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1980

— SOUTHEAST ASIA —

**Compiled
by
Committee on Health Statistics**

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SOUTHEAST ASIAN MEDICAL INFORMATION CENTER
INTERNATIONAL MEDICAL FOUNDATION OF JAPAN
6th Toyo Kaiji Bldg., 7-2, Shinbashi 4-chome, Minato-ku, Tokyo, Japan

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PREFACE

This edition has been compiled and issued updating the contents of the 1979 edition.

March, 1980

Minoru Uematsu, M.D. (Coordinator)

Ichiro Fukushima, M.D.

Kazuo Fukutomi, Ph.D.

Hiroshi Hattori, M.D.

Masaharu Hitosugi, M.D.

Kazuho Maeda, M.D.

Seiji Ohsawa, M.Sc.

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 it 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 (km ²)	Estimated Pop. 1976 (Mean of midyear) (in thousand)	Date	Latest Census		
				Total	Male	Female
Indonesia ⁽¹⁾	1,491,564	139,616	⁽²⁾ 24 IX 1971	119,291,290	58,821,774	60,469,516
Japan ⁽²⁾	372,313	112,771	⁽²⁾ IX 1975	111,939,643	55,090,673	56,848,970
Malaysia	329,749	12,300	⁽²⁾ 24-25 VIII 1970	10,319,643	5,198,418	5,120,906
Sabah ⁽²⁾	73,711		⁽²⁾ 25 VIII 1970	6,651,304	338,227	313,077
Sarawak ⁽²⁾	124,450	*1,103	⁽²⁾ 24 VIII 1970	887,292	447,123	440,169
West Malaysia ⁽²⁾	131,588		⁽²⁾ VIII 1970	8,780,728	4,413,068	4,367,660
Philippines ⁽²⁾	300,000	43,517	⁽²⁾ 1 V 1975	41,831,045		
Singapore ⁽²⁾	581	2,278	⁽²⁾ 22 VI 1970	2,074,507	1,062,127	1,012,380
Thailand ⁽²⁾	514,000	42,960	⁽²⁾ 1 IV 1970	34,397,374	17,123,862	17,273,512

*Data from Source (2)

Source: (1) Statistik Indonesia, 1976, Biro Pusat Statistik Indonesia, Jakarta

(2) World Health Statistics Annual 1979, Vol. 1, WHO

Estimates of Mid-Year Population

	Population Estimates (in million)								
	1970	1971	1972	1973	1974	1975	1976	1977	1978
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
Malaysia	10.39	10.70	11.00	11.31	11.65	11.90	12.30	12.60	12.96
Philippines	36.85	37.90	38.99	40.12	41.30	42.52	43.75	45.03	43.35
Singapore	2.07	2.11	2.15	2.19	2.22	2.25	2.28	2.31	2.33
Thailand	36.37	37.49	38.59	39.69	40.78	41.87	42.96	44.04	45.10

Source: Monthly Bulletin of Statistics 1979, Vol. XXXIII, UN.

(x) Estimates marked by have been computed by Population Division of the United Nations and are used whenever possible to fill gaps caused by the absence of an official estimate.

Population by Age According to Sex (in thousand)

			Age-Groups in Year											Age N.SP
	Year	Sex	All Ages	0	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 & +	
Indonesia ⁽²⁾	1971	T M F	118,367 58,339 60,029	2,493 1,258 1,236	16,605 8,348 8,257	32,941 16,879 16,063	19,356 9,189 10,167	16,828 7,668 9,161	14,081 7,012 7,069	8,513 4,330 4,184	4,565 2,208 2,356	2,182 1,059 1,122	787 380 406	15 7 8
Japan ⁽¹⁾	1977	T M F	113,499 55,860 57,639	1,753 902 852	7,787 3,995 3,792	17,922 9,186 8,737	16,112 8,175 7,938	19,940 9,997 9,942	17,136 8,571 8,565	14,115 6,897 7,218	9,205 4,051 5,154	6,367 2,839 3,530	3,161 1,248 1,914	
Malaysia ⁽²⁾	1970	T	654	23	93	190	106	89	67	41	22	13		8
Sabah		M	340	12	48	98	53	47	37	23	12	7		4
		F	314	11	46	92	53	42	30	18	10	6		4
Sarawak ⁽²⁾	1970	T	887	27	122	257	160	108	84	63	40	18	7	
		M	447	14	62	132	77	54	41	32	22	10	3	
		F	440	13	60	125	83	55	43	31	18	8	4	
West Malaysia ⁽²⁾	1975	T	9,997	314	1,180	2,653	2,160	1,282	940	661	457	256	98	
		M	5,025	161	603	1,351	1,083	632	462	326	231	132	46	
		F	4,972	153	577	1,302	1,077	650	478	335	226	124	52	
Philippines ⁽²⁾	1976	T	43,751	7,019		11,749	9,322	5,834	4,006	2,789	1,777	895	361	
		M	21,872	3,638		5,976	4,652	2,819	1,954	1,359	865	437	170	
		F	21,879	3,380		5,773	4,671	3,015	2,051	1,429	912	458	190	
Singapore ⁽¹⁾	1977	T	2,308	42	175	492	555	369	259	189	130	99		
		M	1,177	22	91	252	285	187	130	100	67	44		
		F	1,132	20	85	239	270	183	129	89	63	55		
Thailand ⁽¹⁾	1977	T	43,916	1,127	5,583	11,991	8,896	6,217	3,941	2,907	1,804	1,403	47	
		M	22,061	577	2,838	6,100	4,520	3,160	1,944	1,414	863	623	22	
		F	21,855	550	2,746	5,891	4,376	3,057	1,997	1,493	941	780	25	

Source: (1) World Health Statistics Annual 1979, Vol. 1, WHO

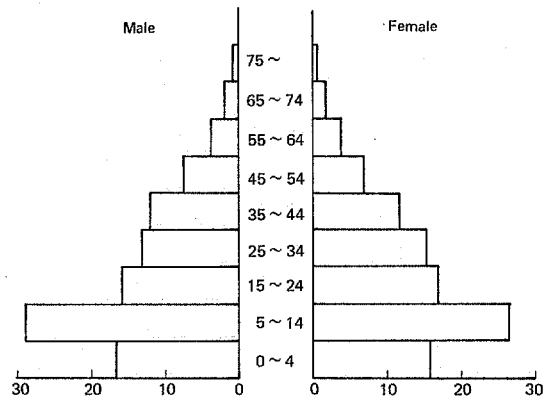
(2) Demographic Year Book 1977, UN.

Population by Urban and Rural According to Sex

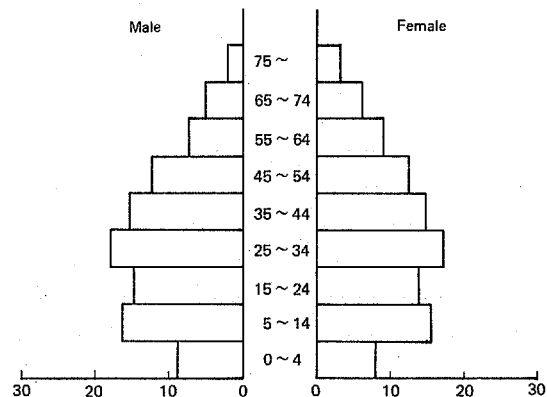
	Year	Sex	Urban	Rural	Urban Pop./Total pop. (%)	
Indonesia	1975	T M F	*25,100,900	*107,009,100	19.5	*estimated by SEAMIC
Japan	1975	T M F	84,967,269 42,018,790 42,948,479	26,972,374 13,071,883 13,900,491	75.9 76.3 75.6	
Malaysia	1970	T M F	106,670 56,677 49,993	544,634 281,550 263,084	16.4 16.8 16.0	
Sabah						
Sarawak	1970	T M F	148,590 74,660 73,930	738,702 372,463 366,239	16.7 16.7 16.8	
West Malaysia	1970	T M F	2,524,994 1,270,663 1,254,331	6,255,734 3,142,405 3,113,329	28.8 28.8 28.7	
Philippines	1970	T M F	11,677,820 5,673,570 6,004,250	25,006,660 12,576,781 12,429,885	31.8 31.1 32.6	
Singapore	1970	T M F	2,075 1,062 1,012			
Thailand	1970	T M F	4,553,100 2,257,068 2,296,032	29,844,274 14,866,794 14,977,480	13.2 13.2 13.3	

Source: Demographic Yearbook, 1977, UN.

Population Pyramid (1)

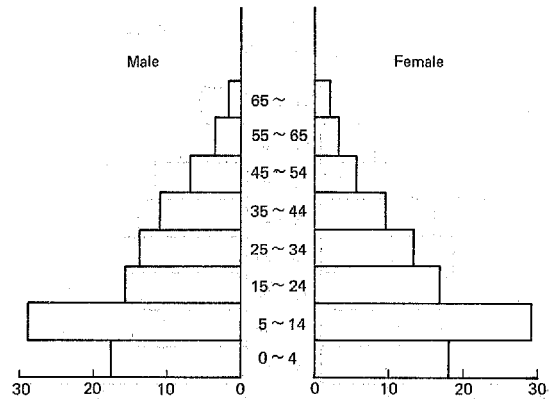


Indonesia '71

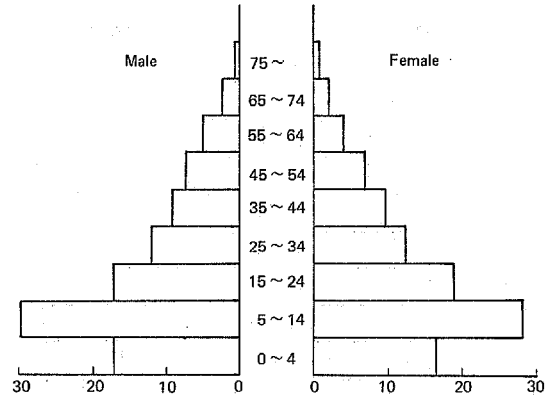


Japan '77

Population Pyramid (2)

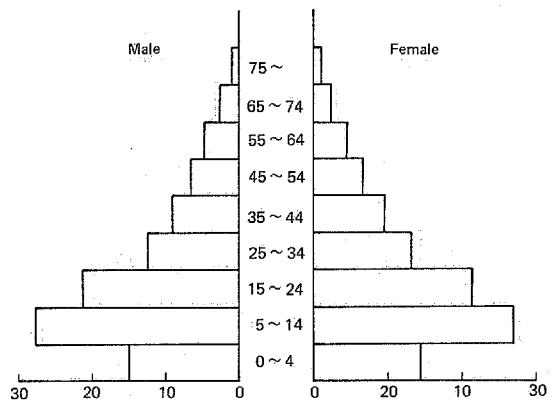


Malaysia Sabah '70

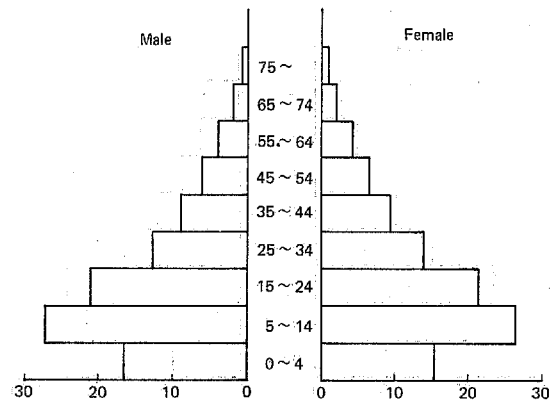


Malaysia Sarawak '70

Population Pyramid (3)

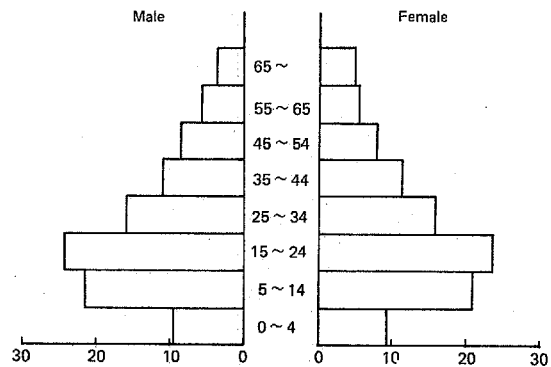


Malaysia West Malaysia '74

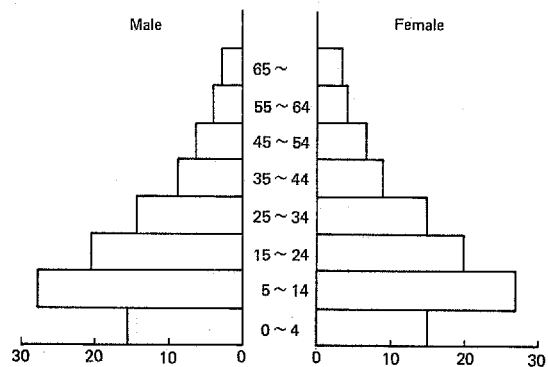


Philippines '76

Population Pyramid (4)



Singapore '77



Thailand '77

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

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

	Year	Sex	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		35 - 44	
			N	R	N	R	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F														
Japan	1977	T M F	690,074 372,175 317,899	608.0 666.3 551.5	15,666 8,988 6,678	892.6 994.9 784.1	5,701 3,259 2,442	73.2 81.6 64.4	4,867 2,989 1,878	27.2 32.5 21.5	9,952 7,031 2,921	61.8 86.0 36.8	16,754 10,641 6,113	84.0 106.4 61.5	30,176 19,770 10,406	176.1 230.7 121.5
Malaysia		T M F														
Sabah		T M F														
Sarawak		T M F														
West Malaysia		T M F														
Philippines	1975	T M F	271,136 153,505 117,631	637.7 725.1 551.0	65,263 37,600 27,663	5332.7 5891.2 4723.9	36,350 19,347 17,003	645.7 673.5 616.8	15,271 8,592 6,689	136.2 148.4 123.2	14,206 8,778 5,428	176.2 226.2 129.8	14,213 8,644 5,569	236.0 293.8 180.8	16,986 10,271 6,715	426.8 510.2 341.5
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	594 377 217	229.7 290.0 168.7
Thailand	1977	T M F	236,783 144,777 102,006	539.2 610.9 466.7	29,716 18,074 11,642	2569.5 3035.9 2074.6	17,959 9,490 8,469	312.7 334.4 308.5	16,611 9,006 7,605	138.5 147.6 129.1	18,045 11,215 6,830	202.8 248.1 156.1	14,634 9,208 5,426	236.4 291.4 177.5	18,349 11,212 7,137	465.6 576.7 357.4

Source: World Health Statistics Annual, 1979, WHO.

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

	Year Sex		Death Rates Specific for Sex and Age, per 100,000 Population (Infant Mortality per 100,000 Live-Born)								
			45 – 54 N R		55 – 64 N R		65 – 74 N R		75 & + N R		AGE N. SP.
Indonesia		T M F									
Japan	1977	T M F	57,515 36,688 20,827	407.5 531.9 288.5	87,591 52,049 35,542	951.6 1284.8 689.6	171,115 99,670 71,445	2687.5 3510.7 2023.9	290,413 130,824 159,589	9187.4 10482.7 8338.0	324 266 58
Malaysia											
Sabah		T M F									
Sarawak		T M F									
West Malaysia		T M F									
Philippines	1975	T M F	18,787 11,612 7,164	696.3 909.5 504.5	25,560 15,222 10,338	1325.2 1679.9 1011.0	62,942 32,476 30,466		4336.0 4570.2 4111.5		
Singapore	1977	T M F	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	1977	T M F	22,470 13,531 8,939	773.0 956.9 598.7	26,670 15,758 10,912	1478.4 1826.0 1159.6	65,529 33,490 32,039		4670.6 5375.6 4107.6		

Source: World Health Statistics Annual, 1979, WHO.

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

Number of Death and Death Rate by Causes (A150.I-XVII) (1)

	Year	Sex	I (A1-A44)		II (A45-A61)		III (A62-66)		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	1977	T M F	14 256 8,883 5,273	12.6 16.1 9.1	151,988 86,455 65,513	133.9 154.8 113.7	10,857 5,205 5,652	9.6 9.3 9.8	2,052 948 1,104	1.8 1.7 1.9	2,793 1,532 1,261	2.5 2.7 2.2	5,714 3,106 2,608	5.0 5.8 4.5
Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	59,730 34,410 25,320	140.5 162.5 118.6	13,019 6,875 6,144	30.6 32.5 28.8	12,317 6,524 5,793	29.0 30.8 27.1	1,797 970 827	4.2 4.6 4.9	295 187 108	0.7 0.9 0.5	4,170 2,309 1,801	9.8 11.2 8.4
Singapore	1977	T M F	523 359 164	22.7 30.5 14.5	2,326 1,419 907	100.8 120.6 80.2	429 174 255	18.6 14.8 22.5	50 20 30	2.2 1.7 2.7	12 1 11	0.5 0.1 1.0	110 59 51	4.8 5.0 4.5
Thailand	1977	T M F	25,836 14,992 10,844	58.8 68.0 49.6	7,487 4,168 3,319	17.0 18.9 15.2	2,031 965 1,066	4.6 4.4 4.9	369 172 197	0.8 0.8 0.9	410 328 82	0.9 1.5 1.4	4,513 2,635 1,878	10.3 11.9 8.6

Source: World Health Statistics Annual, 1979, WHO

Number of Death 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 Number	Rate	Diseases of the Respiratory System N	R	Diseases of the Digestive System N	R	Diseases of Genito-Urinary System N	R	Complications of Pregnancy Childbirth, etc. N	R	Diseases of the Skin and Sub- cutaneous Tissue N	R
Indonesia		T M F												
Japan	1977	T M F	299,684 151,657 148,027	264.0 271.5 256.8	46,989 26,734 20,235	41.4 47.9 35.1	37,522 22,805 14,717	33.1 40.8 25.5	10,592 5,316 5,276	9.3 9.5 9.2		0.7	834 334 500	0.7 0.6 0.9
Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	37,598 20,948 16,650	88.4 99.0 78.0	58,256 31,634 26,622	137.0 149.4 124.7	11,770 8,015 3,755	27.7 37.9 17.0	4,988 2,761 2,227	11.7 13.0 10.4			563 302 261	1.3 1.4 1.2
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		0.5	13 6 7	0.6 0.5 0.6
Thailand	1977	T M F	10,461 6,338 4,123	23.8 28.7 18.9	27,599 15,541 12,058	62.8 70.4 55.2	11,074 7,266 3,808	25.2 32.9 17.4	2,204 1,195 1,009	5.0 5.4 4.6		6.4	223 154 69	0.5 0.7 0.3

Source: World Health Statistics Annual, 1979, WHO

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

	Year	Sex	XIII (A121–A125) Diseases of the Mus- culoskeletal System & Connective Tissue		XIV (A126–A130) Congenital Anomalies		XV (A131–A135) Certain Causes of Perinatal Mortality		XVI (A136&A137) Symptoms and ill-Defined Conditions		XVII (AE138–AE150) Accidents, Poisonings and Violence	
			Number	Rate	N	R	N	R	N	R	N	R
Indonesia		T M F										
Japan	1977	T M F	3,985 983 3,002	3.5 1.8 5.2	5,692 3,028 2,664	5.0 5.4 4.6	7,643 4,463 3,180	6.7 8.0 5.5	35,545 13,986 21,559	31.3 25.0 37.4	53,562 36,640 16,922	47.2 65.6 29.4
Malaysia		T M F										
Sabah		T M F										
Sarawak		T M F										
West Malaysia		T M F										
Philippines	1975	T M F	573 347 226	1.3 1.6 1.1	2,125 1,213 912	5.0 5.7 4.3	18,098 10,662 7,436	42.6 50.4 34.8	28,842 14,800 14,042	67.8 69.9 65.8	15,242 11,488 3,754	35.8 54.3 17.6
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	1977	T M F	39 23 16	0.1 0.1 0.1	672 332 240	1.3 1.5 1.1	3,722 2,407 1,315	8.5 10.9 6.0	113,967 59,515 54,452	259.5 269.8 249.2	24,881 18,746 6,135	56.7 85.0 28.1

Source: World Health Statistics Annual, 1979, WHO

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

	Year Sex		All Causes		A2		A5		A6		A7-A10		A20	
			Number	Rate	Typhoid Fever		Enteritis and Other Diarrhoeal Diseases		T. B. of Respiratory System		T.B., Other Forms		Tetanus	
					N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1977	T M F	690,074 372,175 317,899	608.0 666.3 551.5	4 1 3	0.0 0.0 0.0	2,400 1,013 1,387	2.1 1.8 2.4	8,419 6,103 2,316	7.4 10.9 4.0	384 206 178	0.3 0.4 0.3	79 48 31	0.1 0.1 0.1
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines ⁽¹⁾	1975	T M F	271,136 153,505 117,631	608.0 666.3 551.5	585 344 241	1.4 1.6 1.1	11,818 6,894 4,924	27.8 32.6 23.1	27,038 15,559 11,479	63.6 73.5 53.8	2,398 1,354 1,044	5.6 6.4 4.9	4,244 2,564 1,680	10.0 12.1 7.9
Singapore	1977	T M F	11,952 6,962 4,990	517.8 591.7 441.0	4 4 0	0.2 0.3 —	57 26 31	2.5 2.2 2.7	293 229 64	12.7 19.5 5.7	47 34 13	2.0 2.9 1.1	3 2 1	0.1 0.2 0.1
Thailand	1977	T M F	236,783 134,777 102,006	539.2 610.9 466.7	560 292 268	1.3 1.3 1.2	6,670 3,784 2,886	15.2 17.2 13.2	6,495 4,078 2,416	14.8 18.5 11.1	135 81 54	0.3 0.4 0.2	1,095 668 427	2.5 3.0 2.0

Source: World Health Statistics Annual, 1979, WHO

Number of Death 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	1977	T	138	0.1	1,040	0.9	1,792	1.6	1,485	1.3	5,241	4.6	50,132	44.2
		M	75	0.1	566	1.0	971	1.7	1,007	1.8	4,057	7.3	30,326	54.3
		F	63	0.1	474	0.8	821	1.4	478	0.8	1,184	2.1	19,806	34.4
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T	3,632	8.5	649	1.5	9,366	22.0	849	2.0	142	0.3	1,208	2.8
		M	1,847	8.7	430	2.0	5,418	25.6	474	2.2	87	0.4	687	3.2
		F	1,785	8.4	219	1.1	3,948	18.5	375	1.8	55	0.3	521	2.4
Singapore	1977	T	6	0.3	7	0.3	106	4.6	172	7.5	124	5.4	364	15.8
		M	2	0.2	5	0.4	57	4.8	126	10.7	88	7.5	238	20.2
		F	4	0.4	2	0.2	49	4.3	46	4.1	36	3.2	126	11.1
Thailand	1977	T	67	0.2	9	0.0	10,805	24.6	433	1.0	116	0.3	270	0.6
		M	34	0.2	2	0.0	6,052	27.4	272	1.2	92	0.4	171	0.8
		F	33	0.2	7	0.0	4,753	21.7	161	0.7	24	0.1	99	0.5

Source: World Health Statistics Annual, 1979, WHO

Number of Death by Causes (A 150) (3)

	Year	Sex	A48		A49		A50		A51		A52		A53	
			Malignant Neoplasm of Intestine, Except Rectum		Malignant Neoplasm of Rectum and Rectosigmoid Junction		Malignant Neoplasm of Larynx		Malignant Neoplasm of Trachea, Bronchus and Lung		Malignant Neoplasm of Bone		Malignant Neoplasm of Skin	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1977	T M F	6,758 3,253 3,505	6.0 5.8 6.1	6,273 3,493 2,780	5.5 6.3 4.8	869 742 127	0.8 1.3 0.2	17,235 12,542 4,693	15.2 22.5 8.1	684 404 280	0.6 0.7 0.5	785 409 376	0.7 0.7 0.7
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	552 303 249	1.3 1.4 1.2	141 84 57	0.3 0.4 0.3	92 64 28	0.2 0.3 0.1	1,182 818 364	2.8 3.9 1.7	414 238 176	1.0 1.1 0.8	210 111 99	0.5 0.5 0.5
Singapore	1977	T M F	126 65 61	5.5 5.5 5.4	87 56 31	3.8 4.8 2.7	31 27 4	1.3 2.3 0.4	508 376 132	22.0 32.0 11.7	11 7 4	0.5 0.6 0.4	6 1 5	0.3 0.1 0.4
Thailand	1977	T M F	370 201 169	0.8 0.9 0.8	18 13 5	0.0 0.1 0.0	29 23 6	0.1 0.1 0.0	706 486 220	1.6 2.2 1.0	91 55 36	0.2 0.2 0.2	25 17 8	0.1 0.1 0.0

Source: World Health Statistics Annual, 1979, WHO

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

	Year	Sex	A54		A55		A56		A57		A58		A59	
			Malignant Neoplasm of Breast Number	Rate	Malignant Neo- plasm of Cervix Uteri N	R	Other Malignant Neoplasm of Uterus N	R	Malignant Neo- plasm of Prostate N	R	Malignant Neo- plasm of Other & Unspecified Sites N	R	Leukaemia N	R
Indonesia		T M F												
Japan	1977	T M F	3,609 39 3,570	3.2 0.1 6.2							36,941 20,250 16,691	32.5 36.3 29.0	4,411 2,527 1,884	3.9 4.5 3.3
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	675 35 640	1.6 0.2 3.0							4,621 2,746 1,875	10.9 13.0 8.8	1,068 565 503	2.5 2.7 2.4
Singapore	1977	T M F	89 1 88	3.9 0.1 7.8							545 337 208	23.6 28.6 18.4	66 37 29	2.9 3.1 2.6
Thailand	1977	T M F	113 — 113	0.3 — 0.5							4,578 2,659 1,919	10.4 12.1 8.8	181 109 72	0.4 0.5 0.3

Source: World Health Statistics Annual, 1979, WHO

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

	Year	Sex	A60 Other Neoplasms of Lymphatic and Haem- topoietic Tissue		A61 Benign Neoplasms and Neoplasms of Unspecified Nature		A64 Diabetes Mellitus		A65 Avitaminoses and Other Nutritional Deficiency		Other		A67 Anaemias	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1977	T M F	4,207 2,591 1,616	3.7 4.6 2.8	6,196 3,367 2,829	5.5 6.0 4.9	9,509 4,550 4,959	8.4 8.1 8.6	480 240 240	0.4 0.4 0.4	868 415 453	0.8 0.7 0.8	1,418 660 758	1.2 1.2 1.3
Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	459 267 192	1.1 1.3 0.9	526 230 296	1.2 1.1 1.4	1,079 520 559	2.5 2.6 2.6	11,042 5,913 5,129	26.0 27.9 24.0	196 91 105	0.5 0.4 0.5	1,520 816 704	3.6 3.9 3.3
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	1977	T M F	81 55 26	0.2 0.2 0.1	15 7 8	0.0 0.0 0.0	981 461 520	2.2 2.1 2.4	1,009 485 524	2.3 2.2 2.4	41 19 22	0.1 0.1 0.1	317 146 171	0.7 0.7 0.8

Source: World Health Statistics Annual, 1979, WHO

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

	Year	Sex	A68 Other Diseases of Blood and Blood- Forming Organs		A69 Psychoses		A70 Neuroses Personality Disorders and Other Nonpsychotic Mental Disorders		A71 Mental Retardation		A72 Meningitis		A73 Multiple Sclerosis	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1977	T M F	634 288 346	0.6 0.5 0.6	1,791 729 1,062	1.6 1.3 1.8	954 785 169	0.8 1.4 0.3	48 18 30	0.0 0.0 0.1	785 448 337	0.7 0.8 0.6	67 28 39	0.1 0.1 0.1
Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	277 154 123	0.7 0.7 0.6	112 62 50	0.3 0.3 0.2	157 114 43	0.4 0.5 0.2	26 11 15	0.1 0.1 0.1	2,410 1,418 992	5.7 6.7 4.6	39 11 28	0.1 0.1 0.1
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	1977	T M F	52 26 26	0.1 0.1 0.1	34 19 15	0.1 0.1 0.1	375 308 67	0.9 1.4 0.3	1 1 1	0.0 0.0 0.0	847 476 371	1.9 2.2 1.7		

Source: World Health Statistics Annual, 1979, WHO

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

	Year	Sex	A74		Other		A80		A81		A82		A83	
			Epilepsy				Active Rheumatic Fever		Chronic Rheumatic Heart Disease		Hypertensive Disease		Ischaemic Heart Disease	
			Number	Rate	N	R	N	R	N	R	N	R	N	R
Indonesia		T M F												
Japan	1977	T M F	710 405 305	0.6 0.7 0.5	4,152 2,225 1,927	3.7 4.0 3.3	254 84 170	0.2 0.2 0.3	3,573 1,450 2,123	3.1 2.6 3.7	19,333 8,255 11,078	17.0 14.8 19.2	45,166 24,976 20,190	39.8 44.7 35.0
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	585 331 254	1.4 1.6 1.2	1,136 609 527	2.7 2.9 2.5	55 34 21	0.2 0.2 0.2	1,953 912 1,041	4.6 4.3 4.9	7,135 4,017 3,118	16.8 19.0 14.6	11,556 6,814 4,742	27.2 32.2 22.2
Singapore	1977	T M F	9 5 4	0.4 0.4 0.4	77 40 37	3.3 3.4 3.3			101 57 44	4.4 4.8 3.9	260 110 150	11.3 9.3 13.3	1,662 1,061 601	72.0 90.2 53.1
Thailand	1977	T M F	149 87 62	0.3 0.4 0.3	3,517 2,072 1,455	8.0 9.4 6.6	2 1 1	0.0 0.0 0.0	239 123 116	0.5 0.6 0.5	1,286 765 521	2.9 3.5 2.4	114 82 32	0.3 0.4 0.1

Source: World Health Statistics Annual, 1979, WHO

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

	Year	Sex	A84		A85		A86		A87		A88		A89	
			Other Forms of Heart Disease Number	Rate	Cerebrovascular Disease N	R	Diseases of Arteries, Arterioles and Capillaries N	R	Venous Thrombosis and Embolism N	R	Other Diseases of Circulatory System N	R	Acute Respiratory Infections N	R
Indonesia		T M F												
Japan	1977	T M F	54,825 26,653 28,172	48.3 47.7 48.9	170,029 86,807 83,222	149.8 156.4 144.4	5,552 2,863 2,689	4.9 5.1 4.7	273 163 110	0.2 0.3 0.2	679 406 273	0.6 0.7 0.5	3,446 1,592 1,854	3.0 2.8 3.2
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	9,500 4,992 4,508	22.3 23.6 21.1	4,566 2,680 1,886	10.7 12.7 8.8	1,705 854 851	4.0 4.0 4.0	321 162 159	0.8 0.8 0.7	807 483 324	1.9 2.3 1.5	3,212 1,743 1,469	7.6 8.2 6.9
Singapore	1977	T M F	403 225 178	17.5 19.1 15.7	1,360 661 699	58.9 56.2 61.8	71 43 28	3.1 3.7 2.5	16 7 9	0.7 0.6 0.8	16 11 5	0.7 0.9 0.4	5 2 3	0.2 0.2 0.3
Thailand	1977	T M F	5,667 3,421 2,246	12.9 15.5 10.3	2,948 1,826 1,122	6.7 8.3 5.1	17 10 7	0.0 0.0 0.0	2 1 1	0.0 0.0 0.0	186 109 77	0.4 0.5 0.4	19,042 10,397 8,645	43.4 47.1 39.6

Source: World Health Statistics Annual; 1979, WHO

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

	Year	Sex	A90		A91&A92		A93		Other		A98		A100	
			Influenza Number	Rate	Pneumonia N	R	Bronchitis, Emphysema and Asthma N	R	N	R	Peptic Ulcer N	R	Appendicitis N	R
Indonesia		T M F												
Japan	1977	T M F	682 328 354	0.6 0.6 0.6	26,440 14,361 12,099	23.3 25.7 21.0	12,148 7,636 4,512	10.7 13.7 7.8	4,253 2,837 1,416	3.7 5.1 2.5	5,924 3,777 2,147	5.2 6.8 3.7	269 130 139	0.2 0.2 0.2
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	2,172 1,168 1,004	5.1 5.5 4.7	43,349 23,458 19,891	102.0 110.8 93.2	6,454 3,609 2,845	15.2 17.0 13.3	3,069 1,856 1,413	7.2 7.8 6.6	4,297 2,942 1,355	10.1 13.9 6.5	377 251 126	0.9 1.2 0.6
Singapore	1977	T M F	11 2 9	0.5 0.2 0.8	1,215 656 559	52.6 55.7 49.4	254 158 86	11.0 14.3 7.6	417 285 132	18.1 24.2 11.7	77 49 28	3.3 4.2 2.5	8 5 3	0.3 0.4 0.3
Thailand	1977	T M F	777 451 326	1.8 2.0 1.5	6,055 3,585 2,470	13.8 16.3 11.3	1,190 772 418	2.7 3.5 1.9	535 336 199	1.2 1.5 0.9	1,416 920 496	3.2 4.2 2.3	154 81 73	0.4 0.4 0.3

Source: World Health Statistics Annual; 1979, WHO

Number of Death 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	1977	T M F	2,532 1,246 1,286	2.2 2.2 2.2	15,453 11,191 4,262	13.6 20.0 7.4	2,663 1,133 1,530	2.3 2.0 2.7	10,681 5,328 5,353	2.3 2.0 2.7	5,314 2,676 2,638	4.7 4.8 4.6	1,452 432 1,020	1.3 0.8 1.8
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	1,528 993 535	3.6 4.7 2.5	1,650 1,263 387	3.9 6.0 1.8	133 69 64	0.3 0.3 0.3	3,785 2,497 1,288	8.9 11.8 6.0	3,809 1,720 1,349	7.2 8.1 6.3	523 288 235	1.2 1.4 1.1
Singapore	1977	T M F	25 14 11	1.1 1.2 1.0	122 94 28	5.3 8.0 2.5	13 7 6	0.6 0.6 0.5	137 84 53	5.9 7.1 4.7	237 125 112	10.3 10.6 9.9	10 2 8	0.4 0.2 0.7
Thailand	1977	T M F	226 148 78	0.5 0.7 0.4	1,631 1,208 423	3.7 5.5 1.9	167 111 56	0.4 0.5 0.3	7,480 4,798 2,682	17.0 21.7 12.3	1,532 867 665	3.5 3.9 3.0	25 14 11	0.1 0.1 0.1

Source: World Health Statistics Annual; 1979, WHO

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

	Year	Sex	A109		Other		A121		Other		A126		A127	
			Hyperplasia of Prostate Number	Rate	N	R	Arthritis and Spondylitis N	R	N	R	Spina Bifida N	R	Congenital Anomalies of Heart N	R
Indonesia		T M F												
Japan	1977	T M F	696	1.2	3,130 1,512 1,618	2.8 2.7 2.8	2,531 600 1,931	2.2 1.1 3.4	1,454 383 1,071	1.3 0.7 1.9	102 45 57	0.1 0.1 0.1	3,189 1,668 1,521	2.8 3.0 2.6
Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	35	0.2	1,361 718 643	3.2 3.4 3.0	241 156 85	0.6 0.7 0.4	332 191 141	0.8 0.9 0.7	9 4 5	0.0 0.0 0.0	1,308 746 562	3.1 3.5 2.6
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	1977	T M F	14	0.1	633 300 333	1.4 1.4 1.5	10 4 6	0.0 0.0 0.0	29 19 10	0.1 0.1 0.0			231 126 105	0.5 0.6 0.5

Source: World Health Statistics Annual, 1979, WHO

Number of Death 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	1977	T M F	2,401 1,315 1,086	2.1 2.4 1.9	28,381 9,831 18,550	25.0 17.6 32.2	7,164 4,155 3,009	6.3 7.4 5.2	12,095 9,226 2,869	10.7 16.5 5.0	1,764 1,449 315	1.6 2.6 0.5	864 556 308	0.8 1.0 0.5
Malaysia														
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	808 463 345	1.9 2.2 1.6	12,582 5,614 6,968	29.6 26.5 32.6	16,260 9,186 7,074	40.1 44.8 35.3	1,447 1,035 412	3.4 4.9 1.9	52 42 10	0.1 0.2 0.0	61 39 22	0.1 0.2 0.1
Singapore	1977	T M F	71 45 26	3.1 3.8 2.3	566 247 319	24.5 21.0 28.2	84 62 22	3.6 5.3 1.9	264 192 72	11.4 16.3 6.4	39 37 2	1.7 3.1 0.2	7 5 2	0.3 0.4 0.2
Thailand	1977	T M F	341 206 135	0.8 0.9 0.6	47,282 22,812 24,470	107.7 103.4 112.0	66,685 36,703 29,982	151.8 166.4 137.2	5,786 4,299 1,487	13.2 19.5 6.8	174 143 31	0.4 0.6 0.1	219 124 95	0.5 0.6 0.4

Source: World Health Statistics Annual; 1979, WHO

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

	Year	Six	AE141		AE142		AE143		AE144		AE145		AE146	
			Accidental Falls Number	Rate	Accidents Caused by Fires N	R	Accidental Drowning and Submersion N	R	Accident Caused by Firearm Missiles N	R	Accidents Mainly of Industrial Type N	R	All Other Accidents N	R
Indonesia		T M F												
Japan	1977	T M F	4,380 3,039 1,341	3.9 5.4 2.3	1,637 988 649	1.4 1.8 1.1	3,868 2,795 1,073	3.4 5.0 1.9	14 13 1	0.0 0.0 0.0	2,333 2,032 301	2.1 3.6 0.5	3,397 2,309 1,008	3.0 4.1 1.9
Malaysia		T M F												
Sabah		T M F												
Sarawak		T M F												
West Malaysia		T M F												
Philippines	1975	T M F	464 358 106	1.1 1.7 0.5	43 20 23	0.1 0.1 0.1	970 663 307	2.3 3.1 1.4	5 4 1	0.0 0.0 0.0	184 163 21	0.4 0.8 0.1	4,913 3,479 1,434	11.6 16.4 6.7
Singapore	1977	T M F	64 57 7	2.8 4.8 0.6	7 2 5	0.3 0.2 0.4	60 53 7	2.6 4.5 0.6	2 2	0.1 0.2	41 35 6	1.8 3.0 0.5	19 10 9	0.8 0.8 0.8
Thailand	1977	T M F	359 270 89	0.8 1.2 0.4	229 138 91	0.5 0.6 0.4	2,011 1,271 740	4.6 5.8 3.4	377 324 53	0.9 1.5 0.2	764 619 146	1.7 2.8 0.7	4,444 3,150 1,294	10.1 14.3 5.9

Source: World Health Statistics Annual; 1979, WHO

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

	Year	Sex	AE147		AE148		AE149		AE150	
			Suicide and Self Inflicted Injury Number	Rate	Homicide & Injury Purposely Inflicted by Other Persons; Legal Intervention N	R	Injury unde- termined whether accidentally or purposely inflicted N	R	Injury Resulting from Operations War N	R
Indonesia		T M F								
Japan	1977	T M F	20,269 12,299 7,970	17.9 22.0 13.8	1,376 813 563	1.2 1.5 1.0	1,558 1,115 443	1.4 2.0 0.8	7 6 1	0.0 0.0 0.0
Malaysia										
Sabah		T M F								
Sarawak		T M F								
West Malaysia		T M F								
Philippines	1975	T M F	371 202 169	0.9 1.0 0.8	591 535 56	1.4 2.5 0.3	6,041 4,852 1,189	14.2 22.9 5.6	105 100 5	0.2 0.3 0.0
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	1977	T M F	2,456 1,303 1,153	5.6 5.9 5.3	8,058 7,104 954	18.3 32.2 4.4	4 1 3	0.0 0.0 0.0		

Source: World Health Statistics Annual; 1979, WHO

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

	Year	1	2	3	4	5
Indonesia						
Japan	1975	Diseases of the Circulatory Systems	Neoplasms	Accidents, Poisoning and Violence	Diseases of the Respiratory System	Diseases of the Digestive System
Malaysia						
Sabah						
Sarawak						
West Malaysia						
Philippines	1974	Infective and Parasitic Diseases	Diseases of the Respiratory System	Diseases of the Circulatory System	Certain Causes of Perinatal Mortality	Accidents, Poisonings and Violence
Singapore	1977	Diseases of the Circulatory System	Neoplasms	Diseases of the Respiratory System	Accidents, Poisonings and Violence	Infective and Parasitic Diseases
Thailand	1977	Diseases of the Respiratory System	Infective and Parasitic Diseases	Accidents, Poisonings and Violence	Diseases of the Digestive System	Diseases of the Circulatory System

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

10 Leading Causes of Death (From "A" List) (2)

	Year	6	7	8	9	10
Indonesia						
Japan	1977	Infective and Parasitic Diseases	Endocrine, Nutritional and Metabolic Diseases	Diseases of Genito-Urinary System	Certain Causes of Perinatal Mortality	Diseases of the Nervous System and Sense Organs
Malaysia Sabah						
Sarawak						
West Malaysia						
Philippines	1975	Neoplasms	Endocrine, Nutritional and Metabolic Diseases	Diseases of the Digestive System	Diseases of Genito-Urinary System	Diseases of the Nervous Sense Organ
Singapore	1977	Endocrine, Nutritional and Metabolic Diseases	Diseases of the Digestive System	Diseases of the Genito-Urinary System	Certain Causes of Perinatal Mortality	Congenital Anomalies
Thailand	1977	Neoplasms	Diseases of the Nervous System and Sense Organs	Certain Causes of Perinatal Mortality	Complications of Pregnancy Childbirth, etc.	(1) Diseases of Genito-Urinary System

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

(1) Female only

DEATH 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	
			Number	Rate	Cholera		Typhoid Fever		Bacillary Dysentery and Amoebiasis		Enteritis and Other Diarrhoeal Diseases		Tuberculosis of Respiratory System	
					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														
Sabah ⁽²⁾	1975	T M F	2,048				3		1		115		90	
			1,226				3				61		59	
			822						1		54		31	
Sarawak ⁽³⁾	1975	T M F	4,574 ^{(6)†}		1		10		3 ^{(6)†}		16 ^{(6)†}		29	
					1		8						24	
							2						5	
West Malaysia ⁽⁴⁾	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
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 Tokyo, 1979

(2) Perangkaan Penting Vital Statistics Sarawak, 1975.

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

(4) Perangkaan Penting Vital Statistics Peninsular 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 Number Rate	Plague N R		Diphtheria N R		Whooping Cough N R		Streptococcal Sore Throat and Scarlet Fever N R		Meningococcal Infection 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													
Sabah ⁽²⁾	1975	T M F	29 19 10			6 4 2							
Sarawak ⁽³⁾	1975	T M F	38 26 12			2 2				1 1			
West Malaysia ⁽⁴⁾	1975	T M F	43 0.4 27 0.5 16 0.3			25 0.3 12 0.2 13 0.3		1 0.0 1 0.0					
Philippines ⁽⁵⁾	1974	T M F	2,409 5.8			519 1.3		58 0.1		4 0.0		153 0.4	
Singapore ⁽⁶⁾	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 Sarawak, 1975

(3) Perangkaan Penting Jemenanjung Malaysia Peninsular Malaysia, 1975

(4) Perangkaan Penting Vital Statistics Peninsular 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 Deaths by Causes (B50) (3)

	Year	Sex	B12		B13		B14		B15		B16		B17	
			Acute poliomyelitis	Rate	Smallpox		Measles		Typhus and other Rickettsioses		Malaria		Syphilis and its Seguelae	
			Number		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		0.2 0.3 0.1	
Malaysia														
Sabah ⁽²⁾	1975	T M F					1 1				54 32 22		2 2	
Sarawak ⁽³⁾	1975	T M F					2 2				1 1		1 1	
West Malaysia ⁽⁴⁾	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
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 Sarawak, 1975.

(3) Perangkaan Penting Semenanjung Malaysia: Peninsular Malaysia, 1975.

(4) Perangkaan Penting Vital Statistics Peninsular 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 Number	Rate	Malignant Neoplasms, inc. N. of Lymphatic & Haematopoietic Tissue N	R	Benign Neoplasms and Neoplasms of Unspecified Nature N	R	Diabetes Mellitus N	R	Avitaminoses and Other Nutritional Deficiency N	R	Anaemias 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														
Sabah ⁽²⁾	1975	T M F	45 31 14		132 83 49		1 1		19 6 13		17 11 6		25 14 11	
Sarawak ⁽³⁾	1975	T M F	62 30 32		128 83 45		6 3 3		7 4 3				6 1 5	
West Malaysia ⁽⁴⁾	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	334 184 150	3.3 3.7 3.0	171 107 64	1.7 2.1 1.3	212 116 96	2.1 2.3 1.9
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 Sarawak, 1975

(3) Perangkaan Penting Semenanjung Malaysia Peninsular Malaysia, 1975

(4) Perangkaan Penting Vital Statistics Peninsular 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 Number	Rate	Active Rheumatic Fever N	R	Chronic Rheumatic Heart Disease N	R	Hypertensive Disease N	R	Ischaemic Heart Disease N	R	Other Forms of Heart Disease 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 35.0		48.3 47.7 48.9
Malaysia														
Sabah ⁽²⁾	1975	T M F	34 21 13		1 1		4 1 3		24 12 12		41 31 10		78 48 30	
Sarawak ⁽³⁾	1975	T M F	17 9 8		1 1		10 4 6				59 ^{(6)†}		283 171 112	
West Malaysia ⁽⁴⁾	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
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 Sarawak, 1975

(3) Perangkaan Penting Semenanjung Malaysia Peninsular Malaysia, 1975

(4) Perangkaan Penting Vital Statistics Peninsular 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 Deaths and Death Rate by Causes (B50) (6)

	Year	Sex	B30		B31		B32		B33		B34		B35	
			Cerebrovascular Disease Number	Rate	Influenza N	R	Pneumonia N	R	Bronchitis, Emphysema and Asthma N	R	Peptic Ulcer N	R	Appendicitis 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														
Sabah ⁽²⁾	1975	T M F	68 39 29				198 114 84		22 14 8		15 12 3		1 1	
Sarawak ⁽³⁾	1975	T M F	105 ^{(6)†}				178 97 81		9 7 2		6 6		1 1	
West Malaysia ⁽⁴⁾	1975	T M F	1,548 914 634	15.5 13.2 12.8			1,252 718 534	12.6 14.3 10.7	241 160 81	2.4 3.2 1.6	133 100 33	1.3 2.0 0.5	5 1 4	0.1 0.0 0.1
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 Sarawak, 1975

(3) Perangkaan Penting Semenanjung Malaysia Peninsular Malaysia, 1975

(4) Perangkaan Penting Vital Statistics Peninsular 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)

* Death rates for live-birth, per 100,000 population

	Year	Sex	B36		B37		B38		B39		B40		B41	
			Intestinal Obstruction and Hernia	Rate	Cirrhosis of Liver	R	Nephritis and Nephrosis	R	Hyperplasia of Prostate	R	Abortion	R	Other Complication of Pregnancy, Childbirth and the Puerperium Delivery without Mention of Complication	R
			Number		N		N		N		N		N	
Indonesia		T M F												
Japan ⁽¹⁾	1977	T M F		2.2 2.2 2.2		13.6 20.0 7.4		5.5 5.7 5.4		0.6 1.2		0.0 0.0		0.3 0.7
Malaysia														
Sabah ⁽²⁾	1975	T M F	23 16 7		24 20 4		20 7 13		2 2		3 3		13 13	
Sarawak ⁽³⁾	1975	T M F	7 5 2		10 5 5		45 26 19						7 7	
West Malaysia ⁽⁴⁾	1975	T M F	116 75 41	1.2 1.5 0.8	267 222 45	2.8 4.4 0.9	311 189 122	3.1 3.8 2.5	7 7	0.1 0.1	15 15	0.2 0.3	78 78	0.8 1.6
Philippines ⁽⁵⁾	1974	T M F	1,584	3.8	1,694	4.1	3,670	8.9	24		131		1,486	137.8*
Singapore ⁽⁵⁾	1976	T M F	19	0.8	165	7.2	214	9.4	7	4.6	1	0.1	5	11.7*
Thailand ⁽⁶⁾	1976	T M F			1,545	3.6							1,641	3.8

Source: (1) Vital Statistics Japan, 1979

(2) Perangkaan Penting Vital Statistics Sarawak, 1975.

(3) Perangkaan Penting Semenanjung Malaysia Peninsular Malaysia, 1975.

(4) Perangkaan Penting Vital Statistics Peninsular 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)

• Death rates for live-birth per 100,000 population

	Year	Sex	B42		B43		B44		B45		B46		B47	
			Congenital Anomalies		Birth Injury, Difficult Labour and Other Anoxic and Hypoxic Conditions		Other Causes of Perinatal Mortality		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		10.7 16.5 5.0
Malaysia														
Sabah ⁽²⁾	1975	T M F	28 15 13		27 13 14		213 115 98		316 161 155		120 85 35		134 109 25	
Sarawak ⁽³⁾	1975	T M F	18 10 8		47 32 15						781 396 385		37 28 9	
West Malaysia ⁽⁴⁾	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
Philippines ⁽⁵⁾	1974	T M F		1958 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 Sarawak, 1975

(3) Perangkaan Penting Semenanjung Malaysia Peninsular Malaysia, 1975

(4) Perangkaan Penting Vital Statistics Peninsular 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 Number	Rate	Suicide and Self- Inflicted Injuries N	R	All Other External Causes 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								
Sabah ⁽²⁾	1975	T M F	13 10 3		16 10 6		70 43 27	
Sarawak ⁽³⁾	1975	T M F	57 47 10		34 17 17			
West Malaysia ⁽⁴⁾	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
Philippines ⁽⁵⁾	1974	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 Sarawak, 1975

(3) Perangkaan Penting Semenanjung Malaysia Peninsular Malaysia, 1975

(4) Perangkaan Penting Vital Statistics Peninsular 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 Para- typhoid Fever	Typhoid Fever	Para- typhoid Fever	Other Salmonella Infection	Amoebiasis and Bacillary Dysentery	Amoebiasis	Bacillary Dysentery	Food Poisoning	Tuber- culosis of All Forms	Leprosy Incidence	Diphtheria
Indonesia	1976	T	47,149		5,547								12,527	962
	1977	T	29,942		8,088						2,412			488
Japan	1977	T	29	423	346	77	2,180	737	11	726	20,868	92,219	64	122
		M	23	234	187	47		447	10	437				67
		F	6	189	159	30		290	1	289				55
Malaysia														
Sabah	1977	T	204	64	62	2	24	242	105	137	99	2,233	10	8
		M	111											
		F	93											
Sarawak	1977	T	240		573					546	37	1,520	22	7
		M												
		G												
West Malaysia ¹⁾	1976	T	55	1,183	1,146	37	41	462	351	111	483	7,117	220	179
		M												
		F												
Philippines ²⁾	1974	T	2,104	3,767				23,552				142,250	624	2,884
		M		2,170								71,694		1,615
		F		1,597								70,556		1,269
Singapore	1977	T	11	215	203	12					578	2,760	92	1
		M	7	146	139	7						1,892		1
		F	4	69	64	5						868		0
Thailand	1977	T	383	11,901	11,839	62		12,400	566	11,834	5,915	43,826	4,540	2,290
		M	228	6,371	6,337	34			319					1,368
		F	155	5,530	5,502	28			247					922

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

Number of Cases by Infections (2)

	Year	Sex	Chickenpox	Infectious Hepatitis	Rabies	Malaria, Incidence	Influenza (Grippe)
Indonesia	1976	T	25,499		88	333,293	1,804,293
	1977	T	45,422	1,298	678	532,620	2,774,706
Japan	1977	T			0	37	198,427
		M			0		
		F			0		
Malaysia Sabah	1977	T	705	207	0	45,313	32,265
		M			0		
		F			0		
Sarawak	1977	T	764	158		1,133	
		M					
West Malaysia ¹⁾	1976	T	283	2,602		6,269	10,831
		M					
Philippines ²⁾	1974	T	1,977	5,977		27,420	297,474
		M		3,514			147,250
		F		2,463			150,224
Singapore	1977	T	790	216		184	
		M	455	168		138	
		F	306	48		46	
Thailand	1977	T	794	9,875	322	379,808	27,268
		M		6,127	208		
		F		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

Number of Cases by Venereal Disease

		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	Gonococcal Infections, Incidence	Other Venereal Disease
Indonesia	1976 T	2,525									31,273	
	1977 T	1,860			1,860						46,711	
Japan	1977 T M F	3,026	421	288	290			1,289	355	383	4,858	65
Malaysia												
Sabah	1977 T M F									15	609	
Sarawak	1977 T M F	80									826	
West Malaysia ¹⁾	1976 T M F		7	5		2	3	4			74	
Philippines ²⁾	1974 T M F	44 26 18									17,147 6,293 10,854	
Singapore	1977 T M F	1,313 616 697	12 4 8	99 66 33	32 7 25	5 5 0	6 6 0	1,159 528 631			7,888 1,854 5,834	1,980 1,918 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

**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
Indonesia	1975 ⁽¹⁾	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
Japan	1977	T	29	0	0	0	0	0	23		0	5	0	1	0	0
Malaysia	1976 ⁽¹⁾	T	57	0	0	0	0	0	0		0	1	16	0	13	27
Sabah	1977	T	204	27	31	84	21	16	0		0	0	9	5	6	5
Sarawak	1976 ⁽¹⁾	T	177	6	23	13	6	10	18		34	72	36	6	10	0
	1977	T	240	0	0	0	16	20	13		45	62	31	47	6	0
West Malaysia	1976 ⁽¹⁾	T	55	0	0	0	0	1	53		1	0	0	0	0	0
Philippines	1974 ⁽²⁾	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	1976 ⁽¹⁾	T	6	0	0	1	2	0	0		1	0	2	0	0	0
	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

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																
Japan	1976 ¹⁾	T	372	26	25	37	24	47	38		25	37	43	26	19	25
	1977	T	346	27	29	30	25	21	24		19	34	32	37	18	50
Malaysia																
Sabah	1976 ¹⁾	T	43	6	0	0	1	0	1		10	6	1	13	0	5
	1977	T	62	3	10	11	7	2	4		7	3	0	6	7	2
Sarawak	1976 ¹⁾	T	659	67	69	61	70	58	41		55	47	44	70	42	45
	1977	T	573	51	48	65	37	54	41		40	39	36	55	55	52
West Malaysia	1976 ¹⁾	T	1,146	62	85	97	92	153	102		83	97	117	118	86	54
Philippines	1974 ²⁾	T	*3,767	331	319	310	284	230	268	260	260	367	266	247	333	272
Singapore	1976 ¹⁾	T	129	20	10	8	14	12	7		8	4	10	14	14	8
	1977	T	204	17	19	12	35	23	18		8	17	7	33	9	6
Thailand	1976 ¹⁾	T	*6,313	292	346	433	479	531	638		718	640	623	685	502	426
	1977	T	11,839	647	779	859	1,059	1,119	1,416		1,373	1,271	1,089	991	758	478

* Number of Cases by Typhoid Fever and Paratyphoid Fever

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

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																
Japan	1976 ¹⁾	T	74	7	4	1	20	7	3		5	3	8	5	9	2
	1977	T	77	7	3	8	4	9	5		14	9	7	5	2	4
Malaysia																
Sabah	1976 ¹⁾	T	3	1	0	0	0	0	0		0	1	0	0	1	0
	1977	T	2	0	2	0	0	0	0		0	0	0	0	0	0
Sarawak	1976 ¹⁾	T	44	3	3	5	0	0	7		6	3	4	10	2	6
West Malaysia	1976 ¹⁾	T	37	4	3	1	2	3	4		7	6	2	3	0	2
Philippines																
Singapore	1976 ¹⁾	T	12	1	0	1	0	2	1		1	1	0	1	0	4
	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

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																
Japan	1976 ¹⁾	T	712	26	37	43	45	39	75		56	110	83	102	62	34
	1977	T	726	48	74	37	72	48	77		71	100	75	48	40	36
Malaysia																
Sabah	1976 ¹⁾	T	164	48	7	9	4	3	18		10	17	17	22	3	6
	1977	T	137	5	9	30	4	16	8		15	9	14	6	8	13
Sarawak	1976 ¹⁾	T	231	13	20	21	20	24	12		24	19	19	17	12	30
	1977	T	546	63	43	58	45	39	41		60	69	42	44	17	25
West Malaysia	1976 ¹⁾	T	111	6	11	11	11	12	21		12	3	6	8	6	4
Philippines	1974 ²⁾	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																
Thailand	1976 ¹⁾	T	7,737	309	475	853	820	767	1,009		663	546	555	581	649	510
	1977	T	11,834	763	667	963	1,056	1,465	1,377		1,178	986	825	821	919	814

* Number of Cases by Bacillary Dysentery and Amoebiasis

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

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																
Japan	1976 ¹⁾ 1977	T T	14,981 20,868	145 381	1,102 155	561 309	336 273	2,000 1,696	1,691 870		1,509 6,153	2,984 4,110	2,063 2,863	2,074 2,257	105 1,550	411 231
Malaysia																
Sabah	1976 ¹⁾ 1977	T T	415 99	24 10	122 20	37 14	14 7	71 0	83 7		12 6	25 9	12 3	7 2	2 18	6 3
Sarawak	1976 ¹⁾ 1977	T T	50 37	2 2	4 1	0 1	4 1	1 8	2 0		3 1	3 5	6 8	5 9	12 1	8 0
West Malaysia	1976 ¹⁾	T	483	36	60	64	30	42	31		53	37	41	32	38	19
Philippines																
Singapore	1976 ¹⁾ 1977	T T	214 578	0 2	12 0	21 7	14 25	18 43	1 5		41 0	22 70	29 241	0 103	21 63	35 19
Thailand	1976 ¹⁾ 1977	T T	1,802 5,915	12 246	2 244	85 573	190 396	185 460	151 727		157 474	177 757	153 467	184 793	286 444	220 334

Source: World Health Statistics Annual, 1979, Vol. II, WHO
 1) World Health Statistics Annual, 1978, Vol. II, WHO

**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	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 diseases	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

	Annual Change										
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia ⁽¹⁾	1962 24.0										
Japan ⁽²⁾	19.4	18.6	18.5	18.8	19.2	19.3	19.4	18.6	17.1	16.3	15.5
Malaysia											
Sabah ⁽³⁾	37.6	39.9	39.3	37.9	36.8	37.5	36.5	37.7	35.5		
Sarawak ⁽⁴⁾	⁽⁹⁾ 27.8	⁽⁹⁾ 29.0	⁽⁹⁾ 28.5	30.8	29.8	30.4	30.7	29.2	29.2		
West Malaysia ⁽⁵⁾	⁽⁹⁾ 36.6	⁽⁹⁾ 36.8	⁽⁹⁾ 34.7	33.9	34.3	33.3	31.9	32.1	31.4		
Philippines ⁽⁶⁾	26.3	26.8	27.3	27.4	25.4	24.8	26.1	26.1	⁽¹⁰⁾ 28.2		
Singapore ⁽⁷⁾	25.6	23.5	21.8	22.1	22.3	23.1	22.1	19.5	17.8	18.8	16.6
Thailand ⁽⁸⁾	34.2	35.6	32.6	32.0	32.7	30.8					

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

(2) Vital Statistics Japan, 1977

(3) Perangkaan Penting Vital Statistics Sabah, 1975

(4) Perangkaan Penting Vital Statistics Sarawak, 1975

(5) Perangkaan Penting Semenanjung Malaysia Vital Statistics Peninsular Malaysia, 1975

(6) Philippines Health Statistics, 1974

(7) Yearbook of Statistics Singapore, 1977/78

(8) Statistical Yearbook Thailand, Number 31, 1974-1975

(9) Quarterly Bulletin of Statistics for Asia and the Pacific, 1976, Vol.II, Nos.1-2, UN.

(10) 1978, Philippine Statistical Yearbook.

(2) Deaths

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

Vital Statistics Rates, Natural Increase Rate

	Year	Rate (per 1,000)						
		Marriage	Divorce	Birth		Death		Natural Increase
				Crude	Fertility	Crude	Infant	
Indonesia	1970-1975	10.6		1) 42.9	1) 175.7	1) 16.9	9) 125.0	1) 26.0
Japan	1974	9.1	1.04	18.6	67.4	6.5	10.8	12.1
	1975	8.5	1.07	17.1	62.9	6.3	10.0	10.8
	1976	7.8	1.11	16.3	60.2	6.3	9.3	9.4
	1977	7.2	1.15	15.5	60.6	6.1	8.9	8.8
Malaysia								
Sabah	1973			35.2	5) 179.4	4.8	6) 23.8	30.4
	1974			33.5	5) 179.4	3.7	6) 28.7	29.8
Sarawak	1972	3.5	0.1	29.8	5) 150.3	4.7	31.3	25.1
West Malaysia	1974	3) 1.6	6) 0.0	32.1	4) 136.8	6.6	35.4	25.5
	1975	1.7	6) 0.0	31.4	6) 135.8	6.4	33.2	25.0
Philippines	1970-1975	7) 6.9		1) 43.8	1) 200.4	1) 10.5	6) 58.9	1) 33.3
Singapore	1975	10.4		17.8	6) 76.2	5.1	13.9	12.7
	1976	9.4		18.8	6) 76.2	5.1	11.6	13.7
Thailand	1970-1975	5) 9.8	2) 0.6	1) 43.4	1) 194.1	1) 10.8	4) 21.8	1) 32.6

1) Estimate(s) Prepared by the United Nations Population Division for 1970-1975

2) For 1965

3) For 1972

4) For 1973

5) For 1970

6) For 1974

7) For 1975

8) There is no Provision for "divorce" in the sense used Here

9) For 1962. Based on analysis of results of 1961 population census and sample surveys of December 1961 and December 1962

Source: Demographic Yearbook, 1975, Vol.27, UN

" " 1976, Vol.28, UN

Vital Statistics Japan, 1977

Nativity, General Mortality and Natural Increase

	Year	Nativity (Live-Born)				General Mortality				Natural Increase (%)
		Total	Number Male	Female	T %	Total	Number Male	Female	T %	
Indonesia										
Japan	1973	2,091,976	1,077,517	1,014,466	19.4	709,421	383,582	325,824	6.6	12.8
	1975	1,901,450	979,091	922,349	17.0	702,281	377,827	324,448	6.3	10.7
Malaysia										
Sabah	1972	25,959	13,526	13,433	35.4	3,553	2,080	1,473	4.8	30.6
	1973	26,673	13,865	12,808	34.3	3,660	2,156	1,504	4.7	29.6
Sarawak	1972	30,340	15,578	14,762	29.8	4,751	2,793	1,958	4.7	25.1
	1974	30,682	16,056	14,626	28.3	4,574	2,654	1,920	4.2	24.1
West Malaysia	1972	308,347	157,985	150,362	33.3	63,522	36,361	27,161	6.9	26.4
	1974	312,740	160,652	152,088	32.1	63,871	36,806	27,065	6.6	25.5
Philippines										
	1973	988,673			24.1	277,174			6.9	17.2
	1975	1,135,101			23.7	269,760			6.3	20.4
Singapore										
	1973	48,263	24,955	23,308	22.1	11,920	7,157	4,757	5.5	16.6
	1974	43,268	22,479	20,787	19.5	11,674	6,883	4,788	5.3	14.2
	1976	42,783	22,187	20,593	18.8	11,648	6,889	4,757	5.1	13.7
Thailand										
	1972	1,189,950	614,765	575,185	32.8	248,676	137,386	111,290	6.9	25.9
	1974	1,185,869	609,732	576,137	28.9	246,459	138,014	108,445	6.0	22.9
	1975	1,132,866	584,900	547,906	26.8	237,018	134,822	102,196	5.6	21.2

Source: World Health Statistics Annual 1973-1977, Vol.1, WHO

EXPECTATION OF LIFE

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

	Year	Sex	Age (in years)												
			0	1	2	3	4	5	10	15	20	25	30	35	40
Indonesia	1960	M	47.5												
		F	47.5												
Japan	1974	M	71.16	71.02	70.13	69.20	68.25	67.30	62.45	57.54	52.79	48.06	43.32	38.60	33.99
		F	76.31	76.03	75.13	74.19	73.23	72.27	67.37	62.44	57.54	52.70	47.87	43.06	38.30
Malaysia	1970	M	48.79	53.03				51.39	47.11	42.54	37.86	33.60	29.38	25.05	20.96
		F	45.43	49.38				48.20	43.97	39.39	35.14	31.14	27.57	24.13	20.72
Sarawak	1970	M	51.15	55.71				53.98	49.58	44.96	40.31	35.98	31.79	27.49	23.50
		F	52.69	56.32				54.66	50.29	45.64	41.24	37.00	33.28	29.75	26.33
West Malaysia	1974	M	65.03	66.69				63.52	58.90	54.14	49.48	44.93	40.35	35.81	31.35
		F	70.30	71.58				68.48	63.80	58.99	54.22	49.50	44.81	40.26	35.76
Philippines	1970 —1975	M	58.9												
		F	60.0												
Singapore	1970	M	65.1	65.6				62.0	57.1	52.3	47.5	42.8	38.2	33.4	28.8
		F	70.0	70.3				66.6	61.8	56.9	52.0	47.2	42.4	37.6	32.9
Thailand	1960	M	53.6												
		F	58.7												

Source: Demographic Yearbook, 1976, Vol.28, United Nations

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

	Year	Sex	Age (in years)										
			45	50	55	60	65	70	75	80	85		
Indonesia	1960	M F											
Japan	1974	M F	29.52 33.61	25.15 29.02	20.94 24.56	16.99 20.26	13.38 16.18	10.21 12.43	7.55 9.15	5.43 6.49	4.00 4.68	1977	72.69 77.95
Malaysia													
Sabah	1970	M F	17.19 17.57	13.95 14.35	11.18 11.65	8.30 8.35	6.81 6.95	4.22 4.27					
Sarawak	1970	M F	19.91 22.86	16.85 19.36	13.91 16.00	11.07 12.75	9.05 10.37	6.68 7.82	5.34 5.91				
West Malaysia	1974	M F	27.06 31.35	22.94 27.02	19.29 23.07	15.85 19.28	13.39 16.20	11.08 13.54	10.28 12.24				
Philippines													
Singapore	1970	M F	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	1960	M F											

Source: Demographic Yearbook, 1976 Vol.28, United Nations

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

Mean weight from birth to one year

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	—	—	—	—	—	—	—	—	—
			—	—	—	—	—	—	—
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		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 length from birth to one year

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	1972	M	—	—	60.2	65.3	70.1	73.6
			F	—	—	59.5	64.0	68.1	71.5
	Chinese	1972	M	—	—	61.8	66.5	71.0	74.5
			F	—	—	60.0	65.0	69.5	73.0
Thailand	Bangkok		M	—	58.1	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 chest from birth to one year

Country	People or place	Year	Sex	Age					
				Birth	4 wks	3 mos	6 mos	9 mos	12 mos
Indonesia ⁽¹⁾	Jakarta (poor)	1984	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			—	—	—	—	—	—	—
			—	—	—	—	—	—	—
Philippines			—	—	—	—	—	—	—
			—	—	—	—	—	—	—
Singapore			—	—	—	—	—	—	—
			—	—	—	—	—	—	—
			—	—	—	—	—	—	—
			—	—	—	—	—	—	—
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 (cm)

Country	People or 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: Wroldwide variation in human growth, Cambridge University Press, 1976

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

Mean height (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 (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	1972	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 (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. Cribbs 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
			Sabah	Sarawak	West Malaysia			
General Hosp.		v	v	v	v	v	v	v
General & Rural Hosp.	v							
Local or Rural Hosp.			v	v	v		v	v
Medical Center		v		v				
Internal Medicine Hosp.						v		
Medical & Maternity Center								v
Maternity Hosp.	v					v	v	
Infectious Diseases Hosp.		v				v	v	v
Chronic Diseases Hosp.							v	v
Leprosy Hosp.		v		v	v		v	v
Tuberculosis Hosp.		v	v		v	v		v
Pediatrics Hosp.						v		
Oto-Rhino-Laryngology Hosp.						v		
Oto-Rhino-Laryngology Hosp.							v	v
Ophthalmology Hosp.	v							v
Orthopedics Hosp.						v	v	
Mental Hosp.	v	v	v	v	v	v	v	v
Cancer Hosp.	v							
Establ. for Drug Addicts								v
Other Specialized Hosp.								v
Rural Hosp. & Nursing Homes					v			
Tropical Diseases Hosp.								v
Others							v	

Hospitals and Other Medical Establishment with Beds (1)

		General Hospital				General and Rural Hospitals				Local or Rural 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					993	74,435						
	1975					591	64,960	1,646,231	12,353,700				
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								
Malaysia													
Sabah	1973	3	856	25,293						10	888	32,013	
	1974	3	856	26,120						10	928	34,020	
	1975	3	856	29,441						10	928	29,014	
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
West Malaysia	1973	28	12,289	398,299	4,827,490					34	7,340	165,288	1,838,505
Philippines	1973	674	41,062										
Singapore	1973	4	3,580	106,757	870,656					1	64	744	12,283
	1974	4	3,680	103,240	858,803					1	64	967	7,320
	1975	4	3,716	109,525	877,379					2	100	1,180	15,182
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

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO

Hospitals and Other Medical Establishment with Beds (2)

		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												
Japan	1972	30,032	258,924										
Malaysia													
Sabah	1973 1974 1975												
Sarawak	1973 1974 1975	49 56 61	325 397 402										
West Malaysia	1973												
Philippines	1973					13	257						
Singapore	1973 1974 1975												
Thailand	1973 1974	53	977	31,471	175,024					361	3,424	85,760	238,740

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO

Hospitals and Other Medical Establishment with Beds (3)

		Maternity Hospitals				Rural Hospitals 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										
	1975	438	6,715	205,552	977,810								
Japan	1972									29	2,109		
	1974									28	2,064	1,493	19,806
	1975									27	1,870	1,691	24,319
Malaysia													
Sabah	1973 1974 1975												
Sarawak	1973 1974 1975												
West Malaysia	1973					151	4,813						
Philippines	1973	73	1,966							1	900		
Singapore	1973	1	560	45,034	155,560					1	272	3,074	34,410
	1974	1	560	43,653	155,560					1	272	4,919	50,084
	1975	1	560	39,963	135,412					1	272	9,827	60,429
Thailand	1973									1	150	5,491	40,141
	1974	2	423	19,111	96,072					1	230	4,703	41,220

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO

Hospitals and Other Medical Establishment with Beds (4)

		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									(A)			
	1975					33	3,447	841	1,220,162	14	871	2,023	92,724
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
Malaysia Sabah	1973									1	139	532	
	1974									1	139	652	
	1975									1	149	614	
Sarawak	1973					1	412	48	64,475				
	1974					1	412	70	62,867				
	1975					1	412	47	49,397				
West Malaysia	1973					2	3,565	475	1,301,225	3	566	1,763	106,945
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				
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

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO

Hospitals and Other Medical Establishment with Beds (5)

		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												
Japan	1972												
Malaysia													
Sabah	1973 1974 1975												
Sarawak	1973 1974 1975												
West Malaysia	1973												
Philippines	1973	23	971			8	103						
Singapore	1973									1	51	673	7,504
	1974									1	47	639	10,310
	1975									1	44	596	10,253
Thailand	1974									1	45	151	3,775
	1974									1	50	174	4,959

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO

Hospitals and Other Medical Establishment with Beds (6)

		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
Japan	1972									925	195,059		
	1974									928	202,259	148,930	76,178,801
	1975									929	204,408	146,715	77,145,783
Malaysia													
	Sabah												
	1973									1	300	461	
	1974									1	300	680	
	1975									1	300	449	
	Sarawak												
	1973									1	308	739	154,957
	1974									1	340	803	165,078
	1975									1	340	733	179,918
	West Malaysia												
	1973									2	6,577	6,024	2,400,605
Philippines													
	1973					3	745			1	7,000		
Singapore													
	1973					1	120	218	23,948	2	2,545	2,515	953,148
	1974					1	120	307	21,074	2	2,545	2,850	876,970
	1975					1	120	167	19,362	1	2,300	3,919	806,969
Thailand													
	1973	4	43	146	1,082					14	7,185	30,449	1,392,481
	1974	4	46	1,966	15,570					14	7,483	30,592	2,374,512

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO.

Hospitals and Other Medical Establishment with Beds (7)

		Cancer Hospitals				Tropical Diseases Hospital				Establ. for Drug Addicts			
		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										
	1975	1	60	52	2,570								
Japan	1972												
	1974												
	1975												
Malaysia													
	Sabah	1973											
	1974												
Sarawak	1973												
	1974												
	1975												
West Malaysia	1973												
Philippines	1973												
Singapore	1973												
	1974												
	1975												
Thailand	1973					1	112	1,045	1,432	1	500	9,627	107,030
	1974					1	100	1,269	29,406	1	500	5,467	121,004

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO

Hospitals and Other Medical Establishment with Beds (8)

		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
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
Malaysia													
Sabah	1973									15	2,183	58,299	
	1974									15	2,223	61,472	
	1975									15	2,233	59,518	
Sarawak	1973									63	2,579		
	1974									70	2,751		
	1975									75	2,788		
West Malaysia	1973									220	35,150	571,789	10,474,770
Philippines	1973									813	62,939		
Singapore	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					1	45	13	11,797	14	8,005	165,499	2,124,265
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

Source: World Health Statistics Annual, 1973-1977, Vol.3, WHO

Hospital Utilization by Category of Hospitals (1)

	Year	All Hospitals					General Hospitals					
		Type	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
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
Malaysia												
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	362.8	30.5		
	1975	A	340	29.8	793.6		A	11.4	392.5	34.4		
Sarawak	1973	T	450	22.2			T	12.0				
	1974	A	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
West Malaysia	1973	T	270	36.6	595.6	81.6	T	12.8	414.9	32.4	107.6	12.1
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
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

Type of Admission

T: Total Establishments

A: Government Establishments

B: Private non-profit Establishments

Source: World Health Statistics Annual, 1973-1977, Vol.3.

Hospital Utilization by Category of Hospitals (2)

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

Hospital Utilization by Category of Hospitals (3)

		Tuberculosis Hospitals						Mental Hospitals					
		Type	Beds per 10,000 Pop.	Admissions per 10,000 Pop.	per Bed	Bed Occupancy Rate (%)	Aver. Length of Stay (Days)	Type	Beds per 10,000 Pop.	Admissions per 10,000 Pop.	per Bed	Bed Occupancy Rate (%)	Aver. Length of Stay (Days)
Indonesia	1973							T	0.6				
	1975	A	0.1	0.2	2.3	29.2	45.8	T	0.5	0.8	1.6	68.3	154.6
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
Malaysia													
Sabah	1973	A	2.0	7.6	3.8			A	4.3	6.6	1.5		
	1974	A	1.9	9.1	4.7			A	4.2	9.4	2.3		
	1975	A	2.0	8.2	4.1			A	4.0	6.0	1.5		
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
West Malaysia	1973	T	0.6	1.8	3.1	51.8	60.7	A	6.9	6.3	0.9	100.0	398.5
Philippines	1973	T	2.5					A	1.7				
Singapore													
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	17.5	1.7	95.7	208.2
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

Hospital Utilization by Category of Hospitals (4)

		Maternity Hospitals					
		Type	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
Japan							
Malaysia							
Sabah							
Sarawak							
West Malaysia							
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
Thailand	1974	B	0.1	4.7	45.2	62.2	5.0

Number of Hospitals (1964-1977)

		1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Indonesia		823	912			1,126	1,164	1,164	1,189		1,371		1,115		
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	
Malaysia															
Sabah		9	9	9	12	13			14		15	15	15		
Sarawak		12 8	14	11	11	12	13	14	14	14	14	14	14		
West Malaysia		64	64	65	66	66	66	64	61	62	62	64			
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 Government 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 1975-1976, UN.

Number of Beds (1964-1977)

		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															
Sabah				1,336	1,407	1,429			1,747		2,183	2,223	2,233		
Sarawak		(1) 1,654	1,833	1,878	1,882	1,930	1,939	2,000	2,073	2,204	2,254	2,282	2,358		
West Malaysia		25,575	25,888	26,315	27,582	28,416	27,416	27,927	28,661	28,554	28,699	28,978			
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 or faculty actually working in your country in any medical field (practice, teaching, administration, research, laboratory, etc.).
2. Medical assistants Middle level	Personnel performing duties ranging from simple curative procedures for common diseases to wider medical care that may include a variety of diagnostic, curative and preventive practices. These personnel have no medical education of university level or equivalent.
3. Multipurpose health auxiliaries Basic level	Personnel who may have no more than elementary general education and a few months of in-service training and who provide basic health services at the village level.
4. Dentists/Dental surgeons (a) High (university) level (b) Middle (non-university) level	(a) All graduates of a dental school (or faculty of odontology or stomatology) actually working in your country in any dental field. (b) Personnel qualified from a dental school of non-university level and licensed to practise dentistry in your country.
5. Dental operating auxiliaries	Personnel performing a limited range of diagnostic, preventive, and curative services in dentistry. These personnel usually do not have complete dental education of university level or equivalent.
6. Dental non-operating auxiliaries (a) Dental laboratory technicians (b) Dental chairside assistants	Dental non-operating auxiliaries who assist dentists and dental operating auxiliaries in their clinical work but who do not carry out any independent intra-oral procedures. These dental personnel usually have technical training either in formal courses or by apprenticeship.

Occupation and level of education	Personnel to be included in the data
7. Pharmacists/Chemists High (university) level	All graduates of a faculty or school of pharmacy actually working in your country in pharmacies, hospitals, laboratories, industry, etc.
8. Pharmaceutical assistants Middle level	Personnel assisting in pharmacies, hospitals, or dispensaries to make and dispense medicaments, under the supervision of a pharmacist. These personnel do not have pharmaceutical education of university level or equivalent.
9. Veterinarians/Veterinary surgeons High (university) level	All graduates of a faculty or school of veterinary medicine actually working in your country in 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 providing 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 midwifery 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			Philippines	Singapore	Thailand
			Sabah	Sarawak	West Malaysia			
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
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			
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
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
Practitioners of traditional medicine/Midwifery								v
Dental nurses			v	v	v		v	
Nurses including nurse-midwives			v				v	

Medical and Allied Health Personnel (I)

	Year	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
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 Sabah	1973	85		10	10		10	3	15
	1974	95		10	10		10	4	8
	1975	98		7	9 G			10	
	1976	95		6	10			5	
Sarawak	1973	112	175		117	22		6	25
	1974	119	189	167	111	22	11	7	26
	1975	107	217	181	27			8	40
	1976	137	186	90	27			11	
West 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	
	1976	1,576 G	1,370 G		301 G			—	
Philippines	1973	13,464			4,124			4,555	
	1976								
	1975	13,480			4,241			4,685	
Singapore	1973	1,585			425		92	291	158
	1974	1,586			422		108	277	158
	1975	1,622			252			288	
	1976	1,705			270			296	
Thailand	1973	4,622 Y	2,089		596 Y	226	51	1,616 Y	278
	1975	5,005	3,242		652			1,913	431

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973-1979, Vol.2

Medical and Allied Health Personnel (2)

	Year	Veterinarians/ Veterinary surgeons	Animal health assist.	Professional Midwives	Assistant midwives/ Auxiliary midwives	Auxiliary Nurse- midwives	Professional Nurses	Assistant nurses/ Auxiliary nurses	Nursing and midwifery aids
Indonesia	1974 1975			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 †	
Malaysia Sabah	1973 1974 1975 1976							650 † 695 † 789 † 856 †	567 612
Sarawak	1973 1974 1975 1976	4 4	5 6	516 † 461 †			313 † 357 †	235 † 283 † 324 † 370 G	
West Malaysia	1973 1974 1975 1976	— 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	
Philippines	1973 1975	419 431		6,915 †			8,283 † 8,519 †		4,887 5,026
Singapore	1973 1974 1975 1976			2,317 † 510 †G			3,819 †	1,612 † 1,540 † 1,616 † 1,718 †	
Thailand	1973 1974 1975	186 549	26	10,012 †	5,690 †		957 Y†	8,227 8,779 †	594

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973-1974, Vol.2

Medical and Allied Health Personnel (3)

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

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973-1979, Vol. 2

Medical and Allied Health 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	2,172 2,079	165		328				
Japan	1973 1974 1976		15,373						
Malaysia									
Sabah	1973 1974 1975 1976	20 40 39	2 3		31 31		30 10 26 22	418 † 456 † 478 † 459	2
Sarawak	1973 1974 1975 1976		8 8	3 3	20 33		60 55 68 —		
West Malaysia	1973 1974 1975 1976	495 495	17 27		149 184		328 419 433 G —		
Philippines	1973 1975		376						
Singapore	1973 1974 1975 1976		28				192 210 219 269	4,211 †	
Thailand	1973 1975	4,948 5,713	317	12	560	8,535 Y†			

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973–1979, Vol. 2

Medical and Allied Health Personnel (5)

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

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973-1979, Vol. 2

Medical and Allied Health Personnel (6)

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

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973-1979, Vol. 2

Medical and Allied Health Personnel (7)

	Year	Nurses	Occupational therapists	Dietitians	Radio graphers	Nursing auxiliaries	X-ray assistant technician	Health inspectors	Assistant health inspectors
Indonesia	1974 1975	10,647					87		
Japan	1973 1974 1976	176,051 † 203,713							
Malaysia									
Sabah	1973 1974 1975 1976			1 2	2 5	636 674		40 42	
Sarawak	1973 1974 1975 1976	413 † 391	4 4 G	2 3 G	25 24 G			29	34
West Malaysia	1973 1974 1975 1976	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
Philippines	1973 1975		50	286		5,026			
Singapore	1973 1974 1975 1976	4,151 † 4,242 †	3 14 G	23 12 G	80 G 80 G			125 169 G	441 415 G
Thailand	1973 1975	1,043 †				1,056	201		

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973-1979, Vol. 2

Medical and Allied Health Personnel (8)

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

Y: Incomplete data

G: Personnel in government services

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

Source: World Health Statistics Annual, 1973-1979, Vol. 2

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
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	11.8	850	3.8	2,600	7.0	1,420			34.8	290	37.1	270
Malaysia Sabah	1973	1.2	8,240	0.1	70,000	0.0	233,330	0.1	70,000	15.3	660		
	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		
Sarawak	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
	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	1.1	9,490	0.2	48,150	0.1	118,180	2.1	4,710	5.8	1,710	6.9	1,440
West 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
	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	—	—
Philippines	1973	3.3	2,990	1.0	9,750	1.1	8,830			2.1	4,880	3.8	2,650
	1975	3.2	3,150	1.0	10,020	1.1	9,070			2.0	4,990	9.5	1,050
Singapore	1973	7.2	1,400	1.9	5,140	1.3	7,510			24.9	400	35.5	280
	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	330
Thailand	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
	1975	1.2	8,460	0.2	64,840	0.5	22,100			5.1	1,970	6.6	1,530

Source: World Health Statistics Annual, 1973-1979, Vol. 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	
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														
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	
West 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		
Philippines	20,480	22,398	24,385	27,095	28,374	29,705	31,515	32,186	33,741	35,286	36,603			
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		

Source: Statistical Yearbook for Asia and the Pacific 1975-1976, 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

Number of Dentists Personnel (in Year) (2)

	Dentists													
	Number of persons employed in the government services only													
	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														
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	
West Malaysia			615	625	632	644	630	630	628	696	(3)502	(3)659		
Philippines	10,625	11,096	11,266	11,600	11,792	11,967	11,327	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 Pharmacists 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														
Sabah														
Sarawak														
West Malaysia														
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 Practitioners, 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															
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		
West 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			
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 Nurses 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															
Sabah ⁽³⁾	378	465	578	659	798			⁽⁷⁾ 653	⁽⁷⁾ 754	⁽⁷⁾ 830	⁽⁷⁾ 879	⁽⁷⁾ 970			
Sarawak ⁽⁴⁾	425	459	468	524	564	570	559	603	607	745	720	1,074		1,177	
West Malaysia ⁽⁵⁾	4,516	3,523	5,362	5,380	5,916	6,807	⁽⁸⁾ 7,279	⁽⁸⁾ 7,871	8,733	⁽⁸⁾ 9,474	11,513	⁽⁸⁾ 13,352			
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			

(1) Nurses and similar personnel

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

(3) Trained nurses and hospital assistants

(4) Trained nurses, assistant nurses and hospital assistant

(5) Nurses and assistant nurses

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

(7) Statistical Handbook Sabah, 1975

(8) Statistical Handbook of Peninsular Malaysia, 1976

The Results of the Questionnaire on SEAMIC Health Statistics 1978

Number of respondents

Thailand	4
Philippines	4
Malaysia	3
Indonesia	2
Singapore	2
WHO	2
Total	17

* 152 sheets of questionnaires were sent to 90 persons/institutions.

* They were answered by Executives and Associate Executives on Statistics of Medical institutions and Universities.

Question 4: Any items to be added?

Leading mortality statistics by cause of death.
Number of outpatients
Data of infectious diseases
Socio-economic indicators
Environmental indicators
Addresses of health authorities

Question 5: Any items to be omitted?

Data concerning Veterinarians/Veterinary Surgeons

Question 6: Any items to be corrected?

West Malaysia: the data pertaining to government hospitals only

Correction of terms

Medical Facilities — Health Care Facilities
Medical Personnel — Health Manpower

Corrections were requested for some other data

Question 7: Any other data sources to be used?

Many other sources are offered

Question 8: Any other comments about this book?

Update data
Periodical publication
Avoid duplication of WHO publications
Correction of the unit of population
(1,000—10,000) with international standard

Summary of Replies

Question 1: Do you think SEAMIC should continuously publish these kinds of health statistics?

The demand for continuous publication is great. Only one comment: "Probably not. Most of the information is available in UN publications, etc."

Question 2: For what purpose do you think that these kinds of health statistics are particularly useful in carrying out your job?

Planning, evaluation, research, teaching, management, implementation, program, reference, analysis, etc.

Question 3: How will it be possible for your country to participate in compiling this kind of publication?

Thailand: positive; some new statistical data were supplied to SEAMIC

Philippines: positive; ditto

Malaysia: Data will be supplied if SEAMIC requests

Indonesia: Central Bureau of Statistics is responsible for cooperation with SEAMIC

Singapore: ?