985 16,876 8,109	21.0 28.9 13.4
MALAYSIA	1983	T	23	0.19	5	0.04	33	0.27	—	—	7	0.14
	1982	T	—	—	—	—	—	—	10	0.92	11	1.01
	1981	T	12	0.85	—	—	21	1.50	—	—	24	1.71
PHILIPPINES	1979	T							744 ^{a)}	1.6	311	0.7
		M							603	2.6	189	0.8
		F							141	0.6	122	0.5
SINGAPORE	1983	T	1	0.0	—	—	104	4.2	—	—	267	10.7
		M	1	0.1	—	—	91	7.1	—	—	156	12.2
		F	—	—	—	—	13	1.1	—	—	111	9.1
THAILAND	1983	T	27	0.0	194	0.4	7,137	14.4	2	0.0	3,248	6.6
		M	25	0.1	167	0.7	5,274	21.2	2	0.0	1,722	6.9
		F	2	0.0	27	0.1	1,863	7.6	—	—	1,526	6.2

Note: ^{a)} All accident including late effects

(Rate: Per 100,000 Population)

E55		E56		
Homicide and Injury Purposely Inflicted by Other Persons		Other Violence		
N	R	N	R	
1,151	1.0	2,255	1.9	
672	1.0	1,586	2.7	
479	0.8	669	1.1	
14	0.11	—	—	
6	0.55	—	—	
2	0.14	—	—	
277	0.6			
243	1.0			
34	0.1			
58	2.3	206	8.2	
40	3.1	160	12.5	
18	1.5	46	3.8	
8,209	16.6	25	0.0	
7,283	29.3	15	0.0	
926	3.8	10	0.0	

5-1. Number of Cases of Infections

	Year	Sex	Cholera	Typhoid Fever and Paratyphoid Fever	Typhoid Fever	Paratyphoid Fever	Other Salmonella Infection	Amoebiasis and Bacillary Dysentery
INDONESIA ⁽¹⁾	1983	T	13,024					
JAPAN ⁽²⁾⁽³⁾	1983	T	35	455	288	167	362 ⁽³⁾	1,658
		M	26	267	170	97		973
		F	9	188	118	70		685
MALAYSIA ⁽⁴⁾	1983	T	2,195	1,953				
Peninsular Malaysia	1983	T	699	1,535				
Sabah	1983	T	1,474	81				
Sarawak	1983	T	22	337				
PHILIPPINES ⁽⁵⁾	1979	T	1,268	3,525				28,268
		M	747	2,066				15,728
		F	521	1,459				12,540
SINGAPORE ⁽⁶⁾	1983	T	14	137	126	11		
		M	14	76	70	6		
		F	0	61	56	5		
THAILAND ⁽⁷⁾	1983	T	1,497	6,154	6,093	61	—	17,589

Source: (1) Directorate General of CDC, MOH
(2) Statistics of Communicable Disease, Japan 1983
(3) Statistics of Food Poisoning, Japan 1983
(4) Health Division, Ministry of Health, Malaysia

(5) Philippine Health Statistics, Ministry of Health, MLA, 1979
(6) Ministry of Environment
(7) Weekly Epidemiological Surveillance Record, Thailand

Amoebiasis	Bacillary Dysentery	Food Poisoning (Bacterial)	Tuber- culosis of All Forms	Leprosy	Diphtheria	Chickenpox	Infectious Hepatitis	Rabies	Malaria	Influenza (Grippe)
		859	28,562	126,979				62	133,607* 831,824**	
79 54 25	1,579 919 660	31,125 17,201 13,924	63,789	40	20 11 9				54	26,143
	1,182 706 267 209	1,582 946 120 516	9,361 5,220 2,463 1,678	251 189 33 29	24 8 14 2	3,200 1,741 758 701	3,346 2,480 604 262	— — — —	19,019 7,181 11,035 803	
		503 266 237	108,813 56,125 52,688	690 412 278	1,044 590 454	1,028 783 245	8,850 5,148 3,702	260 161 99	31,779 17,163 14,616	189,126 93,422 95,704
		1,260	2,065 1,408 657	69 52 17	4 2 2	1,395 891 504	626 495 131	} a)	219 187 32	
3,259	14,330	34,988	17,783	583	1,038	5,335	11,340		105,413	59,551

Note: a) Viral Hepatitis
* Based on Laboratory Examination
** Based on Health Centre, Hospital and Clinic Activities

5-2. Number of Cases of Venereal Diseases

	Year	Sex	Syphilis & Sequelae: Incidence	Congen- ital Syphilis	Early Syphilis, Sympto- matic	Early Syphilis, Latent	Cardio- vascular Syphilis	Syphilis of Central Nervous System	Late Syphilis, Latent	Other Forms Late Syphilis, with Symptom	Other Syphilis & Not Specified	Gono- coccal Intec- tion	Other Venereal Disease
INDONESIA ⁽¹⁾	1981	T	703									3,204	
JAPAN ⁽²⁾	1983	T	1,687	117	447	122			529	191	281	12,291	77
		M	1,015	48	330	80			310	102	145	10,559	74
		F	672	69	117	42			219	89	136	1,732	3
MALAYSIA ⁽³⁾	1983	T	556									4,762	
Peninsular Malaysia	1983	T	401									1,065	
Sabah	1983	T	6									1,125	
Sarawak	1983	T	149									2,572	
PHILIPPINES ⁽⁴⁾	1979	T	94									9,288	
		M	42									645	
		F	52									8,643	
SINGAPORE ⁽⁵⁾	1983	T	—	14	239	222	12	20	531	—	—	3,618	2,589
		M	—	5	146	113	10	15	313	—	—	1,430	2,461
		F	—	9	93	109	2	5	218	—	—	2,188	128
THAILAND ⁽⁶⁾	1983	T			37	1,948						20,457	10,899

Source: (1) Directorate General of CDC, MOH
(2) Statistics of Communicable Disease, Japan, 1981
(3) Communicable Disease Control Health Management and
Information Unit, Health Division, Ministry of Health

(4) Philippine Health Statistics, Ministry of Health, MLA, 1979
(5) Ministry of Health
(6) Weekly Epidemiological Surveillance Record, Thailand

6-1. Seasonal Distribution of Cholera (Cases)

	Year	Sex	Total	Months or Four-Week Periods												
				Jan. I	Feb. II	Mar. III	Apr. IV	May V	Jun. VI	VII	Jul. VIII	Aug. IX	Sept. X	Oct. XI	Nov. XII	Dec. XIII
INDONESIA⁽¹⁾	1983	T	13,024	1,204	1,280	1,422	1,148	1,365	1,556	1,531	1,342	728	727	529	192	
JAPAN⁽²⁾	1983	T	35	1	—	4	—	4	2		1	8	3	2	—	10
		M	26	—	—	3	—	4	2	.	1	4	2	2	—	8
		F	9	1	—	1	—	—	—	.	—	4	1	—	—	2
MALAYSIA⁽³⁾	1983	T	2,195	63	46	582	595	356	150	.	254	109	16	16	8	—
Peninsular Malaysia	1983	T	699	12	7	20	164	151	85	.	209	41	8	2	—	—
Sabah	1983	T	1,474	46	38	559	426	205	65	.	43	68	8	14	2	—
Sarawak	1983	T	22	5	—	3	5	—	—	.	2	—	—	—	6	—
PHILIPPINES⁽⁴⁾	1979	T	1,268	113	142	86	83	83	95	.	134	152	150	118	64	48
SINGAPORE⁽⁵⁾	1983	T	14	—	—	—	2	3	6	.	—	3	—	—	—	—
THAILAND⁽⁶⁾	1983	T	1,497	60	151	321	276	256	84	.	106	109	73	34	22	5

Source: (1) Directorate General of CDC, Ministry of Health
(2) Statistics of Communicable Disease, Japan, 1983
(3) Communicable Disease Control Health Management and Information Unit, Health Division, Ministry of Health

(4) Philippine Health Statistics, Ministry of Health, MLA, 1979
(5) Ministry of Environment
(6) Weekly Epidemiological Surveillance Record, Thailand

6-2. Seasonal Distribution of Typhoid Fever (Cases)

	Year	Sex	Total	Months or Four-Week Periods												
				Jan. I	Feb. II	Mar. III	Apr. IV	May V	Jun. VI	VII	Jul. VIII	Aug. IX	Sept. X	Oct. XI	Nov. XII	Dec. XIII
INDONESIA	1979	T	22,953	1,695	1,773	1,871	1,655	2,068	1,872	. .	2,115	1,997	2,077	2,278	1,923	1,551
JAPAN ⁽¹⁾	1983	T	288	29	35	40	43	21	21		15	21	21	18	13	11
		M	170	20	24	16	25	14	13	. .	8	13	8	12	11	6
		F	118	9	11	24	18	7	8		7	8	13	6	2	5
MALAYSIA ⁽²⁾	1983	T	1,953	116	127	157	213	160	159	. .	141	243	226	181	142	88
Peninsular Malaysia	1983	T	1,535	86	97	143	177	139	126	. .	107	218	175	132	88	47
Sabah	1983	T	81	1	3	2	3	1	10	. .	4	1	7	12	10	27
Sarawak	1983	T	337	29	27	12	33	20	23	. .	30	24	44	37	44	14
PHILIPPINES ^(3) a)	1979	T	3,525	267	166	205	246	200	203	. .	323	257	284	584	504	286
SINGAPORE ⁽⁴⁾	1983	T	126	13	11	7	10	7	9	. .	9	8	11	13	11	17
THAILAND ⁽⁵⁾	1983	T	6,093	322	305	377	385	440	589	. .	740	754	723	639	537	282

Source: World Health Statistics Annual, 1980-1981, WHO

(1) Statistics of Communicable Disease, Japan, 1983

(2) Communicable Disease Control, Health Management and Information Unit, Health Division, Ministry of Health

(3) Philippine Health Statistics, Ministry of Health, MLA, 1979

(4) Ministry of Environment

(5) Weekly Epidemiological Surveillance Record, Thailand
Number of Cases by Typhoid Fever, Paratyphoid Fever
and other Salmonella Infection

Note:

6-3. Seasonal Distribution of Paratyphoid Fever (Cases)

	Year	Sex	Total	Months or Four-Week Periods												
				Jan. I	Feb. II	Mar. III	Apr. IV	May V	Jun. VI	VII	Jul. VIII	Aug. IX	Sept. X	Oct. XI	Nov. XII	Dec. XIII
INDONESIA																
JAPAN ⁽¹⁾	1983	T	167	4	7	14	6	14	12		17	55	21	10	4	3
		M	97	4	3	10	1	9	9	.	9	31	10	6	3	2
		F	70	—	4	4	5	5	3		8	24	11	4	1	1
MALAYSIA ^{a)}																
Peninsular Malaysia																
Sabah																
Sarawak																
PHILIPPINES ^{a)}																
SINGAPORE ⁽²⁾	1983	T	11	1	1	0	1	1	1	.	2	2	1	0	1	0
THAILAND ⁽³⁾	1983	T	61	2	1	3	4	2	5	.	17	8	6	4	5	4

Source: (1) Statistics of Communicable Disease, Japan, 1983

(2) Ministry of Environment

(3) Weekly Epidemiological Surveillance Record, Thailand

Note: a) Data on Paratyphoid Fever is Included in Typhoid Fever

6-4. Seasonal Distribution of Bacillary Dysentery (Cases)

	Year	Sex	Total	Months or Four-Week Periods												
				Jan. I	Feb. II	Mar. III	Apr. IV	May V	Jun. VI	VII	Jul. VIII	Aug. IX	Sept. X	Oct. XI	Nov. XII	Dec. XIII
INDONESIA																
JAPAN ⁽¹⁾	1983	T	1,579	130	48	163	112	273	176		56	109	75	62	234	141
		M	919	85	28	101	59	142	111	.	33	60	46	42	125	87
		F	660	45	20	62	53	131	65		23	49	29	20	109	54
MALAYSIA ⁽²⁾	1983	T	1,182	71	74	99	97	102	123	.	83	131	105	117	107	73
Peninsular Malaysia	1983	T	706	43	54	62	74	77	87	.	47	69	48	46	52	47
Sabah	1983	T	267	19	9	20	12	9	17	.	24	30	32	49	33	13
Sarawak	1983	T	209	9	11	17	11	16	19	.	12	32	25	22	22	13
PHILIPPINES ^(3) a)	1979	T	28,268	2,936	1,915	2,315	2,871	2,706	2,612		3,105	2,218	2,089	2,121	1,744	1,636
SINGAPORE																
THAILAND ⁽⁴⁾	1983	T	14,330	814	819	1,273	1,334	1,988	2,793	.	1,599	1,022	685	690	681	632

Source: (1) Statistics of Communicable Disease, Japan, 1983

(2) Communicable Disease Control
Health Management and Information Unit
Health Division, Ministry of Health

(3) Philippine Health Statistics, Ministry of Health, MLA, 1979

(4) Weekly Epidemiological Surveillance Report, Thailand

Note: a) Number of Cases by Bacillary Dysentery and Amoebiasis

6-5. Seasonal Distribution of Food Poisoning (Cases)

	Year	Sex	Total	Months or Four-Week Periods												
				Jan. I	Feb. II	Mar. III	Apr. IV	May V	Jun. VI	VII	Jul. VIII	Aug. IX	Sept. X	Oct. XI	Nov. XII	Dec. XIII
INDONESIA	1983	T	859	64	—	—	60	111	—	93	278	53	—	240	20	
JAPAN ⁽¹⁾	1983	T	37,023	3,182	458	971	2,681	3,279	3,674	. .	3,748	3,932	10,553	2,751	843	951
MALAYSIA ⁽²⁾	1983	T	1,582	160	168	117	212	439	43	. .	38	99	154	58	62	22
Peninsular Malaysia	1983	T	946	158	167	93	190	59	31	. .	30	80	44	49	29	16
Sabah	1983	T	120	1	—	2	8	15	11	. .	8	12	9	9	32	13
Sarawak	1983	T	516	1	1	22	14	365	1	. .	—	7	101	—	1	3
PHILIPPINES ⁽³⁾	1979	T	503	31	29	31	163	31	44	. .	25	54	25	43	20	7
SINGAPORE ⁽⁴⁾	1983	T	1,260*	76	40	34	188	153	122	. . .	156	223	9	56	16	187
THAILAND ⁽⁵⁾	1983	T	34,988	2,253	2,473	3,279	4,066	3,987	3,974	. .	3,389	2,925	2,405	2,237	1,963	2,037

Source: Ministry of Health

(1) Statistics of Food Poisoning, Japan 1981

(2) Communicable Disease Control
Health Management and Information Unit
Health Division, Ministry of Health

(3) Philippine Health Statistics, Ministry of Health, MLA, 1979

(4) Ministry of Environment

(5) Weekly of Epidemiological Surveillance Record, Thailand

Note:

* Excluding 30 Sporadic Cases

7-1. Notifiable Infectious Diseases

ICD Number		Indonesia 1983	Japan 1983	Malaysia 1983 ⁽¹⁾	Philippines 1983	Singapore 1983	Thailand 1983
001	Cholera	v	v	v	v	v	v
002	Typhoid and Paratyphoid Fevers	v	v	v	v	v	v
003	Other Salmonella Infections		v	v a)	v		
004	Shigellosis		v		v		v
008	Intestinal Infections due to Other Organisms		v	v a)			
010~018	Tuberculosis		v	v	v	v	v
020	Plague	v	v	v		v	v
022	Anthrax		v				v
030	Leprosy		v	v	v	v	v
032	Diphtheria	v	v	v	v	v	v
033	Whooping Cough		v	v	v		v
034	Streptococcal Sore Throat and Scarlet Fever		v				
036	Meningococcal Infection	v	v				v
037	Tetanus	v	v	v	v		v
045	Acute Poliomyelitis	v	v	v	v	v	v
052	Chickenpox				v	v	v
055	Measles		v	v	v	v	v
060	Yellow Fever	v	v	v		v	v
061	Dengue	v f)		v	v	v	v
062	Mosquito-borne Viral Encephalitis		v	v		v	v
070	Viral Hepatitis			v	v	v	v
071	Rabies	v	v	v	v		v
072	Mumps						v
076	Trachoma		v				
081	Other Typhus		v	v b)			(Serub Typhus) v
084	Malaria		v	v	v	v	v
087	Relapsing Fever	v	v	v			

Source (1) Communicable Disease Control Information System Manual, Planning and Development Division Ministry of Health

ICD Number		Indonesia 1983	Japan 1983	Malaysia 1983 ⁽¹⁾	Philippines 1983	Singapore 1983	Thailand 1983
090	Congenital Syphilis		v	v c)	v	v	v
098	Gonococcal Infections		v	v	v	v	v
099	Other Venereal Diseases		v	v d)		v	v
100	Leptospirosis		v				v
102	Yaws			v			v
120	Schistosomiasis [Bilharziasis]		v		v		
125	Filarial Infection and Dracontiasis		v	v e)	v		
487	Influenza		v		v		v

- Note:**
- a) Only Food Poisoning
 - b) Epidemic and Fleaborne Typhas
 - c) Syphilis All Forms
 - d) Chancroid
 - e) Filiarisis
 - f) Only Hemolytic Fever

8-1. Infectious Diseases Specified by Immunization Program

	Indonesia 1983	Japan 1983	Malaysia 1983	Philippines 1983	Singapore 1983	Thailand 1983
Cholera				v		v
Diphtheria	v	v	v	v	v	v
Epidemic Typhus	a)					
Measles	b)	v	v	v	v	v
Mosquito-borne Viral Encephalitis						
Plague						
Poliomyelitis	v	v	v	v	v	v
Rubella		v			v	
Tetanus	v	v	v	v	v	v
Tuberculosis (BCG)	v	v	v	v	v	v
Typhoid and Paratyphoid Fever				v		v
Whooping Cough	v	v	v	v	v	v
Yellow Fever	a)		c)			

Note:

- a) Only on the occasion of outbreaks
- b) Started from 1982 in the restricted area
- c) Immunization Required under I.M.R.

9-1. Crude Live-birth Rates

(per 1,000 Population)

Year	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA	43.8	40.2 ^{a)}					36.2		33.7	
JAPAN ⁽¹⁾	18.8	17.1	16.3	15.5	15.0	14.3	13.7	13.1	12.8	12.7 ⁽¹⁾
MALAYSIA										
Peninsular Malaysia ⁽²⁾	33.9	31.3	31.7	30.7	30.1	30.5	30.3	30.8	30.6	
Sabah	37.9	35.4	36.6	37.2	36.7 ⁽⁴⁾	35.4 ⁽⁴⁾	38.7 ⁽³⁾	42.4 ⁽⁵⁾	42.5 ^{b)}	
Sarawak	30.4	29.7	29.1	29.1	28.2 ⁽⁴⁾	29.2 ⁽⁴⁾	29.4	28.6 ⁽⁶⁾	28.0 ^{b)}	
PHILIPPINES	27.4 ⁽⁷⁾	28.3 ⁽⁷⁾	30.1 ⁽⁷⁾	29.9 ⁽⁷⁾	30.5 ⁽⁷⁾	30.7 ⁽⁷⁾	32.3 ⁽⁸⁾	32.1 ⁽⁸⁾	31.9 ⁽⁸⁾	31.7 ⁽⁸⁾
SINGAPORE	22.1	17.8	18.8	16.6	16.9	17.3	17.3	17.0	17.3	16.2 ⁽⁹⁾
THAILAND ⁽¹⁰⁾	31.5	27.4	27.5	24.8	23.4	23.7	22.8	22.4	22.2	21.3

Source: Demographic Yearbook 1982, UN
Population and Vital Statistics Report, Series A, 1980, 1981, 1982, 1983, UN

(1) Vital Statistics, Japan, 1983, Ministry of Health & Welfare

(2) Vital Statistics 1970-82, Pen. M'SIA Dept. of Statistics, Malaysia

(3) Dept. of Statistics, Sabah

(4) Social Statistics Bulletin, Sabah 1980, Dept. of Statistics

Note:

(5) Annual Bulletin of Statistics, Sabah 1982, Dept. of Statistics

(6) Annual Statistics Bulletin, Sarawak 1982, Dept. of Statistics

(7) Philippine Health Statistics 1979, Ministry of Health

(8) Ministry of Health Primer, MIA, 1984

(9) Yearbook of Statistics, Singapore, 1983/84, Dept. of Statistics

(10) Health Statistics Division, Ministry of Public Health

a) Estimates for 1970-75 Prepared by the Population Division, UN
b) Rate provided by Dept. of Statistics Malaysia

9-2. Crude Death Rates

(Per 1,000 Population)

Year	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA ⁽¹⁾	18.7	16.7	14.3	13.9	13.5	13.1	12.5	12.3	12.3	11.7
JAPAN	6.9	6.3	6.3	6.1	6.1	6.0	6.2	6.2	6.0	6.2 ⁽²⁾
MALAYSIA										
Peninsular Malaysia ⁽³⁾	7.3	6.4	6.1	6.3	5.9	5.8	5.5	5.2	5.2	
Sabah	5.9	4.3	4.7	4.3	4.2 ⁽⁷⁾	3.9 ⁽⁷⁾	4.2 ^{b)}	4.6 ^{b)}	4.7 ^{c)}	
Sarawak	5.2	5.0	4.4	4.7	4.2 ⁽⁴⁾	4.0 ⁽⁴⁾	4.2 ^{a)}	3.6 ^{a)}	3.6 ^{c)}	
PHILIPPINES ⁽⁶⁾	6.7	6.4	6.9	6.9	6.5	6.6	8.3 ⁽⁷⁾	8.1 ⁽⁷⁾	7.9 ⁽⁷⁾	7.7 ⁽⁷⁾
SINGAPORE	5.2	5.1	5.1	5.2	5.2	5.3	5.2	5.3	5.2 ⁽⁸⁾	5.3 ⁽⁸⁾
THAILAND ⁽⁹⁾	6.2	5.7	5.6	5.5	5.4	5.3	5.3	5.0	5.1	5.1

Source: Demographic Yearbook 1975, 1979, 1981, 1982, UN Population and Vital Statistics Report, 1980, 1981, 1982, 1983, UN

- (1) Calculated by Health Planning Bureau, MOH
- (2) Vital Statistics Japan, 1983, Ministry of Health & Welfare
- (3) Vital Statistics, Pen. M'SIA (by respective year) Dept. of Statistics, Malaysia
- (4) Annual Statistics Bulletin M'SIA 1981, Dept. of Statistics
- (5) Social Statistical Bulletin, Malaysia 1980, Dept. of Statistics
- (6) Philippine Health Statistics, Manila, 1979
- (7) Ministry of Health Primer, Manila, 1984
- (8) Yearbook of Statistics, Singapore, 1983/84, Dept. of Statistics
- (9) Health Statistics Division, Ministry of Public Health

- Note:
- a) Rate Computed based on the absolute No. 08 deaths obtained from the Annual Statistical Bulletin, Sarawak 1982
 - b) Rate Computed based on the absolute No. 08 deaths obtained from the Annual Bulletin of Statistics, Sabah 1982
 - c) Rate Provided by Dept. of Statistics, Malaysia (unpublished)

9-3. Vital Statistics Rates

(Per 1,000 Population)

	Year	Crude Marriage Rates	Crude Divorce Rates	Birth		Death	
				Crude	General Fertility Rates	Crude	Infant
INDONESIA ⁽¹⁾	1975-80	10.6		33.6	139	16.2	125
JAPAN ⁽²⁾	1983	6.4	1.51	12.7	49.5	6.2	6.2
MALAYSIA							
Peninsular Malaysia	1982		2.1 ^{f)}	30.6 ⁽³⁾	120 ^{c)}	5.2 ⁽³⁾	19.26 ⁽³⁾
Sabah	1982		2.2 ^{f)}	42.5 ^{b)}	822 ^{d)}	4.7 ^{b)}	24.8 ^{b)}
Sarawak	1982		2.3 ^{f)}	28.0 ^{b)}	1603 ^{e)}	3.6 ^{b)}	16.7 ^{b)}
PHILIPPINES ⁽⁴⁾	1979	7.0 ^{a)}		30.7	143.3	6.6	50.2
SINGAPORE ⁽⁵⁾	1983	8.8	0.9	16.2	59.8	5.3	9.4
THAILAND ⁽⁶⁾	1983	6.6 ⁽⁷⁾	0.5 ⁽⁷⁾	21.3	90.8	5.1	12.4

Source: (1) Demographic Yearbook 1982, UN
 (2) Vital Statistics, Japan, 1983, Ministry of Health & Welfare
 (3) Vital Statistics, Pen. M'SIA 1982 Dept. of Statistics
 (4) Philippine Health Statistics, 1979, D.I.C. Ministry of Health
 (5) Yearbook of Statistics, Singapore 1983/84 and Singapore Annual Key Indicators, Dept. of Statistics
 (6) Health Statistics Division, Ministry of Public Health
 (7) Ministry of Interior, 1982

Note: a) For 1980
 b) Rates provided by Dept. of Statistics, M'SIA (unpublished)
 c) Rates computed based on No. 08 Live birth and No. 08 women age from the Vital Statistics, Malaysia 1982
 d) For 1982 : Rate calculated based on the State Pop. Report 1980, Sabah
 e) For 1980 : Rate calculated based on the State Pop. Report 1980, Sarawak
 f) For year 1980: Social Statistical Bulletin, M'SIA 1981

9-4. Natality, General Mortality and Natural Increase

	Year	Natality (live-born)				General Mortality				Natural Increase (0/00)
		(Number)			(0/00) Total	(Number)			(0/00) Total	
		Total	Male	Female		Total	Male	Female		
INDONESIA	1975—80				33.6				16.2	17.4
JAPAN ⁽¹⁾	1983	1,508,687	775,206	733,481	12.7	740,038	401,232	338,806	6.2	6.5
MALAYSIA ⁽²⁾	1982	451,035	190,221	178,235	31.2	74,141	36,739	27,468	5.1	26.1
Peninsular Malaysia	1982	368,456			30.6	64,207			5.2	25.4
Sabah	1982	44,059			42.5	4,916			4.7	37.8
Sarawak	1982	38,520			28.0	5,018			3.6	24.4
PHILIPPINES ⁽³⁾	1979	1,429,814	737,582	692,232	30.7	306,427	175,563	130,864	6.6	24.1
SINGAPORE ⁽⁴⁾	1983	40,585	21,049	19,533	16.2	13,321	7,648	5,672	5.3	10.9
THAILAND ⁽⁵⁾	1983	1,055,799	535,074	520,725	21.3	252,592	144,816	107,776	5.1	16.2

Source: World Health Statistics, 1982, WHO

- (1) Vital Statistics Japan 1983, Ministry of Health & Welfare
- (2) Vital Statistics 1982, Dept. of Statistics, Malaysia
Figures for Sabah and Sarawak, provided by Dept. of Statistics, M'SIA (Special Request)
- (3) 1979 Philippine Health Statistics, Ministry of Health, MLA
- (4) Monthly Digest of Statistics, April 1984, Department of Statistics, Singapore
- (5) Health Statistics Division, Ministry of Public Health, Thailand

Note: Figures for males and females may not add up to the total on account of unknown sex

10-1. Late Fetal, Infant, Neonatal, Post-neonatal and Perinatal Mortality

	Year	Late Fetal Mortality		Infant Mortality		Neonatal Mortality		Post-neonatal Mortality		Perinatal Mortality	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
INDONESIA ⁽¹⁾	1975-80				125						
JAPAN ⁽²⁾	1983	9,464	6.3	9,406	6.2	5,894	3.9	3,512	2.3	14,035	9.3
MALAYSIA ⁽³⁾											
Peninsular Malaysia	1982			7,085	19.26	4,462	12.13	2,683	7.28	8,678	23.28
Sabah	1982			1,091	24.8	634	14.4	457	10.4		
Sarawak	1982			643	16.47	367	9.5				
PHILIPPINES ⁽⁴⁾	1979	3,895	2.8	71,772	50.2	30,984	22.3	42,656	30.7	5,523	4.0
SINGAPORE ⁽⁵⁾	1982	274	6.4	456	10.7	348	8.2	108	2.5	559	13.0
THAILAND ⁽⁶⁾	1983	861	0.8	13,096	12.4	5,299	5.0	7,797	7.4	4,260	4.0

Source: World Health Statistics, 1982, WHO

(1) Survey in Berung, West Java, 1980

(2) Vital Statistics, Japan, 1983, Ministry of Health & Welfare

(3) Vital Statistics, Pen. M'SIA 1982

Dept. of Statistics, Malaysia
Data on Sabah and Sarawak provided by Dept. of
Statistics, Malaysia (Special Request)

(4) 1979 Philippine Health Statistics, Ministry of Health, MLA

(5) Report on Registration of Births & Deaths, 1982

(6) Health Statistics Division, Ministry of Public Health,
Thailand

Absolute numbers and crude rates per 1,000 live births.

Late fetal deaths: Fetal deaths after at least 28 weeks' gestation.
Fetal deaths of unknown gestational age are included.

Infant deaths: Deaths under one year.

Neonatal deaths: Deaths under four weeks.

Post-neonatal deaths: Deaths from four weeks to under one year.

Perinatal deaths: Late fetal deaths and deaths under one week.

10-2. Infant Deaths and Infant Mortality Rates by Age and Sex

	Year	Sex	Number						Rate (per 1,000 live births)					
			Total	1 day	2-6	7-27	28-365	Unknown	Total	1 day	2-6	7-27	28-365	Unknown
INDONESIA		T M F												
JAPAN ⁽¹⁾	1983	T M F	9,406 5,267 4,139	4,571		1,323	3,512		6.2	3.0		0.9	2.3	
MALAYSIA														
Peninsular Malaysia ⁽²⁾	1982	T M F	7,530 4,383 3,147	4,006 2,384 1,622		841 515 326	2,683 1,484 1,199	— — —	20.4 11.9 8.5	10.9 6.5 4.4		2.3 1.4 0.9	7.3 4.0 3.3	— — —
Sabah ⁽³⁾	1980	T M F	928 527 401		928 527 401			— — —	23.7 13.5 10.3	23.7 13.5 10.3				
Sarawak ⁽⁴⁾	1980	T M F	617 376 241		617 376 241			— — —	16.7 10.2 6.5	16.7 10.2 6.5				
PHILIPPINES ⁽⁵⁾	1979	T M F	71,772 40,907 30,865	12,573	8,473	9,463	41,264		50.2 28.6 21.6	8.8	5.9	6.6	28.9	
SINGAPORE ⁽⁶⁾	1982	T M F	456 279 176	201 124 76	84 57 27	63 36 27	108 62 46	— — —						
THAILAND ⁽⁷⁾	1983	T M F	13,096 7,486 5,610	1,813 1,035 778	1,586 893 693	1,900 1,077 823	7,264 4,151 3,113	533 330 203	12.4 14.0 10.8	1.7 1.9 1.5	1.5 1.7 1.3	1.8 2.0 1.6	6.9 7.8 6.0	0.5 0.6 0.4

Source: (1) Vital Statistics Japan 1983, Ministry of Health and Welfare
(2) Vital Statistics, Pen. M'SIA 1982, Dept. of Statistics, Malaysia
(3) Vital Statistics, Sabah 1980
Dept. of Statistics, Sabah

(4) Vital Statistics, Sarawak 1980
Dept. of Statistics, Sarawak
(5) 1979 Philippine Health Statistics, Ministry of Health, MLA
(6) Report on Registration of Births and Deaths, Singapore, 1982
(7) Health Statistics Division, Ministry of Public Health, Thailand

10-3. Maternal Deaths

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA										
JAPAN ^(1)a)b)	967	546	474	406	378	376	323	294	279	234
MALAYSIA ^{c)}										
Peninsular Malaysia ⁽²⁾	441	261	252	254	272	231	217 ⁽³⁾	273 ⁽³⁾	186 ⁽³⁾	
Sabah	22			5						
Sarawak ^(4)a)	28	7	9	16	13	7 ⁽⁵⁾	11 ⁽⁵⁾	11 ⁽⁵⁾	7 ⁽⁶⁾	
PHILIPPINES ⁽⁷⁾	1,950	1,753	1,862	1,909	1,734	1,635	1,560 ⁽⁸⁾	1,431 ⁽⁸⁾	1,457 ⁽⁸⁾	1,318 ⁽⁸⁾
SINGAPORE ^(9)d)	15	12	6	6	8	3	2	2	5	6
THAILAND ⁽¹⁰⁾	2,589	1,944	1,738	1,394	1,355	1,105	1,061	863	749	670

Source: Demographic Yearbook 1982, UN

- (1) Vital Statistics Japan 1970-83, Ministry of Health and Welfare
- (2) Monthly Statistical Bulletin Peninsular Malaysia, Feb. 1982, Dept. of Statistics
- (3) Vital Statistics, Pen. M'SIA 1982
- (4) Annual report 1980, Medical and Health Department, Sarawak
- (5) Annual report 1981, Medical and Health Department, Sarawak
- (6) Annual report 1982, Medical and Health Department, Sarawak
- (7) Philippine Health Statistics, MLA, 1979
- (8) Ministry of Health Primer, MLA, 1984
- (9) Report on the Registration of Births and Deaths, Singapore
- (10) Health Statistics Division, Ministry of Public Health, Thailand

Note:

- a) All data classified by 1965 Revision
- b) Prior to 1973, excluding Okinawa
- c) For Japanese nationals in Japan only
- d) Medically certified or inspected deaths only
- e) Data based on IC09, 1975 Revision

10-4. Maternal Mortality Rates

(per 100,000 live births)

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA ⁽¹¹⁾		1,540	1,390	1,220	920	1,480				
JAPAN ^{a)b)}	50.0	28.7	25.9	23.1	22.1	22.9	20.5	19.2	18.4	15.4
MALAYSIA										
Peninsular Malaysia	148	83	78	79	84	69	63 ⁽¹²⁾	59 ⁽¹²⁾	50 ⁽¹³⁾	
Sabah	11	72			79 ⁽¹⁶⁾	79 ⁽¹⁶⁾	107 ⁽¹⁶⁾	112 ⁽¹⁶⁾	90 ⁽¹⁶⁾	
Sarawak ⁽¹⁴⁾	90	20	30	50	40	10	50 ⁽¹⁵⁾	28 ⁽¹⁵⁾	18 ⁽¹⁵⁾	
PHILIPPINES	190	140	140	140	120	110	100 ⁽¹⁷⁾	90 ⁽¹⁷⁾	90 ⁽¹⁷⁾	80 ⁽¹⁷⁾
SINGAPORE ^(9)d)	32.7	30.0	14.0	15.6	20.3	7.4	4.9	4.7	11.7	14.8
THAILAND ⁽¹⁰⁾	226.1	171.7	149.0	129.2	130.3	102.8	98.5	81.2	69.6	63.5

Source: Same as previous page

(11) Survey in Hasan Srdilin Hospital, West Java, 1975–1979

(12) Social Statistical Bulletin, Malaysia 1981

Dept. of Statistics, Malaysia

(13) Vital Statistics, Pen. M'SIA 1982

Dept. of Statistics, Malaysia

(14) Medical and Health Dept. Sarawak Annual report 1980

(15) Rate computed for the absolute Maternal Deaths,

(Medical and Health Dept. Sarawak Annual report 1982)

and the absolute Livebirths (Annual Statistical Bulletin

Sarawak, 1982)

(16) Medical Dept. Sabah Annual report 1982

(17) Ministry of Health Primer, MLA, 1984

Note:

e) Rates are multiplied by 100, because original data are shown in the rate per 1,000 live births

f) Rates based on 30 or fewer maternal deaths

Fig. 4 Number of Surviving out of 100,000 Born Alive at Selected Ages by Sex (1),
Japan, 1983

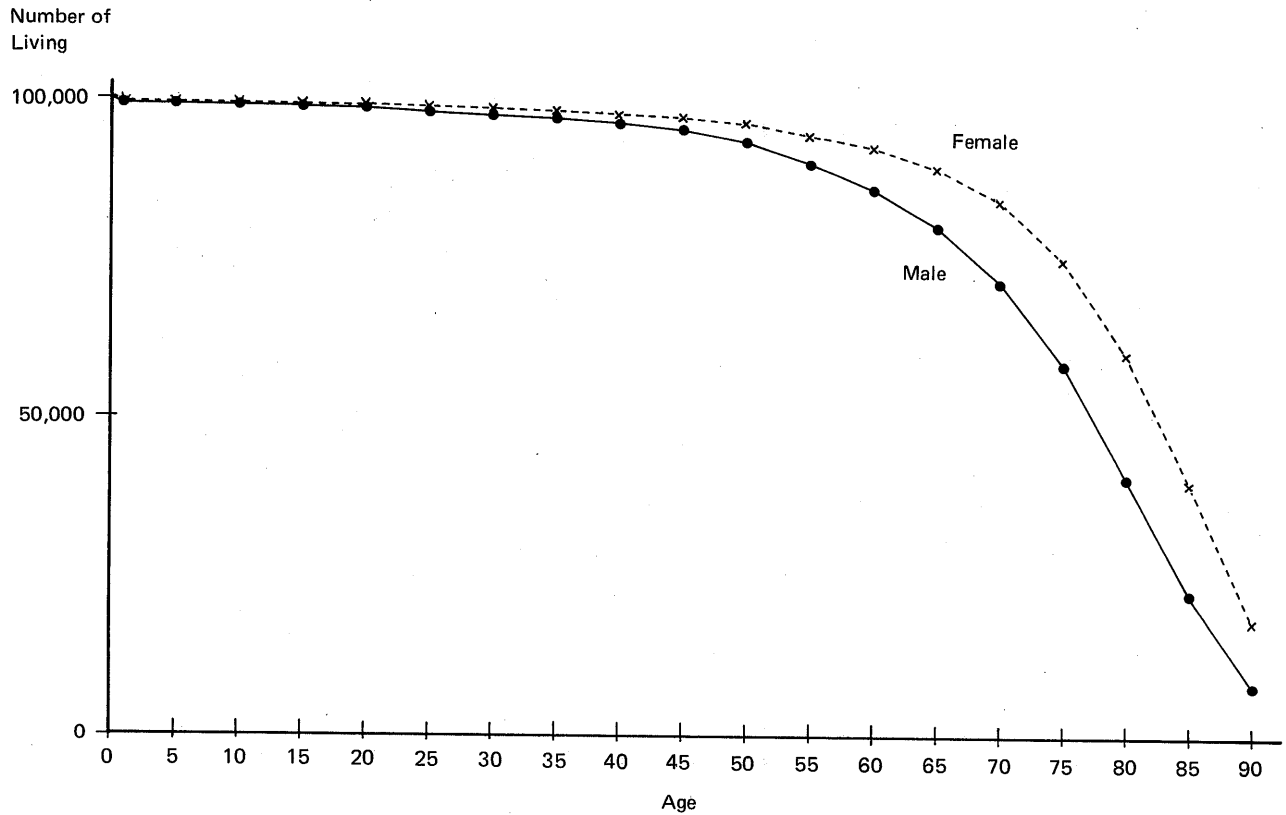


Fig. 4 Number of Surviving out of 100,000 Born Alive at Selected Ages by Sex (2),
Peninsular Malaysia, 1979

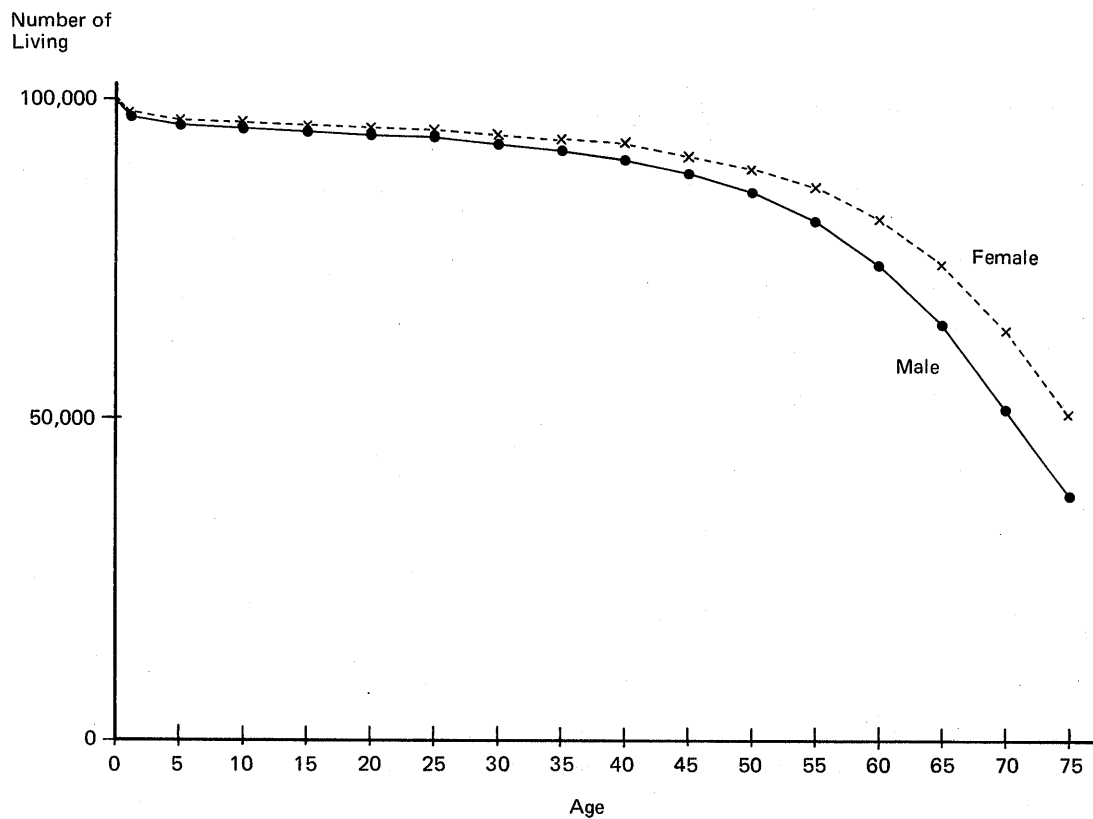
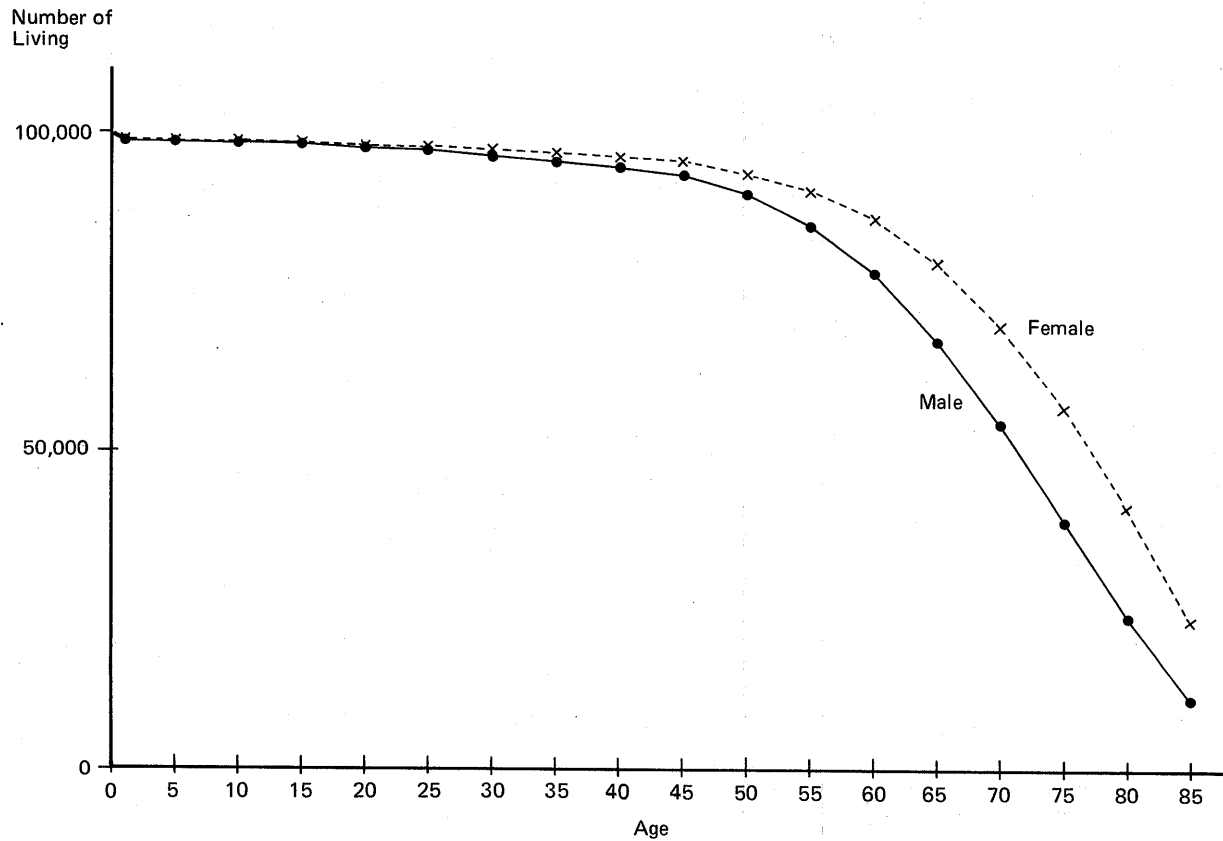


Fig. 4 Number of Surviving out of 100,000 Born Alive at Selected Ages by Sex (3),
Singapore, 1980



11-1. Expectation of Life at Specified Ages for Each Sex (1)

	Year	Sex	Age								
			0	1	2	3	4	5	10	15	20
INDONESIA	1975-80	M F	48.70 51.30								
JAPAN ⁽¹⁾	1983	M F	74.20 79.78	73.70 79.21	72.77 78.27	71.82 77.31	70.85 76.34	69.88 75.36	64.97 70.43	60.04 65.47	55.25 60.56
MALAYSIA											
Peninsular Malaysia	1982	M F	67.681 72.498	←—————68.20—————→				64.67 69.20	59.91 64.42	55.11 55.59	50.44 54.78
Sabah	1980	M F									
Sarawak	1980	M F									
PHILIPPINES	1983	M F	60.7 64.3								
SINGAPORE ⁽²⁾	1980	M F	68.7 74.0					64.8 70.1	59.9 65.2	55.0 60.3	50.2 55.4
THAILAND ⁽³⁾	1980-1985	M F	60.77 64.76								

Source: Demographic Yearbook 1982

(1) Abridged Life Table 1983, Min. of Health & Welfare, Japan

(2) Yearbook of Statistics, Singapore, 1982/83, Dept. of Statistics

(3) Report of Working Group on Population Projection,
National Statistical Office, July 1980

Age													
25	30	35	40	45	50	55	60	65	70	75	80	85	90+
50.48	45.69	40.91	36.20	31.61	27.20	23.02	19.00	15.19	11.72	8.74	6.36	4.55	3.21
55.66	50.78	45.92	41.10	36.34	31.67	27.11	22.66	18.40	14.37	10.75	7.69	5.28	3.49
45.87	41.26	36.63	32.08	27.63	23.46	19.59	16.06	13.05	10.49	8.50	7.40 ^{a)}		
50.02	45.28	40.56	36.00	31.33	26.89	22.74	18.89	15.53	12.75	10.46	8.84 ^{a)}		
45.5	40.7	36.0	31.3	26.8	22.6	18.7	15.2	12.2	9.7 ^{b)}				
50.6	45.7	40.9	36.2	31.5	27.0	22.8	18.8	15.1	11.8 ^{b)}				

Note: a) 80 & over
b) 70 & over

11-2. Number of Surviving out of 100,000 Born Alive by Age and Sex (1)

	Year	Sex	Age							
			0	1	5	10	15	20	25	30
INDONESIA		M F								
JAPAN ⁽¹⁾	1983	M F	100,000 100,000	99,321 99,467	99,085 99,276	98,941 99,186	98,836 99,118	98,476 98,986	98,047 98,803	97,616 98,586
MALAYSIA ⁽²⁾										
Peninsular Malaysia	1979	M F	100,000 100,000	97,062 97,716	96,116 96,812	95,621 96,430	95,272 96,152	94,736 95,796	94,620 95,325	93,234 94,813
Sabah		M F								
Sarawak		M F								
PHILIPPINES		M F								
SINGAPORE ⁽³⁾	1980	M F	100,000 100,000	98,746 98,897	98,481 98,612	98,353 98,469	98,176 98,307	97,755 98,091	97,180 97,816	96,560 97,489
THAILAND		M F								

Source: (1) Abridged Life Table 1983, Min. of Health & Welfare, Japan

(2) Vital Statistics 1979 Pen. M'SIA, Dept. of Statistics

(3) Population Projections for Singapore, 1980-2030, Singapore Family Planning & Population Board

Age											
35	40	45	50	55	60	65	70	75	80	85	90+
97,119 98,301	96,398 97,889	95,241 97,282	93,327 96,341	90,309 94,893	86,152 92,812	80,319 89,525	71,599 84,269	58,542 75,357	41,077 60,762	22,573 40,311	8,590 18,960
92,346 94,116	91,076 93,704	89,174 91,704	86,072 89,851	81,542 87,019	74,667 82,056	65,352 75,072	52,106 64,398	38,565 51,409	—	— —	
95,881 97,081	94,932 96,457	93,411 95,507	90,623 93,855	85,802 91,127	78,538 86,768	67,978 80,194	54,423 70,702	39,325 57,474	24,028 41,447	11,382 23,963	

12-1. Per Capita Food Supplies (1)

	Year	Energy (k cal/day)			Protein (g/day)			Fat (g/day)		
		Total	Vegetable Products	Animal Products	Total	Vegetable Products	Animal Products	Total	Vegetable Products	Animal Products
INDONESIA ⁽¹⁾	1980	2,570	2,379	191	48.2	42.9	5.5	51.9	33.4	18.5
JAPAN ⁽²⁾	1983	2,147			80.9	40.0	40.9	58.6	30.3	28.3
MALAYSIA	1977	2,613	2,319	294	57.6	35.7	21.9	45.5	29.2	16.3
PHILIPPINES ⁽³⁾	1979	2,342				52.6				
SINGAPORE	1977	3,074	2,446	629	84.2	45.1	39.1	76.8	32.8	43.9
THAILAND	1977	2,098	1,952	146	46.3	32.2	14.1	22.5	13.8	8.7

Source: Food Balance Sheets 1975–77 Average and Per Capita Food Supplies 1961–65 Average 1967 to 1977, FAO, Rome 1980

(1) Central Bureau of Statistics, Welfare Indicators, 1982

(2) Japan Statistical Yearbook, 1984

(3) 1982 Philippine Statistical Yearbook

12-1. Per Capita Food Supplies (2)

(mg/day)

	Year	Calcium	Iron	Vitamin A	Vitamin B ₁	Vitamin B ₂	Vitamin C
INDONESIA	1977	221	13.6	30	1.06	0.48	56
JAPAN ⁽²⁾	1983	580	10.9	2,190 ^{a)}	1.37	1.29	134
MALAYSIA	1977	330	13.5	135	0.87	0.79	44
PHILIPPINES	1977	269	12.9	80	0.94	0.72	72
SINGAPORE	1977	656	21.8	269	1.59	1.38	76
THAILAND	1977	245	13.9	73	0.87	0.64	60

Note: a) Unit = i.u.

13-1. Housing Conditions

	Year		Percentage of households in occupied dwelling units with piped water	Percentage of households in occupied dwelling units by type of toilet facilities				Lighting			
				Flush/Water	Pit or Moulded Bucket	Other	None	Electricity	Pressure/Gas Lamp	Oil Lamp	Other
INDONESIA ⁽¹⁾	1980	Total	7.3	11.0 ^{a)}	25.3 ^{a)}	53.1 ^{a)}		13.9	—	85.0	0.8
		Urban	24.4	43.0	17.9	25.4		46.7	—	52.6	0.4
		Rural	2.4	5.1	26.6	58.2		5.5	—	93.3	0.9
JAPAN ⁽²⁾	1978	Total	92.7	45.9	53.8						
		Urban	95.0	54.2	45.6						
		Rural	84.5	15.7	84.3						
MALAYSIA ⁽³⁾	1980	Total	65.0	56.4	22.7	4.4	16.5	64.4	8.4	26.5	0.7
		Peninsular Malaysia	68.0	60.7	21.7	3.6	14.7	68.4	7.3	23.6	0.7
		Sabah	50.3	32.1	32.9	8.1	26.9	45.0	15.7	28.7	0.6
		Sarawak	47.8	56.4	22.7	4.4	16.5	41.6	13.2	44.5	0.7
PHILIPPINES ⁽⁴⁾	1981	Total	14.0								
		Urban	28.5	81.6	5.2	12.1	1.0				
		Rural	5.1	51.5	11.3	35.2	2.0				
SINGAPORE ⁽⁵⁾	1983	Total	99.0	85.0	1.5			95.0			
THAILAND ⁽⁶⁾	1980	Total	18.9	4.2	50.3	44.1	1.3	43.0	0.7	54.8	0.2

- Source:** (1) Results of the Sub-Sample of the 1980 Population Census, Serie S No. 1, Biro Pusat Statistik, May 1982
(2) Housing of Japan, Summary of the Results of 1978, Housing Survey of Japan, Statistics Bureau, March 1981, Tokyo
(3) Census of Housing, Malaysia 1980 Summary Report, Dept. of Statistics Malaysia, July 1982
(4) Environmental Sanitation, Ministry of Health, MLA, 1981
(5) Public Utilities Board and Ministry of Environment
(6) 1980 Population & Housing Census, Whole Kingdom, National Statistical Office
- Note:** (a) For 1971

14-1. Mean Length from Birth to One Year

(cm)

Country	People or Place	Year	Sex	Age					
				Birth	4 wks	3 mos	6 mos	9 mos	12 mos
INDONESIA	Jakarta ^{a)}	1964	M		52	59	64	67	71
			F		52	57	63	67	70
JAPAN ⁽¹⁾	National	1980	M	49.7	56.0	62.7	68.1	72.0	75.5
			F	49.3	55.2	61.1	66.8	70.6	74.1
MALAYSIA			M						
			F						
PHILIPPINES ⁽²⁾	National	1982	T	51.2	54.9	60.3	66.0	67.8	70.5
SINGAPORE ⁽³⁾	Malays	1972	M			60.2	65.3		73.6
			F			59.5	64.0		71.5
	Chinese	1972	M			61.8	66.5	71.0	74.5
			F			60.0	65.0	69.5	73.0
THAILAND	Bangkok		M	50.5 ^{b)}	56.1	62.0	67.8	71.9	73.5
			F	49.9	55.0	60.3	65.9	69.6	72.2

Source: Worldwide variation in human growth, Cambridge University Press, 1976

(1) Ministry of Health & Welfare, Japan

(2) Ministry of Health

(3) Ministry of Health, Singapore

Note:

a) Low income group

b) Data from National Center for Health Statistics of the United States (1977)

14-2. Mean Weight from Birth to One Year

(kgw)

Country	People or Place	Year	Sex	Age					
				Birth	4 wks	3 mos	6 mos	9 mos	12 mos
INDONESIA	Jakarta ^{a)}	1964	M	3.09	4.16	5.89	7.26	7.74	8.16
			F	3.01	3.79	5.43	6.80	7.50	8.01
JAPAN ⁽¹⁾	National	1980	M	3.23	5.08	6.84	8.15	9.04	9.71
			F	3.16	4.76	6.24	7.71	8.47	9.09
MALAYSIA ⁽²⁾	Pen. Malaysia	1982	T	3.09					
PHILIPPINES ⁽³⁾	National	1982	T	3.4	4.3	5.8	6.8	7.4	7.7
SINGAPORE ⁽⁴⁾	Malays	1972	M			6.0	7.2	8.1	8.8
			F			5.5	6.3	7.4	8.0
	Chinese	1972	M			6.5	8.1	8.9	9.2
			F			6.5	8.0	8.8	8.9
THAILAND	Bangkok		M	3.12	4.65	6.34	7.74	8.62	9.10
			F	3.01	4.46	5.61	7.33	7.97	8.50

Source: Worldwide variation in human growth, Cambridge University Press, 1976

(1) Ministry of Health & Welfare, Japan

(2) Ministry of Health, Malaysia

(3) Ministry of Health, Philippines

(4) Ministry of Health, Singapore

Note: a) Low income group

14-3. Mean Chest Circumference from Birth to One Year

(cm)

Country	People or Place	Year	Sex	Age					
				Birth	4 wks	3 mos	6 mos	9 mos	12 mos
INDONESIA	Jakarta ^{a)}	1964	M	31.5	34.5	38	40.5	42	43.5
			F	32.5	34.5	37	40	41.5	43
JAPAN ⁽¹⁾	National	1980	M	32.5	39.1	42.4	44.6	46.1	47.0
			F	32.4	38.2	41.2	43.6	44.9	45.7
MALAYSIA			M						
			F						
PHILIPPINES ⁽²⁾	National	1982	M		36.4	41.5	44.2	45.8	47.3
			F		35.2	39.9	42.8	43.8	45.4
SINGAPORE			M						
			F						
THAILAND	Bangkok		M	32.0	37.9	41.0	43.4	44.7	45.8
			F	31.9	37.5	40.1	42.7	43.5	44.1

Source: Worldwide variation in human growth, Cambridge University Press, 1976

(1) Ministry of Health & Welfare, Japan

(2) Ministry of Health, Philippines

Note: a) Low income group

14-4 Mean Height by Age (1 – 18 years)

(cm)

Country	People or Place	Year	Sex	Age - Years						
				1	2	3	4	5	6	7
INDONESIA ⁽¹⁾	National	1977	M		82.2	88.5	97.2	102.4	107.1	112.1
			F		80.8	88.3	96.2	100.6	106.2	111.5
JAPAN ⁽²⁾	National	1982	M	80.6	89.4	96.2	103.6	109.2	115.5	121.1
			F	79.4	88.5	96.3	102.2	109.1	114.8	120.3
MALAYSIA ⁽³⁾	Rural	1960	M							109.7
			F						105.4	109.7
PHILIPPINES ⁽⁴⁾	National	1982	M	75.4	83.7	90.5	96.5	102.1	107.6	112.7
			F	74.8	82.8	89.4	96.6	102.2	107.2	112.4
SINGAPORE ⁽⁵⁾	Malays	1983	M						114.4	118.3
			F						112.9	118.1
	Chinese	1983	M						116.5	121.7
			F						115.7	120.9
THAILAND	Bangkok		M	73.5 ⁽³⁾	83.8 ⁽³⁾	93.5 ⁽³⁾	100.5 ⁽³⁾	105.0 ⁽³⁾	111.2 ^(6)a)	115.8 ^(6)a)
			F	72.2	84.0	93.0	99.0	103.5	110.5	115.3

- Source: (1) Dept. of Growth & Development, Univ. of Tsukuba, Japan
 (2) Ministry of Health & Welfare, Japan
 (3) Worldwide variation in human growth, Cambridge University Press, 1976
 (4) Ministry of Health, Philippines
 (5) Ministry of Health, Singapore
 (6) Burana Chavalittamrong and Ravadee Vathakanon, J. Med. Ass. Thailand, 1978

Note: a) 50 percentiles

Age - Years										
8	9	10	11	12	13	14	15	16	17	18
118.0 116.1	122.6 121.2	125.2 125.5	129.6 130.8	133.2 136.4	142.7 143.7	147.7 146.1	153.2 149.1	157.8 150.7	159.4 152.4	161.2 151.2
127.1 126.3	131.4 131.3	137.5 138.0	142.1 145.4	149.6 150.4	156.5 154.7	163.2 155.1	166.1 156.8	168.7 157.1	169.4 157.6	171.2 156.5
111.8 112.8	114.3 117.9	121.9 123.4	129.3 131.8	133.4 137.2	138.4	141.4				
117.2 118.0	122.7 122.5	126.4 127.5	130.4 132.6	135.5 140.1	142.3 144.8	147.3 148.4	154.5 150.2	160.0 150.2	160.9 151.2	162.0 151.0
123.5 123.4	128.3 128.5	132.1 134.6	136.2 140.7	144.1 146.9	152.0 151.6	159.0 153.5	162.8 153.3	165.1 153.3	167.0 154.8	168.5 165.5
126.7 126.0	131.6 131.6	136.1 137.1	141.3 144.3	148.9 148.9	156.9 152.5	162.9 154.8	166.1 156.1	167.0 156.1	167.9 155.8	165.6 156.4
(6) a) 120.5 120.5	(6) a) 125.3 125.7	(6) a) 130.0 131.0	(6) a) 134.7 136.7	(6) a) 139.8 143.1	(6) a) 145.8 148.7	(6) a) 153.2 151.9	(6) a) 158.8 153.3	(6) a) 162.9 153.8	(6) a) 164.5 154.0	(6) a) 165.1 154.1

14-5. Mean Weight by Age (1 – 18 years)

(kgw)

Country	People or Place	Year	Sex	Age - Years						
				1	2	3	4	5	6	7
INDONESIA ⁽¹⁾	National	1977	M		10.4	12.1	13.8	15.5	15.7	18.2
			F		10.1	11.6	13.2	14.5	15.7	17.0
JAPAN ⁽²⁾	National	1982	M	11.1	13.1	14.9	16.8	18.5	21.0	23.6
			F	10.4	12.6	14.7	16.5	18.4	20.5	22.9
MALAYSIA ⁽³⁾	Rural	1960	M							17.8
			F						16.4	18.6
PHILIPPINES ⁽⁴⁾	National	1982	M	9.1	11.1	12.9	14.2	15.7	17.3	18.8
			F	8.8	10.7	12.3	13.8	15.6	16.8	18.7
SINGAPORE ⁽⁵⁾	Malays	1983	M						19.5	20.7
			F						18.5	21.0
	Chinese	1983	M						20.8	23.0
			F						20.0	22.2
THAILAND	Bangkok		M	(3) 9.1	(3) 11.0	(3) 13.4	(3) 15.1	(3) 16.83	(6) a) 17.2	(6) a) 18.6
			F	8.5	10.9	13.0	14.5	16.08	16.8	18.3

- Source: (1) Dept. of Growth & Development, Univ. of Tsukuba, Japan
 (2) Ministry of Health & Welfare, Japan
 (3) Worldwide variation in human growth, Cambridge University Press, 1976
 (4) Ministry of Health, Philippines
 (5) Ministry of Health, Singapore
 (6) Burana Chavalittamrong and Ravadee Vathakanon, J. Med. Ass. Thailand, 1978
- Note: a) 50 percentiles

Age - Years										
8	9	10	11	12	13	14	15	16	17	18
19.9 19.2	21.3 21.6	23.3 23.4	25.7 26.3	27.3 30.3	31.8 33.4	37.1 37.6	40.9 40.4	44.7 43.2	46.9 44.6	48.7 45.9
26.9 26.4	28.8 28.2	32.4 32.8	36.6 38.1	42.0 41.7	46.6 46.2	53.1 48.6	55.8 50.3	59.7 52.3	60.5 51.7	60.0 51.7
19.5 18.7	20.7 21.8	24.2 24.0	27.0 28.5	29.5 30.0	32.5	35.3				
20.5 21.1	22.7 22.8	24.7 25.2	26.6 27.7	29.2 32.7	34.0 36.5	37.6 41.2	43.0 43.9	47.8 44.6	49.9 45.8	51.3 46.1
23.4 23.3	26.3 25.8	28.9 30.2	31.4 34.8	36.2 39.3	41.9 44.4	46.6 45.5	50.4 46.1	52.5 47.1	54.7 47.6	52.2 46.5
25.7 24.7	28.7 27.6	31.6 31.5	35.0 36.2	40.2 40.0	45.4 43.5	50.1 45.6	53.2 47.2	54.9 48.1	56.7 47.6	55.6 51.9
(6) a) 20.2 20.1	(6) a) 22.1 22.3	(6) a) 24.2 24.8	(6) a) 26.5 27.9	(6) a) 29.1 32.5	(6) a) 32.8 37.1	(6) a) 38.1 40.4	(6) a) 43.2 42.6	(6) a) 46.6 44.1	(6) a) 48.8 44.9	(6) a) 50.4 45.5

15-1. Definition of the Main Terms Used in the Hospital Statistics (WHO)

Occupation and level of education	Personnel to be included in the data
1. Hospitals	All establishments permanently staffed by at least one physician that can offer inpatient accommodation and provide active medical and nursing care. Establishments providing principally custodial care should not be included.
2. General hospitals (principal)	Hospitals—other than local or rural hospitals—providing medical and nursing care for more than one category of medical discipline (e.g., general medicine, specialized medicine, general surgery, specialized surgery, obstetrics, etc.)
3. Local or rural hospitals	Hospitals, usually in rural areas, permanently staffed by one or more physicians, which—in respect of their functions—are also general hospitals, but provide medical and nursing care of a more limited range than that provided by principal general hospitals.
4. Medical and maternity centres with beds	Small units, also known as rural health centres, bedded dispensaries, rural maternity homes, etc., not permanently staffed by a physician (but by a medical assistant, nurse, midwife, etc.), which offer inpatient accommodation and provide a limited range of medical and nursing care.
5. Specialized hospitals	Hospitals providing medical and nursing care primarily for only one discipline. This category does not include the specialized departments administratively attached to a principal general hospital and sometimes located in an annex or separate building; their beds (and the related data) are included with the principal general hospital.
6. Government hospitals	All hospitals administered by a government authority at any level, whether central, intermediate, or local.

Occupation and level of education	Personnel to be included in the data
7. Private non-profit-making hospitals	All hospitals, whether subsidized by the government or not, operated on a non-profit-making basis by non-government bodies, such as religious missions, industrial enterprises, trusts, or philanthropic institutions.
8. Private profit-making hospitals	All private hospitals (or medical establishments with beds) operated on a profit-making basis.
9. Beds	A hospital bed is one regularly maintained and staffed for the accommodation and fulltime care of a succession of inpatients and is situated in wards or a part of the hospital where continuous medical care for inpatients is provided. The total of such beds constitutes the normally available bed complement of the hospital. Cribs and bassinets maintained for use by healthy newborn infants who do not require special care should not be included.
10. Admissions	An inpatient admission is the formal admission by a hospital of an inpatient and always involves the allocation of a hospital bed. Healthy babies born in the hospital should not be counted if they do not require special care.
11. Discharges (including deaths)	The number of persons, living or dead, whose stay has terminated and whose departure has been officially recorded.
12. Patient days	Total of daily censuses of inpatients in the hospitals during the year. Not included in the daily censuses are healthy babies born in the hospitals if they do not require special care. The day of admission and the day of discharge should be counted together as one day.

15-2. Comparative Table of Medical Facilities

	Indonesia (1983)	Japan (1983)	Malaysia (1983)			Philippines (1983)	Singapore (1983)	Thailand (1983)
			Peninsular Malaysia	Sabah	Sarawak			
General Hosp.	v	v	v	v	v	v	v	v
General & Rural Hosp.	v					v		
Local or Rural Hosp.	v		v	v	v			v
Medical Center	v				v	v		v
Internal Medicine Hosp.						v		
Medical & Maternity Center						v		v
Maternity Hosp.	v					v	v	v
Infectious Diseases Hosp.	v	v				v	v	v
Chronic Diseases Hosp.						v	v	
Leprosy Hosp.	v	v	v		v	v		v
Tuberculosis Hosp.		v	v	v		v		v
Pediatrics Hosp.						v	v	v
Oto-Rhino-Laryngology Hosp.						v		
Dermato-Venereology Hosp.								v
Ophthalmology Hosp.	v						v	v
Orthopedics Hosp.	v					v		
Mental Hosp.	v	v	v	v	v	v	v	v
Cancer Hosp.	v							v
Establ. for Drug Addicts	v					v		v
Other Specialized Hosp.						v		v
Rural Hosp. & Nursing Homes			v					
Tropical Diseases Hosp.						v		v

Fig. 5 Annual Change of Number of Hospitals (Per 100,000)

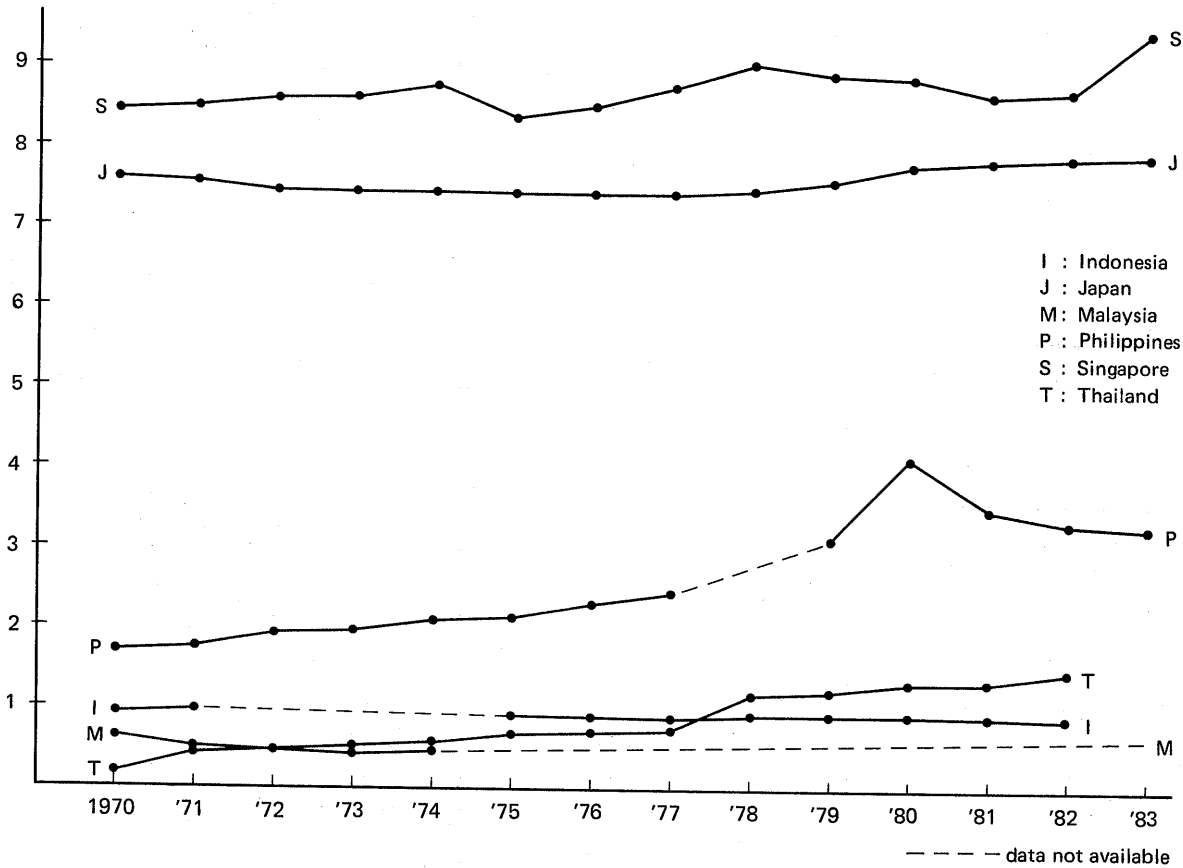


Fig. 6 Annual Change of Number of Beds (Per 100,000)

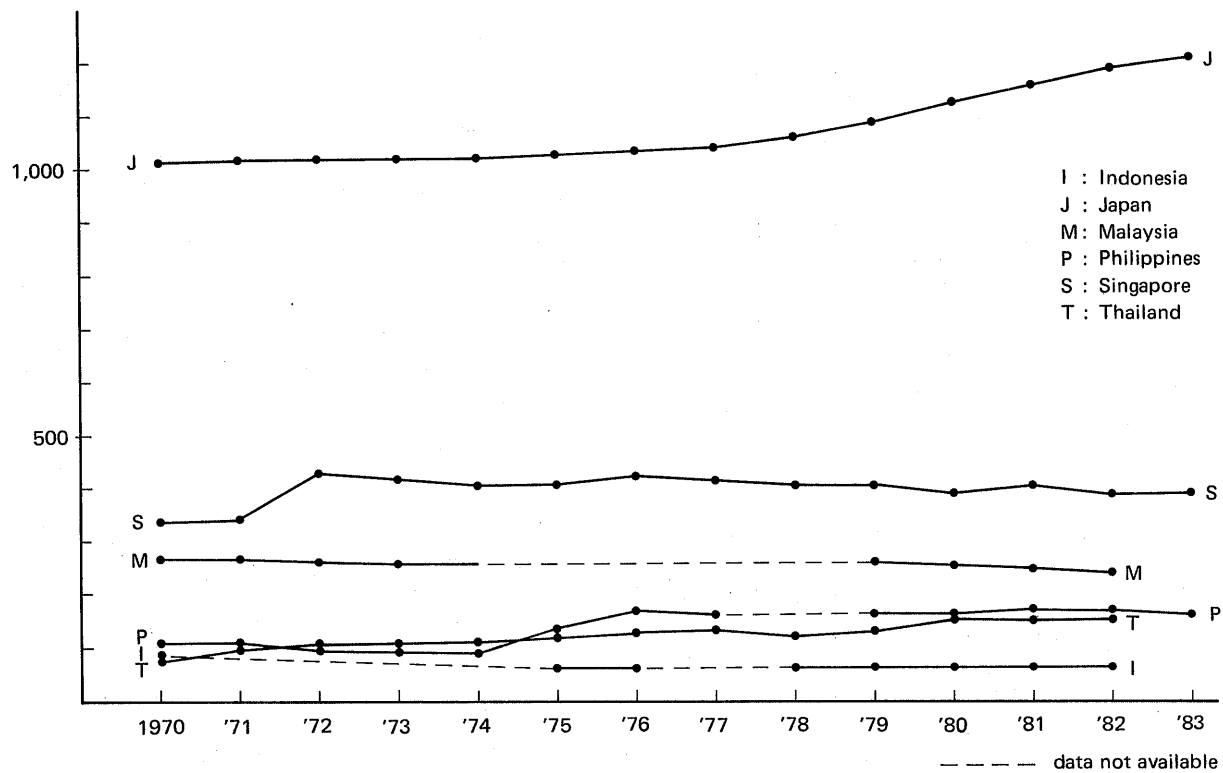


Fig. 7 Annual Change of Number of Physicians (Per 100,000)

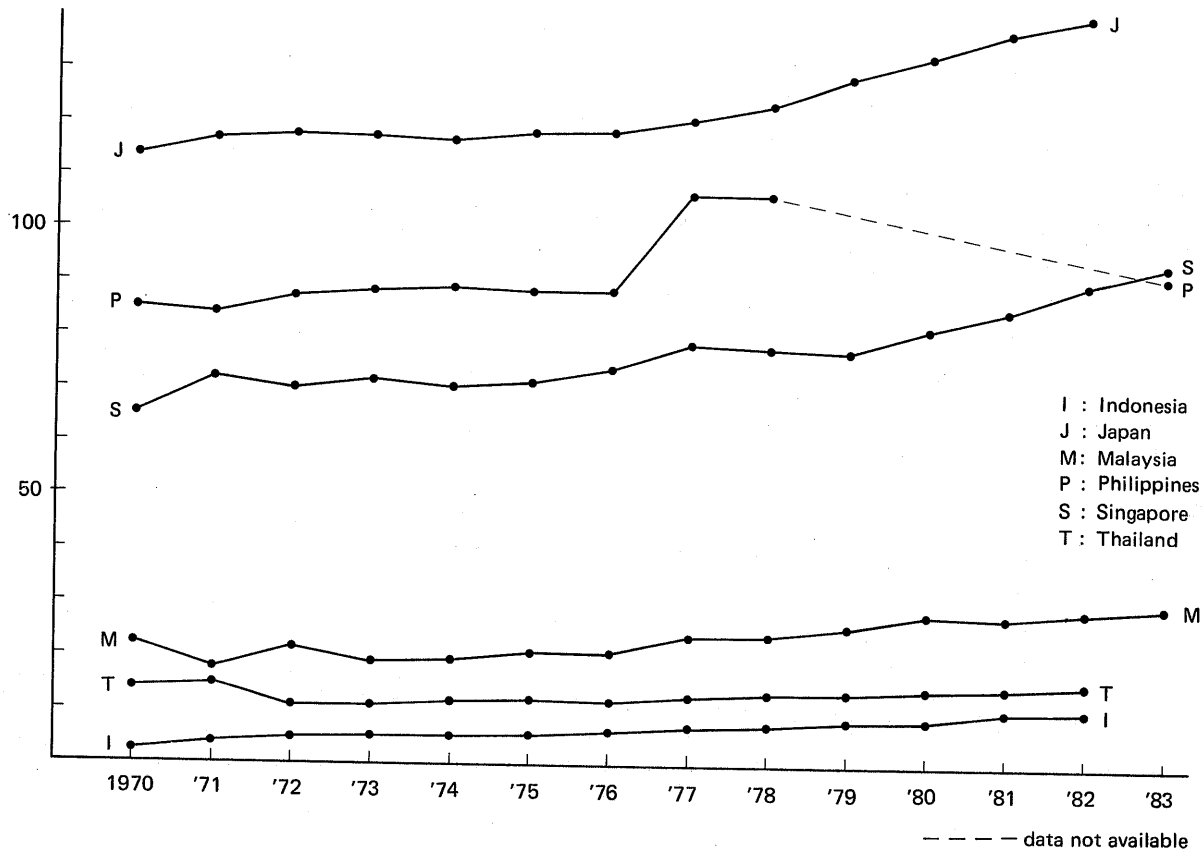
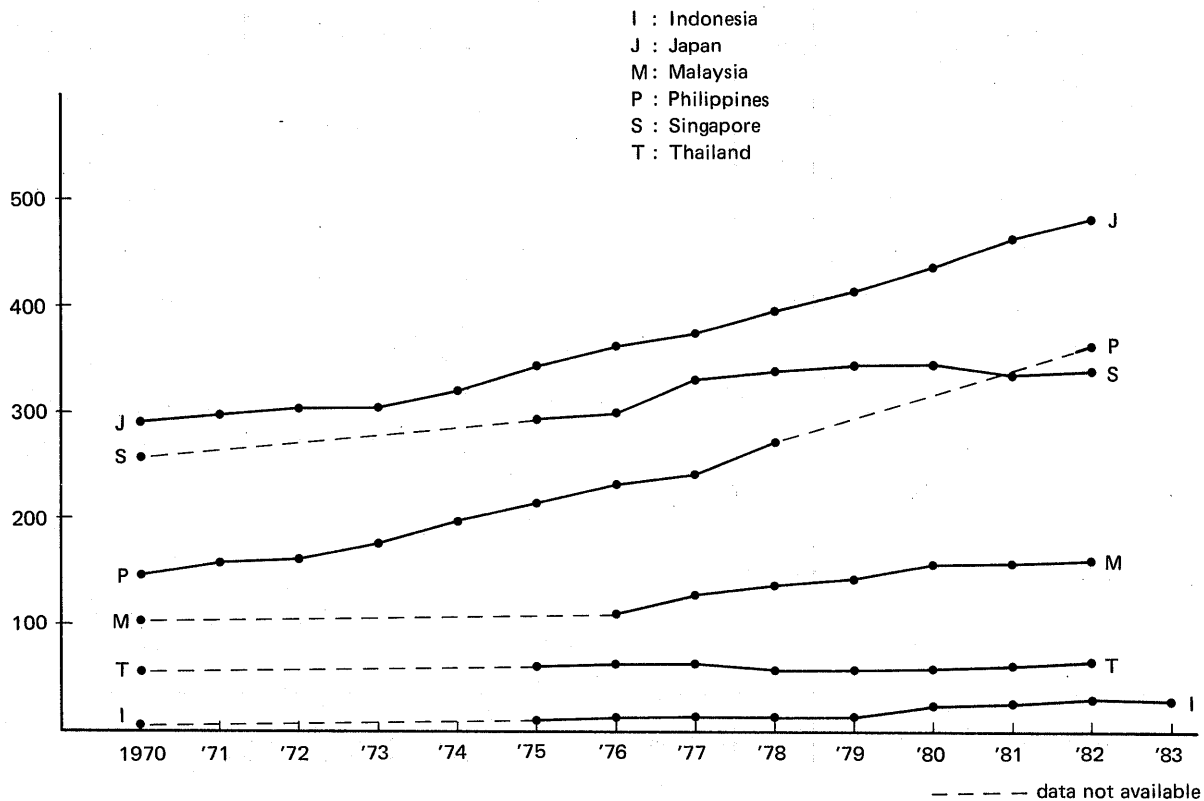


Fig. 8 Annual Change of Number of Nurses and Midwives (Per 100,000)



15-3. Hospital and Other Medical Establishments with Beds (1)

	Year	General Hospitals				General and Rural Hospitals				Local or Rural Hospitals			
		Establishments	Beds	Admissions or Discharges	Patient-Days	Establishments	Beds	Admissions or Discharges	Patient-Days	Establishments	Beds	Admissions or Discharges	Patient-Days
INDONESIA	1982	254	55,797	1,630,226	12,116,324					401	23,441	701,845	4,475,131
JAPAN	1982	8,340	983,345	7,456,682	333,386,185	. .				. .			
	1983	8,448	1,023,226										
MALAYSIA ^(1)a)	1983	22	15,438	—		89	26,211	—	—	67	10,773	—	—
Peninsular Malaysia	1983	12	12,133	438,056		60	21,164	759,100		48	9,031	321,044	
Sabah	1982	3	b) 1,407			15	2,627	b) 94,147		12	1,220	b) 50,185	
Sarawak	1982	7	b) 1,898			14	2,420	92,787		7	522	b) 20,694	
PHILIPPINES	1983	361	22,930	1,084,693	5,513,686	228	8,590	557,010	2,547,292	. .			
SINGAPORE	1983	13	5,106	209,576	1,275,389	. .				. .			
THAILAND ⁽²⁾	1982	105	15,228			. .				582	45,880		

Source: Ministry of Health in each country
 (1) Information and Documentation System Unit
 Planning and Development Division, Ministry of Health Malaysia
 (2) Health Statistics Division, Ministry of Public Health, Thailand

Note: a) District Hospital
 b) For year 1982
 Beds for Government Hospitals only
 Excluding Special Medical Institutions

	Year	Medical Centers				Internal Medicine Hospitals				Medical & Maternity Centers			
		Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days
INDONESIA										486	10,499	301,092	1,219,754
JAPAN		. . .				. . .				. . .			
MALAYSIA													
Peninsular Malaysia													
Sabah		. . .				. . .				. . .			
Sarawak													
PHILIPPINES	1983	8	2,600	79,153	503,018								
SINGAPORE		. . .				. . .				. . .			
THAILAND	1982	5	80			. . .							

15-3. Hospital and Other Medical Establishments with Beds (2)

	Year	Maternity Hospitals				Rural Hospital and Nursing Homes				Infectious Diseases Hospitals			
		Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days
INDONESIA	1982	17	1,260	53,271	209,747	. .				1	76	2,450	13,117
JAPAN	1982 1983	. .				. .				17 15	16,385 15,702	632	9,199
MALAYSIA													
Peninsular Malaysia													
Sabah		. .				. .				. .			
Sarawak													
PHILIPPINES	1983	1	700	75,943	238,070	. .				1	900	36,466	187,021
SINGAPORE	1983	2	695	48,527	172,850	. .				1	272	7,378	41,799
THAILAND	1982	5	840			. .				1	400		

	Year	Chronic Diseases Hospitals				Leprosy Hospitals				Tuberculosis Hospitals			
		Establish- ments	Beds	Admis- sions or Discharges	Patient- Days	Establish- ments	Beds	Admis- sions or Discharges	Patient- Days	Establish- ments	Beds	Admis- sions or Discharges	Patient- Days
INDONESIA	1982	. .				26	3,794	2,575	1,342,807	12	886	4,027	168,382
JAPAN	1982 1983	. .				16 16	11,467 11,082	337	3,003,894	33 32	70,734 63,890	3,546	898,182
MALAYSIA ⁽¹⁾													
Peninsular Malaysia	1983	. .				1	3,089	299		1	300	1,626	
Sabah							—	—	—	—	—	—	
Sarawak	1982					1	400	1,039	—	—	—	—	
PHILIPPINES	1983	. .				8	5,200	. .		2	1,064	12,754	237,927
SINGAPORE	1983	1	425	263	125,998	. .				. .			
THAILAND	1982	. .				2	2,700			2	536		

15-3. Hospital and Other Medical Establishments with Beds (3)

	Year	Pediatrics Hospitals				Oto-Rhino-Laryngology Hospitals				Dermato-Venereology Hospitals			
		Establish-ments	Beds	Adm.is-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days
INDONESIA				.	.			.	.			.	.
JAPAN				.	.			.	.			.	.
MALAYSIA													
Peninsular Malaysia													
Sabah				.	.			.	.			.	.
Sarawak													
PHILIPPINES	1983	1	250									.	.
SINGAPORE	1983	1	80	130	13,308			.	.			.	.
THAILAND	1982	1	462					.	.	1	43		

	Year	Ophthalmology Hospitals				Orthopedics Hospitals				Mental Hospitals			
		Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days
INDONESIA	1982					1	150	968	44,957	42	6,437	18,901	2,099,784
JAPAN	1982 1983	. .				. .				997 1,004	320,068 326,481	154,005	88,979,102
MALAYSIA													
Peninsular Malaysia	1983									2	5,108	6,673	
Sabah	1982	. .				. .				1	302	505	
Sarawak	1981									1	348	1,169 ^{a)}	
PHILIPPINES	1983	. .				1	700	8,251	222,480	1	5,200	6,274	
SINGAPORE	1983	1	20	327	2,788	. .				3	3,209	5,689	997,778
THAILAND	1982	9	149			. .				13	7,608		

Note: a) From the Medical Department of Sarawak Annual Report 1981

** New Admissions only of Bukit Padang Special Mental Institution

15-3. Hospital and Other Medical Establishments with Beds (4)

	Year	Cancer Hospitals				Establ. for Drug Addicts				Tropical Diseases Hospitals			
		Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days	Establish-ments	Beds	Admis-sions or Discharges	Patient-Days
INDONESIA	1982					1	20	238	4,978				
JAPAN		. .				. .				. .			
MALAYSIA													
Peninsular Malaysia													
Sabah		. .				. .				. .			
Sarawak													
PHILIPPINES	1983	. .				. .				1	50		
SINGAPORE		. .				. .							
THAILAND	1982	1	146			1	400			1	175		

	Year	Other Specialized Hospitals				Others				Total			
		Establish- ments	Beds	Admis- sions or Discharges	Patient- Days	Establish- ments	Beds	Admis- sions or Discharges	Patient- Days	Establish- ments	Beds	Admis- sions or Discharges	Patient- Days
INDONESIA	1982	5	552	7,539	77,410	. .				1,246	102,914	2,723,132	21,772,391
JAPAN	1982	. .				. .				9,403	1,401,999	7,615,202	426,276,562
	1983									9,515	1,440,381		
MALAYSIA ⁽¹⁾										89	26,211 ^{a)}	—	
Peninsular Malaysia	1983									60	21,164	759,100	
Sabah	1982	. .				. .				15	2,627	94,147	
Sarawak	1982									14	2,420	92 787	
PHILIPPINES		. .				. .							
SINGAPORE	1983	. .				. .				22	9,807	271,890	2,629,910
THAILAND	1982	. .				. .				729	74,647		

Source: (1) Information and Documentation System Unit, Planning and Development Division Ministry of Health Malaysia

Note: a) Total Beds excluding those in Special Medical Institutions

15-4. Hospital Utilization by Category of Hospitals (1)

	Year	Type	All Hospitals				General Hospitals					
			Population Per Bed	Beds Per 10,000 Pop.	Admissions Per 10,000 Pop.	Bed Occupancy Rate (%)	Type	Beds Per 10,000 Pop.	Admissions		Bed Occupancy Rate (%)	Aver. Length of Stay (Days)
									Per 10,000 Pop.	Per Bed		
INDONESIA	1982	T	1,503	6.7	272	58.0	T	6	163.1	29.3	59.5	7.6
JAPAN	1982	T	84.7	118.1	641.6	84.2	T	97.0	628.2	6.5	80.3	44.8
	1983	T	83.0	120.6		84.6	T	99.2				
MALAYSIA ⁽¹⁾												
Peninsular Malaysia	1983	A	579	17.25	618	64.1	A	9.89	357	36	75.1	7.66
Sabah	1982	A	414	24.11	b) 864	78.0	A	12.91	b) 403	b) 31	c) 76.0	
Sarawak	1982	A	567	17.64	b) 676		A	13.84	b) 525	b) 37		
PHILIPPINES												
SINGAPORE	1983	T	255	39.2	1,086.7	74.2	T	20.4	837.6	41.0	69.3	6.1
THAILAND ⁽²⁾	1982	T	649	15.4			T	3.1				

Source: Ministry of Health in each Country

- (1) Information and Documentation System Unit,
Planning and Development Division, Ministry of Health, Malaysia
(2) Health Statistics Division, Ministry of Public Health

Note:

Category of Hospital

T = Total

A = Government hospital establishments

B = Private non-profit hospital establishments

b) For year 1982

c) For year 1981 (from Medical & Health Dept. Sabah)

	Year	Local or Rural Hospitals						Medical and Maternity Centers					
		Type	Beds Per 10,000 Pop.	Admissions		Beds Occupancy Rate (%)	Aver. Length of Stay (Days)	Type	Beds Per 10,000 Pop.	Admissions		Bed Occupancy Rate (%)	Aver. Length of Stay (Days)
				Per 10,000 Pop.	Per Bed					Per 10,000 Pop.	Per Bed		
INDONESIA	1982		2.4	70.2	30	52.3	5.6		1.1	30.1	28.7	7.9	4
JAPAN		. . .						. . .					
MALAYSIA ⁽¹⁾													
Peninsular Malaysia	1983	A	7.36	261	35	48.20	4.95						
Sabah	1982	A	11.19	b) 460	41	c) 77.0		. . .					
Sarawak	1981	A	3.89	c) 155	40								
PHILIPPINES		. . .						. . .					
SINGAPORE		. . .						. . .					
THAILAND	1982	T	9.5										

Source (1) Information and Documentation System Unit
Planning and Development Division Ministry of Health
Malaysia

Note: b) For Year 1982
c) For Year 1981
In case of District Hospitals

15-4. Hospital Utilization by Category of Hospitals (2)

	Year	Type	Tuberculosis Hospitals					Type	Mental Hospitals				
			Beds Per 10,000 Pop.	Admissions		Beds Occupancy Rate (%)	Aver. Length of Stay (Days)		Beds Per 10,000 Pop	Admissions		Bed Occupancy Rate (%)	Aver. Length of Stay (Days)
				Per 10,000 Pop.	Per Bed					Per 10,000 Pop.	Per Bed		
INDONESIA	1982		0.1	0.4	4.6	52.1	39		0.7	1.9	13	89.3	115
JAPAN	1982	T	0.28	0.30	1.06	73.9	254.7	T	19.8	12.98	0.66	104.7	587.4
MALAYSIA ⁽¹⁾													
Peninsular Malaysia	1983	A	0.24	1.32	5.42	56.0	37	A	4.16	4.62	1.11	84.22	279
Sabah	1982							A	2.77	4.64	1.67		
Sarawak	1981							A	2.59*	8.73*	3.35*		
PHILIPPINES	1983							Special				88.5	
SINGAPORE	1983	. . .						T	12.8	22.7	1.8	85.1	175.4
THAILAND	1982	T	0.1					A	1.6				

Source: (1) Information and Documentation System Unit
Planning and Development Division Ministry of Health
Malaysia

Note: * Patient Admission in Sarawak Mental Hospital, Sibü & Miri
Psychiatric Units.
— From Sarawak Medical Dept. Annual Report

	Year	Type	Maternity Hospitals				
			Beds Per 10,000 Pop.	Admissions		Beds Occupancy Rate (%)	Aver. Length of Stay (Days)
				Per 10,000 Pop.	Per Bed		
INDONESIA	1982		0.2	5.4	42.6	45.7	4
JAPAN			• • •				
MALAYSIA			• • •				
Peninsular Malaysia							
Sabah							
Sarawak							
PHILIPPINES	1983	Special				93	3.1
SINGAPORE	1983	T	2.8	194.0	69.8	74.3	3.6
THAILAND	1982	A	0.2				

15-5. Number of Hospitals

		1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA ⁽¹⁾		1,164	1,115	1,138	1,132	1,169	1,181	1,208	1,239	1,246	
JAPAN ⁽²⁾		7,974	8,294	8,379	8,470	8,580	8,800	9,055	9,224	9,403	9,515
MALAYSIA ⁽³⁾											96
Peninsular Malaysia		64									64
Sabah			15	15	17						16
Sarawak		14	14	14	15	15					16
PHILIPPINES ⁽⁴⁾	Total	650	927	1,046	1,108		1,452	2,020	1,711	1,713	1,706
	Public	220	316	375	331		407	413	511	519	527
	Private	430	611	671	777		1,045	1,607	1,200	1,194	1,179
SINGAPORE ⁽⁵⁾	Total	171	189	200	207	215	214	215	214	218	238
	Government	11	14	13	13	13	13	13	13	13	11
	Private	5	8	8	8	10	12	13	13	13	12
	Other Government Clinics	155	167	179	186	102	189	189	188	192	215
THAILAND ⁽⁶⁾	Total	98	281	294	317	512	542	636	654	729	

Source (1) Data from Ministry of Health, Indonesia
 (2) Data from Ministry of Health & Welfare, Japan
 (3) Information and Documentation System Unit
 Planning Development Division, Ministry of Health, Malaysia
 (4) Bureau of Medical Services, Ministry of Health, Philippines

(5) Yearbook of Statistics, Singapore, 1983/84
 (6) Health Statistics Division, Ministry of Public Health,
 Thailand

15-6. Number of Beds

		1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA ⁽¹⁾		86,022	83,696	82,945		94,631	96,739	98,543	102,374	102,912	
JAPAN ⁽²⁾		1,062,553	1,164,098	1,184,737	1,207,003	1,232,779	1,269,081	1,319,406	1,362,161	1,401,999	1,440,381
MALAYSIA ⁽³⁾											
Peninsular Malaysia		27,927					34,592*	35,291*	35,308*	35,779*	
Sabah			2,233	2,309			29,186	29,792*	29,527*	29,661*	
Sarawak		2,000	2,358	2,424	2,542	2,576	2,670*	2,670*	2,668*	2,950*	
							2,736*	2,829*	3,113*	3,168*	
PHILIPPINES ⁽⁴⁾	Total	40,289	55,323	75,630	72,144		76,294	81,976	88,070	88,250	84,142
	Public	19,725	27,075	44,577	38,045	44,802	39,129	39,625	46,631	48,199	45,187
	Private	20,564	28,248	31,053	34,099		37,165	42,351	41,439	40,051	38,955
SINGAPORE ⁽⁵⁾	Total		9,105	9,709	9,671	9,583	9,746	9,579	9,899	9,822	9,807
	Government	6,891	8,005	8,609	8,574	8,493	8,485	8,078	8,365	8,246	8,222
	Private		1,100	1,100	1,097	1,090	1,261	1,501	1,534	1,576	1,585
THAILAND ⁽⁶⁾	Total	25,619	52,652	56,998	59,482	56,992	60,969	71,718	71,966	75,263 ^{a)}	

Source: (1) Welfare Indicator, 1982
(2) Data from Ministry of Health & Welfare, Japan
(3) Information and Documentation System Unit
Planning and Development Division, Ministry of Health,
Malaysia

Note:

(4) Bureau of Medical Services, Ministry of Health, Philippines
(5) Yearbook of Statistics, Singapore, 1983/84
a) Included Private Maternity Centers
* Beds are those in Government Hospitals including
Government Special Medical Institutions

16-1. Definition of Medical Personnel (WHO)

Occupation and level of education	Personnel to be included in the data
1. Physicians High (university) level	All graduates of a medical school of faculty actually working in your country in any medical field (practice, teaching, administration, research, laboratory, etc.).
2. Medical assistants Middle level	Personnel performing duties ranging from simple curative procedures for common diseases to wider medical care that may include a variety of diagnostic, curative and preventive practices. These personnel have no medical education of university level or equivalent.
3. Multipurpose health auxiliaries Basic level	Personnel who may have no more than elementary general education and a few months of in-service training and who provide basic health services at the village level.
4. Dentists/Dental surgeons (a) High (university) level (b) Middle (non-university) level	(a) All graduates of a dental school (or faculty of odontology or stomatology) actually working in your country in any dental field. (b) Personnel qualified from a dental school of non-university level and licensed to practise dentistry in your country.
5. Dental operating auxiliaries	Personnel performing a limited range of diagnostic, preventive, and curative services in dentistry. These personnel usually do not have complete dental education of university level or equivalent.
6. Dental non-operating auxiliaries (a) Dental laboratory technicians (b) Dental chairside assistants	Dental non-operating auxiliaries who assist dentists and dental operating auxiliaries in their clinical work but who do not carry out any independent intra-oral procedures. These dental personnel usually have technical training either in formal courses or by apprenticeship.

Occupation and level of education	Personnel to be included in the data
7. Pharmacists/Chemists High (university) level	All graduates of a faculty or school of pharmacy actually working in your country in pharmacies, hospitals, laboratories, industry, etc.
8. Pharmaceutical assistants Middle level	Personnel assisting in pharmacies, hospitals, or dispensaries to make and dispense medicaments, under the supervision of a pharmacist. These personnel do not have pharmaceutical education of university level or equivalent.
9. Veterinarians/Veterinary surgeons High (university) level	All graduates of a faculty or school of veterinary medicine actually working in your country in any field of veterinary activity, including teaching and public health.
10. Animal health assistants Middle level	Personnel carrying out limited diagnostic, preventive, and curative veterinary services. These personnel have no veterinary education of university level.
11. Professional Midwives High level (a) Non-nurse midwives (b) Nurse-midwives	All graduates of a midwifery school actually working in your country in any field of midwifery (practice in institutions and community health services, teaching, administration, private practice, etc.)
12. Assistant midwives/auxiliary midwives Middle level	Personnel carrying out midwifery duties in normal obstetrics, in institutions and other health services, in principle under the supervision of a professional midwife. These personnel do not have the full education and training of a professional midwife.
13. Auxiliary Nurse-midwives Middle level	Personnel performing certain nursing duties and midwifery duties in normal obstetrics, in principle under the supervision of a professional nurse or midwife. These personnel have simpler education and training in nursing and midwifery than the professional nurse-midwife.

Occupation and level of education	Personnel to be included in the data
14. Professional Nurses High level	All graduates of a nursing school working in your country in any nursing field (general nursing, specialized clinical nursing services in mental health, paediatrics, cardiovascular diseases, etc. — public health or occupational health, teaching, administration, research, etc.). These personnel are qualified and authorized to provide the most responsible and competent professional nursing service.
15. Assistant nurses/ auxiliary nurses Middle level	Personnel performing general patient care of a less complex nature in hospitals and other health services, in principle under the supervision of a professional nurse. These personnel do not have the full education and training of a professional nurse.
16. Nursing and mid-wifery aids Basic level	Personnel performing specified non-technical tasks in institutions or community health services under nursing supervision. These personnel usually have on-the-job or short training.
17. Physiotherapists/ Physical therapists	Professional personnel treating patients by exercise, physical means, and massage, usually as prescribed by a physician.
18. Medical laboratory technicians High-level technicians	Professionals who have graduated from a school for laboratory technicians and work under the responsibility of a scientific or medical specialist. They also participate in the supervision, teaching and training of subordinate technical personnel.
19. Assistant medical laboratory technicians Middle-level	Auxiliary technical laboratory personnel working under the supervision of a professional laboratory technologist or technician. These auxiliary personnel do not have the full training and theoretical knowledge of the professional.

Occupation and level of education	Personnel to be included in the data
20. Medical Physicists High (university) level	All graduates of a university or faculty of natural science with qualification in physics and mathematics and special education and training in the field of medical physics.
21. Medical radiological technicians High-level technicians	Professionals who have graduated from a school for radiological technicians and work under the general responsibility of a specialist or physician in the field of radiology. If possible, indicate the distribution of medical activity: (a) MRT (General) (b) MRT (Diagnosis) (c) MRT (Therapy)
22. Assistant medical radiological technicians Middle-level technicians	Auxiliary medical radiological personnel working under the direct supervision of a medical radiological technician or under a specialist or physician.
23. Sanitray engineers High (university) level	Professionally qualified engineers specialized in the prevention, control, and management of environmental factors that influence man's health adversely, e.g., in the design and operation of facilities for control and the planning and administration of environmental health programmes.
24. Sanitarians High-level technicians	Professional personnel other than physicians inspecting the environment, promoting measures to restore or improve sanitary conditions (food inspection, inspection of public premises, etc.) and supervising the implementation of these measures.
25. Auxiliary sanitarians Middle-level technicians	Personnel who perform to a limited extent the functions of a professional sanitarian but do not have the full training and theoretical knowledge of the professional.

Occupation and level of education	Personnel to be included in the data
26. Other scientific or professional personnel Examples: Biochemists Biologists Entomologists Psychologists Nutritionists Dietitians Occupational therapists Speech therapists Other special therapists Health educators Health statisticians Medical record librarians	Scientific (university) or professional personnel working in the health field, but not classifiable under previous items (e.g., excluding physicians).
27. Other technical personnel Examples: Cardiology technicians Encephalographers Opticians Orthopaedic technicians Hearing aid technicians Health statistical technicians Medical record technicians	Technical personnel in the health field not classifiable under previous items.
28. Other health auxiliaries and aides examples: Microscopists Laboratory aides Dark-room assistants	Health auxiliaries not classifiable under previous items, who generally have not more than primary general education and an elementary technical training by apprenticeship or in-service training.

Occupation and level of education	Personnel to be included in the data
29. Practitioners of traditional medicine/ midwifery Examples: Herb doctors Ayurvedic doctors Lay medical practitioners Medicine men Acupuncturists Traditional birth attendants	

16-2. Comparative Table of Medical Personnel

	Indonesia (1983)	Japan (1983)	Malaysia (1983)			Philippines (1983)	Singapore (1983)	Thailand (1983)
			Peninsular Malaysia	Sabah	Sarawak			
Physicians	v	v	v	v	v	v	v	v
Medical assistants			v	v	v			v
Multipurpose health auxiliaries			v	v	v	v		v
Dentists/Dental surgeons	v	v	v	v	v	v	v	v
Dental operating auxiliaries	v	v	v	v	v	v	v	v
Dental non-operating auxiliaries	v	v		v	v		v	v
Pharmacists/Chemists	v	v	v	v	v	v	v	v
Pharmaceutical assistants	v		v	v	v		v	v
Veterinarians/Veterinary surgeons		v	v	v	v	v	v	v
Animal health assistants					v		v	v
Professional midwives	v	v	v	v	v	v	v	v
Assistant midwives/Auxiliary midwives	v		v	v	v			v
Auxiliary nurse-midwives			v	v	v			v
Professional nurses	v	v	v	v	v	v	v	v
Assistant nurses/Auxiliary nurses	v	v	v	v	v	v	v	v
Nursing and midwifery aids	v		v	v	v	v		v
Physiotherapists/Physical therapists	v	v	v	v	v	v	v	v
Medical laboratory technicians	v	v	v	v	v	v	v	v
Assistant medical laboratory technicians	v	v	v	v	v	v	v	v
Medical physicist		v	v				v	
Medical radiological technicians	v	v	v	v	v	v	v	v
Assistant medical radiological technicians	v	v	v	v	v		v	v
Sanitarians	v		v	v	v	v	v	v
Auxiliary sanitarians			v	v	v		v	v
Sanitary engineers			v	v	v	v	v	v
Other scientific or professional personnel	v	v	v	v	v	v	v	v
Other technical personnel		v	v	v	v		v	v
Other health auxiliaries and aides	v		v	v	v		v	v
Practitioners of traditional medicine/Midwifery			v	v	v			v
Dental nurses	v		v	v	v		v	
Nurses including nurse-midwives			v	v	v		v	

16-3. Medical and Allied Health Personnel (1)

	Year	Physicians	Medical Assistants	Multi-purpose Health Auxiliaries	Dentists/ Dental Surgeons	Dental Operating Auxiliaries	Dental Non-operating Auxiliaries	Pharmacists/ Chemists	Pharmaceutical Assistants
INDONESIA ⁽¹⁾	1982	16,000	. .	. .	2,128	2,536	54	3,389	21,706
JAPAN	1982	167,952	. .	. .	58,362	26,658	24,836	124,390	. .
MALAYSIA ^(2)a)	1982	4,234	3,804	—	798	863	—	626	1,027
Peninsular Malaysia	1982	3,856	3,132	—	724	828	—	595	870
Sabah	1982	161	440	—	42	34	—	12	64
Sarawak	1982	217	232	—	32	1	—	19	93
PHILIPPINES	1983	47,989 ^{b)}	. .	214,696 BHW	5,212P 2,845G	779P 1,295G	. .	25,337/9 ^{c)}	. .
SINGAPORE	1983	2,496	. . .	. .	555	228	45G	387	230
THAILAND ⁽³⁾	1982	7,658	212	173,203	1,142	480	587	3,097	622

Source: Ministry of Health in each country

- (1) The Health Situation of Indonesia
- (2) Information and Documentation System Unit Establishment Book, Ministry of Health & Operating Expenditure on Post Vol. II-1983, Ministry of Finance
- (3) Health Statistics Division, Ministry of Public Health

Note:

- a) As of Dec. 31, 1982
 - b) Registered as of June 30, 1984
 - c) Ministry of Health Control Office only
 - d) Ministry of Health only
- BHW: Barangay Health Workers P : Private G : Government
 *: Entry used for Calculation of Population/Nursing and Midwifery Personnel Ratios
 **: Nursing Board, Ministry of Health

		Veterinarians/ Veterinary Surgeons	Animal Health Assist.	Professional Midwives	Assistant Midwives/ Auxiliary Midwives	Auxiliary Nurse- Midwives	Professional Nurses	Assistant Nurses/ Auxiliary Nurses	Nursing and Midwives Aids
INDONESIA ⁽¹⁾	1982	. .	. .	14,962	19,705	. .	3,506	42,996	40,883
JAPAN	1982	25,548	. .	25,416	. .	. .	279,186	261,785	. .
MALAYSIA ^(2)a)	1982			6,108	—	—	18,351**	9,374**	—
Peninsular Malaysia	1982			5,353	—	—	17,144**	8,218**	
Sabah	1982	. .	. .	417	—	—	653	817	—
Sarawak	1982			338	—	—	554	339	—
PHILIPPINES	1983	1,920 ^{b)}	. .	14,021 ^{d)}	. .	. .	11,917 ^{d)}		4,515 ^{d)}
SINGAPORE	1983	12G	339G	710*	. .	. .	5,577*	2,137*	. .
THAILAND ⁽³⁾	1982	446	122	8,851	136	7,651	22,871	20,466	1,136

16-3. Medical and Allied Health Personnel (2)

	Year	Physio-therapists/ Physical Therapists	Medical Laboratory Technicians	Assistant Medical Laboratory Technicians	Medical Physicists	Medical Radiological Technicians	Assistant Medical Radiological Technicians	Sanitary Engineers	Sanitarians
INDONESIA ⁽¹⁾	1982	344	127	2,374	. .	197		. .	1,717
JAPAN	1981* 1982**	678 3,175	4,527 31,181	614 1,315	1,805 6,848	3,226 14,985	1,775 2,196	. .	. .
MALAYSIA ^(2)a)	1982	86	843	—	—	—	—	17	—
Peninsular Malaysia	1982	77	763	385	4	—	—	15	—
Sabah	1982	6	68	60	. .	—	—	1	—
Sarawak	1982	3	12	134	. .	—	—	1	—
PHILIPPINES	1983	3 ^{c)}	2,039 ^{d)}		7 ^{d)}	3 ^{d)}	. .		
SINGAPORE	1983	34G	187G	91G	5G	105G	22G	146G	230G
THAILAND ⁽³⁾	1982	336	461	416	85	204	365	18	233

Source: Ministry of Health in each country

(1) The Health Situation of Indonesia

(2) Information and Documentation System Unit
Establishment Book, Ministry of Health & Operating
Expenditure on Post Vol. II-1983, Ministry of Finance

(3) Health Statistics Division, Ministry of Public Health

Note:

a) As of Dec. 31, 1982

b) Personnel engaged in either environmental sanitation or food, including those belonging to both. (According to the Bureau of Public Health)

c) Ministry of Health, Central Office only

d) Ministry of Health only

* Clinics — 1981

** Hospital — 1982

G Personnel in Government services

	Year	Auxiliary Sanitarians	Other Scientific or Professional Personnel	Other Technical Personnel	Other Health Auxiliaries and Aids	Practitioners of Traditional Medicine/ Midwifery	Dental Nurses	Nurses Including Nurse-Midwives	Orthopaedic Technicians
INDONESIA ⁽¹⁾	1982	. .		. .		. .	1,912	. .	
JAPAN	1981* 1982**	. .	27,588 b) 27,651 b)	6,477 16,680	. .	. .	. .	. .	. .
MALAYSIA ^(2)a)	1982	—		—	—	—	739	—	—
Peninsular Malaysia	1982	—		—	—	—	564	—	—
Sabah	1982	—		—	—	—	63	—	—
Sarawak	1982	—		—	—	—	112	—	—
PHILIPPINES		. .		. .	. .	. .	. .	. .	
SINGAPORE	1983	347G	51G	41G	65G	. .	325G	7,714	
THAILAND ⁽³⁾	1982	7,760					. .	. .	

16-3. Medical and Allied Health Personnel (3)

	Year	Malaria Field Officers	Medical Social Technicians	Health Statistics Technicians	Medical Statistician	Dental Hygienists	Trained or rural Midwives	Traditional Birth Attendants	Laboratory Aids
INDONESIA ⁽¹⁾									
JAPAN	1982	. .	. .	. .	. .	24,836	. .	. .	. .
MALAYSIA ^(2)a)									
Peninsular Malaysia	1982	388	5	4	3	—	523	2,804	—
Sabah	1982	24	—	1	—	—	334 ^{b)}	—	—
Sarawak	1982	21	1	—	—	—	481	—	—
PHILIPPINES	1983	14 ^{c)}				1 ^{d)}		^{d)**} 19,193	
SINGAPORE	1983	. .	. .			. .	. .	. .	. .
THAILAND ⁽³⁾									

Source: Ministry of Health in each country
 (1) The Health Situation of Indonesia
 (2) Information and Documentation System Unit Establishment Book, Ministry of Health & Operating Expenditure on Post Vol. II-1983, Ministry of Finance
 (3) Health Statistics Division, Ministry of Public Health

Note: a) As of Dec. 31, 1982
 b) Data provided by Medical Department, Sabah
 c) Ministry of Health Central Office only
 d) Ministry of Health only
 * Division II Dentist for Year 1983
 ** 1975 — 1983

	Year	Sanitary Inspectors	Medical Social Workers	Dental Practitioners	Veterinary Assistants	Nurse- midwives	Dental Technicians	Dispensers	Assistant Nurse- midwives
INDONESIA ⁽¹⁾	1979					893			
JAPAN	1981 1982	. .	973 3,076	. .	. .	. .	. .	. .	. .
MALAYSIA ^(2)a)			27	315*			223	—	—
Peninsular Malaysia	1982		27	205*		5,586	—	—	—
Sabah	1982		—	48*			—	—	—
Sarawak	1982		—	62*			—	—	—
PHILIPPINES	1983	1880 ^{d)}							
SINGAPORE	1983	. .	37G	555	15G	. .	45G	207G	. .
THAILAND ⁽³⁾									

16-3. Medical and Allied Health Personnel (4)

	Year	Nurses	Occupational Therapists	Dietitians	Radio- graphers	Nursing Auxiliaries	X-ray Assistant Technicians	Health Inspectors	Assistant Health Inspectors
INDONESIA ⁽¹⁾	1982	22,205							
JAPAN	1982	540,971	125 ^{b)} 3,175 ^{c)}	. .	. .	. .	1,775 ^{b)} 2,196 ^{c)}	. .	. .
MALAYSIA ^(2)a)	1982	18,351	44	38	282	—	349	768	1,253
Peninsular Malaysia	1982	17,144	36	38	233	—	315	593	1,253
Sabah	1982	653	4	—	16	—	4	56	—
Sarawak	1982	554	4	—	33	—	30	137	—
PHILIPPINES	1983	11,917 ^{d)}		4,753 ^{d)}					
SINGAPORE	1983		18G	13G	105G	. .	. .	230G	347G
THAILAND ⁽³⁾									

Source: Ministry of Health in each country

(1) The Health Situation of Indonesia

(2) Information and Documentation System Unit
Establishment Book, Ministry of Health & Operating
Expenditure on Post Vol. II-1983, Ministry of Finance

(3) Health Statistics Division, Ministry of Public Health

Note:

a) As of Dec. 31, 1982

b) Clinics — 1981

c) Hospital — 1982

d) Registered as of June 30, 1984, Ministry of Health only

G : Government

* Number of Licenses given in 1983

	Year	Biochemists	Health Educators	Midwives	Microscopists	Health Assistants	Entomologists	Dental Surgery Assistants	Nutritionists	Darkroom Assistants
INDONESIA⁽¹⁾	1982			17,207					372	
JAPAN	1982	. .	. .	25,416	. .	. .	. .	. .	395,274*	. .
MALAYSIA^(2)a)	1982	53	36	6,108	—	786	5		19	—
Peninsular Malaysia	1982	46	32	5,353	3	593	2		1	—
Sabah	1982	5	1	417	—	56	1		1	—
Sarawak	1982	2	3	338	—	137	2			—
PHILIPPINES	1983		127 ^{d)}	14,021 ^{d)}			5 ^{d)}			
SINGAPORE	1983	9G	3G		. .	. .		. .	1G	. .
THAILAND⁽³⁾	1982								447	47

16-4. Population/Health Personnel Ratios

	Year	Physicians per 10,000 Population	Population per Physicians	Dentists per 10,000 Population	Population per Dentists	Pharma- cists per 10,000 Population	Population per Phar- macists	Medical Assistants per 10,000 Population	Population per Medical Assistants	Nursing Personnels per 10,000 Population	Population per Nursing Personnels	Nursing and Midwifery Personnels per 10,000 Population	Population per Nursing and Midwifery Personnels
INDONESIA	1980	0.9	11,448	0.1	120,065	0.2	44,820	. .	. .	2.5	3,947	3.6	2,769
JAPAN	1982	14.2	707	4.92	2,033	10.5	954	. .	. .	45.6	219	47.7	210
MALAYSIA		2.92	3,402	0.55	16,690	0.43	23,009	2.63	3,786	12.69	784	19.17	521
Peninsular Malaysia	1982	3.21	3,097	0.60	15,138	0.49	20,074	2.61	3,813	14.29	697	18.72	533
Sabah	1982	1.42	8,516	0.38	42,847	0.11	57,331	4.03	3,116	5.99	2,099	9.82	1,018
Sarawak	1982	1.58	5,019	0.23	25,935	0.13	114,260	1.69	4,695	4.04	1,966	6.50	1,537
PHILIPPINES*	1983	9.23 ^{R)}	1,083	1.56 ^{R)}	6,426	4.88 ^{R)}	2,051	. .	. .	2.29*	4,361	4.99*	2,004
SINGAPORE	1983	10.0	1,002	2.2	4,508	1.5	6,465			30.8	324	33.7	297
THAILAND	1982	1.58	6,332	0.24	42,460	0.64	15,657	0.04	228,726				

Source: Ministry of Health in each country

Note: *Ministry of Health manpower only

R) (Registered) Government & Private

16-5. Number of Medical Personnel
Physicians

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA	3,578	8,279	8,977	9,805	10,456	11,681 ⁽¹⁾	12,931 ⁽¹⁾	15,400 ⁽¹⁾	16,000 ⁽¹⁾	16,698 ⁽¹⁾
JAPAN	118,990	132,479	134,934	138,316	142,984	150,229	156,235	162,882	167,952	
MALAYSIA^{a)}				3,058 ⁽³⁾	3,168 ⁽³⁾	3,514 ⁽³⁾	3,858 ⁽³⁾	3,941 ⁽³⁾	4,234 ⁽³⁾	4,474 ⁽³⁾
Peninsular Malaysia	2,370	2,511 ⁽²⁾	2,659	2,789	2,906	3,207	3,518	3,584	3,856	4,082
Sabah				107	101	128	141	150	161	174
Sarawak	80	131	135	162	161	179	199	207	217	218
PHILIPPINES	31,515	37,276	38,490	47,801	49,110	6,839*	7,259*	7,378*	7,378*	47,989 ^{R)}
SINGAPORE	1,363	1,622	1,705	1,847	1,850	1,851 ⁽⁴⁾	1,976 ⁽⁴⁾	2,091 ⁽⁴⁾	2,225 ⁽⁴⁾	2,361 ⁽⁴⁾
THAILAND	5,407	5,005	5,210	5,790	5,973	6,395	6,867	6,931	7,658 ⁽⁵⁾	

Source: Data from Ministry of Health in each countries
 (1) The Health Situation of Indonesia, Dept. of Health 1984
 (2) Statistical Handbook of Peninsular Malaysia, 1976
 (3) Medical Council Ministry of Health Malaysia
 (4) Yearbook of Statistics, Singapore, 1983/84

Note: (5) Health Statistics Division, Ministry of Public Health, Thailand
 * Ministry of Health manpower only
 a) As of Dec. 31
 R) Registered Physicians (Government & Private)

16-5. Number of Medical Personnel
Dentists

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA⁽¹⁾	452						1,681	1,905	2,128	2,364
JAPAN	37,859	43,586	44,382	45,715	48,731	50,821	53,602	56,841	58,362	
MALAYSIA^(2)a)						644	691	720	798	858
Peninsular Malaysia		443	468	520	569	589	630	658	724	774
Sabah	15	9	10		28 b)	22	25	25	42	48
Sarawak						33	36	37	32	36
PHILIPPINES	12,174	13,096	13,370	13,694	14,181	777*	1,029*	1,090*	984*	8,057**
SINGAPORE	398	419	433	464	476	494 ⁽³⁾	485 ⁽³⁾	501 ⁽³⁾	530 ⁽³⁾	555 ⁽³⁾
THAILAND⁽⁴⁾	683	652	744	816	1,025	1,122	1,169	1,132	1,142	

Source: Data from Ministry of Health in each countries
 (1) The Health Situation of Indonesia. Dept. of Health, 1984
 (2) Dental Board, Ministry of Health
 (3) Yearbook of Statistics, Singapore, 1983/84
 (4) Health Statistics Division, Ministry of Public Health, Thailand

Note: a) As of Dec. 31
 b) From Annual Report Medical Department Sabah
 * Ministry of Health manpower only
 ** Government and Private

16-5. Number of Medical Personnel
Pharmacists

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA⁽¹⁾	1,486	1,847	2,011	2,323	2,475	2,723	3,013	3,213	3,389	3,587
JAPAN	79,393	94,362	97,474	100,897	104,693	110,774	116,056	120,444	124,390	
MALAYSIA^{a)}		258	291	342	371	413	488	516	626 ⁽²⁾	
Peninsular Malaysia									595 ⁽²⁾	
Sabah					15 ⁽³⁾	15 ⁽³⁾	17 ⁽³⁾	23 ⁽³⁾	12 ⁽²⁾	37 ⁽⁴⁾
Sarawak									19 ⁽²⁾	
PHILIPPINES	19,076	20,838	21,092	21,546	22,186	723*	518*	539*	504*	25,337 ^{R)}
SINGAPORE	245	288	298	318	330	351 ⁽⁶⁾	368 ⁽⁵⁾	358 ⁽⁵⁾	373 ⁽⁵⁾	387 ⁽⁵⁾
THAILAND⁽⁶⁾	1,407	1,913	2,074	2,236	1,160	1,266	2,650	2,680	3,097	

Source: Data from Ministry of Health in each country
 (1) The Health Situation of Indonesia, Dept. of Health 1984
 (2) Indicator for Monitoring and Evaluation of Strategy for Health for All by the year 2000 — Information and Documentation System Unit, Ministry of Health
 (3) From Annual Report Medical Department, Sabah 1982
 (4) Data provided by Medical Department, Sabah

Note:

(5) Yearbook of Statistics, Singapore, 1983/84
 Ministry of Health manpower only
 (6) Health Statistics Division, Ministry of Public Health, Thailand
 * Ministry of Health manpower only
 a) As of Dec. 31
 R) Registered Pharmacists (Government & Private)

16-5. Number of Medical Personnel

Midwives

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA ⁽¹⁾	3,752	10,720	12,642	13,799	14,921	15,775	16,472	16,928	17,207	17,486
JAPAN	28,087	26,742	26,804	26,618	26,493	26,267	25,867	25,538	25,416	
MALAYSIA ⁽²⁾										
Peninsular Malaysia		3,767	4,008**	4,257**	4,474**	4,776**	5,002**	5,189**	5,353**	5,423**
Sabah									417	
Sarawak									338*	
PHILIPPINES	16,082	26,680	31,958	27,430	30,295	8,698*	9,329*	9,470*	9,428*	14,021*
SINGAPORE ⁽³⁾	1,058	930	925	863	857	807	779	766	722	710
THAILAND ⁽⁴⁾	4,203	6,335	7,304	7,436	7,915	8,677	8,669	8,577	8,851	

Source: Data from Ministry of Health in each country

(1) The Health Situation of Indonesia, Dept. of Health, 1984

(2) Nursing Board Ministry of Health

(3) Ministry of Health

(4) Health Statistics Division, Ministry of Public Health, Thailand

Note: * Ministry of Health manpower only
 ** Division II Midwives only

16-5. Number of Medical Personnel
Nurses

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
INDONESIA ⁽¹⁾		9,856	11,284	13,912	16,140	18,426	20,201	21,589	22,205	22,487
JAPAN	273,572	361,604	382,459	404,156	431,911	458,362	487,169	518,097	540,971	
MALAYSIA ⁽²⁾										
Peninsular Malaysia			10,658	11,999	13,124	14,206	15,392	16,289	17,144	17,916
Sabah									633	640 ^{a)}
Sarawak									554	
PHILIPPINES	38,918	64,155	71,585	80,781	94,411	8,523	9,605*	9,644*	9,075*	11,917*
SINGAPORE ⁽³⁾	4,304	5,767	5,960	6,814	7,069	7,405	7,545	7,240	7,534	7 714
THAILAND ⁽⁴⁾	15,387	18,993	21,004	22,667	16,515	17,211	18,483	19,599	22,871	

Source: Data from Ministry of Health in each country

(1) The Health Situation of Indonesia, Dept. of Health, 1984

(2) Nursing Board, Ministry of Health

(3) Yearbook of Statistics, Singapore 1983/84

Note:

(4) Health Statistics Division, Ministry of Public Health, Thailand

* Ministry of Health manpower only

a) From Medical Department, Sabah

17-1. Situation of Medical Schools

	Academic Year	Number of Medical Schools	Duration of Studies	Total Enrolment	Admissions	Graduates
INDONESIA ⁽¹⁾	1982/83	13	7 years ^{a)}			1,178
JAPAN	1982/83	79	6 years		8,360	13,517 ⁽²⁾
MALAYSIA ⁽³⁾	1982	3	5 to 6 years ^{b)}	1,500		
PHILIPPINES	1982 — 83	23	Pre - Med - 4 Proper - 4 Intern - 1	3,830 ⁽⁴⁾		7,405 ⁽⁵⁾
SINGAPORE ⁽⁶⁾	1983/84	1	5 years	N - 761 F - 135	N - 169 F - 33	N - 129 F - 11
THAILAND	1983	7	6 years			

Source: (1) Consorciom Medical Service

(2) Clinical trainee

(3) Indicator for Monitoring and Evaluation of Strategy for Health for All by the year 2000 — 1982 Ministry of Health

(4) Quota, only Freshman enrolment for school year 1982 — 83

(5) School year 1976 — 81

(6) National University of Singapore

Note: a) 6 Years at the University of Indonesia Medical Faculty, Jakarta

N: Nations, F: Foreigners

b) 5 Years at the University of Malaya; 6 Years at the National University of Malaysia (including a 1-year premedical course)