

SEAMIC HEALTH STATISTICS 1981

— SOUTHEAST ASIA —

*With the Compliments
of*

SEAMIC

Japan

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SOUTHEAST ASIAN MEDICAL INFORMATION CENTER
INTERNATIONAL MEDICAL FOUNDATION OF JAPAN
Toyo Kaiji Bldg.No.6,7-2,Shimbashi 4-chome,Minato-ku,Tokyo105,Japan

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PREFACE

This edition has been compiled and issued updating the contents of the 1980 edition.

August 1981

Minoru Uematsu M.D. (Coordinator)
Ichiro Fukushima, M.D.
Kazuo Fukutomi, Ph. D.
Masaaki Fukushima, M.D.
Seiji Ohsawa, M. Sc.
Yasuko Hayase, M. B.S.

Hiroshi Uehara, responsible for processing

Preface from the 1979 edition

It has been strongly recognized by participants in the past SEAMIC Workshops that health statistics are essential and important for both the planning and evaluation of health programs. Thus, the Committee on Health Statistics has attempted to compile health statistics for the countries participating in SEAMIC.

Last year SEAMIC published a preliminary edition of these statistics and distributed in along with questionnaires to survey the needs of the users. The results of the survey, which are given at the end of this book, have been very encouraging to the editors.

Based on the results of the questionnaire, this edition has been improved with respect to the mortality statistics by cause of death, the environmental indicators and the social indicators.

Hoping that these statistics will be improved by inclusion of those from other reliable sources, we intend to publish such a book of statistics periodically in cooperation with health statisticians in Southeast Asia.

Comments and suggestions from users will always be welcome.

March, 1979

Committee on Health Statistics
SEAMIC

Minoru Uematsu M.D. (Coordinator)
Morihiro Ishida M.D.
Shigekoto Kaihara M.D.
Ken-ichi Nakamura M.D.
Buntaro Ohmori M.D.

Seiji Ohsawa, responsible for processing

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AREA AND POPULATION

Area and Population

	Area ⁽¹⁾ (km ²)	Estimated Pop. ⁽¹⁾ 1978 (Mean of midyear) (in thousand)	Date	Latest Census		
				Total	Male	Female
Indonesia	2,027,087	145,100 ^(x)	1976 ⁽²⁾	126,093,181	62,357,283	63,735,898
Japan	372,313	114,898 ^(*)	1 X 1980 ⁽³⁾	116,916,400	57,490,400	59,426,100
Malaysia	329,749	12,960 ^(x)		10,319,643	5,198,418	5,120,906
Peninsular	131,588	—	24—25 VIII 1970 ⁽¹⁾	8,780,728	4,413,068	4,367,660
Sabah	73,711	—	24—25 VIII 1970 ⁽¹⁾	6,651,304	338,227	313,077
Sarawak	124,450	—	24—25 VIII 1970 ⁽¹⁾	887,292	447,123	440,169
Philippines	300,000	46,351	1 V 1975 ⁽⁴⁾	42,070,660	21,276,224	20,794,436
Singapore	581	2,334 ^(*)	24 VI 1980 ⁽⁵⁾	2,413,945	1,231,760	1,182,185
Thailand	514,000	45,100 ^(*)	1 VI 1970 ⁽¹⁾	34,397,374	17,123,862	17,273,512

Source: (1) Demographic Yearbook 1978, UN

(x) Estimates prepared by the Population Division of the United Nations

(*) Provisional

(2) 1976 Intercensal Population Survey, Tabulation Series Number 2, Biro Pusat Statistik, December 1977

(3) Preliminary Report of the 1980 Population Census of Japan, Bureau of Statistics, Office of the Prime Minister, Japan, March 1981

(4) Philippines 1975 Total Population, National Census and Statistics Office, August, 1978

(5) Census of Population 1980 Singapore, Department of Statistics, Singapore, January 1981

Estimates of Mid-Year Population

	Population Estimates (in million)										
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Indonesia ^(x)	119.47	122.53	125.64	128.80	132.00	135.23	138.49	141.78	145.10		
Japan	104.34	105.70	107.19	108.71	110.16	111.57	112.77	113.86	114.90	⁽¹⁾ 116.13	⁽²⁾ 116.92
Peninsular Malaysia	10.39	10.70	11.00	11.31	11.65	11.90	^(*) 12.30	^(*) 12.60	^(x) 12.96		
Philippines	36.85	37.90	38.99	40.12	41.30	42.52	43.75	45.03	46.35		
Singapore	2.07	2.11	2.15	2.19	2.22	2.25	2.28	2.31	2.33	⁽³⁾ 2.36	⁽⁴⁾ 2.41
Thailand	36.37	37.49	38.59	39.69	40.78	41.87	42.96	44.04	45.10		

Source: Demographic Yearbook 1978, UN.

- (1) Statistical Yearbook Japan 1980, Bureau of Statistics, Office of the Prime Minister, Japan, Estimated Population on Oct. 1
- (2) Preliminary Report of the 1980 Population Census of Japan, Bureau of Statistics, Office of the Prime Minister, Japan, March 1981
- (3) Yearbook of Statistics Singapore 1978/79, Department of Statistics
- (4) Census of Population 1980 Singapore, Department of Statistics Singapore, Population on June 24th, 1980, January 1981
- (x) Estimates prepared by the Population Division of the United Nations
- (*) Provisional

Population by Age According to Sex (in thousand)

			Age (in years)									
	Year	Sex	All Ages	0	1—4	5—9	10—14	15—19	20—24	25—29	30—34	35—39
Indonesia ⁽¹⁾	1976	T	126,093	←	18,930	18,295	15,859	13,530	9,882	8,282	7,690	8,059
		M	62,357		9,621	9,309	8,104	6,592	4,771	3,853	3,646	3,885
		F	63,736		9,309	8,987	7,755	6,938	5,111	4,429	4,045	4,174
Japan ⁽²⁾	1980	T	116,916	1,576	6,984	10,030	8,943	8,228	7,808	9,069	10,781	9,211
		M	57,490	800	3,575	5,133	4,581	4,223	3,927	4,563	5,421	4,599
		F	59,426	776	3,409	4,897	4,363	4,005	3,881	4,506	5,360	4,612
Malaysia Peninsular Malaysia	1976	T	10,242	305	1,192	1,316	1,364	1,230	1,014	782	567	533
		M	5,147	157	609	669	696	624	504	384	281	265
		F	5,095	149	585	647	669	606	510	398	286	268
Sabah	1970	T	654	23	94	109	81	61	45	46	43	38
		M	340	12	48	56	42	30	23	24	23	21
		F	314	11	46	53	39	31	22	22	21	18
Sarawak	1970	T	887	27	122	149	108	90	70	59	49	45
		M	447	14	62	77	55	43	34	29	25	21
		F	440	13	60	73	52	47	37	30	25	23
Philippines	1976	T	43,751	←	7,019	6,147	5,602	5,101	4,221	3,283	2,552	2,111
		M	21,872		3,638	3,125	2,851	2,586	2,065	1,588	1,231	1,023
		F	21,879		3,380	3,022	2,751	2,515	2,156	1,695	1,320	1,088
Singapore ⁽³⁾	1980	T	2,414	37	157	224	236	287	296	254	211	136
		M	1,232	19	82	116	121	148	153	129	107	69
		F	1,182	17	75	108	115	139	143	124	104	67
Thailand	1977	T	44,039	←	6,737	6,402	5,709	4,827	4,073	3,484	2,789	2,104
		M	22,125		3,428	3,257	2,904	2,450	2,071	1,772	1,418	1,049
		F	21,914		3,309	3,145	2,805	2,377	2,002	1,712	1,371	1,055

Source: Demographic Yearbook 1978, UN

(1) 1976 Intercensal Population Survey, Tabulation Series No. 2, Biro Pusat Statistik, 1977

(2) Preliminary Report of the 1980 Population Census of Japan, Bureau of Statistics, Office of the Prime Minister, Japan, March 1981

(3) Census of Population 1980 Singapore, Department of Statistics, Singapore, January 1981

Population by Age According to Sex (in thousand)

			Age (in years)								Age N. SP
	Year	Sex	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & +	
Indonesia ⁽¹⁾	1976	T	6,359	5,586	4,273	3,173	2,507	1,472	1,125	1,028	43
		M	3,148	2,875	2,081	1,583	1,189	677	513	481	28
		F	3,210	2,711	2,192	1,590	1,318	795	611	546	15
Japan ⁽²⁾	1980	T	8,318	8,089	7,155	5,630	4,467	3,937	2,994	3,642	54
		M	4,142	4,051	3,509	2,516	1,952	1,727	1,305	1,431	36
		F	4,176	4,038	3,646	3,114	2,516	2,210	1,689	2,212	17
Malaysia											
Peninsular Malaysia	1976	T	431	371	305	262	204	166	99	101	
		M	210	184	149	130	104	83	52	42	
		F	221	187	156	132	100	82	47	54	
Sabah	1970	T	29	24	18	14	9		13		8
		M	16	13	10	8	5	←	7	→	4
		F	13	11	8	6	4		6		4
Sarawak	1970	T	39	33	31	21	19	10	8	7	
		M	19	16	16	11	10	6	4	3	
		F	20	16	15	9	9	5	4	4	
Philippines	1976	T	1,894	1,518	1,270	1,004	773	561	334	361	
		M	931	744	615	488	377	277	161	170	
		F	963	774	655	516	395	284	173	191	
Singapore ⁽³⁾	1980	T	131	107	93	71	60	49	33	31	
		M	66	55	48	37	30	24	15	12	
		F	65	52	45	34	30	26	18	19	
Thailand	1977	T	1,780	1,597	1,324	1,036	770	575	832		
		M	867	776	644	498	366	269	← 356	→	
		F	913	821	680	538	404	306	476		

Population by Urban and Rural According to Sex

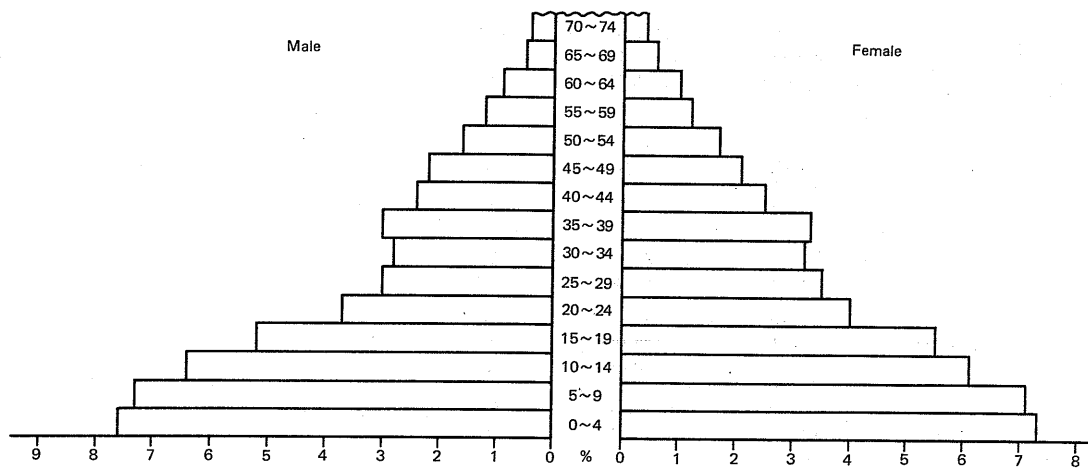
	Year	Sex	Urban	Rural	Urban Pop./Total Pop. (%)	
Indonesia⁽¹⁾	1976	T	23,329,864	102,763,317	18.5	
		M	11,590,477	50,766,806	18.6	
		F	11,739,387	51,996,511	18.4	
Japan	1975	T	84,967,269	26,972,374	75.9	
		M	42,018,790	13,071,883	76.3	
		F	42,948,479	13,900,491	75.6	
Malaysia						
Peninsular Malaysia	1970	T	2,524,994	6,255,734	28.8	
		M	1,270,663	3,142,405	28.8	
		F	1,254,331	3,113,329	28.7	
Sabah	1970	T	145,104	508,570	22.2	
		M	77,731	262,202	22.9	
		F	67,373	246,368	21.5	
Sarawak	1970	T	148,590	738,702	16.7	
		M	74,660	372,463	16.7	
		F	73,930	366,239	16.8	
Philippines	1970	T	11,677,820	25,006,666	31.8	
		M	5,673,570	12,576,781	31.1	
		F	6,004,250	12,429,885	32.6	
Singapore⁽²⁾	1980	T	2,413,945			
		M	1,231,760			
		F	1,182,185			
Thailand	1970	T	4,553,100	29,844,274	13.2	
		M	2,257,068	14,866,794	13.2	
		F	2,296,032	14,977,480	13.3	

Source: Demographic Yearbook 1978, UN

(1) 1976 Intercensal Population Survey, Tabulation Series Number 2, Biro Pusat Statistik, December 1977

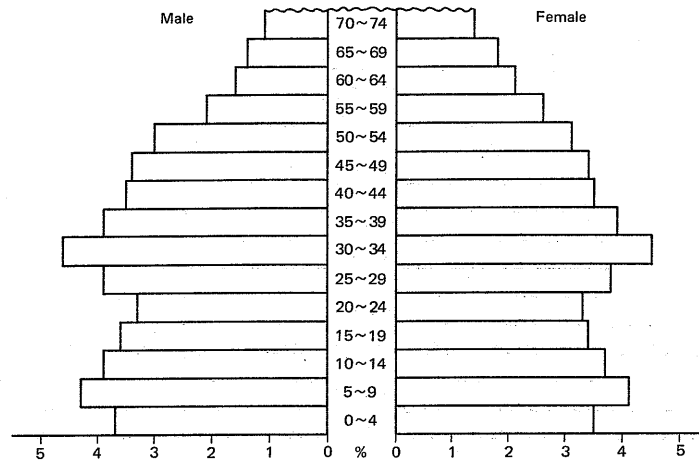
(2) Census of Population 1980 Singapore, Department of Statistics, Singapore, January 1981

Population Pyramid (1)



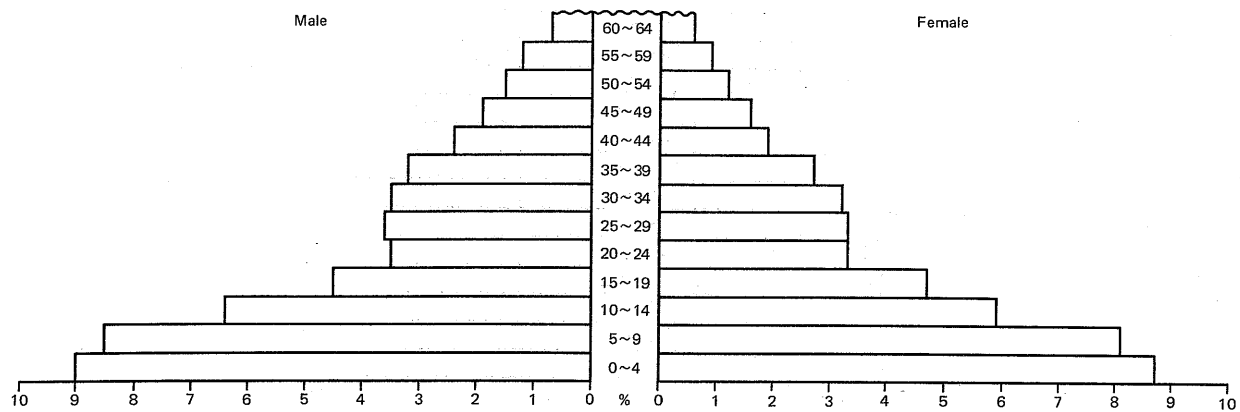
Indonesia '76

Population Pyramid (1)



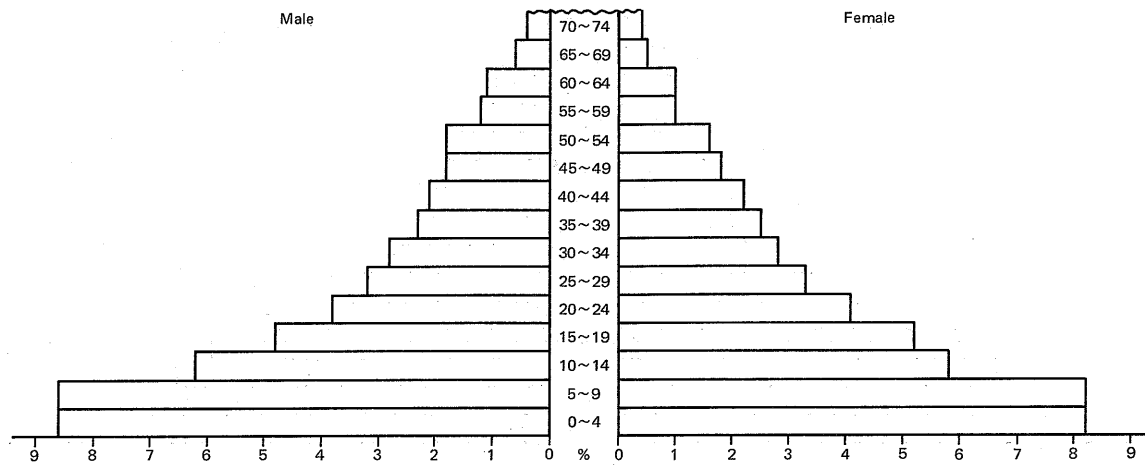
Japan '80

Population Pyramid (2)



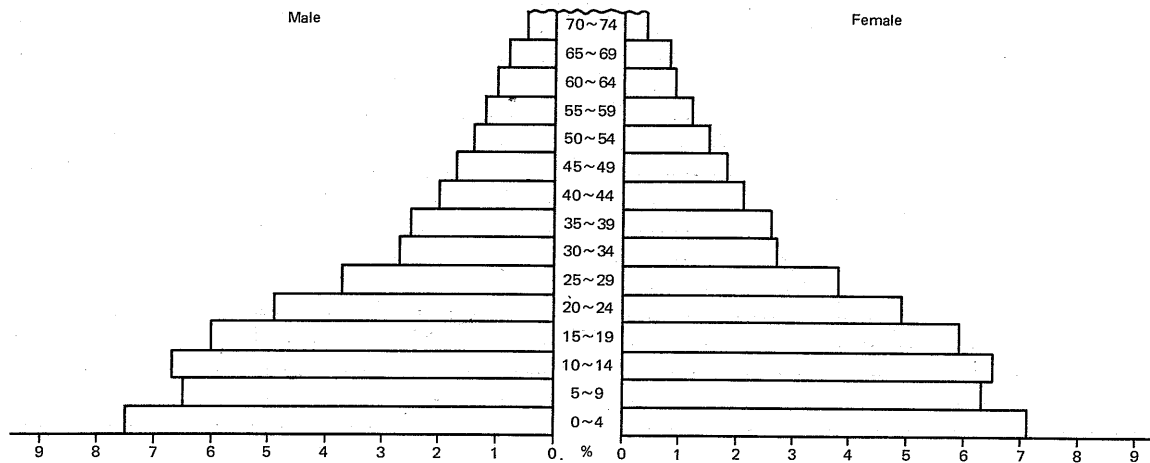
Malaysia, Sabah '70

Population Pyramid (2)



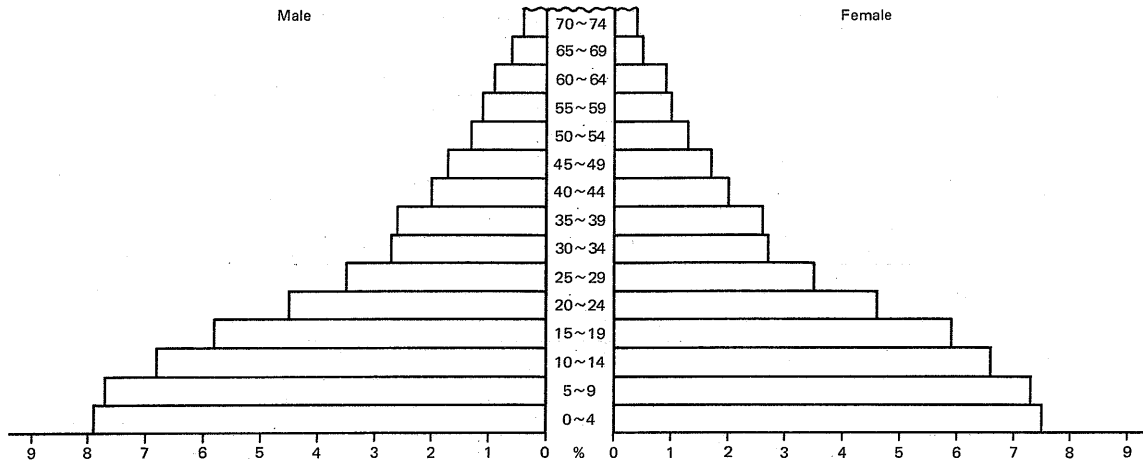
Malaysia, Sarawak '70

Population Pyramid (3)



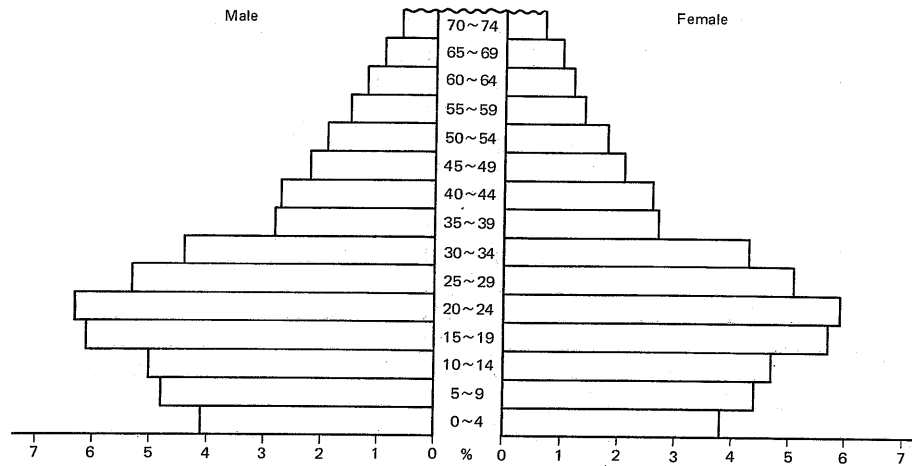
Malaysia, Peninsular Malaysia '74

Population Pyramid (3)



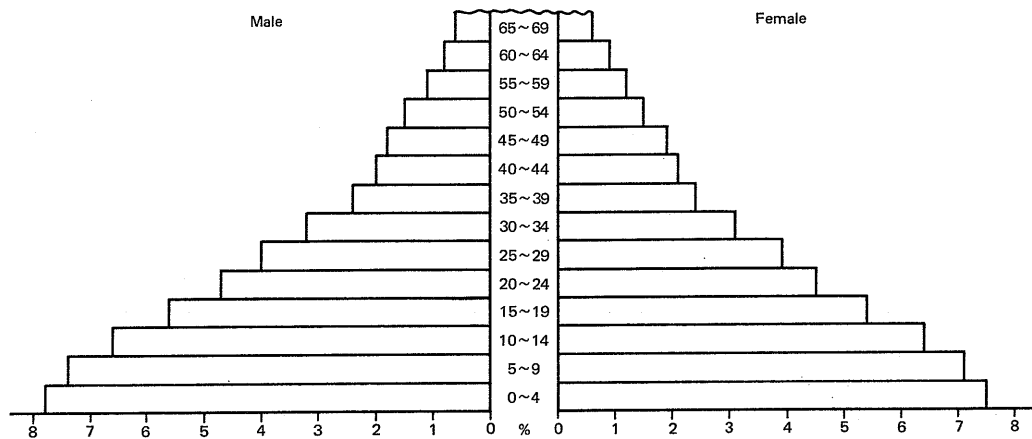
Philippines '75

Population Pyramid (4)



Singapore '80

Population Pyramid (4)



Thailand '77

**NUMBER OF DEATH AND DEATH RATE BY
ALL CAUSES**

Number of Deaths and Death Rate by All Causes (age groups) (1)

			Death Rates Specific for Sex and Age, per 100,000 Population (Infant Mortality per 100,000 Live-Born)											
			All Ages		0		1-4		5-14		15-24		25-34	
	Year	Sex	N	R	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T M F	695,821 375,625 320,196	607.6 666.5 550.6	14,327 8,216 6,111	838.5 934.5 736.7	5,282 3,068 2,214	70.6 79.9 60.8	4,743 3,008 1,735	25.9 32.0 19.4	9,803 7,003 2,800	61.4 86.4 35.7	16,279 10,224 6,055	82.2 102.9 61.3
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	299,861 170,278 129,583	685.4 783.1 588.8	74,792 43,295 31,497	5688.2 6322.4 4999.0	39,458 21,007 18,451	683.2 716.6 648.8	16,758 9,408 7,350	145.1 159.3 130.2	14,901 9,237 5,664	180.2 229.5 133.5	15,383 9,448 5,935	247.6 313.0 185.8
Singapore	1977	T M F	11,952 6,962 4,990	517.8 591.7 441.0	472 290 182	1230.3 1456.0 986.7	127 67 60	72.4 74.0 70.8	175 98 77	35.6 38.8 32.2	415 273 142	74.8 95.9 52.6	391 260 131	105.8 139.1 71.8
Thailand	1978	T M F	233,216 133,975 99,241	518.5 592.9 443.4	29,221 17,874 11,337	2651.6 3156.4 2117.7	16,235 8,658 7,577	288.9 303.0 274.3	15,183 8,213 6,970	124.2 132.1 116.0	18,512 11,772 6,740	201.9 252.7 149.4	15,567 10,065 5,502	240.5 305.9 172.9

Source: World Health Statistics Annual, 1979, 1980, WHO.

Number of Deaths and Death Rate by All Causes (age groups) (2)

	Year	Sex	Death Rates Specific of Sex and Age, per 100,000 Population (Infant Mortality per 100,000 Live-Born)											
			35—44		45—54		55—64		65—74		75 & +		AGE	
			N	R	N	R	N	R	N	R	N	R	N.	SP.
Indonesia		T M F												
Japan	1978	T M F	29,374 19,098 10,276	169.5 220.5 118.5	57,853 37,474 20,379	396.5 520.9 275.5	85,868 51,052 34,816	912.6 1238.5 658.5	170,299 99,216 71,083	2600.4 3417.7 1950.2	301,662 136,981 164,681	9039.9 10385.2 8160.6	331 285 46	
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	18,347 11,253 7,094	446.1 547.2 345.0	20,521 12,787 7,734	756.5 974.2 552.4	28,292 16,880 11,412	1405.7 1837.2 1043.3	69,785 35,962 33,823	4691.1 4565.4 4832.5			1,624 1,001 623	
Singapore	1977	T M F	594 377 217	229.7 290.0 168.7	1,247 846 401	661.5 846.8 452.6	2,388 1,549 839	1844.0 2322.3 1336.0	6,062 3,137 2,925	6129.4 7113.4 5337.6				
Thailand	1978	T M F	17,995 11,052 6,943	443.3 549.9 338.8	22,880 13,944 8,936	767.3 962.3 582.9	26,125 15,762 10,363	1396.3 1763.1 1060.7	30,800 17,135 13,665	4477.4 5107.3 3974.8	34,480 15,909 18,571	4477.4 5107.3 3974.8	6,228 3,591 2,637	

DEATHS ACCORDING TO CAUSE, BY SEX
ICD “A” LIST

Number of Deaths and Death Rate by Causes (A150, I–XVII) (1)

	Year	Sex	I (A1–A44)		II (A45–A61)		III (A62–A66)		IV (A67 & A68)		V (A69–A71)		VI (A72–A79)	
			Infective and Parasitic Diseases		Neoplasms (Total)		Endocrine, Nutritional and Metabolic Diseases		Diseases of Blood and Bloodforming Organs		Mental Disorders		Diseases of the Nervous System and Sense Organs	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	13,766	12.0	156,522	136.7	11,093	9.7	2,118	1.8	2,719	2.4	6,082	5.3
		M	8,678	15.4	88,958	157.8	5,286	9.4	951	1.7	1,466	2.6	3,358	6.0
		F	5,088	8.7	67,564	116.2	5,807	10.0	1,167	2.0	1,253	2.2	2,724	4.7
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T	68,751	157.1	13,849	31.7	12,724	29.1	2,013	4.6	437	1.0	4,898	11.2
		M	39,797	183.0	7,299	33.6	6,631	30.5	1,054	4.8	280	1.3	2,748	12.6
		F	28,954	131.6	6,550	29.8	6,093	27.7	959	4.4	157	0.7	2,150	9.8
Singapore	1977	T	523	22.7	2,326	100.8	429	18.6	50	2.2	12	0.5	110	4.8
		M	359	30.5	1,419	120.6	174	14.8	20	1.7	1	0.1	59	5.0
		F	164	14.5	907	80.2	255	22.5	30	2.7	11	1.0	51	4.5
Thailand	1978	T	26,075	58.0	8,296	18.4	2,432	5.4	479	1.1	522	1.2	4,745	10.6
		M	15,365	68.0	4,591	20.3	1,215	5.4	252	1.1	443	2.0	2,834	12.5
		F	10,710	47.9	3,705	16.6	1,217	5.4	227	1.0	79	0.4	1,911	8.5

Source: World Health Statistics Annual, 1979, 1980, WHO

Number of Deaths and Death Rate by Causes (A150, I–XVII) (2)

	Year	Sex	VII (A80–A88)		VIII (A89–A96)		IX (A97–A104)		X (A105–A111)		XI (A112–A118)		XII (A119&A120)	
			Diseases of the Circulatory System		Diseases of the Respiratory System		Diseases of the Digestive System		Diseases of Genito-Urinary System		Complications of Pregnancy Childbirth, etc.		Diseases of the Skin and Subcutaneous Tissue	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T M F	299,845 151,651 148,194	261.8 269.1 254.9	49,452 28,454 20,998	43.2 50.5 36.1	38,144 23,116 15,028	33.3 41.0 25.8	11,189 5,564 5,625	9.8 9.9 9.7			875 349 526	0.8 0.6 0.9
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	41,134 22,802 18,332	94.0 104.9 83.3	64,086 34,994 29,092	146.5 160.9 132.2	12,111 8,370 3,741	27.7 38.5 17.0	5,805 3,208 2,597	13.3 14.8 11.8			912 485 427	2.1 2.2 1.9
Singapore	1977	T M F	3,889 2,175 1,714	168.5 184.8 151.5	1,902 1,113 789	82.4 94.6 69.7	382 253 129	16.5 21.5 11.4	324 170 154	14.0 14.4 13.6			13 6 7	0.6 0.5 0.6
Thailand	1978	T M F	11,377 6,976 4,401	25.3 30.9 19.7	23,330 13,332 9,998	51.9 59.0 44.7	10,705 7,050 3,655	23.8 31.2 16.3	2,531 1,355 1,176	5.6 6.0 5.3			145 88 57	0.3 0.4 0.3

Number of Deaths and Death Rate by Causes (A150, I–XVII) (3)

	Year	Sex	XIII(A121–A125)		XIV(A126–A130)		XV(A131–A135)		XVI(A136 & A137)		XVII(AE138–AE150)			
			Diseases of the Musculoskeletal System & Connective Tissue		Congenital Anomalies		Certain Causes of Perinatal Mortality		Symptoms and ill-Defined Conditions		Accidents, Poisonings and Violence			
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T M F	4,008 962 3,046	3.5 1.7 5.2	5,551 3,010 2,541	4.8 5.3 4.4	6,629 3,886 2,743	5.8 6.9 4.7	34,364 13,598 20,766	30.0 24.1 35.7	53,086 36,338 16,748	46.4 64.5 28.8		
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	723 446 277	1.7 2.1 1.3	3,449 1,975 1,474	7.9 9.1 6.7	18,779 11,115 7,664	42.9 51.1 34.8	30,804 15,797 15,007	70.4 72.6 68.2	17,524 13,277 4,247	40.1 61.1 19.3		
Singapore	1977	T M F	36 8 28	1.6 0.7 2.5	141 84 57	6.1 7.1 5.0	245 150 95	10.6 12.7 8.4	650 309 341	28.2 26.3 30.1	914 662 252	39.6 56.3 22.3		
Thailand	1978	T M F	50 26 24	0.1 0.1 0.1	840 380 460	1.9 1.7 2.1	3,663 2,348 1,315	8.1 10.4 5.9	109,407 57,051 52,356	243.3 252.5 233.9	27,313 20,669 6,664	60.7 91.5 29.7		

Number of Deaths and Death Rate by Causes (A 150) (1)

					A2		A5		A6		A7-A10		A20	
			All Causes		Typhoid Fever		Enteritis and Other Diarrhoeal Diseases		T.B. of Respiratory System		T.B., Other Forms		Tetanus	
	Year	Sex	Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	695,821	607.6	1	0.0	2,317	2.0	7,917	6.9	344	0.3	63	0.1
		M	375,625	666.5	—	—	962	1.7	5,780	10.3	169	0.3	36	0.1
		F	320,196	550.6	1	0.0	1,355	2.3	2,137	3.7	175	0.3	27	0.0
Malaysia														
Malaysia														
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T	299,861	685.4	665	1.5	15,529	35.5	29,390	67.2	1,996	4.6	4,114	9.4
		M	170,278	783.1	418	1.9	8,812	40.5	17,074	78.5	1,121	5.2	2,531	11.6
		F	129,583	588.8	247	1.1	6,717	30.5	12,316	56.0	875	4.0	1,583	7.2
Singapore	1977	T	11,952	517.8	4	0.2	57	2.5	293	12.7	47	2.0	3	0.1
		M	6,962	591.7	4	0.3	26	2.2	229	19.5	34	2.9	2	0.2
		F	4,990	441.0	0	—	31	2.7	64	5.7	13	1.1	1	0.1
Thailand	1978	T	233,216	518.5	519	1.2	7,427	16.5	6,614	14.7	140	0.3	1,539	3.4
		M	133,975	592.9	297	1.3	4,305	19.1	4,148	18.4	84	0.4	916	4.1
		F	99,241	443.4	222	1.0	3,122	13.9	2,466	11.0	56	0.3	623	2.8

Source: World Health Statistics Annual 1979, 1980 WHO

Number of Deaths and Death Rate by Causes (A 150) (2)

	Year	Sex	A25		A28		Other		A45		A46		A47	
			Measles		Infectious Hepatitis				Malignant Neoplasm of Buccal Cavity and Pharynx		Malignant Neoplasm of Oesophagus		Malignant Neoplasm of Stomach	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T M F	181 100 81	0.2 0.2 0.1	984 562 422	0.9 1.0 0.7	1,959 1,069 890	1.7 1.9 1.5	1,551 1,052 499	1.4 1.9 0.9	5,325 4,130 1,195	4.7 7.3 2.1	49,564 30,136 19,428	43.3 53.5 33.4
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	5,060 2,644 2,416	11.6 12.2 11.0	772 505 267	1.8 2.3 1.2	11,225 6,692 4,533	25.7 30.8 20.6	1,005 577 428	2.3 2.7 1.9	167 94 73	0.4 0.4 0.3	1,236 699 537	2.8 3.2 2.4
Singapore	1977	T M F	6 2 4	0.3 0.2 0.4	7 5 2	0.3 0.4 0.2	106 57 49	4.6 4.8 4.3	172 126 46	7.5 10.7 4.1	124 88 36	5.4 7.5 3.2	364 238 126	15.8 20.2 11.1
Thailand	1978	T M F	96 39 57	0.2 0.2 0.3	6 2 4	0.0 0.0 0.0	9,734 5,574 4,160	21.6 24.7 18.6	404 258 146	0.9 1.1 0.7	147 111 36	0.3 0.5 0.2	275 178 97	0.6 0.8 0.4

Number of Deaths and Death Rate by Causes (A 150) (3)

	Year	Sex	A48		A49		A50		A51		A52		A53	
			Malignant Neoplasm of Intestine, Except Rectum	Number Rate	Malignant Neoplasm of Rectum and Rectosigmoid Junction	N R	Indonesia Neoplasm of Larynx	N R	Malignant Neoplasm of Trachea, Bronchus and Lung	N R	Malignant Neoplasm of Bone	N R	Malignant Neoplasm of Skin	N R
Indonesia		T M F												
Japan	1978	T	7,411	6.5	6,402	5.6	873	0.8	18,530	16.2	670	0.6	748	0.7
		M	3,515	6.2	3,504	6.2	766	1.4	13,417	23.8	370	0.7	395	0.7
		F	3,896	6.7	2,898	5.0	107	0.2	5,113	8.8	300	0.5	353	0.6
Malaysia														
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T	588	1.3	167	0.4	116	0.3	1,257	2.9	456	1.0	189	0.4
		M	310	1.4	97	0.4	77	0.4	882	4.1	259	1.2	117	0.5
		F	278	1.3	70	0.3	39	0.2	375	1.7	197	0.9	72	0.2
Singapore	1977	T	126	5.5	87	3.8	31	1.3	508	22.0	11	0.5	6	0.3
		M	65	5.5	56	4.8	27	2.3	376	32.0	7	0.6	1	0.1
		F	61	5.4	31	2.7	4	0.4	132	11.7	4	0.4	5	0.4
Thailand	1978	T	362	0.8	10	0.0	29	0.1	742	1.6	126	0.3	27	0.1
		M	206	0.9	9	0.0	23	0.1	542	2.4	67	0.3	14	0.1
		F	156	0.7	1	0.0	6	0.0	200	0.9	59	0.3	13	0.1

Number of Deaths and Death Rate by Causes (A 150) (4)

			A54		A55		A56		A57		A58		A59		
			Malignant Neoplasm of Breast		Malignant Neoplasm of Cervix Uteri		Other Malignant Neoplasm of Uterus		Malignant Neoplasm of Prostate		Malignant Neoplasm of Other & Unspecified Sites		Leukaemia		
	Year	Sex	Number	Rate	N	R	N	R	N	R	N	R	N	R	
Indonesia		T M F													
Japan	1978	T M F	3,788 33 3,755	3.3 0.1 6.5		1,701 2.9		4,009 6.9		1,499 2.7		39,551 21,655 17,896	34.5 38.4 30.8	4,354 2,505 1,849	3.8 4.4 3.2
Malaysia															
Peninsular Malaysia		T M F													
Sabah		T M F													
Sarawak		T M F													
Philippines	1976	T M F	811 37 774	1.9 0.2 3.5	202 202	0.9		628 2.9		171 0.8		4,662 2,807 1,855	10.7 12.9 8.4	1,139 622 517	2.6 2.9 2.3
Singapore	1977	T M F	87 1 88	3.9 0.1 7.8		65 5.7		24 2.1		18 1.5		545 337 208	23.6 28.6 18.4	66 37 29	2.9 3.1 2.6
Thailand	1978	T M F	145 — 145	0.3 — 0.6		136 0.6		423 1.9		14 0.1		5,132 2,975 2,157	11.4 13.2 9.6	188 96 92	0.4 0.4 0.4

Number of Deaths and Death Rate by Causes (A 150) (5)

	Year	Sex	A60		A61		A64		A65		Other		A67	
			Other Neoplasms of Lymphatic and Haemtopoietic Tissue		Benign Neoplasms and Neoplasms of Unspecified Nature		Diabetes Mellitus		Avitaminoses and Other Nutritional Deficiency				Anaemias	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T M F	4,360 2,653 1,707	3.8 4.7 2.9	6,186 3,328 2,858	5.4 5.9 4.9	9,685 4,632 5,053	8.5 8.2 8.7	465 240 225	0.4 0.4 0.4	943 414 529	0.8 0.7 0.9	1,445 622 823	1.3 1.1 1.4
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	379 226 153	0.9 1.0 0.7	676 324 352	1.5 1.5 1.6	1,286 617 669	2.9 2.8 3.0	11,113 5,869 5,244	25.4 27.0 23.8	325 145 180	0.7 0.7 0.8	1,662 856 806	3.8 3.9 3.7
Singapore	1977	T M F	50 24 26	2.2 2.0 2.3	40 18 22	1.7 1.5 1.9	377 152 225	16.3 12.9 19.9	26 9 17	1.1 0.8 0.5	26 13 13	1.1 1.1 1.1	43 14 29	1.9 1.2 2.6
Thailand	1978	T M F	131 96 35	0.3 0.4 0.2	5 2 3	0.0 0.0 0.0	1,102 522 580	2.5 2.3 2.6	1,273 668 605	2.8 3.0 2.7	57 35 32	0.1 0.1 0.1	396 207 189	0.9 0.9 0.8

Number of Deaths and Death Rate by Causes (A 150) (6)

			A68		A69		A70		A71		A72		A73	
			Other Diseases of Blood and Blood- Forming Organs		Psychoses		Neuroses Personality Disorders and Other Nonpsychotic Mental Disorders		Mental Retardation		Meningitis		Multiple Sclerosis	
	Year	Sex	Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T M F	673 329 344	0.6 0.6 0.6	1,742 679 1,063	1.5 1.2 1.8	917 752 165	0.8 1.3 0.3	60 35 25	0.1 0.1 0.0	895 527 368	0.8 0.9 0.6	78 31 47	0.1 0.1 0.1
Malaysia														
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	351 198 153	0.8 0.9 0.7	184 92 92	0.4 0.4 0.4	237 179 58	0.5 0.8 0.3	16 9 7	0.0 0.0 0.0	2,809 1,542 1,267	6.4 7.1 5.8	14 11 3	0.0 0.1 0.0
Singapore	1977	T M F	7 6 1	0.3 0.5 0.1	6 6 6	0.3 0.5 0.5			6 1 5	0.3 0.1 0.4	23 14 9	1.0 1.2 0.8	1 1 1	0.0 0.1 0.1
Thailand	1978	T M F	83 45 38	0.2 0.2 0.2	28 20 8	0.1 0.1 0.1	494 423 71	1.1 1.9 0.3	— — —	— — —	864 508 356	1.9 2.2 1.6	2 2 —	0.0 0.0 —

Number of Deaths and Death Rate by Causes (A 150) (7)

			A74		Other		A80		A81		A82		A83	
			Epilepsy				Active Rheumatic Fever		Chronic Rheumatic Heart Disease		Hypertensive Disease		Ischaemic Heart Disease	
	Year	Sex	Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	682	0.6	4,427	3.9	269	0.2	3,619	3.2	18,779	16.4	45,620	39.8
		M	381	0.7	2,419	4.3	114	0.2	1,435	2.5	8,062	14.3	25,187	44.7
		F	301	0.5	2,008	3.5	155	0.3	2,184	3.8	10,717	18.4	20,433	38.1
Malaysia														
Peninsular Malaysia		T												
		M												
		F												
Sabah		T												
		M												
		F												
Sarawak		T												
		M												
		F												
Philippines	1976	T	647	1.5	1,428	3.3	64	0.1	2,353	5.4	8,369	19.1	13,804	31.6
		M	302	1.8	803	3.7	30	0.1	1,060	4.9	4,752	21.9	8,097	37.2
		F	255	1.2	625	2.8	34	0.2	1,293	5.9	3,617	16.4	5,707	25.9
Singapore	1977	T	9	0.4	77	3.3			101	4.4	260	11.3	1,662	72.0
		M	5	0.4	40	3.4			57	4.8	110	9.3	1,061	90.2
		F	4	0.4	37	3.3			44	3.9	150	13.3	601	53.1
Thailand	1978	T	211	0.5	3,668	8.2	39	0.1	248	0.6	1,539	3.4	206	0.5
		M	131	0.6	2,193	9.7	9	0.0	130	0.6	916	4.1	125	0.6
		F	80	0.4	1,475	6.6	30	0.1	118	0.5	623	2.8	81	0.4

Number of Deaths and Death Rate by Causes (A 150) (8)

			A84		A85		A86		A87		A88		A89	
			Other Forms of Heart Disease		Cerebrovascular Disease		Diseases of Arteries, Arterioles and Capillaries		Venous Thrombosis and Embolism		Other Diseases of Circulatory System		Acute Respiratory Infections	
	Year	Sex	Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	57,547	50.3	167,452	146.2	5,584	4.9	247	0.2	728	0.6	3,711	3.2
		M	28,021	49.7	85,308	151.4	2,947	5.2	130	0.2	447	0.8	1,729	3.1
		F	29,526	50.8	82,144	141.3	2,637	4.5	117	0.2	281	0.5	1,982	3.4
Malaysia														
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T	8,595	19.6	4,991	11.4	2,101	4.8	335	0.8	522	1.2	3,773	8.6
		M	4,515	20.8	2,817	13.0	1,058	4.9	166	0.8	307	1.4	2,088	9.6
		F	4,080	18.5	2,174	9.9	1,043	4.7	169	0.8	215	1.0	1,685	7.7
Singapore	1977	T	403	17.5	1,360	58.9	71	3.1	16	0.7	16	0.7	5	0.2
		M	225	19.1	661	56.2	43	3.7	7	0.6	11	0.9	2	0.2
		F	178		699	61.8	28	2.5	9	0.8	5	0.4	3	0.3
Thailand	1978	T	5,307	11.8	3,790	8.4	15	0.0	5	0.0	228	0.5	14,992	33.3
		M	3,226	14.3	2,419	10.7	9	0.0	3	0.0	139	0.6	8,339	36.9
		F	2,081	9.3	1,371	6.1	6	0.0	2	0.0	89	0.4	6,653	29.7

Number of Deaths and Death Rate by Causes (A 150) (9)

			A90		A91 & A92		A93		Other		A98		A100	
			Infuenza		Pneumonia		Bronchitis, Emphysema and Asthma				Peptic Ulcer		Appendicitis	
	Year	Sex	Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	707	0.6	28,241	24.7	12,186	10.6	4,607	4.0	5,810	5.1	262	0.2
		M	368	0.7	15,653	27.8	7,623	13.5	3,081	5.5	3,641	6.5	127	0.2
		F	339	0.6	12,588	21.6	4,563	7.8	1,526	2.6	2,169	3.7	135	0.2
Malaysia														
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T	2,781	6.4	47,105	107.7	7,142	16.3	3,285	7.5	4,591	10.5	414	0.9
		M	1,438	6.6	25,746	118.4	4,005	18.4	1,717	7.9	3,157	14.5	243	1.1
		F	1,343	6.1	21,359	97.1	3,137	14.3	1,568	7.1	1,434	6.5	171	0.8
Singapore	1977	T	11	0.5	1,215	52.6	254	11.0	417	18.1	77	3.3	8	0.3
		M	2	0.2	656	55.7	158	14.3	285	24.2	49	4.2	5	0.4
		F	9	0.8	559	49.4	86	7.6	132	11.7	28	2.5	3	0.3
Thailand	1978	T	871	1.9	5,308	11.8	1,240	2.8	919	2.8	1,233	2.7	181	0.4
		M	454	2.0	3,201	14.2	768	3.4	570	3.4	881	3.9	102	0.5
		F	417	1.9	2,107	9.4	472	2.1	349	2.1	352	1.6	79	0.4

Number of Deaths and Death Rate by Causes (A 150) (10)

	Year	Sex	A101		A102		A103		Other		A106		A107	
			Intestinal Obstruction and Hernia		Cirrhosis of Liver		Cholelithiasis and Cholecystitis				Other Nephritis and Nephrosis		Infections of Kidney	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	2,477	2.2	16,007	14.0	2,691	2.3	10,827	9.5	5,499	4.8	1,468	1.3
		M	1,204	2.1	11,678	20.7	1,080	1.9	5,386	9.6	2,754	4.9	435	0.8
		F	1,273	2.2	4,399	7.6	1,611	2.8	5,441	9.4	2,745	4.7	1,033	1.8
Malaysia														
Peninsular Malaysia		T												
		M												
		F												
Sabah		T												
		M												
		F												
Sarawak		T												
		M												
		F												
Philippines	1976	T	1,566	3.6	1,823	4.2	116	0.3	3,601	8.2	3,309	7.6	550	1.3
		M	1,037	4.8	1,429	6.6	60	0.3	2,444	11.2	1,812	8.3	299	1.4
		F	529	2.4	394	1.8	56	0.3	1,157	5.3	1,497	6.8	251	1.1
Singapore	1977	T	25	1.1	122	5.3	13	0.6	137	5.9	237	10.3	10	0.4
		M	14	1.2	94	8.0	7	0.6	84	7.1	125	10.6	2	0.2
		F	11	1.0	28	2.5	6	0.5	53	4.7	112	9.9	8	0.7
Thailand	1978	T	291	0.6	1,684	3.7	195	0.4	7,121	15.8	1,792	4.0	11	0.0
		M	189	0.8	1,198	5.3	126	0.6	4,554	20.2	1,002	4.4	8	0.0
		F	102	0.5	486	2.2	69	0.3	2,567	11.5	790	3.5	3	0.0

Number of Deaths and Death Rate by Causes (A 150) (11)

	Year	Sex	A109		Other		A121		Other		A126		A127	
			Hyperplasia of Prostate				Arthritis and Spondylitis				Spina Bifida		Congenital Anomalies of Heart	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T M F	622	1.1	3,600 1,753 1,847	3.1 3.1 3.2	2,571 593 1,978	2.2 1.1 3.4	1,437 369 1,068	1.3 0.7 1.8	83 44 39	0.1 0.1 0.1	3,109 1,651 1,458	2.7 2.9 2.5
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T M F	67	0.3	1,879 1,030 849	4.3 4.7 3.9	360 230 130	0.8 1.1 0.6	363 216 147	0.8 1.0 0.7	27 17 10	0.1 0.1 0.0	2,006 1,109 897	4.6 5.1 4.1
Singapore	1977	T M F	4	0.3	73 39 34	3.2 3.3 3.0	13 3 10	0.6 0.3 0.9	23 5 18	1.0 0.4 1.6	4 1 3	0.2 0.1 0.3	70 39 31	3.0 3.3 2.7
Thailand	1978	T M F	6	0.0	722 339 383	1.6 1.5 1.7	12 6 6	0.0 0.0 0.0	38 20 18	0.1 0.1 0.1	— — —	— — —	461 147 314	1.0 0.7 1.4

Number of Deaths and Death Rate by Causes (A 150) (12)

	Year	Sex	Other		A136		A137		AE138		AE139		AE140	
			Number	Rate	Senility without Mention of Psychosis		Symptoms and Other ill-defined Conditions		Motor Vehicle Accidents		Other Transport Accidents		Accidental Poisoning	
					N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	2,359	2.1	27,976	24.4	6,388	5.6	12,030	10.5	1,656	1.4	754	0.7
		M	1,315	2.3	9,907	17.6	3,691	6.5	9,118	16.2	1,360	2.4	474	0.8
		F	1,044	1.8	18,069	31.1	2,697	4.0	2,912	5.0	296	0.5	280	0.5
Malaysia		T M F												
Peninsular Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
Philippines	1976	T	1,416	3.2	12,023	27.5	18,781	42.9	1,759	4.0	80	0.2	243	0.6
		M	849	3.9	5,256	24.2	10,541	48.5	1,260	5.8	68	0.3	132	0.6
		F	567	2.6	6,767	30.7	8,240	37.4	499	2.3	12	0.1	111	0.5
Singapore	1977	T	71	3.1	566	24.5	84	3.6	264	11.4	39	1.7	7	0.3
		M	45	3.8	247	21.0	62	5.3	192	16.3	37	3.1	5	0.4
		F	26	2.3	319	28.2	22	1.9	72	6.4	2	0.2	2	0.2
Thailand	1978	T	379	0.8	45,943	102.2	63,464	141.1	6,421	14.3	204	0.5	283	0.6
		M	233	1.0	21,573	95.5	35,478	157.0	4,793	21.2	155	0.7	171	0.8
		F	146	0.7	24,370	108.9	27,986	125.0	1,628	7.3	49	0.2	112	0.5

Number of Deaths and Death Rate by Causes (A 150) (13)

			AE141		AE142		AE143		AE144		AE145		AE146	
			Accidental Falls		Accidents Caused by Fires		Accidental Drowning and Submersion		Accident Caused by Firearm Missiles		Accidents Mainly of Industrial Type		All Other Accidents	
	Year	Sex	Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1978	T	4,427	3.9	1,564	1.4	3,803	3.3	14	0.0	2,338	2.0	3,431	3.0
		M	3,011	5.3	920	1.6	2,808	5.0	14	0.0	2,009	3.6	2,335	4.1
		F	1,416	2.4	644	1.1	995	1.7	—	—	329	0.6	1,096	1.9
Malaysia														
Peninsular Malaysia		T												
		M												
		F												
Sabah		T												
		M												
		F												
Sarawak		T												
		M												
		F												
Philippines	1976	T	638	1.5	393	0.9	1,970	4.5	—	—	459	1.0	5,014	11.5
		M	491	2.3	213	1.0	1,359	6.2	—	—	376	1.7	3,481	16.0
		F	147	0.7	180	0.8	611	2.8	—	—	83	0.4	1,533	7.0
Singapore	1977	T	64	2.8	7	0.3	60	2.6	2	0.1	41	1.8	19	0.8
		M	57	4.8	2	0.2	53	4.5	2	0.2	35	3.0	10	0.8
		F	7	0.6	5	0.4	7	0.6			6	0.5	9	0.8
Thailand	1978	T	308	0.7	282	0.6	2,477	5.5	411	0.9	799	1.8	4,462	9.9
		M	221	1.0	156	0.7	1,569	6.9	359	1.6	626	2.8	3,237	14.3
		F	87	0.4	126	0.6	908	4.1	52	0.2	173	0.8	1,225	5.5

Number of Deaths and Death Rate Causes (A 150) (14)

			AE147		AE148		AE149		AE150			
			Suicide and Self Inflicted Injury		Homicide & Injury Purposely Inflicted by Other Persons; Legal Intervention		Injury undetermined whether accidentally or purposely inflicted		Injury Resulting from Operations War			
	Year	Sex	Number	Rate	N	R	N	R	N	R		
Indonesia		T M F										
Japan	1978	T M F	20,199 12,409 7,790	17.6 22.0 13.4	1,306 754 552	1.1 1.3 0.9	1,557 1,119 438	1.4 2.0 0.8	7 7 —	0.0 0.0 —		
Malaysia		T M F										
Peninsular Malaysia		T M F										
Sabah		T M F										
Sarawak		T M F										
Philippines	1976	T M F	349 192 157	0.8 0.9 0.7	729 669 60	1.7 3.1 0.3	5,492 4,662 830	12.6 21.4 3.8	398 374 24	0.9 1.7 0.1		
Singapore	1977	T M F	224 129 95	9.7 11.0 8.4	38 29 9	1.6 2.5 0.8	149 111 38	6.5 9.4 3.6				
Thailand	1978	T M F	2,458 1,293 1,165	5.5 5.7 5.2	9,202 8,084 1,118	20.5 35.8 5.0	6 5 1	0.0 0.0 0.0	— — —	— — —		

Ten Leading Causes of Death (from "A" List) (1)

	Year	Sex	1	2	3	4	5
Indonesia		T M F					
Japan	1978	T M F	Disease of the Circulatory System	Neoplasmas	Accidents, Poisonings and Violence	Diseases of the Respiratory System	Diseases of the Digestive System
Malaysia							
Peninsular Malaysia		T M F					
Sabah		T M F					
Sarawak		T M F					
Philippines	1976	T M F	Infective and Parasitic Diseases	Diseases of the Respiratory System	Disease of the Circulatory System	Symptoms and Ill-Defined Conditions	Certain Causes of Perinatal Mortality
Singapore	1977	T M F	Diseases of the Circulatory System	Neoplasms	Diseases of the Respiratory System	Accidents, Poisonings and Violence	Infective and Parasitic Diseases
Thailand	1978	T M F	Symptoms and Ill-Defined Conditions	Accidents, Poisonings and Violence	Infective and Parasitic Diseases	Diseases of the Respiratory System	Disease of the Circulatory System

Ten Leading Causes of Death (from "A" List) (2)

	Year	Sex	6	7	8	9	10
Indonesia		T M F					
Japan	1978	T M F	Symptoms and Ill-Defined Conditions	Infective and Parasitic Diseases	Diseases of Genito-Urinary System	Endocrine, Nutritional and Metabolic Diseases	Certain Causes of Perinatal Mortality
Malaysia							
Peninsular Malaysia		T M F					
Sabah		T M F					
Sarawak		T M F					
Philippines	1976	T M F	Accidents, Poisonings and Violence	Neoplasms	Endocrine, Nutritional and Metabolic Diseases	Diseases of the Digestive System	Diseases of Genito-Urinary System
Singapore	1977	T M F	Endocrine, Nutritional and Metabolic Diseases	Diseases of the Digestive System	Diseases of the Genito-Urinary System	Certain Causes of Perinatal Mortality	Congenital Anomalies
Thailand	1978	T M F	Diseases of the Digestive System	Neoplasms	Diseases of the Nervous System and Sense Organs	Certain Causes of Perinatal Mortality	Diseases of Genito-Urinary System

DEATHS ACCORDING TO CAUSE, BY SEX
ICD “B” LIST

Number of Death and Death Rate by Causes (B50) (1)

	Year	Sex	All Causes		B1		B2		B3		B4		B5	
					Cholera		Typhoid Fever		Bacillary Dysentery and Amoebiasis		Enteritis and Other Diarrhoeal Diseases		Tuberculosis of Respiratory System	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F	690,074	608.0		0.0		0.0		0.0		2.1		7.4
				666.3		0.0		0.0		0.0		1.8		10.9
				551.5				0.0		0.0		2.4		4.0
Malaysia														
Peninsular Malaysia ⁽²⁾	1975	T M F	23,339	233.5	4	0.0	21	0.2	22	0.2	571	5.7	788	7.9
			14,657	289.9	3	0.1	12	0.2	13	0.3	328	6.5	646	12.9
			8,682	174.6	1	0.0	9	0.2	9	0.2	243	4.9	142	2.9
Sabah ⁽³⁾	1975	T M F	2,048				3		1		115		90	
			1,226				3				61		59	
									1		54		31	
Sarawak ⁽⁴⁾	1975	T M F	4,574 ^{(6)†}		1		10		3 ^{(6)†}		16 ^{(6)†}		29	
					1		8						24	
							2						5	
Philippines ⁽⁵⁾	1974	T M F	283,975	687.6	347	0.8	563	1.4	646	1.6	3,982	9.6	28,621	69.3
Singapore ⁽⁵⁾	1976	T M F	11,648	511.3					2	0.1	65	2.9	312	13.7
Thailand ⁽⁶⁾	1976	T M F	237,062	551.8					9	0.0	5,850	13.6	6,473	15.1

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source; Same as the Above

Number of Death and Death Rate by Causes (B50) (2)

	Year	Sex	B6		B7		B8		B9		B10		B11	
			Other Tuberculosis, Including Late Effects		Plague		Diphtheria		Whooping Cough		Streptococcal Sore Throat and Scarlet Fever		Meningococcal Infection	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F		0.3 0.4 0.3				0.0 0.0 0.0		0.0 0.0 0.0				0.0 0.0 0.0
Malaysia														
Peninsular Malaysia ⁽²⁾	1975	T M F	43 27 16	0.4 0.5 0.3			25 12 13	0.3 0.2 0.3	1 1	0.0 0.0				
Sabah ⁽³⁾	1975	T M F	29 19 10				6 4 2							
Sarawak ⁽⁴⁾	1975	T M F	38 26 12				2 2				1 1			
Philippines ⁽⁵⁾	1974	T M F	2,409	5.8			519	1.3	58	0.1	4	0.0	153	0.4
Singapore ⁽⁵⁾	1976	T M F	46	2.0									1	0.0
Thailand ⁽⁶⁾	1976	T M F					832	1.9						

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source; Same as the Above

Number of Death and Death Rate by Causes (B50) (3)

	Year	Sex	B12		B13		B14		B15		B16		B17	
			Acute poliomyelitis		Smallpox		Measles		Typhus and other Rickettsioses		Malaria		Syphilis and its Seguelae	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F						0.1 0.1 0.1	0.0 0.0 0.0	0		0.0 0.0 0.0		0.2 0.3 0.1
Malaysia														
Peninsular Malaysia ⁽²⁾	1975	T M F					20 9 11	0.2 0.2 0.2			59 35 24	0.6 0.7 0.5	5 3 2	0.1 0.1 0.0
Sabah ⁽³⁾	1975	T M F					1 1				54 32 22		2 2	
Sarawak ⁽⁴⁾	1975	T M F					2 2				1 1		1 1	
Philippines ⁽⁵⁾	1974	T M F	192	0.5			3,533	8.6	9	0.0	938	2.3	6	0.0
Singapore ⁽⁵⁾	1976	T M F					3	0.1			4	0.2	8	0.4
Thailand ⁽⁶⁾	1976	T M F									4,919	11.5		

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source: Same as the Above

Number of Death and Death Rate by Causes (B50) (4)

	Year	Sex	B18		B19		B20		B21		B22		B23	
			All Other Infective and Parasitic Diseases		Malignant Neoplasms, inc. N. of Lymphatic & Haematopoietic Tissue		Benign Neoplasms and Neoplasms of Unspecified Nature		Diabetes Mellitus		Avitaminoses and Other Nutritional Deficiency		Anaemias	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F		2.3 2.5 2.1		128.4 148.7 108.8		5.5 6.0 4.9		8.4 8.1 8.6		0.4 0.4 0.4		1.2 1.2 1.3
Malaysia														
Peninsular Malaysia ⁽²⁾	1975	T M F	807 472 335	8.1 9.4 6.7	2,027 1,219 808	20.3 24.3 16.3	88 54 34	0.9 1.1 0.7	35.0 184 150	3.3 3.7 3.0	100 107 64	1.7 2.1 1.3	2.5 116 96	2.1 2.3 1.9
Sabah ⁽³⁾	1975	T M F	45 31 14		132		1 1		19 6 13		17 11 6		25 14 11	
Sarawak ⁽⁴⁾	1975	T M F	62 30 32		128 83 45		6 3 3		7 4 3				6 1 5	
Philippines ⁽⁵⁾	1974	T M F	11,012	26.7	12,383	30.0	532	1.3	1,100	2.7	12,517	30.3	1,545	3.7
Singapore ⁽⁵⁾	1976	T M F	113	5.0	2,245	98.5	33	1.4	334	14.7	41	1.8	24	1.1
Thailand ⁽⁶⁾	1976	T M F			6,353	14.8								

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source: Same as the Above

Number of Death and Death Rate by Causes (B50) (5)

	Year	Sex	B24		B25		B26		B27		B28		B29	
			Meningitis		Active Rheumatic Fever		Chronic Rheumatic Heart Disease		Hypertensive Disease		Ischaemic Heart Disease		Other Forms of Heart Disease	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F		0.7 0.8 0.6		0.2 0.2 0.3		3.1 2.6 3.7		17.0 14.8 19.2		39.8 44.7 334		48.3 47.7 48.9
Malaysia														
Peninsular Malaysia ⁽²⁾	1975	T M F	217 131 86	2.2 2.6 1.7	1 1	0.0 0.0	181 80 101	1.8 1.6 2.0	275 171 104	2.8 3.4 2.1	1,380 1,072 308	13.8 21.3 6.2	1,287 832 455	12.9 16.6 9.2
Sabah ⁽³⁾	1975	T M F	34 21 13		1 1		4 1 3				41 31 10		283 171 112	
Sarawak ⁽⁴⁾	1975	T M F	17 9 8		1 1		10 4 6				59 ^{(6)†}			
Philippines ⁽⁵⁾	1974	T M F	2,565	6.2	67	0.2	2,045	5.0	7,543	18.3	11,079	26.8	9,430	22.8
Singapore ⁽⁵⁾	1976	T M F	38	1.7	1	0.0	104	4.6	268	11.8	1,472	64.6	439	19.3
Thailand ⁽⁶⁾	1976	T M F											6,832	15.9

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source; Same as the Above

Number of Death and Death Rate by Causes (B50) (6)

	Year	Sex	B30		B31		B32		B33		B34		B35	
			Cerebrovascular Disease		Influenza		Pneumonia		Bronchitis, Emphysema and Asthma		Peptic Ulcer		Appendicitis	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F	149.8 155.4 144.4		0.6 0.6 0.6		23.3 25.7 21.0		10.7 13.7 7.8		5.2 6.8 3.7		0.2 0.2 0.2	
Malaysia														
Peninsular ⁽²⁾ Malaysia	1975	T M F	1,548 914 634	15.5 18.2 12.8			1,252 718 534	12.6 14.3 10.7	241 160 81	2.4 3.2 1.6	133 171 33	1.3 2.0 0.5	5 1 4	0.1 0.0 0.1
Sabah ⁽³⁾	1975	T M F	68 39 29				198 114 84		22 14 8		15 12 3		1 1	
Sarawak ⁽⁴⁾	1975	T M F	105 ^{(6)†} 				178 		9 7 2		6 6		1 1	
Philippines ⁽⁵⁾	1974	T M F	4,782 	11.6	2,945 	7.1	45,910 	111.2	7,064 	17.1	4,334 	10.5	367 	0.9
Singapore ⁽⁵⁾	1976	T M F	1,427 	62.6	31 	1.4	1,010 	44.3	285 	12.5	75 	3.3	3 	0.1
Thailand ⁽⁶⁾	1976	T M F	2,399 	5.6	1,351 	3.1	6,116 	14.2	 		 		 	

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source; Same as the Above

Number of Death and Death Rate by Causes (B50) (7)

	Year	Sex	B36		B37		B38		B39		B40		B41	
			Intestinal Obstruction and Hernia		Cirrhosis of Liver		Nephritis and Nephrosis		Hyperplasia of Prostate		Abortion		Other Complication of Pregnancy, Childbirth and the Puerperium Delivery without Mention of Complication	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T		2.2		13.6		5.5		0.6		0.0		0.3
		M		2.2		20.0		5.7		1.2				
		F		2.2		7.4		5.4				0.0		0.7
Malaysia														
Peninsular Malaysia ⁽²⁾	1975	T	116	1.2	267	2.8	311	3.1	7	0.1	15	0.2	78	0.8
		M	75	1.5	222	4.4	189	3.8	7	0.1				
		F	41	0.8	45	0.9	122	212			15	0.3	78	1.6
Sabah ⁽³⁾	1975	T	23		24		20		2		3		13	
		M	16		20		7		2					
		F	7		4		13				3		13	
Sarawak ⁽⁴⁾	1975	T	7		10		45						7	
		M	5		5		26							
		F	2		5		19						7	
Philippines ⁽⁵⁾														
	1974	T	1,584	3.8	1,694	4.1	3,670	8.9	24		131		1,486	137.8*
		M												
		F												
Singapore ⁽⁵⁾														
	1976	T	19	0.8	165	7.2	214	9.4	7	4.6	1	0.1	5	11.7*
		M												
		F												
Thailand ⁽⁶⁾														
	1976	T			1,545	3.6							1,641	3.8
		M												
		F												

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source; Same as the Above

Number of Death and Death Rate by Causes (B50) (8)

	Year	Sex	B42		B43		B44		B45		B46		B47	
			Congenital Anomalies		Birth Injury, Difficult Labour and Other Anoxic and Hypoxic Conditions		Other Causes of Perinatal Conditions		Symptoms and ill-defined Conditions		All Other Diseases		Motor Vehicle Accidents	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F		5.0 5.4 4.6		165.3*	4.2 4.9 3.5	2,701*		31.3 25.0 37.4		39.8 39.4 40.3	10	10.7 16.5 5.0
Malaysia														
Peninsular Malaysia ⁽²⁾	1975	T M F	573 313 260	5.7 6.2 5.2	954 585 369	9.5 11.6 7.4	2,160 1,211 949	21.6 24.1 19.1	2,875 1,618 1,257	28.8 32.2 25.3	1,631 1,037 594	16.3 20.6 11.9	309 241 68	3.1 4.8 1.4
Sabah ⁽³⁾	1975	T M F	28 15 13		27 15 14		213 115 98		316 161 155		120 85 35		134 109 25	
Sarawak ⁽⁴⁾	1975	T M F	18 10 8		47 32 15						781 396 385		37 28 9	
Philippines ⁽⁵⁾	1974	T M F	1,958	4.7	5,019	465.5*	13,194	1,223.7*	35,837	86.8	28,855	69.9	1,304	3.2
Shingapore ⁽⁵⁾	1976	T M F	156	6.8	85	198.7*	136	317.9*	802	35.2	784	34.4	257	11.3
Thailand ⁽⁶⁾	1976	T M F											4,725	11.0

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source; Same as the Above

Number of Death and Death Rate by Causes (B50) (9)

	Year	Sex	B48		B49		B50	
			All Other Accidents		Suicide and Self-Inflicted Injuries		All Other External Causes	
			Number	Rate	N	R	N	R
Indonesia		T M F						
Japan ⁽¹⁾	1977	T M F		16.1 23.6 8.8		17.9 22.0 13.8		2.6 3.5 1.7
Malaysia								
Philippines	1975	T M F	1,794 1,410 384	17.9 28.1 7.7	96 60 36	1.0 1.2 0.7	435 269 166	4.4 5.4 3.3
Malaysia								
Sabah ⁽³⁾	1975	T M F	13 10 3		16 10 6		70 43 27	
Sarawak ⁽⁴⁾	1975	T M F	57 47 10		34 17 17			
Philippines ⁽⁵⁾	1976	T M F	3,118	7.6	459	1.1	6,442	15.6
Singapore ⁽⁵⁾	1976	T M F	238	10.4	257	11.3	138	6.1
Thailand ⁽⁶⁾	1976	T M F			2,001	4.7		

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Peninsular Malaysia, 1975

(3) Perangkaan Penting Vital Statistics Sarawak, 1975.

(4) Derangkaan Penting Vital Statistics Semenanjung Malaysia, 1975.

(5) Demographic Year Book 1977, UN.

(6) Statistical Year Book for Asia and Pacific, 1977, UN.

(6)† Data from 1974, Source: Same as the Above

**NUMBER OF CASES BY INFECTIONS
AND
VENEREAL DISEASE**

Number of Cases by Infections (1)

	Year	Sex	Cholera	Typhoid Fever and typhoid Fever	Typhoid Fever	Paratyphoid Fever	Other Salmonella Infection	Amoebiasis and Bacillary Dysentery	Amoebiasis	Bacillary Dysentery	Food Poisoning
Indonesia	1977	T	29,942		8,088						2,412
Japan ³⁾	1978	T	34	508	385	123	3,015	1,037	6	1,031	21,067
		M	21	310	233	77	2,217	574	3	571	12,133
		F	13	198	152	46	798	463	3	460	8,934
	1979	T	11	526	391	135	3,197	1,313	22	1,291	20,963
		M	9	294	208	86	1,695	678	18	666	13,078
		F	2	232	183	49	1,502	635	4	631	7,885
Malaysia											
Peninsular Malaysia ¹⁾	1976	T M F	55	1,183	1,146	37	41	462	351	111	483
Sabah	1977	T M F	204 111 93	64	62	2	24	242	105	137	99
Sarawak	1977	T M F	240		573					546	37
Philippines ²⁾	1974	T M F	2,104	3,767 2,170 1,597				23,552			
Singapore	1977	T M F	11 7 4	215 146 69	203 139 64	12 7 8					578
Thailand	1977	T M F	383 228 155	11,901 6,371 5,530	11,839 6,337 5,502	62 34 28		12,400	566 319 247	11,834	5,915

Source: World Health Statistics Annual, 1979, Vol. II, WHO

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) World Health Statistics Annual, 1977, Vol. II, WHO

3) Statistics of Communicable Disease and Food Poisoning, Japan 1978, 1979

Number of Cases by Infections (2)

	Year	Sex	Tuber- culosis of All Forms	Leprosy Incidence	Diphtheria	Chickenpox	Infectious Hepatitis	Rabies	Malaria,	Influenza (Grippe)
Indonesia	1977	T			488	45,422	1,298	678	532,620	2,774,706
Japan ³⁾	1978	T		61	69			0	23	119,812
		M			31					
		F			38					
	1979	T		44	104			0	29	12,524
		M			60					
		F			44					
Malaysia										
Peninsular Malaysia ¹⁾	1976	T	7,117	220	179	283	2,602		6,269	10,831
		M								
		F								
Sabah	1977	T	2,233	10	8	705	207	0	45,313	32,265
		M								
		F								
Sarawak	1977	T	1,520	22	7	764	158		1,133	
		M								
		F								
Philippines ²⁾	1974	T	142,250	624	2,884	1,977	5,977		27,420	297,474
		M	71,694		1,615		3,514			147,250
		F	70,556		1,269		2,463			150,224
Singapore	1977	T	2,760	92	1	790	216		184	
		M	1,892		1	455	168		138	
		F	868		0	306	48		46	
Thailand	1977	T	43,826	4,540	2,290	794	9,875	322	379,808	27,268
		M			1,368		6,127	208		
		F			922		3,748	114		

Source: World Health Statistics Annual, 1979, Vol. II, WHO

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) World Health Statistics Annual, 1977, Vol. II, WHO

3) Statistics of Communicable Disease and Food Poisoning, Japan 1978, 1979

Number of Cases by Venereal Disease

	Year	Sex	Syphilis & Sequelae, Incidence	Congenital Syphilis	Early Syphilis, Symptomatic	Early Syphilis, L	Cardio- vascular Syphilis	Syphilis of Central Nervous System	Late Syphilis, Latent	Other Forms Late Syphilis, with Sympt.	Other Syphilis & Not Specified	Gono- coccal Infections, Incidence	Other Venereal Disease
Indonesia	1977	T	1,860			1,860						46,711	
Japan ³⁾	1978	T	2,874	416	296	211			1,199	261	491	5,130	79
		M	1,677	220	218	137			718	128	256	4,473	76
		F	1,197	196	78	74			481	133	235	657	3
	1979	T	2,444	237	316	198			1,138	229	326	6,581	89
		M	1,411	127	223	122			1,661	112	166	5,796	83
		F	1,033	110	93	76			477	117	160	785	6
Malaysia													
Peninsular Malaysia ¹⁾	1976	T		7	5		2	3	4			74	
		M											
		F											
Sabah	1977	T									15	609	
		M											
		F											
Sarawak	1977	T	80									826	
		M											
		F											
Philippines ²⁾	1974	T	44									17,147	
		M	26									6,293	
		F	18									10,854	
Singapore	1977	T	1,313	12	99	32	5	6	1,159			7,688	1,980
		M	616	4	66	7	5	6	528			1,854	1,918
		F	697	8	33	25	0	0	631			5,834	62
Thailand	1977	T	11,345									133,972	136,342

Source: World Health Statistics Annual, 1979, Vol. II, WHO

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) World Health Statistics Annual, 1977, Vol. II, WHO

3) Statistics of Communicable Disease and Food Poisoning, Japan, 1978, 1979

**SEASONAL DISTRIBUTION OF
TYPHOID FEVER AND PARATYPHOID FEVER,
BACILLARY DYSENTERY AND
FOOD POISONING**

Seasonal Distribution of Cholera (Cases) (1)

	Year	Sex	Total	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
Indonesia¹⁾	1975	T	52,313	3,487	3,469	3,468	3,500	5,389	5,679	4,090	4,215	5,049	3,793	3,586	3,820	2,768
Japan³⁾	1978	T	34	0	0	0	0	0	1		1	10	3	2	17	0
	1979	T	11	0	2	2	0	0	1		0	4	1	0	1	0
Malaysia																
Peninsular Malaysia	1976	T	55	0	0	0	0	1	53		1	0	0	0	0	0
Sabah	1977	T	204	27	31	84	21	16	0		0	0	9	5	6	5
Sarawak	1977	T	240	0	0	0	16	20	13		45	62	31	47	6	0
Philippines²⁾	1974	T	2,104	64	84	90	58	56	58	213	340	342	381	190	149	79
Singapore	1977	T	11	0	0	0	0	0	3		0	0	4	4	0	0
Thailand	1977	T	383	0	0	0	3	0	0		0	0	1	20	64	295

Source: World Health Statistics Annual, 1979, Vol. II, WHO

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) World Health Statistics Annual, 1977, Vol. II, WHO

3) Statistics of Communicable Disease and Food Poisoning, Japan, 1978, 1979

Seasonal Distribution of Typhoid Fever (Cases) (2)

	Year	Sex	Total	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		T														
Japan ³⁾	1978	T	385	44	28	30	33	44	30		38	41	29	21	24	24
	1979	T	391	24	34	31	35	30	31		34	48	34	24	29	37
Malaysia																
Peninsula ¹⁾	1976	T	1,146	62	85	97	92	153	102		83	97	117	118	86	54
Sabah	1977	T	62	3	10	11	7	2	4		7	3	0	6	7	2
Sarawak	1977	T	573	51	48	65	37	54	41		40	39	36	55	55	52
Philippines ²⁾	1974	T	*3,767	331	319	310	284	230	268	260	260	367	266	247	333	272
Singapore	1977	T	204	17	19	12	35	23	18		8	17	7	33	9	6
Thailand	1977	T	11,839	647	779	859	1,059	1,119	1,416		1,373	1,271	1,089	991	758	478

Source: World Health Statistics Annual, 1979, Vol. II, WHO

* Number of Cases by Typhoid Fever and Paratyphoid Fever

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) World Health Statistics Annual, 1977, Vol. II, WHO

3) Statistics of Communicable Disease and Food Poisoning, Japan, 1978, 1979

Seasonal Distribution of Paratyphoid Fever (Cases) (3)

	Year	Sex	Total	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		T														
Japan ²⁾	1978	T	123	9	9	6	8	9	9		12	18	7	17	10	9
	1979	T	135	8	11	6	5	12	16		25	19	12	4	14	3
Malaysia																
Peninsula ¹⁾	1976	T	37	4	3	1	2	3	4		7	6	2	3	0	2
Sabah	1977	T	2	0	2	0	0	0	0		0	0	0	0	0	0
Sarawak ¹⁾	1976	T	44	3	3	5	0	0	7		6	3	4	10	2	6
Philippines		T														
Singapore	1977	T	12	3	0	0	0	2	0		4	0	0	1	0	2
Thailand	1977	T	62	14	5	5	9	3	4		1	4	6	6	1	4

Source: World Health Statistics Annual, 1979, Vol. II, WHO

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) Statistics of Communicable Disease and Food Poisoning, Japan, 1978, 1979

Seasonal Distribution of Bacillary Dysentery (Cases) (4)

	Year	Sex	Total	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		T														
Japan ²⁾	1978	T	1,031	46	29	30	48	76	136		58	182	147	74	124	81
	1979	T	1,291	58	64	83	368	81	75		167	98	48	60	107	82
Malaysia																
Peninsula ¹⁾	1976	T	111	6	11	11	11	12	21		12	3	6	8	6	4
Sabah	1977	T	137	5	9	30	4	16	8		15	9	14	6	8	13
Sarawak	1977	T	546	63	43	58	45	39	41		60	69	42	44	17	25
Philippines	1974	T	*23,552	1,654	1,780	1,622	1,535	1,833	2,003	2,297	2,096	1,814	1,778	1,731	1,717	1,692
Singapore		T														
Thailand	1977	T	11,834	763	667	963	1,056	1,465	1,377		1,178	986	825	821	919	814

Source: World Health Statistics Annual, 1979, Vol. II, WHO

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) Statistics of Communicable Disease and Food Poisoning, Japan, 1978, 1979

* Number of Cases by Bacillary Dysentery and Amoebiasis

Seasonal Distribution of Food Poisoning (Cases) (5)

	Year	Sex	Total	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		T														
Japan ²⁾	1978	T	21,067	81	259	98	1,387	1,298	3,005		3,870	5,619	2,909	1,745	309	487
	1979	T	20,963	577	670	1,079	416	769	977		2,559	5,329	5,585	2,168	484	350
Malaysia																
Peninsula ¹⁾	1976	T	483	36	60	64	30	42	31		53	37	41	32	38	19
Sabah	1977	T	99	10	20	14	7	0	7		6	9	3	2	18	3
Sarawak	1977	T	37	2	1	1	1	8	0		1	5	8	9	1	0
Philippines		T														
Singapore	1977	T	578	2	0	7	25	43	5		0	70	241	103	63	19
Thailand	1977	T	5,915	246	244	573	396	460	727		474	757	467	793	444	334

Source: World Health Statistics Annual, 1979, Vol. II, WHO

1) World Health Statistics Annual, 1978, Vol. II, WHO

2) Statistics of Communicable Disease and Food Poisoning, Japan, 1978, 1979

**INFECTIOUS DISEASES TO BE REPORTED IN
COMPLIANCE WITH THE STATUTE**

Infectious Diseases to be Reported in Compliance with the Statute (1)

ICD Number		Japan	Malaysia	Singapore	Thailand
001	Cholera	v	v	v	v
002	Typhoid and Paratyphoid fever	v	v	v	v
003	Other salmonella infections	v	v ¹⁾		
004	Shigellosis	v	v		
008	Intestinal infections due to other organisms	v	v ¹⁾		
010~018	Tuberculosis	v		v	v
020	Plague	v	v	v	v
022	Anthrax	v	v		v
030	Leprosy	v	v	v	v
032	Diphtheria	v	v	v	v
033	Whooping Cough	v	v		
034	Streptococcal sore throat and scarlatina	v			
036	Meningococcal infection	v	v		v
037	Tetanus	v	v ²⁾		v
045	Acute poliomyelitis	v	v	v	v
050	Smallpox	v	v	v	v
052	Chickenpox		v	v	
055	Measles	v	v		
060	Yellow fever	v	v	v	v
061	Dengue		v	v	v
062	Mosquito-borne viral encephalitis	v	v	v	v
070	Infectious hepatitis		v	v	
071	Rabies	v	v		v
072	Mumps		v		
076	Trachoma	v	v		
081	Other typhus	v	v		v
084	Malaria	v	v	v	v
087	Relapsing fever	v	v		v

Infectious Diseases to be Reported in Compliance with the Statute (2)

ICD Number		Japan	Malaysia	Singapore	Thailand
090	Congenital syphilis	v	v ³⁾	v	v
098	Gonococcal infections	v	v	v	v
099	Other venereal disease	v	v	v	v
100	Leptospiral infections	v	v		
102	Yaws		v		
120	Schistosomiasis	v			v
125	Filarial infection and dracontiasis	v	v		v
487	Influenza	v			

- 1) Only food poisoning
- 2) Only tetanus neonatorum
- 3) Syphilis and its sequelae

**PROPHYLACTIC VACCINATIONS
REQUIRED BY THE STATUTE**

Prophylatic Vaccinations Required by the Statute

	Japan	Malaysia	Singapore	Thailand
Cholera				v
Diphtheria	v		v	v
Epidemic typhus				
Measles				
Mosquito-borne viral encephalitis				
Plague				
Poliomyelitis	v			
Rubella	v			
Small pox	v	v ¹⁾	v	v
Tetanus				
Tuberculosis (BCG)	v			v
Typhoid and paratyphoid fever				v
Whooping-cough	v			v
Yellow fever		2)		

1) Law in the process of being repealed

2) Immunisation required under I.M.R.

VITAL STATISTICS

Crude Rate of Live Births and Deaths, Number of Live Births or Deaths (per 1,000)

(1) Live Births

Year	Annual Change												1979
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	
Indonesia ¹⁾	¹⁹⁶⁴ 24.0						⁹⁾ 41.5						
Japan ²⁾	19.4	18.6	18.5	18.8	19.2	19.3	19.4	18.6	17.1	16.3	15.5	14.9	14.2
Malaysia													
Peninsular Malaysia ³⁾	¹⁰⁾ 36.6	¹⁰⁾ 36.8	¹⁰⁾ 34.7	33.9	34.3	33.3	31.9	32.1	31.4	¹¹⁾ 31.7			
Sabah ⁴⁾	37.6	39.9	39.3	37.9	36.8	37.5	36.5	37.7	36.5	¹¹⁾ 35.2	¹¹⁾ 34.7		
Sarawak ⁵⁾	¹⁰⁾ 27.8	¹⁰⁾ 29.0	¹⁰⁾ 28.5	30.8	29.8	30.4	30.7	29.2	29.2	¹¹⁾ 28.5	¹¹⁾ 29.0		
Philippines ⁶⁾	24.9	25.9	26.5	26.2	25.5	24.9	26.3	26.3	29.1				
Singapore ⁷⁾	25.6	23.5	21.8	22.1	22.3	22.1	22.5	19.5	17.8	18.8	16.6	¹²⁾ 16.9	17.3
Thailand ⁸⁾	34.2	25.6	32.6	32.0	32.7	30.8	⁹⁾ 39.6			¹³⁾ 27.1	¹³⁾ 26.3		

Source: 1) Population and Vital Statistics Report. 1978, Series A, Vol. XXX No. 3

2) Vital Statistics Japan 1979

3) Perangkaan Penting Semenanjung Malaysia Vital Statistics Peninsular

4) Malaysia, 1975

4) Perangkaan Penting Vital Statistics Sabah, 1975

5) Perangkaan Penting Vital Statistics Sarawak, 1975

6) Philippines Statistical Yearbook, 1979

7) Yearbook of Statistics Singapore, 1977/78

8) Statistical Yearbook Thailand, No. 31, 1974-1975

9) Estimates for 1970-1975 prepared by the Population Division of the United Nations

10) Quarterly Bulletin of Statistics for Asia and the Pacific, 1976, Vol. 11, Nos. 1-2, United Nations

11) Demographic Yearbook 1978 (Vol. 30), 1979, United Nations

12) Monthly Digest of Statistics Singapore, Vol. 19, No. 12, 1980

13) Thailand Health Profile, 1977

Crude Rate of Live Births and Deaths, Number of Live Births or Deaths (per 1,000)

(2) Deaths

Year	Annual Change												
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Indonesia ¹⁾	1962 11.0						⁹⁾ 16.9						6.0
Japan ²⁾	6.8	6.8	6.8	6.9	6.6	6.5	6.6	6.5	6.3	6.3	6.1	6.1	
Malaysia													
Peninsular Malaysia ³⁾	⁹⁾ 7.8	⁹⁾ 7.9	⁹⁾ 7.6	7.3	7.1	6.9	6.9	6.6	6.4	¹⁰⁾ 6.1			
Sabah ⁴⁾	6.0	5.1	5.2	5.9	5.5	5.0	5.0	4.3	4.3	¹¹⁾ 4.6	¹¹⁾ 4.2		
Sarawak ⁵⁾	⁹⁾ 4.8	⁹⁾ 4.8	⁹⁾ 4.8	5.2	5.2	4.9	4.8	4.4	5.0	¹¹⁾ 4.4	¹¹⁾ 4.7		
Philippines ⁶⁾	7.0	7.1	6.9	6.7	6.6	7.3	7.0	6.8	¹¹⁾ 6.4	¹⁵⁾ 6.9			
Singapore ⁷⁾	5.3	5.5	5.0	5.2	5.4	5.4	5.5	5.3	5.1	5.1	5.2	5.2	5.3
Thailand ⁸⁾	7.1	6.9	7.0	6.3	6.1	6.4	⁹⁾ 10.5	¹¹⁾ 6.0	¹¹⁾ 5.7	¹³⁾ 5.5	¹⁵⁾ 5.4	5.2	

Source: 1) — 13) Same as before page

14) Monthly Statistical Bulletin Peninsular Malaysia, Dec. 1978

15) World Health Statistics 1980, 1980, WHO

Vital Statistics Rates, Natural Increase Rate

	Year	Rate (per 1,000)						
		Marriage	Divorce	Birth		Death		Natural Increase
				Crude	Fertility	Crude	Infant	
Indonesia	1970-1975	1) 10.6		7) 41.5	175.7	7) 16.7	125	24.8
Japan	1977	7.2	1.14	15.5	57.9	6.1	8.9	9.4
	1978	6.9	1.15	14.9	56.4	6.1	8.4	8.8
	1979	6.8	1.17	14.2	54.1	6.0	7.9	8.3
Malaysia								
Peninsular Malaysia	1977	4) 1.9	5) 0.0	30.7	5) 130.9	6.3	31.8	24.4
Sabah	1977	...	...	35.6	2) 179.4	4.3	28.2	31.3
Sarawak	1977	3) 3.5	3) 0.1	29.0	2) 150.3	4.7	25.4	24.3
Philippines	1970-1975	4) 7.1	8)	2) 41.0	2) 200.4	2) 10.3	4) 47.6	2) 30.7
Singapore	1978	6) 9.0		17.0	61.4	5.2	12.5	11.8
Thailand	1970-1975	2) 4.1	1) 0.2	2) 39.6	2) 194.1	2) 10.5	5) 25.5	2) 29.1

Source: Demographic Yearbook 1978 (Vol. 30), 1979, United Nations Vital Statistics Japan 1979

1) For 1965

4) For 1975

7) Estimate(s) for 1970-1975 prepared by the United Nations Population Division

2) For 1970

5) For 1976

8) There is no provision for "divorce" in the sense used here.

3) For 1972

6) For 1977

Natality, General Mortality and Natural Increase

	Year	Natality (Live-Born) Number				General Mortality Number				Natural Increase) (%)
		Total	Male	Female	Total %	Total	Male	Female	Total %	
Indonesia										
Japan	1977	1,755,100	903,380	851,720	15.5	690,074	372,175	317,899	6.1	9.4
	1978	1,708,643	879,149	829,494	14.9	695,821	375,625	320,196	6.1	8.8
	1979	1,642,580	845,884	796,696	14.2	689,664	373,173	316,481	6.0	8.3
	1976	387,340	199,589	187,751	31.7	72,975	43,131	30,844	6.0	25.7
	1977	387,711			30.9	75,617			6.0	24.9
Malaysia										
Peninsular Malaysia	1976	324,192	166,683	157,509	31.7	63,814	36,660	25,154	6.2	25.5
Sabah	1976	30,359	15,783	14,576	35.2	4,001	2,354	1,647	4.6	30.6
Sarawak	1976	32,789	17,123	15,666	29.2	5,160	3,117	2,043	4.6	24.6
Philippines	1976	1,314,860	684,791	630,069	30.1	299,861	170,278	129,583	6.9	23.2
Singapore	1978	39,440	20,364	19,076	17.0	12,064	7,025	5,039	5.2	11.8
Thailand	1977	1,156,504	595,333	561,171	26.3	236,783	134,777	102,006	5.4	20.9
	1978	1,101,634	566,280	535,354	24.5	232,216	133,975	99,241	5.2	19.3

Source: World Health Statistics Annual, 1980, WHO
Vital Statistics Japan 1979

INFANT AND MATERNAL MORTALITY

Late Fetal, Infant, Neonatal, Post-neonatal and Perinatal Mortality

	Year	Late foetal mortality		Infant mortality		Neonatal mortality		Post-neonatal mortality		Perinatal mortality	
		Number	%	Number	%	Number	%	Number	%	Number	%
Indonesia	1964	...	...	260,296	...	...	...				
Japan	1976	17,741	9.7	17,105	9.3	11,638	6.4	5,469	3.0	27,133	14.8
	1977	16,022	9.1	15,666	8.9	10,773	6.1	4,893	2.8	24,708	14.1
	1978	14,516	8.5	14,327	8.4	9,623	5.6	4,699	2.8	22,217	13.0
Malaysia Peninsular Malaysia	1974	6,038	19.3	11,067	35.4	6,891	22.0	4,176	13.4	10,819	34.6
	1975	5,466	17.4	10,422	33.2	6,473	20.6	3,949	12.6	10,296	32.8
	1976	5,546	17.1	9,983	30.8	6,196	19.1	3,787	11.7	10,175	31.4
Sabah	1974	128	4.8	629	26.0	352	13.1	347	12.9	385	14.4
	1975	157	5.4	810	27.8	406	13.9	404	13.9	454	15.6
	1976	150	4.9	1,031	34.0	554	18.2	477	15.8	495	16.3
Sarawak	1975	...	...	1,000	31.0	481	14.9	519	16.1	...	...
	1977	...	...	852	25.4	387	11.5	465	13.9	...	...
Philippines	1975	...	...	65,263	53.3	...	...	...	...	...	...
	1976	14,050	10.7	74,792	56.9	...	...	...	...	35,702	27.2
Singapore	1977	308	8.0	474	12.4	357	9.3	117	3.0	622	16.2
	1978	280	7.0	498	12.5	381	9.6	117	2.9	604	15.2
Thailand	1975	1,576	1.4	29,436	26.0	7,107	6.3	22,329	19.7	5,216	4.6
	1976	1,627	1.4	29,752	25.5	9,014	7.7	20,738	17.8	6,343	5.4
	1977	1,985	1.7	29,716	25.7	8,865	7.7	20,851	18.0	6,190	5.4
	1978	1,609	1.5	29,211	26.5	8,788	8.0	20,423	18.5	5,738	5.2

Absolute numbers and crude rates per 1,000 liveborn

Late foetal deaths: Foetal deaths after at least 28 weeks' gestation..
Foetal 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 foetal deaths and deaths under one week.

Source: World Health Statistics 1979, World Health Organization
World Health Statistics 1980, World Health Organization

Infant Death and Rates by Age and Sex

	Year	Sex	Number						Rates					
			-365	-1	1-6	7-27	28-364	Unknown	-365	-1	1-6	7-27	28-364	Unknown
Indonesia		T M F												
Japan	1977	T	15,666	3,741	4,945	2,087	4,893		8.9	2.1	2.8	1.2	2.8	
		M	8,988	2,127	2,996	1,167	2,698		9.9	2.4	3.3	1.3	3.0	
		F	6,678	1,614	1,949	920	2,195		7.8	1.9	2.3	1.1	2.6	
Japan	1978	T	14,327	3,410	4,291	1,927	4,699		8.4	2.0	2.5	1.1	2.8	
		M	8,216	1,980	2,574	1,051	2,611		9.3	2.3	2.9	1.2	3.0	
		F	6,111	1,430	1,717	876	2,088		7.4	1.7	2.1	1.1	2.5	
	1979	T	12,923	3,086	3,815	1,689	4,333		7.8	1.9	2.3	1.0	2.6	
		M	7,387	1,782	2,255	943	2,407		8.7	2.1	2.7	1.1	2.8	
		F	5,536	1,304	1,560	746	1,926		6.9	1.6	2.0	0.9	2.4	
Malaysia														
Peninsular Malaysia ^{1,2)}	1976	T	9,983	4,629		1,567	3,787		30.8	14.3		4.8	11.7	
		M	5,789	2,723		929	2,137		34.7	16.3		5.6	12.8	
		F	4,194	1,906		638	1,650		26.6	12.1		4.1	10.5	
Sabah	1976	T	1,031	345		209	477		34.0	11.4		6.9	15.7	
		M	569	197		125	247		36.1	12.5		7.9	15.6	
		F	356	148		84	230		31.7	10.2		5.8	15.8	
Sarawak	1970	T	907		405		502							
		M	551		250		301							
		F	356		155		201							
Philippines	1974	T	63,491	9,256	12,392	10,174	31,669		58.9	8.6	11.5	9.4	29.4	
		M	36,607	5,228	7,403	5,905	18,071		65.1	9.3	13.2	10.5	32.1	
		F	26,884	4,028	4,989	4,269	13,598		52.1	7.8	9.7	8.3	26.4	
Singapore ^{3,4)}	1977	T	474	196	118	43	117							
		M	290	121	76	25	68							
		F	182	73	42	18	49							
Thailand ³⁾	1976	T	29,752	913	4,459	4,602	18,496	1,282	25.5	0.8	3.8	3.9	15.9	1.1
		M	18,184	541	2,688	2,815	11,354	786	30.4	0.9	4.5	4.7	19.0	1.3
		F	11,568	372	1,771	1,787	7,142	496	20.4	0.7	3.1	3.1	12.6	0.9

1) Provisional.

2) Excluding deaths of infants dying before registration.

3) Data tabulated by year of registration rather than occurrence.

4) Excluding non-locally domiciled military and civilian services personnel and their dependents.

Source: Demographic Yearbook 1978 (Vol. 30), 1979, United Nations
Vital Statistics Japan 1977, Vital Statistics Japan 1978,
Vital Statistics Japan 1979

Maternal Deaths and Maternal Mortality Rates (1)

Year	Number									
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia										
Japan ^{1,2)}	1,232	1,061	967	867	803	776	680	525	458	395
Malaysia										
Peninsular Malaysia ³⁾	163	143	154	117	⁵⁾ 77	87	65	78	81	
Sabah ³⁾	18	26	22	⁵⁾ 10	16	17				
Sarawak										
Philippines ⁴⁾	1,866	1,762	1,276	1,261	1,379	...	⁵⁾ 1,486			
Singapore ⁴⁾	19	⁵⁾ 12	9	7	10	5	5	7	5	5
Thailand										

- 1) All data classified by 1965 Revision.
- 2) Prior to 1973, excluding Okinawa.
- 3) Medically certified or inspected deaths only.
- 4) Data tabulated by year of registration rather than occurrence.
- 5) Separates data classified by the 1955 and 1965 Revisions of the Abbreviated List of 50 Causes for Tabulation of Mortality in the International Classification of Diseases.
- 6) Rates based on 30 or fewer maternal deaths.

Source: Demographic Yearbook 1978 (Vol. 30), 1979, United Nations

Maternal Deaths and Maternal Mortality Rates (2)

Year	Rates									
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia										
Japan	65.8	56.1	50.0	43.3	39.4	37.1	33.5	27.6	25.0	22.5
Malaysia										
Peninsular Malaysia										
Sabah										
Sarawak										
Philippines	207.7	186.7	132.0	130.8	142.4	...	⁵⁾ 137.8			
Singapore ⁶⁾	40.2	26.9	19.6	14.9	20.1	⁵⁾ 10.4	11.6	17.5	16.7	13.0
Thailand										

1) All data classified by 1965 Revision.

2) Prior to 1973, excluding Okinawa.

3) Medically certified or inspected deaths only.

4) Data tabulated by year of registration rather than occurrence.

5) Separates data classified by the 1955 and 1965 Revisions of the Abbreviated List of 50 Causes for Tabulation of Mortality in the International Classification of Diseases.

6) Rates based on 30 or fewer maternal deaths.

Source: Demographic Yearbook 1988 (Vol. 30), 1979, United Nations.

EXPECTATION OF LIFE

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

			Age (in years)										
	Year	Sex	0	1	2	3	4	5	10	15	20	25	30
Indonesia ¹⁾	1970—1975	M F	46.4 48.7										
Japan ²⁾	1975	M F	71.76 76.95	71.56 76.63	70.67 75.72	69.74 74.78	68.79 73.82	67.83 72.85	62.98 67.94	58.07 63.01	53.31 58.11	48.58 53.26	43.82 48.42
		M F	72.15 77.35	71.90 76.98	71.00 76.07	70.06 75.12	69.11 74.16	68.15 73.19	63.28 68.28	58.37 63.34	53.60 58.43	48.85 53.57	44.08 48.72
	1977	M F	72.69 77.95	72.42 77.56	71.51 76.65	70.57 75.70	69.61 74.73	68.65 73.76	63.78 68.85	58.86 63.91	54.07 58.99	49.32 54.12	44.55 49.26
		M F	72.97 78.33	72.66 77.91	71.74 76.99	70.80 76.04	69.85 75.07	68.88 74.10	64.01 69.18	59.09 64.23	54.32 59.32	49.56 54.44	44.77 49.58
	1979	M F	73.46 78.89	73.10 78.44	72.19 77.52	71.24 76.56	70.28 75.59	69.31 74.62	64.43 69.69	59.50 64.74	54.72 59.83	49.95 54.94	45.17 50.07
		Malaysia ¹⁾ Peninsular Malaysia	M F	66.2 71.4	67.5 72.3				64.2 69.0	59.5 64.3	54.7 59.5	50.0 54.7	45.4 50.0
	Sabah		M F	48.79 45.43	53.03 49.38				51.39 48.20	47.11 43.97	42.54 39.39	37.86 35.14	33.60 31.14
		Sarawak	M F	51.15 52.69	55.71 56.32				53.98 54.66	49.58 50.29	44.96 45.64	40.31 41.24	35.98 37.00
	Philippines ¹⁾		1970—1975	M F	56.9 60.0								
	Singapore ¹⁾	1970	M F	65.1 70.0	45.6 70.3				62.0 66.6	57.1 61.8	52.3 56.9	47.5 52.0	42.8 47.2
Thailand ³⁾	1974—1975	M F	57.63 63.56										

Source: 1) Demographic Yearbook 1978 (Vol. 30), 1979, United Nations

2) Health and Welfare Statistics and Information Department, Minister's Seceriatat, Ministry of Health and Welfare, Japan

3) Thailand Health Profile, 1980, Thailand.

Expectation of Life at Specified Ages for Each Sex (2)

	Year	Sex	Age (in years)										
			35	40	45	50	55	60	65	70	75	80	85
Indonesia ¹⁾	1970-1975	M F											...
Japan ²⁾	1975	M	39.09	34.45	29.96	25.60	21.37	17.41	13.76	10.55	7.89	5.75	4.17
		F	43.60	38.83	34.14	29.54	25.07	20.76	16.64	12.83	9.54	6.88	5.05
	1976	M	39.34	34.68	30.17	25.81	21.58	17.59	13.91	10.65	7.97	5.79	4.14
		F	43.89	39.11	34.40	29.79	25.30	20.95	16.80	12.97	9.63	6.90	4.96
	1977	M	39.79	35.12	30.59	26.24	22.01	17.99	14.29	10.99	8.23	6.01	4.46
		F	44.42	39.63	34.90	30.28	25.77	21.40	17.24	13.39	9.99	7.21	5.23
	1978	M	40.02	35.32	30.79	26.41	22.18	18.15	14.40	11.08	8.26	6.01	4.47
		F	44.74	39.95	35.22	30.58	26.06	21.67	17.48	13.59	10.17	7.36	5.34
	1979	M	40.40	35.70	31.13	26.78	22.55	18.51	14.75	11.38	8.54	6.28	4.75
		F	45.23	40.42	35.69	31.05	26.52	22.13	17.92	13.98	10.51	7.66	5.64
Malaysia ¹⁾													
Peninsular Malaysia	1976	M	36.2	31.7	27.4	23.4	19.7	16.4	13.7	11.7	10.2	...	...
		F	40.6	36.1	31.6	27.3	23.4	19.8	16.6	14.2	12.2	...	...
Sabah	1970	M	25.05	20.96	17.19	13.95	11.18	8.30	6.81	4.22	...	...	...
		F	24.13	20.72	17.57	14.35	11.65	8.35	6.95	4.27	...	...	...
Sarawak	1970	M	27.49	23.50	19.91	16.85	13.91	11.07	9.05	6.68	5.34	...	...
		F	29.75	26.33	22.86	19.36	16.00	12.75	10.37	7.82	5.91	...	...
Philippines ¹⁾	1970-1975	M F											...
Singapore ¹⁾	1970	M F	33.4 37.6	28.8 32.9	24.4 28.4	20.2 23.9	16.4 19.6	12.9 15.6	9.8 11.8	7.1 8.2	4.5 4.7		
Thailand ³⁾	1974-1975	M F											...

Source: 1) Demographic Yearbook 1978 (Vol. 30), 1979, United Nations

2) Health and Welfare Statistics and Information Department, Minister's Secriaritat, Ministry of Health and Welfare, Japan

3) Thailand Health Profile, 1980, Thailand.

Number of Surviving out of 100,000 Born Alive at Selected Ages, by Sex (1)

	Year	Sex	0	1	5	10	15	20	25	30	35	40
Indonesia		M F										
Japan	1975	M F	100,000 100,000	98,890 99,128	98,512 98,839	98,291 98,705	98,142 98,608	97,719 98,445	97,206 98,177	96,702 97,871	96,067 97,481	95,136 96,938
	1976	M F	100,000 100,000	98,963 99,188	98,617 98,918	98,420 98,784	98,277 98,696	97,875 98,545	97,386 98,301	96,905 98,012	96,309 97,650	95,432 97,146
	1977	M F	100,000 100,000	99,009 99,220	98,685 98,961	98,494 98,832	98,366 98,751	97,999 98,609	97,529 98,392	97,053 98,124	96,488 97,782	95,642 97,301
	1978	M F	100,000 100,000	99,069 99,266	98,751 99,022	98,561 98,912	98,438 98,831	98,040 98,688	97,592 98,481	97,142 98,213	96,588 97,877	95,796 97,409
	1979	M F	100,000 100,000	99,131 99,309	98,837 99,082	98,665 98,979	98,549 98,906	98,169 98,770	97,740 98,570	97,296 98,324	96,776 98,010	96,013 97,559
		M F										
		M F										
		M F										
		M F										
		M F										

Source: Health and Welfare Statistics and Information Department, Minister's Secriaritat, Ministry of Health and Welfare, Japan

Number of Surviving out of 100,000 Born Alive at Selected Ages, by Sex (2)

	Year	Sex	45	50	55	60	65	70	75	80	85	
Indonesia		M F										
Japan	1975	M F	93,640 96,125	91,497 94,912	88,518 93,058	83,843 90,309	76,832 86,109	66,151 79,321	51,057 67,859	33,320 50,706	16,428 29,319	
	1976	M F	93,976 96,383	91,839 95,215	88,910 93,462	84,390 90,818	77,531 86,788	67,123 80,173	52,082 68,988	34,313 52,059	17,210 30,605	
	1977	M F	94,267 96,591	92,129 95,477	89,222 93,786	84,923 91,306	78,303 87,394	68,275 80,973	53,884 70,439	36,162 54,120	18,399 32,775	
	1978	M F	94,458 96,712	92,394 95,641	89,525 94,0533	85,274 91,622	78,882 87,878	69,032 81,738	54,866 71,380	37,019 55,306	18,792 34,107	
	1979	M F	94,759 96,876	92,670 95,815	89,808 94,253	85,673 91,935	79,437 88,336	69,985 82,553	56,125 72,704	38,503 57,100	20,158 35,968	
		M F										
		M F										
		M F										
		M F										
		M F										

Source: Health and Welfare Statistics and Information Department, Minister's Secriaritat, Ministry of Health and Welfare, Japan

**MEAN WEIGHT, HEIGHT (LENGTH)
AND
CHEST CIRCUMFERENCE**

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 (poor)	1964	M	—	52	59	64	67	71
			F	—	52	57	63	67	70
Japan	Tokyo	1966	M	—	53.9	61.0	67.5	71.6	74.8
			F	—	52.3	58.9	65.2	69.1	72.7
Malaysia			M	—	—	—	—	—	—
			F	—	—	—	—	—	—
Philippines	Manila (low economic group)	1967	M	—	53	60	66	70	72
			F	—	52.5	59	65	69	73
Singapore	Malays		M	—	—	60.2	65.3	70.1	73.6
			F	—	—	59.5	64.0	68.1	71.5
	Chinese		M	—	—	61.8	66.5	71.0	74.5
			F	—	—	60.0	65.0	69.5	73.0
Thailand	Bangkok		M	—	56.1	62.0	67.8	71.9	73.5
			F	—	55.0	60.3	65.9	69.6	72.2

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

Mean weight from birth to one year

(kg)

Country	People or Place	Year	Sex	Age					
				Birth	4 wks	3 mos	6 mos	9 mos	12 mos
Indonesia	Jakarta (poor)	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	Tokyo	1966	M	—	4.22	6.25	7.94	8.86	9.43
			F	—	3.80	5.60	7.13	7.97	8.46
Malaysia			M	—	—	—	—	—	—
			F	—	—	—	—	—	—
Philippines	Manila (low economic group)	1967	M	3.07	4.04	5.80	7.16	8.25	9.53
			F	2.94	3.70	5.20	6.74	7.84	9.28
Singapore	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 Bangkok		M	3.12	4.65	6.34	7.74	8.62	9.1
			F	3.01	4.46	5.61	7.33	7.97	8.50

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

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 ¹⁾	Jakarta (poor)	1964	M	31.5	34.5	38	40.5	42	43.5
			F	32.5	34.5	37	40	41.5	43
Japan	Tokyo	1966	M	—	36.5	41.9	44.6	46.1	47.0
			F	—	35.2	40.0	42.6	44.2	45.3
Malaysia			M	—	—	—	—	—	—
			F	—	—	—	—	—	—
Philippines			M	—	—	—	—	—	—
			F	—	—	—	—	—	—
Singapore			M	—	—	—	—	—	—
			F	—	—	—	—	—	—
			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) Data from Dept. of Growth & Development, Univ. of Tsukuba, Japan.

Mean Height (1)

(cm)

Country	People of Place	Year	Sex	Age (yr)								
				1	2	3	4	5	6	7	8	9
Indonesia ¹⁾	National	1977	M	—	82.2	88.5	97.2	102.4	107.1	112.1	118.0	122.6
			F	—	80.8	88.3	96.2	100.6	106.2	111.5	116.1	121.2
Japan	National	1962	M	73.6	83.4	90.8	96.7	107.0	112.0	117.5	122.7	128.0
		Rest 1970	F	72.2	82.0	89.5	95.5	106.0	111.0	116.5	122.0	127.4
Malaysia	Rural	1960	M	—	—	—	—	—	—	—	109.7	111.8
			F	—	—	—	—	—	105.4	109.7	112.8	117.9
Philippines	Rural		M	70.8	78.5	86.0	92.7	99.0	104.8	110.6	116.3	120.7
			F	69.2	77.4	86.0	91.8	98.5	104.5	110.6	116.5	120.7
Singapore	Malays	1972	M	73.6	82.5	89.5	95.0	101.2	107.2	112.0	117.5	122.5
			F	71.5	81.5	88.7	94.7	100.3	106.7	111.5	116.0	121.5
	Chinese	1972	M	74.6	85.9	92.5	98.5	104.5	111.0	115.9	120.0	125.0
			F	73.0	84.5	91.5	97.7	104.0	110.2	114.6	119.2	124.0
Thailand	Bangkok		M	73.5	83.8	93.5	100.5	105.0	—	—	—	—
			F	72.2	84.0	93.0	99.0	103.5	—	—	—	—

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

1) Data from Dept. of Growth & Development, Univ. of Tsukuba, Japan.

Mean Height (2)

(cm)

Country	People or Place	Year	Sex	Age (yr)								
				10	11	12	13	14	15	16	17	18
Indonesia ¹⁾	National	1977	M	125.2	129.6	133.2	142.7	147.7	153.2	157.8	159.4	161.2
			F	125.5	130.8	136.4	143.7	146.1	149.1	150.7	152.4	151.2
Japan	National	1962	M	133.0	137.8	143.7	150.5	157.0	162.0	165.3	167.0	—
		Rest 1970	F	133.3	139.5	145.7	150.3	153.2	154.5	155.2	155.5	—
Malaysia	Rural	1960	M	114.3	121.9	129.3	133.4	138.4	141.4	—	—	—
			F	123.4	131.8	137.2	—	—	—	—	—	—
Philippines	Rural		M	125.0	129.3	134.0	139.3	147.5	154.0	158.8	—	—
			F	124.5	130.5	137.4	142.5	147.0	150.6	151.2	151.0	—
Singapore	Malays	1972	M	126.7	131.0	135.2	140.5	145.3	—	—	—	—
			F	126.2	133.0	139.3	143.2	149.0	—	—	—	—
	Chinese	1972	M	129.5	133.0	138.2	144.0	149.5	—	—	—	—
			F	129.5	135.0	141.0	145.0	149.0	—	—	—	—
Thailand	Bangkok		M	—	—	—	—	—	—	—	—	—
			F	—	—	—	—	—	—	—	—	—

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

1) Data from Dept. of Growth & Development, Univ. of Tsukuba, Japan

Mean Weight (I)

(kg)

Country	People or Place	Year	Sex	Age								
				1	2	3	4	5	6	7	8	9
Indonesia ¹⁾	National	1977	M	—	10.4	12.1	13.8	15.5	15.7	18.2	19.9	21.3
			F	—	10.1	11.6	13.2	14.5	15.7	17.0	19.2	21.6
Japan	National	1963	M	9.5	11.8	13.3	14.5	17.7	19.3	21.3	23.7	26.3
		Rest 1970	F	9.0	11.2	12.5	14.0	17.3	18.8	20.7	23.2	25.8
Malaysia	Rural	1960	M	—	—	—	—	—	—	17.8	19.5	20.7
			F	—	—	—	—	—	16.4	18.6	18.7	21.8
Philippines	Rural		M	8.0	9.5	11.3	12.6	14.3	15.5	17.2	19.1	21.0
			F	7.5	9.0	10.8	12.3	14.0	15.5	16.7	18.5	20.0
Singapore	Malays	1972	M	8.8	10.5	12.3	13.9	15.2	16.7	18.0	20.0	22.0
			F	8.0	10.0	12.0	13.5	14.5	16.3	17.9	19.5	21.5
	Chinese		M	9.2	11.4	13.3	14.5	16.0	18.0	19.0	21.0	23.0
			F	8.9	10.8	12.7	14.0	15.5	17.0	18.5	20.0	22.5
Thailand	Bangkok		M	9.1	11.0	13.4	15.1	16.3	—	—	—	—
			F	8.5	10.9	13.0	14.5	15.7	—	—	—	—

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

1) Data from Dept. of Growth & Development, Univ. of Tsukuba, Japan

Mean Weight (2)

(kg)

Country	People or Place	Year	Sex	Age								
				10	11	12	13	14	15	16	17	18
Indonesia ¹⁾	National	1977	M	23.3	25.7	27.3	31.8	37.1	40.9	44.7	46.9	48.7
			F	23.4	26.3	30.3	33.4	37.6	40.4	43.2	44.6	45.9
Japan	National	1963	M	29.0	32.2	35.3	41.0	46.7	51.7	55.0	57.8	
		Rest 1970	F	29.2	33.3	38.2	42.7	46.7	49.5	51.0	51.8	—
Malaysia	Rural	1960	M	24.2	27.0	29.5	32.5	35.3	—	—	—	—
			F	24.0	28.5	30.0	—	—	—	—	—	—
Philippines	Rural		M	22.6	24.6	27.0	33.0	36.0	41.5	46.0	—	—
			F	22.5	25.0	29.0	30.5	37.2	41.0	44.5	46.2	—
Singapore	Malays	1972	M	24.0	26.5	29.0	32.0	35.0	—	—	—	—
			F	24.0	27.8	31.5	35.0	38.5	—	—	—	—
	Chinese	1972	M	25.0	26.8	30.0	33.8	36.8	—	—	—	—
			F	25.0	28.5	32.3	35.0	37.5	—	—	—	—
Thailand	Bangkok		M	—	—	—	—	—	—	—	—	
			F	—	—	—	—	—	—	—	—	

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

1) Data from Dept. of Growth & Development, Univ. of Tsukuba, Japan

MEDICAL FACILITIES

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 annexe 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.

Comparative Table of Medical Facilities in Southeast Asian Countries

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

Hospital and Other Medical Establishment with Beds (1)

	Year	General Hospitals				General and Rural Hospitals				Local or Rural Hosp.			
		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	1973					993	74,435						
	1975					591	64,960	1,646,231	12,353,700				
	1976	172	35,866	—	—					418	28,494	—	
Japan	1972	7,047	873,823										
	1974	7,198	912,006	5,984,951	250,051,580								
	1975	7,235	930,203	6,045,437	255,297,990								
	1977	7,442	968,612	6,304,787	270,333,526								
Malaysia Peninsular Malaysia	1973	28	12,289	398,299	4,827,490					34	7,340	165,288	1,838,505
Sabah	1973	3	856	25,298						10	888	32,013	
	1974	3	856	26,120						10	928	34,020	
	1975	3	856	29,441						10	928	29,014	
	1977	3	1,086	34,456	—					11	1,002	40,653	
Sarawak	1973	7	1,387							5	147	6,287	44,735
	1974	7	1,439	49,882	407,749					5	163	7,712	52,031
	1975	7	1,450	52,703	430,565					5	184	7,787	49,397
	1977	7	1,491	58,277	—					5	268	12,673	—
Philippines	1973	674	41,062										
Singapore	1973	4	3,580	106,757	870,656					1	64	744	12,283
	1974	4	3,580	103,240	858,803					1	64	957	7,320
	1975	4	3,716	109,525	877,379					2	100	1,180	15,192
	1977	6	4,012	125,911	927,410								
Thailand	1973	45	10,963	350,165	2,436,633					180	25,723		
	1974	50	10,322	316,417	4,539,373					178	27,210	1,274,778	6,384,003
	1976	59	11,198	379,776	3,264,762					200	27,997	1,826,732	9,618,216

Source: World Health Statistics Annual, 1973—1980, WHO

Hospital and Other Medical Establishment with Beds (2)

	Year	Medical Center				Internal Medicine Hospitals				Medical & Maternity Center			
		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	1973 1975 1976	446	5,757	—	—								
Japan	1972 1974 1975 1977	30,032	258,924										
Malaysia													
Peninsular Malaysia	1973												
Sabah	1973 1974 1975 1977												
Sarawak	1973 1974 1975 1977	49 56 61	325 397 402										
Philippines	1973					13	257						
Singapore	1973 1974 1975 1977												
Thailand	1973 1974 1976	53 58	977 908	31,471 53,399	175,024 182,520					361	3,424	85,760	238,740

Source: World Health Statistics Annual, 1973-1980, WHO

Hospital and Other Medical Establishment with Beds (3)

	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	1973	338	4,986	205,552	977,810					1	200	—	—
	1975	438	6,715										
	1976	14	661										
Japan	1972									29	2,109	1,493	19,806
	1974									28	2,064		
	1975									27	1,870		
	1977									25	1,753		
Malaysia						151	4,813						
Peninsular Malaysia	1973												
Sabah	1973												
	1974												
	1975												
	1977												
Sarawak	1973												
	1974												
	1975												
	1977												
Philippines	1973	73	1,966							1	900		
Singapore	1973	1	560	45,034	155,560					1	272	3,074	34,410
	1974	1	560	43,650	155,560					1	272	4,919	50,084
	1975	1	560	39,963	135,412					1	272	9,827	60,429
	1977	1	727	51,170	178,264					2	1,003	9,959	179,971
Thailand	1973			19,111	96,072					1	150	5,491	40,141
	1974	2	423							1	230	4,703	41,220
	1976	2	300							1	200	5,419	29,848

Source: World Health Statistics Annual, 1973–1980, WHO

Hospital and Other Medical Establishment with Beds (4)

	Year	Chronic Diseases Hospitals				Leprosy Hospitals				Tuberculosis Hospital			
		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	1973					33	3,447	841	1,220,162	14	871	2,023	92,724
	1975					33	3,698	—	—	15	1,127	—	—
	1976												
Japan	1972					16	14,261			126	20,151	—	—
	1974					16	14,176	177	3,414,453	103	16,280	13,190	4,238,667
	1975					16	14,003	167	3,374,430	87	13,242	11,008	3,717,167
	1977					16	13,388	200	3,275,250	61	8,190	6,719	2,174,785
Malaysia													
Peninsular Malaysia	1973					2	3,565	475	1,301,225	3	566	1,763	106,945
Sabah	1973									1	139	532	
	1974									1	139	652	
	1975									1	149	614	
	1977									2	146	525	
Sarawak	1973					1	412	48	64,475				
	1974					1	412	70	62,867				
	1975					1	412	47	49,397				
	1977					1	400	47	—				
Philippines	1973									17	9,935		
Singapore	1973	1	100	35	32,761	1	731	207	156,950				
	1974	1	117	55	36,054	1	731	232	152,205				
	1975	1	117	51	39,282	1	731	258	148,190				
	1977	1	117	56	41,084								
Thailand	1973					3	2,270	3,891	1,371,975	2	580	3,758	182,100
	1974					4	2,320	3,566	402,236	2	584	4,546	141,760
	1976					3	1,660	2,449	868,312	2	585	5,481	139,430

Source: World Health Statistics Annual, 1973-1980, WHO

Hospital and Other Medical Establishment with Beds (5)

	Year	Pediatrics Hospitals				Oto-Rhino-Larycology Hospitals				Dermato-Venereologie 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	1973 1975 1976												
Japan	1972 1974 1975 1977												
Malaysia Peninsular Malaysia	1973												
Sabah	1973 1974 1975 1977												
Sarawak	1973 1974 1975 1977												
Philippines	1973	23	971			8	103						
Singapore	1973 1974 1975 1977									1 1 1	51 47 44	673 639 596	7,504 10,310 10,253
Thailand	1973 1974 1976									1 1 1	45 50 42	151 174 177	3,775 4,959 6,841

Source: World Health Statistics Annual, 1973-1980, WHO

Hospital and Other Medical Establishment with Beds (6)

	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	1973	7	1,035							32	7,570		
	1975	4	687	6,681	100,967	1	150	866	54,828	33	6,806	10,969	1,695,557
	1976					1	150	—	—	33	6,376	—	—
Japan	1972									925	195,059		
	1974									298	202,259	148,930	76,178,801
	1975									929	204,408	146,715	77,145,783
	1977									946	215,060	150,451	80,960,198
Malaysia													
Peninsular Malaysia	1973									2	6,577	6,024	2,400,605
Sabah	1973									1	300	461	
	1974									1	300	680	
	1975									1	300	449	
	1977									1	355	337	
Sarawak	1973									1	308	739	154,957
	1974									1	340	803	165,078
	1975									1	340	733	179,918
	1977									1	348	635	—
Philippines	1973					3	745			1	7,000		
Singapore	1973					1	120	218	23,948	2		2,515	953,148
	1974					1	120	307	21,074	2		2,850	876,970
	1975					1	120	167	19,362	1		3,919	806,969
	1977									2	2,550	4,367	801,049
Thailand	1973	4	43	146	1,082					14		30,449	1,392,481
	1974	4	46	1,966	15,570					14		30,592	2,374,512
	1976	4	40	985	4,896					4	685	8,711	132,417

Source: World Health Statistics Annual, 1973-1980, WHO

Hospital and Other Medical Establishment with Beds (7)

	Year	Cancer Hospitals				Establ. for Drug Addicts				Tropical Diseases Hospital			
		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	1973	1	60	52	2,570								
	1975	1	60	52									
	1976	1	60										
Japan	1972												
	1974												
	1975												
	1977												
Malaysia													
Peninsular Malaysia	1973												
Sabah	1973												
	1974												
	1975												
	1977												
Sarawak	1973												
	1974												
	1975												
	1977												
Philippines	1973												
Singapore	1973												
	1974												
	1975												
	1977												
Thailand	1973					1	500	9,627	107,030	1	112	1,045	1,432
	1974					1	500	5,467	121,004	1	100	1,269	29,406
	1976	1	150	670	6,870	1	720	4,342	98,214	1	160	1,499	32,509

Source: World Health Statistics Annual, 1973-1980, WHO

Hospital and Other Medical Establishment with Beds (8)

	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	1973									1,371	88,086		
	1975									1,115	83,696	1,873,215	16,498,318
	1976									1,138	82,945	—	—
Japan	1972									38,175	1,364,327		
	1974									8,273	1,146,785	6,148,741	333,903,307
	1975									8,294	1,163,726	6,205,018	339,559,689
	1977									8,470	1,207,003	6,463,100	356,755,409
Malaysia													
Peninsular Malaysia	1973									220	35,150	571,789	10,474,770
Sabah	1973									15	2,183	58,299	
	1974									15	2,223	61,472	
	1975									15	2,788		
	1977									17	2,507	71,632	—
Sarawak	1973									63	2,579		
	1974									70	2,751		
	1975									75	2,788		
	1977									14	2,507	71,632	
	1977									14	2,507	71,632	—
Philippines	1973												
Singapore										17	8,147	160,148	2,260,901
	1973					4	124	891	13,681	17	8,147	160,148	2,260,901
	1974					4	142	1,631	21,706	17	8,178	158,483	2,190,086
	1975					4	45	13	11,797	14	8,005	165,499	2,124,265
	1977									14	8,574	191,707	2,160,310
Thailand	1973	2	440	435	156,682					615	51,435		
	1974	2	520	491	157,787					314	51,215	1,699,852	14,597,143
	1976									349	52,178	2,336,416	17,080,835

Source: World Health Statistics Annual, 1973–1980, WHO

Hospital Utilization by Category of Hospitals (1)

	Year	Type	All Hospitals				General Hospitals					
			Population Per Bed	Bed	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	1973	T	1,410	7.1			T	6.0				
	1975	T	1,560	6.4	143.4	54.0	T	5.0	126.1	25.3	52.1	7.5
	1976	T	1,670	6.0	—	—	T	2.6	—	—	—	—
Japan	1972	T	80	128.7			T	82.4				
	1974	T	100	104.6	560.7	79.8	T	83.2	545.7	6.6	75.1	41.8
	1975	T	100	104.9	559.2	79.9	T	83.8	544.9	6.5	75.2	42.2
	1977	T	90	106.0	567.6	81.0	T	85.1	553.7	6.5	76.5	42.9
Malaysia Peninsular Malaysia	1973	T	270	36.6	595.6	81.6	T	10.2	414.9	32.4	107.6	12.1
Sabah	1973	A	320	31.2	832.8		A	12.2	361.3	29.5		
	1974	A	320	30.9	853.8		A	11.9	361.3	30.5		
	1975	A	340	29.8	793.6		A	11.4	392.5	34.4		
	1977	T	300	33.6	986.6	—	T	14.1	447.5	31.7	—	—
Sarawak	1973	T	450	22.2			T	12.0				
	1974	T	440	22.5			A	11.8	408.9	34.7	77.6	8.2
	1975	T	460	21.8			A	11.3	411.7	36.3	81.4	8.2
	1977	A	530	18.8	538.6	—	A	11.2	438.2	39.1	—	—
Philippines	1973	T	640	15.6			T	10.2				
Singapore	1973	A	270	37.3	732.9	76.0	A	16.4	488.6	29.8	66.6	8.2
	1974	A	270	36.9	714.2	73.4	A	16.1	465.3	28.8	65.7	8.3
	1975	A	280	35.6	735.6	72.7	A	16.5	486.8	29.5	64.7	8.0
	1977	A	270	37.1	830.6	69.0	A	17.4	545.5	31.4	63.3	7.4
Thailand	1973	T	770	12.9			T	2.8	88.0	31.9	60.9	7.0
	1974	T	800	12.5	414.4	78.1	T	2.5	77.1	30.7	120.5	14.3
	1976	T	820	12.1	543.9	89.7	T	2.6	88.4	33.9	79.9	8.6

Category of Hospitals

T = total

A = Government Hospital Establishments

Source: World Health Statistics Annual, 1973–1980, Vol. 2

Hospital Utilization by Category of Hospitals (2)

	Year	Type	Local or Rural Hospitals					Medical and Maternity Centers					
			Beds Per 10,000 Pop.	Admissions		Beds Occupancy Rate (%)	Aver. Length of Stay (Days)	Type	Beds Per 10,000	Admissions		Bed Occupancy Rate (%)	Aver. Length of Stay (Days)
				Per 10,000 Pop.	Per Bed					Per 10,000 Pop.	Per Bed		
Indonesia	1976	T	2.1	—	—	—	—	T	0.4				
Japan	1972 1974 1975 1976							T	24.4				
Malaysia Peninsular Malaysia	1973	T	12.7										
Sabah	1973	A	12.7	457.3	36.1								
	1974	A	12.9	472.5	36.7								
	1975	A	12.4	386.9	31.3								
	1977	T	13.0	528.0	40.6	—	—						
Sarawak	1973	A	1.3	54.2	42.8	83.4	7.1	T	2.8				
	1974	A	1.3	63.2	47.3	87.5	6.7	T	3.3				
	1975	A	1.4	60.8	42.3	73.6	6.3	T	3.1				
	1977	A	2.0	95.3	47.3	—	—						
Philippines													
Singapore	1973	A	0.3	3.4	11.6	52.6	16.5						
	1974	A	0.3	4.3	15.0	31.3	7.6						
	1975	A	0.4	5.2	11.8	41.6	12.9						
	1977												
Thailand	1973	T	6.5					T	0.9	21.6	25.0	19.1	2.8
	1974	T	6.6	310.8	46.8	64.3	5.0	T	0.2	7.7	32.2	49.1	5.6
	1976	T	6.5	425.2	65.2	94.1	5.3	T	0.2	12.4	58.8	55.1	3.4

Hospital Utilization by Category of Hospitals (3)

	Year	Type	Tuberculosis Hospitals					Mental Hospitals					
			Beds Per 10,000 Pop.	Admissions		Bed 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	1973	A T T	0.1	0.2	2.3	29.2	45.8	T	0.6				
	1975		0.1	—	—	—	—	T	0.5	0.8	1.6	68.3	154.6
	1976		0.1	—	—	—	—	T	0.5	—	—	—	—
Japan	1972	T	1.9					T	18.4				
	1974	T	1.5	1.2	0.8	71.3	321.4	T	18.4	13.6	0.7	103.2	511.5
	1975	T	1.2	1.0	0.8	76.9	337.7	T	18.4	13.2	0.7	103.4	525.8
	1977	T	0.7	0.6	0.8	72.8	323.8	T	18.9	13.2	0.7	103.1	538.1
Malaysia Peninsular Malaysia	1973	T	0.6	1.8	3.1	51.8	60.7	A	6.9	6.3	0.9	100.0	398.5
Sabah	1973	A	2.0	7.6				A	4.3	6.6	1.5		
	1974	A	1.9	9.1				A	4.2	9.4	2.3		
	1975	A	2.0	8.2				A	4.0	6.0	1.5		
	1977	T	1.9	6.8	3.6	—	—	T	4.6	4.4	0.9	—	—
Sarawak	1973							A	2.7	6.4	2.4	137.8	209.7
	1974							A	2.8	6.6	2.4	133.0	205.6
	1975							A	2.7	5.7	2.2	145.0	245.5
	1977							A	2.6	4.8	1.8	—	—
Philippines	1973	T	2.5					A	1.7				
Singapore	1973							A	11.6	11.5	1.0	102.6	379.0
	1974							A	11.5	12.8	1.1	94.4	307.7
	1975							A	10.4	17.8	1.7	95.7	208.2
	1977							A	11.2	19.0	1.7	85.9	185.6
Thailand	1973	T	0.1	0.9	6.5	86.0	48.5	A	1.8	7.7	4.2	53.1	45.7
	1974	T	0.1	1.1	7.8	66.5	31.2	A	2.0	7.6	3.9	86.7	81.5
	1976	T	0.1	1.3	9.4	65.3	25.4	A	1.0	7.1	3.9	92.2	86.3

Hospital Utilization by Category of Hospitals (4)

	Year	Type	Maternity Hospitals				
			Beds Per 10,000 Pop.	Admissions		Bed Occupancy Rate (%)	Aver. Length of Stay (Days)
				Per 10,000 Pop.	Per Bed		
Indonesia	1973	T	0.4				
	1975	T	0.5	15.7	30.6	39.9	4.8
	1976	T	0.0	—	—	—	—
Japan	1972						
	1974						
	1975						
	1976						
	1977						
Malaysia Peninsular Malaysia	1973						
Sabah	1973						
	1974						
	1975						
	1976						
	1977						
Sarawak	1973						
	1974						
	1975						
	1976						
	1977						
Philippines	1973	T	0.5				
Singapore	1973	A	2.6	206.1	80.4	76.1	3.5
	1974	A	2.5	196.7	78.0	76.1	3.6
	1975	A	2.5	177.6	71.4	66.2	3.4
	1976	A	3.1	221.7	70.4	67.2	3.5
	1977	A	3.1	221.7	70.4	67.2	3.5
Thailand	1973						
	1974	B	0.1	4.7	45.2	62.2	5.0
	1976	B	0.1	4.6	65.6	89.7	5.0

Number of Hospitals (1)

		1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia		823	912			1,126	1,164	1,164	1,199	—	1,371	—	1,115	1,138	—
Japan		6,838	7,047	7,308	7,505	7,703	7,819	7,974	8,038	8,143	8,188	8,273	8,294	8,379	8,470
Malaysia															
Peninsular Malaysia		64	64	65	66	66	66	64	61	62	62	64			
Sabah		9	9	9	12	13			14		15	15	15		17
Sarawak		8	14	11	11	12	13	14	14	14	14	14	14		14
Philippines															
	Total	367	373	629	665	717	799	650	648	701	768	845	981		
	Public	130	135	149	166	204	318	220	217	252	254	275	370		
	Private	237	238	480	499	513	481	430	431	449	514	570	611		
Singapore															
	Total	156	165	166	164	169	174	173	179	183	187	194	189	200	207
	Government	11	11	11	11	11	11	11	13	13	13	14	14	13	13
	Private	5	5	5	5	5	5	5	7	7	7	7	8	8	8
	Other Govern- ment Clinics	140	149	150	148	153	158	157	159	163	167	173	167	179	186
Thailand		97	98	97	97	97	97	98	227	262	268	281	282		

Source: Statistics Yearbook for Asia and the Pacific 1975–1977, UN.

Number of Beds

		1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia		81,740	72,186			85,568	82,327	86,022	86,022	—	88,086	—	83,696	—	—
Japan		833,600	873,700	918,200	963,100	1,003,600	1,033,600	1,062,600	1,082,800	1,105,400	1,125,600	1,146,800	1,164,600	1,184,700	—
Malaysia															
Peninsular Malaysia		25,575	25,888	26,315	27,582	28,416	27,416	27,927	28,661	28,554	28,699	28,978			
Sabah				1,336	1,407	1,429			1,747		2,183	2,223	2,233		
Sarawak		1,654	1,833	1,878	1,882	1,930	1,939	2,000	2,073	2,204	2,254	2,282	2,358	—	—
Philippines	Total	26,126	28,486	34,802	36,446	49,622	53,793	40,289	41,207	43,034	46,080	51,099	68,946		
	Public	15,325	17,675	17,700	18,275	30,972	34,342	19,725	20,400	21,700	22,325	25,525	40,651		
	Private	10,801	10,811	17,102	18,171	18,650	20,470	20,564	20,807	21,334	23,755	25,574	28,295		
Singapore		6,671	6,817	6,851	7,000	7,004	6,979	6,891	7,346	7,981	8,031	7,872	8,005	8,609	8,574
Thailand		16,911	18,220	19,058	21,020	22,008	23,350	25,619	41,377	47,927	49,805	51,905	53,412		

Source: Statistics Yearbook for Asia and the Pacific 1975-1976, UN.

MEDICAL PERSONNEL

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 for 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 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 technicians	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 qualifications 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 radiological technicians according to their field of 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. Sanitary 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 water supply, wastes disposal, and air quality 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.

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

Comparative Table of Medical Personnel in Southeast Asian Countries

	Indonesia	Japan	Malaysia Peninsular Malaysia	Sabah	Sarawak	Philippines	Singapore	Thailand
Physicians	v	v	v	v	v	v	v	v
Medical assistants			v		v			v
Multipurpose health auxiliaries				v	v			
Dentists/Dental surgeons	v	v	v	v	v	v	v	v
Dental operating auxiliaries	v	v	v		v			v
Dental non-operating auxiliaries	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
Animal health assistants					v			v
Professional midwives	v	v	v		v	v	v	v
Assistant midwives/Auxiliary midwives	v		v					v
Auxiliary nurse-midwives			v					
Professional nurses	v	v	v		v	v	v	v
Assistant nurses/Auxiliary nurses	v	v	v	v	v		v	v
Nursing and midwifery aids	v			v		v		v
Physiotherapists/Physical therapists	v		v	v	v	v	v	v
Medical laboratory technicians	v		v	v	v	v	v	v
Assistant medical laboratory technicians	v		v	v	v	v	v	v
Medical physicist			v				v	
Medical radiological technicians	v			v	v	v	v	v
Assistant medical radiological technicians	v		v	v	v			v
Sanitarians	v	v	v	v	v	v		v
Auxiliary sanitarians	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
Other health auxiliaries and aides	v		v	v	v			v
Practitioners of traditional medicine/Midwifery								v
Dental nurses			v	v	v		v	
Nurses including nurse-midwives				v			v	

Medical and Allied Personnel (1)

		Physicians	Medical Assistants	Multi-purpose health auxiliaries	Dentists/ Dental surgeons	Dental operating auxiliaries	Dental non-operating Auxiliaries	Pharmacists/ Chemists	Pharmaceutical assistants
Indonesia	1974	7,027			1,900	552	85	1,664	14,491
	1975	8,279			2,100	800	90		16,222
	1977	10,000							
Japan	1973	124,684			39,486	20,613		71,569	
	1974	126,822			40,630			74,431	
	1976	133,416			43,336			79,242	
Malaysia	1973	1,084	1,047		233	415		42	385
	1974	1,342	1,197		251	453		44	376
	1975	1,798 G	1,162 G		306 G			34 G	
Peninsular Malaysia	1976	1,576 G	1,370 G		301 G			—	
	1977	1,438 G							
Sabah	1973	85		10	10		10	3	15
	1974	95		10	10		10	4	8
	1975	98		7	9 G			10	
Sarawak	1976	95		6	10			5	
	1977	110							
Sarawak	1973	112	175		117	22		6	25
	1974	119	189	167	111	22	11	7	26
	1975	107	217	181	27			8	40
Philippines	1976	137	186	90	27			11	
	1977								
Philippines	1973	13,464			4,124			4,555	
	1975								
	1976	13,480			4,241			4,685	
Singapore	1977	16,123							
	1973	1,565			425		92	291	158
	1974	1,586			422		108	277	158
Thailand	1975	1,622			252			288	
	1976	1,705			270			298	
	1977	1,847 R							
Thailand	1973	4,622 Y	2,089		596 Y	226	51	1,616 Y	278
	1974								
	1975	5,005	3,242		652			1,913	431
Thailand	1976	5,210							

Y: Incomplete data

G: Personnel in government services

†: Entry used for calculation of population/nursing and midwifery personnel ratios

R: Number on the registrar; Not all working in the country

Source: World Health Statistics Annual, 1973–1980, Vol. 2

Medical and Allied Personnel (2)

		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	1974 1975 1977			9,976 10,720	2,189 2,148		1,099	13,685 18,468	26,261
Japan	1973 1974 1976	21,529 22,284 23,718		26,584 †			163,625 †	163,162 † 170,705 † 188,237	
Malaysia	1973 1974 1975 1976 1977	2 G —		1,278 † 1,329 †	2,307 2,454 †	171 † 288 †	2,452 † 2,935 †	3,007 † 3,284 † 3,627 †G 4,255 †G 5,065 G	
Peninsular Malaysia	1973 1974 1975 1976 1977							650 † 695 † 789 † 856 † 888 †	567 612
Sabah	1973 1974 1975 1976 1977							235 † 283 † 324 † 370 G 353 G	
Sarawak	1973 1974 1975 1976 1977	4 4	5 6	516 † 461 †			313 † 357		
Philippines	1973 1975 1976 1977	419 431		6,915 †			8,283 † 8,519 †	26,670	4,887 5,026
Singapore	1973 1974 1975 1976 1977			2,317 † 510 †G			3,819 †	1,612 † 1,540 † 1,616 † 1,718 †	4,887
Thailand	1973 1974 1975 1976	186 549	26	10,012 †	5,690 †		957 Y†	8,227 8,779 † 23,034	594

Medical and Allied Personnel (3)

	Year	Physio-therapists/ Physical therapists	Medical laboratory technicians	Assistant medical laboratory technicians	Medical physicists	Medical radiological technicians	Assistant radiological radiological technicians	Sanitary engineers	Saniterians
Indonesia	1974	122	803	1,134		396	164		1,977
	1975	111	1,030	697		73			3,510
	1977								
Japan	1973							11,000	24,201
	1974							11,637	26,529
	1976							19,007	26,967
Malaysia	1973	20	252	345	2		165	4	388
	1974	23	284	414	2			4	418
	1975	23 G	343 G	444 G	3 G			4 G	
Peninsular Malaysia	1976	48 G	425 G	537 G	4 G			9 G	
	1977								
	1973	2	15	25		8	2		36
Sabah	1974	2	20	25		4			37
	1975	1	27	25		3			
	1976	1	36			7			
Sarawak	1977								
	1973	3	6	45			18	1	58
	1974	3	6	80		6	19	1	60
	1975	4	58	73		—		1	
	1976	4 G	59 G	81 G		6		—	
	1977								
Philippines	1973	109	1,155	394		506		86	2,654
	1975	62	1,188			520			
	1976								
	1977								
	1973	26 G	184	67		72 G			
	1974	25 G	174	70					
Singapore	1975	23 G	309	—				78	
	1976	24 G	179 G	101 G	4 G			129 G	
	1977								
Thailand	1973	73	364	803		224	132	65	336
	1974					182		74	366
	1975	79	460	1,077					
	1976								

Medical and Allied Personnel (4)

	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	1974 1975 1977	2,172 2,079	165		328				
Japan	1973 1974 1976		15,373						
Malaysia	1973	495	17		149		328		
Peninsular Malaysia	1974 1975 1976 1977	495	27		184		419 433 G		
Sabah	1973 1974 1975 1976 1977	20	2 3		31 31		30 10 26 22	418 † 456 † 478 † 459	2
Sarawak	1973 1974 1975 1976 1977		8 8	3 3	20 33		60 55 68 —		
Philippines	1973 1975 1976 1977		376						
Singapore	1973 1974 1975 1976 1977		28				192 210 219 269	4,211 †	
Thailand	1973 1974 1975 1976	4,948 5,713	317	12	560	8,535 Y†			

Medical and Allied Personnel (5)

	Year	Malaria field officers	Medical Social technicians	Health Statistics technicians	Medical Statistician	Dental hygienists	Trained of rural midwives	Traditional birth attendants	Laboratory aids
Indonesia	1974 1975 1977								
Japan	1973 1974 1976				859	22,223 27,601			
Malaysia	1973 1974 1975 1976 1977								
Peninsular Malaysia	1973 1974 1975 1976 1977								
Sabah	1973 1974 1975 1976 1977	130	2	1					
Sarawak	1973 1974 1975 1976 1977								
Philippines	1973 1975 1976 1977						3,754 G†	20,956	405
Singapore	1973 1974 1975 1976 1977			16 12 G	4 4 G				
Thailand	1973 1974 1975 1976				50	236	6,355†	7,928	

Medical and Allied Personnel (6)

	Year	Sanitary inspectors	Medical Social workers	Dental practitioners	Veterinary assistants	Nurse- midwives	Dental technicians	Dispensers	Assistant nurse- midwives
Indonesia	1974 1975 1977					892			
Japan	1973 1974 1976								
Malaysia	1973 1974 1975 1976 1977						93 G	395 G	166 G†
Peninsular Malaysia									
Sabah	1973 1974 1975 1976 1977						10 10	24	
Sarawak	1973 1974 1975 1976 1977						12 12 G	58	
Philippines	1973 1975 1976 1977	2,132 G	201				1,761		
Singapore	1973 1974 1975 1976 1977			167 163					
Thailand	1973 1974 1975 1976				1,200	10,429 †	10		

Medical and Allied Personnel (7)

	Year	Nurse	Occupational therapists	Dietitians	Radio graphers	Nursing auxiliaries	X-ray assistant technician	Health inspectors	Assistant health inspectors
Indonesia	1974 1975 1977	10,647					87		
Japan	1973 1974 1976	176,051 † 203,713							
Malaysia	1973 1974								
Peninsular Malaysia	1975 1976 1977	3,550 G† 4,169 G†	17 G	7 G 9 G	174 G 190 G		8 G 7 G	329 G 423 G	492 G 538 G
Sabah	1973 1974 1975 1976 1977			1 2	2 5	636 674		40 42	
Sarawak	1973 1974 1975 1976 1977	413 † 319	4 4 G	2 3 G	25 24 G			29	34
Philippines	1973 1975 1976 1977		50	286		5,026			
Singapore	1973 1974 1975 1976 1977	4,151 † 4,242 †	3 14 G	23 12 G	80 G 80 G			125 169 G	441 415 G
Thailand	1973 1974 1975 1976	1,043 †				1,056	201		

Medical and Allied Personnel (8)

	Year	Biochemists	Health educators	Midwives	Micro- scopists	Health assistants	Entomo- logists	Dental surgery assistants	Nutritionists	Darkroom assistants
Indonesia	1974 1975 1977									
Japan	1973 1974 1976		375	26,867 † 26,804						
Malaysia	1973									
Peninsular Malaysia	1974 1975 1976 1977	21 G 24 G	5 G 6 G	2,253 G†						
Sabah	1973 1974 1975 1976 1977	1 1			31 31	39 53	1 1			
Sarawak	1973 1974 1975 1976 1977		3	118 † 141	8		1	28 28 G	1	16 17 G
Philippines	1973 1975 1976 1977		99	7,112					339	
Singapore	1973 1974 1975 1976 1977	8 G 8 G	3 G 3 G	930 † 925 †			7 G		13 2 G	
Thailand	1973 1974 1975 1976	11	66	701 †			8		192	

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 Personnel per 10,000 Population	Population per Nursing Personnel	Nursing and Midwifery Personnel per 10,000 Population	Population per Nursing and Midwifery Personnel
Indonesia	1974	0.6	18,160	0.1	67,150	0.1	76,670			1.2	8,630	2.1	4,730
	1975	0.6	16,430	0.2	64,780							3.2	3,170
	1977	0.7	14,328									4.3	2,311
Japan	1973	11.5	870	3.6	2,740	6.6	1,510			30.2	330	32.6	310
	1974	11.6	860	3.7	2,700	6.8	1,470			31.6	320	34.1	290
	1976	11.83	845	3.8	2,600	7.0	1,420			34.8	290	37.1	269
Malaysia	1973	1.1	8,860	0.2	41,200	0.0	228,570	1.1	9,170	5.7	1,760	9.6	1,040
Peninsular Malaysia	1974	1.4	7,270	0.3	38,880	0.0	221,820	1.2	8,150	6.4	1,570	10.5	950
	1975	1.8	5,600	0.3	32,890	0.0	295,970	1.2	8,660	7.1	1,400	9.5	1,050
	1976	1.5	6,470	0.3	33,890	—	—	1.3	7,450	8.3	1,210	—	—
	1977	1.37 G	7,302									11.9 G	841
	1973	1.2	8,240	0.1	70,000	0.0	233,330	0.1	70,000	15.3	660		
Sabah	1974	1.3	7,580	—	—	0.1	180,000	0.1	72,000				
	1975	1.3	7,650	0.1	83,330	0.1	75,000	0.1	107,140	17.0	590		
	1976	1.3	8,000	0.1	76,000	0.2	50,670	0.1	126,670	17.3	580		
	1977	1.43	7,000										
	1973	1.0	10,360	1.0	9,910	0.1	193,330	1.5	6,630	4.7	2,120	9.2	1,090
Sarawak	1974	1.0	10,250	0.9	10,990	0.1	174,290	2.9	3,430	5.2	1,910	9.8	1,020
	1975	0.8	11,960	0.2	47,410	0.1	160,000	3.1	3,220	5.8	1,740	6.7	1,500
	1976	1.05	9,490	0.2	48,150	0.1	118,180	2.1	4,710	5.8	1,710	6.9	1,440
	1977											7.4 G	1,349
	1973	3.3	2,990	1.0	9,750	1.1	8,830			2.1	4,860	3.8	2,650
Philippines	1975	3.2	3,150	1.0	10,020	1.1	9,070			2.0	4,990	19.5	1,050
	1977	3.58	2,793									11.7	852
	1973	7.2	1,400	1.9	5,140	1.3	7,510			24.9	400	35.5	280
Singapore	1974	7.1	1,400	1.9	5,260	1.2	8,010			25.9	390	28.2	350
	1975	7.2	1,390	1.9	5,370	1.3	7,810			25.6	390	29.8	340
	1976	7.5	1,340	1.9	5,260	1.3	7,640			26.2	380	30.2	331
	1977	8.00 R	1,250										
	1973	1.2	8,530	0.1	66,760	0.4	24,620	0.5	19,050	2.3	4,330	8.4	1,190
Thailand	1975	1.2	8,460	0.2	64,840	0.5	22,100			5.1	1,970	6.6	1,530
	1976	1.21	8,246									8.6	1,169

Source: World Health Statistics Annual, 1973-1980, Vol. II, III, WHO.

Number of Medical Personnel (in Year) (1)

Physicians

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia	1,323	1,546	1,774	2,002	3,234	3,387	3,578	4,516		6,221	7,644	8,279	8,977	⁽⁴⁾ 10,000
Japan⁽¹⁾	108,102	109,369	110,759	111,657	113,630	115,974	118,990	123,178	125,302	126,327	128,455	132,479	134,934	138,316
Malaysia Peninsular Malaysia	1,287	1,423	1,559	1,759	1,941	2,131	2,370	1,881	⁽³⁾ 2,299	2,167	2,334	⁽³⁾ 2,511		
Sabah	51	50	50	64	66			⁽²⁾ 81	⁽²⁾ 79	⁽²⁾ 78	⁽²⁾ 81	⁽²⁾ 102		
Sarawak	57	59	67	66	83	68	80	90	104	107	119	131	135	
Philippines	20,480	22,398	24,385	27,095	28,374	29,705	31,515	32,186	33,741	35,286	36,600			
Singapore	898	919	989	1,099	1,159	1,243	1,363	1,520	1,524	1,565	1,586	1,622	1,705	1,847
Thailand	4,054	4,323	4,590	4,835	5,097	5,322	5,407	5,651	4,254	4,607	4,646	5,005	⁽⁴⁾ 5,210	

Source: Statistical Yearbook for Asia and the Pacific 1975-1977, UN.

(1) Handbook on Health and Welfare Statistics, 1969-1976, Health and Welfare Statistics Association, Tokyo.

(2) Statistical Handbook Sabah, 1975

(3) Statistical Handbook of Peninsular Malaysia, 1976

(4) World Health Statistics Annual, 1980, Vol. II, WHO.

Number of Medical Personnel (in Year) (2)

Dentists

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia	254	292	329	379	407	434	452	547		100	1,900			
Japan ⁽¹⁾	35,079	35,558	36,022	36,524	36,943	37,406	37,859	39,218	40,293	40,490	41,680	43,586	44,382	45,715
Malaysia Peninsular Malaysia			615	625	632	644	630	630	628	696	(3) 502	(3) 659		
Sabah	5	4	5	7	7		15	(2) 71	(2) 67	(2) 67	(2) 70	(2) 70		
Sarawak	142	143	139	137	130	129	131	139	136	117	128	104	116	
Philippines	10,625	11,096	11,266	11,600	11,792	11,967	12,174	12,327	12,474	12,514	12,815			
Singapore	334	342	344	366	359	391	398	406	408	409	422	419	433	464
Thailand	378	414	469	511	567	612	683	731	555	596	600	652		

Source: Statistical Yearbook for Asia and the Pacific, 1975-1977, UN.

(1) Handbook on Health and Welfare Statistics 1969-1976, Health and Welfare Statistics Association, Tokyo

(2) Statistical Handbook Sabah, 1975 (includes both public and private practitioners)

(3) Statistical Handbook of Peninsular Malaysia, 1976

Number of Medical Personnel (in Year) (3)

Pharmacists

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia⁽¹⁾	1,162	1,194	1,306	1,342	1,469	1,474	1,486			1,510	1,664			
Japan⁽²⁾	66,600	68,674	70,810	72,101	74,336	76,087	79,393	83,246	85,140	87,651	91,402	94,362	97,474	100,897
Malaysia														
Peninsular Malaysia														
Sabah														
Sarawak														
Philippines	18,813	17,421	17,866	18,150	18,653	18,747	19,076	19,332	19,620	19,765	20,365			
Singapore	105	126	148	170	206	228	245	273	264	291	337	288	298	318
Thailand⁽³⁾				1,126	1,216	1,341	1,407	1,579						

Source: Statistical Yearbook for Asia and the Pacific 1975-1977, UN.

(1) Including Practicians, Assistant Pharmacists and First Class Dispensers

(2) Handbook on Health and Welfare Statistics, 1969-1976, Health and Welfare Statistics Association, Tokyo

(3) Public Health Statistics, 1972, Ministry of Public Health, Bangkok

Number of Medical Personnel (in Year) (4)

Midwives

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Indonesia	3,278	3,359	3,241	3,334	3,529	3,658	3,752	6,977		10,840	12,165	10,720			
Japan ⁽¹⁾	43,516	43,176	43,710	31,944	29,440	28,963	28,087	27,811	27,730	26,854	26,867	26,742	26,804	26,618	26,493
Malaysia															
Peninsular Malaysia	1,706	1,499	2,527	2,161	2,780	3,082	3,509	⁽³⁾ 3,012	⁽³⁾ 3,523	⁽³⁾ 5,383	⁽³⁾ 8,246	⁽³⁾ 9,555			
Sabah	134	134	147	193	193			⁽²⁾ 145	⁽²⁾ 153	⁽²⁾ 164	⁽²⁾ 180	⁽²⁾ 195			
Sarawak	435	449	489	512	532	574	589	636	640	668	714	871	926		
Philippines	12,532	13,097	13,663	13,924	14,391	14,812	16,002	17,167	18,312	19,931	23,940				
Singapore	1,357	1,465	1,676	1,778	1,931	1,987	2,094	2,236	2,178	2,317	2,433	2,469	2,540	2,652	
Thailand ⁽⁴⁾				3,183	3,373	3,601	4,203	4,989							

Source: (1) Handbook on Health and Welfare Statistics, 1969-1976, Health and Welfare Statistics Association, Tokyo.

(2) Statistical Handbook, Sabah, 1975

(3) Statistical Handbook of Peninsular Malaysia, 1976

(4) Public Health Statistics, 1972, Ministry of Public Health, Bangkok

Number of Medical Personnel (in Year) (5)

Nurses

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Indonesia ⁽¹⁾	23,956	16,100	15,878	15,844	24,393			15,008		14,231	14,784	9,856			
Japan ⁽²⁾	229,797	245,211	265,230	228,569	239,037	254,628	273,572	290,933	305,915	316,803	336,612	361,604	382,459	404,156	431,911
Malaysia Peninsular ⁽³⁾ Malaysia	4,516	3,523	5,362	5,380	5,916	6,807	⁽⁸⁾ 7,278	⁽⁸⁾ 7,871	8,733	⁽⁸⁾ 9,474	11,513	⁽⁸⁾ 13,352			
Sabah ⁽⁴⁾	378	465	578	659	798			⁽⁷⁾ 653	⁽⁷⁾ 754	⁽⁷⁾ 830	⁽⁷⁾ 879	⁽⁷⁾ 970			
Sarawak ⁽⁵⁾	425	459	468	524	564	570	559	603	607	745	720	1,074		1,177	
Philippines	22,953	24,838	27,306	29,870	32,474	35,428	38,918	42,636	43,703	51,563	57,246				
Singapore	2,521	2,807	3,131	3,508	3,670	3,950	4,304	4,572	4,422	5,423	5,731	5,767	5,960	6,814	
Thailand ⁽⁶⁾				13,016	13,779	14,377	15,387	14,387	15,151	16,284	17,520	18,993			

Source: (1) Nurses and similar personnel

(2) Handbook and Welfare Statistics, 1969-1976 Health and

Welfare Statistics Association, Tokyo

(3) Nurses and assistant nurses

(4) Trained nurses and hospital assistants

(5) Trained nurses, assistant nurses and hospital assistant

(6) Public Health Statistics, 1972, Ministry of Public Health, Bangkok

(7) Statistical Handbook Sabah, 1975

(8) Statistical Handbook of Peninsular Malaysia, 1976