

WORLD HEALTH ORGANIZATION
Regional Office for the Western Pacific

WESTERN PACIFIC REGION
DATA BANK
ON
SOCIOECONOMIC AND HEALTH INDICATORS

Manila, Philippines
October 1979

PREFACE

As an aid to its own promotional, collaborative, coordinative and research activities, and as a possible contribution to similar activities by other bodies, the World Health Organization Regional Office for the Western Pacific has established a data bank containing socioeconomic and health indicators for the year 1978 or thereabouts and covering 32 member countries or areas in the Western Pacific Region. The list of indicators is given on Page 1.

The data bank was first created to provide a regional analysis of the health situation, and its present composition is tailored to the requirements of that analysis. The data bank is designed to suit Regional Office needs primarily, and relevant data will be incorporated as they become available.

In selecting indicators, an attempt has been made to cover the major sectors of socioeconomic and health development and to choose indicators that are conceptually significant, offer comparability over different countries and yield as high a coverage as possible. Incomplete or otherwise unreliable data have been eliminated as far as possible. Consistency tests have been applied wherever possible to detect errors. In spite of these precautions, some of the data must be assumed to have a relatively low degree of reliability and comparability. Furthermore several facets of socioeconomic and health development had, unfortunately, to be omitted entirely owing to the lack of reliable data.

The data are at present stored on diskettes and a computer programme is being developed to print all or selected parts of the data bank. Various statistical programmes are also being developed with a view to more complex calculations, such as correlations, regressions, and other multivariate analyses.

The form in which the individual indicators are expressed is still experimental. As regards the computer storage of data, the total storage need has been reduced by studying the structure of data-sets and by storing only the more basic data.

The extent of coverage varies from one indicator to another and from country to country. There is virtually complete coverage in respect of a few indicators, but less than 50 per cent coverage in respect of others such as health expenditure. Gaps are being filled as new data become available.

The collection of data is continuing and current data are also being corrected and updated in the light of new information. It is intended that this data bank will be updated annually and a time series established.

The project of the data bank is being carried out by the Health Information Unit of the WHO Regional Office for the Western Pacific.


Regional Director

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LIST OF INDICATORS

1. Population
2. Life expectancy at birth, by sex
3. Annual population growth rate (%), 1970-1977
4. Crude birth rate
5. Crude death rate
6. Natural increase per annum (%)
7. Infant mortality rate
8. Daily per capita calorie supply
9. Daily per capita protein supply
10. Urban population
11. Per capita GNP (market price)
12. Health budget/expenditure
13. Health manpower
14. Cases and deaths for six diseases under the WHO Expanded Programme on Immunization
15. Number of immunizations per live births

Legend:

- = Nil
... or blank = Not available/not known

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No.	Country/Area	1978 Estimated population ('000)	Year	Life expectancy at birth	
				Male	Female
1	American Samoa	30	1969-1971	65.0	69.1
2	Australia	14 222	1975	69.3	76.4
3	Brunei	174		...	...
4	China	975 230 ^{a/}	1970-1975	59.9	63.3
5	Cook Islands	19		...	...
6	Dem. Kampuchea	8 592		...	...
7	Fiji	603	1970-1975	68.5	71.7
8	French Polynesia	142		...	...
9	Guam	89		...	...
10	Hong Kong	4 570	1975-1976	72	
11	Japan	115 490	1976	72.2	77.4
12	Kiribati	54		...	...
13	Lao People's Dem. Rep.	3 680	1970-1975	39.1	41.8
14	Macao	253		...	...
15	Malaysia: Peninsular		1975	65.4	70.8
	Sabah	12 999		...	...
	Sarawak			...	...
16	Nauru	7		...	...
17	New Caledonia	142		...	...
18	New Hebrides	102		...	...
19	New Zealand	3 129	1975	68.9	75.4
20	Niue	4		...	...
21	Papua New Guinea	2 959	1970-1975	47.7	47.6
22	Philippines	46 145	1970-1975	56.9	60.0
23	Republic of Korea	36 487	1975-1976	66.0	70.0
24	Samoa	156	1975-1976	61.0	64.0
25	Singapore	2 334	1975-1976	71	
26	Solomon Islands	213		...	...
27	Tokelau Islands	2		...	...
28	Tonga	93		...	...
29	T T of the Pacific Is.	133		...	...
30	Tuvalu	8		...	...
31	Viet Nam	51 699	1975-1976	48	
32	Wallis and Futuna	10		...	...

^{a/} Includes Taiwan Province with an estimated population of 17.14 million.

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No.	Country/Area	1970-77 Annual pop'n. growth rate (%)	Year	Crude birth rate	Crude death rate	Infant mortality rate	Natural increase (%) per annum
1	American Samoa	2.6	1976	35.7	4.3	20.1	3.14
2	Australia		1976	16.4	8.3	14.3 ^{a/}	.84
3	Brunei	5.5	1976	29.9	3.8	23.0	2.67
4	China	1.7	1978	18.3	6.3	65.0 ^{b/}	1.2
5	Cook Islands	3.2	1976	25.2	5.9	32.6	1.93
6	Dem. Kampuchea	...	1975	...	...	...	...
7	Fiji	2.1	1975	29.0	6.9	40.9	2.21
8	French Polynesia	3.3	1972	33.7	7.2	...	2.65
9	Guam	2.8	1976	32.8	5.0	20.3 ^{a/}	2.78
10	Hong Kong	1.9	1976	17.4	5.3	13.7	1.21
11	Japan	1.3	1975	17.0	6.3	10.0	1.07
12	Kiribati	3.1	1973	33.0	13.0	60-100	2.0
13	Lao People's Dem. Rep.	2.3	1975	44.0 ^{b/}	21.0 ^{b/}	175.0 ^{b/}	2.4
14	Macao	1.7	1975	9.5	5.2	22.8	.43
15	Malaysia: Peninsular		1974	32.1	6.6	35.4	2.55
	Sabah	2.8	1973	34.3	4.7	30.0	2.96
	Sarawak		1974	28.3	4.2	29.1	2.41
16	Nauru	1.9	1976	19.8	4.5	23.0 ^{b/}	1.53 ^{c/}
17	New Caledonia	2.8	1975	30.5	7.0	35.5	2.35
18	New Hebrides	2.7		...	...	...	...
19	New Zealand	1.4	1976	17.7	8.2	16.0 ^{a/}	.95
20	Niue	1.9	1975	24.7	6.0	31.6	1.87
21	Papua New Guinea	2.2	1970-75	40.6	17.1	106.0 ^{b/}	2.35
22	Philippines	2.9	1970-75	43.8	10.5	80.0 ^{b/}	3.33
23	Republic of Korea	1.8	1976	24.3	6.6	38.0	1.77
24	Samoa	1.0	1976	36.9	7.4	36.7	2.95
25	Singapore	1.5	1978	17.0	5.2	12.5	1.18
26	Solomon Islands	2.8	1975	36.0 ^{b/}	13.0 ^{b/}	52.0 ^{b/}	2.3
27	Tokelau Islands	...	1972	30.6	5.6	40.8	2.50
28	Tonga	0.6	1976	13.0	1.9	40-50	1.11
29	T T of the Pacific Is.	3.9	1976	28.7	3.0	28.9 ^{a/}	2.57
30	Tuvalu	...	1973	25.0	...	50.0	...
31	Viet Nam	2.9	1970-75	41.5	20.5	115.0 ^{b/}	2.10
32	Wallis and Futuna	...	1972	42.6	10.2	66.3	3.24

Notes: ^{a/} data for 1975
^{b/} data for 1975-1976
^{c/} data for 1968

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No.	Country/Area	Daily per capita (1972-74)		Urban population	
		Calorie supply	Protein supply (gram)	Year	%
1	American Samoa	...	...	...	...
2	Australia	3 333	99.3	1971	85.6
3	Brunei	2 553	64.4	1971	63.6
4	China	2 278	61.7	1978	24.0
5	Cook Islands	...	...	1973	29.0
6	Dem. Kampuchea	2 084	48	...	...
7	Fiji	2 618	56.6	1976	37.2
8	French Polynesia	2 706	70.5	1973	39.2
9	Guam	...	...	1970	25.5
10	Hong Kong	2 642	78.7	1978	92.0
11	Japan	2 832	85.5	1975	75.9
12	Kiribati	1 790	32.3	1973	29.7
13	Lao People's Dem. Rep.	2 063	56.1	1973	14.7
14	Macao	1 925	56.8	1970	97.1
15	Malaysia: Peninsular	2 539	45.1	1970	28.8
	Sabah	2 775	59.7	1970	16.4
	Sarawak	2 518	51.8	...	...
16	Nauru	...	...	...	...
17	New Caledonia	2 900	71.5	1976	60.7
18	New Hebrides	2 307	61.5	1976	23.1
19	New Zealand	3 501	106.8	1971	81.4
20	Niue	...	...	1971	20.9
21	Papua New Guinea	2 221	47.7	1976	12.9
22	Philippines	1 957	45.5	1970	31.8
23	Republic of Korea	2 749	72.0	1975	48.4
24	Samoa	2 240	52.1	1976	21.1
25	Singapore	2 823	74.8	1978	100.0
26	Solomon Islands	2 045	39.8	1972	8.8
27	Tokelau Islands	...	...	...	...
28	Tonga	2 570	45.1	1973	20.0
29	T T of the Pacific Is.	1973	43.9
30	Tuvalu
31	Viet Nam	2 286	56.5	1978	22.0
32	Wallis and Futuna

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No.	Country/Area	Per capita GNP, 1976 (market price) US\$	Year	Health budget expenditure		
				Amount	Per capita	As % of total budget
1	American Samoa	6 330				
2	Australia	6 990	1976-1977			7.67 (of GDP)
3	Brunei	...				
4	China	370				
5	Cook Islands	...				
6	Dem. Kampuchea	...				
7	Fiji	1 150	1977		F\$ 22.12	9.35
8	French Polynesia	4 150	1977		US\$ 198	
9	Guam	6 300	1977	US\$ 3 600 000		3.6
10	Hong Kong	2 230	1976-1977		HK\$ 146	9.76
11	Japan	5 090	1975		¥57 871	
12	Kiribati	720				
13	Lao People's Dem. Rep.	90				
14	Macao	940				
15	Malaysia: Peninsular					
	Sabah	830	1976			6.3
	Sarawak					
16	Nauru	...				
17	New Caledonia	4 420	1976			11.91
18	New Hebrides	..480	1976		FNH 3.386	
19	New Zealand	4 200	1976-1977	NZ\$ 689 106		
20	Niue	...	1976-1977	NZ\$ 331 100	NZ\$ 84	
21	Papua New Guinea	450	1976-1977	US\$ 49 089 000	US\$ 14.88	
22	Philippines	420	1976			3.30
23	Republic of Korea	700	1975			0.75
24	Samoa	350	1977			14.2
25	Singapore	2 580	1977	S\$183 000 000	S\$ 79.01	3.37
26	Solomon Islands	250	1977			11.9
27	Tokelau	...				
28	Tonga	350	1976			11.2
29	T T of the Pacific Is.	1 070				
30	Tuvalu	...	1976	A\$ 123 730		
31	Viet Nam	160				
32	Wallis and Futuna	...				

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No.	Country/Area	Year	Health Manpower					
			Physicians		Medical assistants		Professional nursing/midwifery personnel	
			Number	Per 10 000 popn.	Number	Per 10 000 popn.	Number	Per 10 000 popn.
1	American Samoa	1976	28	8.5	1	0.3	11	3.3
2	Australia	1972	17 972	13.9	...		...
3	Brunei	1977	66	3.9	92	5.4	293	17.2
4	China	...	...		...		...
5	Cook Islands	1972	22	10.5	-		64	30.5
6	Dem. Kampuchea	...	...		...		...
7	Fiji	1977	237	4.0	-		1 222	20.6
8	French Polynesia	1977	93	6.8	-		261	19.1
9	Guam	1976	99	9.7	-		292	28.6
10	Hong Kong	1976	3 127	7.1	...		9 466 ^{a/}	21.6
11	Japan	1976	133 416	11.8	-		230 517	20.4
12	Kiribati	1977	26	4.9	-		107	20.2
13	Lao People's Dem. Rep.	1979	127	0.4	707	2.0	98	0.3
14	Macao	1977	236	9.4	-		305	12.2
15	Malaysia: Peninsular	1977	1 438	1.4	1 279	1.2	7 426	7.0
	Sabah	1977	110	1.4	-		535	6.8
	Sarawak	1977	85	0.7	175	1.5	419	3.6
16	Nauru	1971	10	14.3	-		9	12.9
17	New Caledonia	1976	129	9.6	-		222	16.4
18	New Hebrides	1973	23	2.6	13	1.4	56	6.2
19	New Zealand	1977	4 257	13.7	446	1.4	17 980 ^{b/}	57.8
20	Niue	1977	4	10.0	-		6	15.0
21	Papua New Guinea	1977	200	0.7	204	0.7	1 771	6.2
22	Philippines	1977	16 123	3.6	-		26 181	5.8
23	Republic of Korea	1977	18 405	5.1	-		34 516	9.6
24	Samoa	1977	52	3.4	-		21	1.4
25	Singapore	1978	1 850	7.9	-		9 794	41.7
26	Solomon Islands	1977	32	1.6	-		248	12.4
27	Tokelau Islands	...	...		...		...
28	Tonga	1976	26	2.9	7	0.8	18	2.0
29	T T of the Pacific Is.	1977	45	3.5	50	3.9	154	11.9
30	Tuvalu	1977	3	3.8	-		19	23.8
31	Viet Nam	1977	8 956	1.8	24 482	4.9	478	0.1
32	Wallis and Futuna	1972	4	4.0	-		4	4.0

^{a/} Includes "Mental nurses"

^{b/} Estimate of "Registered nurses" only

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Six diseases under the WHO Expanded Programme on Immunization
Cumulative totals of cases and deaths from reports received for the year 1977

No. (1)	Country/Area Name (2)	Estimated population ('000) 1977 (3)	Cumulative number by diseases					
			DIPHTHERIA Cases Deaths (4)		PERTUSSIS Cases Deaths (5)		TETANUS Cases Deaths (6)	
1	American Samoa	32	-	-	-	-	2	1
2	Australia	14 075	7	...	-	...	13	...
3	Brunei	170	...	...	...	...	...	...
4	China	865 600	...	...	...	...	...	...
5	Cook Islands	18	-	-	-	-	1	-
6	Democratic Kampuchea	8 358	...	...	...	...	...	...
7	Fiji	592	-	-	15	-	2	-
8	French Polynesia	137	-	-	32	-	3	1
9	Guam	105	-	-	-	-	-	-
10	Hong Kong	4 514	1	-	1	-	24	18
11	Japan	114 154	122	2	5450	20	72	79
12	Kiribati	53	-	-	181	-	2	-
13	Lao People's Dem. Rep.	3 600	16	3	12	-	...	...
14	Macau	250	-	-	-	-	1	-
15	Malaysia	12 644	113	...	123	...	...	...
16	Nauru	7	-	-	-	-	-	-
17	New Caledonia	136	-	-	1	-	2	1
18	New Hebrides	99	-	-	10	-	4	-
19	New Zealand	3 158	1	-	-	-	6	-
20	Niue	4	-	-	3	-	-	-
21	Papua New Guinea	2 875	65	-	1102	29	34	21
22	Philippines	44 932	2413	379	21403	85	2229	2348
23	Republic of Korea	35 877	185	6	3162	-	-	-
24	Samoa	155	-	-	35	-	4	-
25	Singapore	2 308	1	-	3+	-	7	3
26	Solomon Islands	206	-	-	1	-	20	7
27	Tokelau Islands	2	-	-	-	-	-	-
28	Tonga	90	-	-	-	-	7	1
29	T T of Pacific Islands	129	-	-	-	-	-	-
30	Tuvalu	8	-	-	-	-	-	-
31	Viet Nam	50 234	2476	224	113779	58	2231	383
32	Wallis and Futuna Is.	10	-	-	-	-	-	-
TOTAL WPR		1 164 532	5400	614	145283	192	4664	2863

Legend: - Nil
... Not available
+ Minimum value

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Six diseases under the WHO Expanded Programme on Immunization
Cumulative totals of cases and deaths from reports received for the year 1977

Country/Area		Estimated population ('000) 1977 (3)	Cumulative number by diseases					
No. (1)	Name (2)		POLIOMYELITIS (7)		TUBERCULOSIS (8)		MEASLES (9)	
			Cases	Deaths	Cases	Deaths	Cases	Deaths
1	American Samoa	32	-	-	7	2	56	-
2	Australia	14 075	2	...	1301	...	-	...
3	Brunei	170	...	...	...	...	...	...
4	China	865 600	...	...	...	...	...	...
5	Cook Islands	18	-	-	3	-	31	...
6	Democratic Kampuchea	8 358	...	...	...	...	...	...
7	Fiji	592	-	-	257	-	2384	-
8	French Polynesia	137	-	-	91	9	3478	-
9	Guam	105	-	-	58	7	6	-
10	Hong Kong	4 514	-	-	7191	532	1537	12
11	Japan	114 154	-	-	92219	8787	18061	138
12	Kiribati	53	-	-	45	3	78	-
13	Lao People's Dem. Rep.	3 600	...	...	999	12	153	-
14	Macau	250	-	-	120	8	-	-
15	Malaysia	12 644	121	4	...	...	6972	-
16	Nauru	7	-	-	7	-	80	-
17	New Caledonia	136	-	-	155	8	982	-
18	New Hebrides	99	-	-	56	11	375	-
19	New Zealand	3 158	1	-	606	88	-	-
20	Niue	4	-	-	-	-	1	-
21	Papua New Guinea	2 875	102	-	2244	98	7121	7
22	Philippines	44 932	1359	178	103039	16136	23564	933
23	Republic of Korea	35 877	35	-	153334	6219	5064	-
24	Samoa	155	-	-	44	3	240	-
25	Singapore	2 308	2	1	2760	340	255+	6
26	Solomon Islands	206	-	-	382	-	2935	-
27	Tokelau Islands	2	-	-	-	-	-	-
28	Tonga	90	-	-	19	-	20	-
29	T T of Pacific Islands	129	-	-	58	-	693	-
30	Tuvalu	8	-	-	5	-	-	-
31	Viet Nam	50 234	903	46	170878	2203	122558	212
32	Wallis and Futuna Is.	10	-	-	44	-	48	-
TOTAL WPR		1 164 532	2525	229	536822	34466	196692	1308

Legend: - Nil
... Not available
+ Minimum value

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Number of immunizations by type per live births - 1977^{a/}

No	Country/Area	DPT	BCG	POLIO	MEASLES
1	American Samoa				
2	Australia	6.1	0.9	5.8	0.7
3	Brunei				
4	China				
5	Cook Islands				
6	Democratic Kampuchea				
7	Fiji	3.6	2.3	3.7	-
8	French Polynesia				
9	Guam				
10	Hong Kong				
11	Japan	1.2	1.1	1.7	0.5
12	Kiribati				
13	Lao People's Dem. Rep.				
14	Macau				
15	Malaysia	1.8	0.9	3.0	-
16	Nauru				
17	New Caledonia				
18	New Hebrides	3.6	0.8	4.4	-
19	New Zealand	0.9	0.7	1.7	0.5
20	Niue				
21	Papua New Guinea	1.0	0.7	0.9	-
22	Philippines	0.2	0.5	0.1	-
23	Republic of Korea				
24	Samoa	0.7	0.7	2.5	-
25	Singapore	4.4 ^{b/}	1.6	5.0	0.3
26	Solomon Islands	1.8	1.6	1.8	-
27	Tokelau Islands				
28	Tonga	1.7	0.7	-	-
29	T T of Pacific Islands				
30	Tuvalu				
31	Viet Nam	2.3	1.6	3.0	0.7
32	Wallis and Futuna Is.				

^{a/} When data for each country are related to the relevant vaccination regimen for that country, ROUGH estimates of maximum coverage can be obtained. Correct measures of coverage are, however, to be based on the number of complete immunizations per eligible population. These data are given as a basis for discussion only.

^{b/} Includes DT

Sources of Information

1. Estimated population, 1978 - computed by HIN.
2. Life expectation at birth - (a) UN Demographic Yearbook - 1976, 1977
(b) World Population Data Sheet 1978, Population Reference Bureau Inc., Washington, C.D., March 1978
(c) World Health Statistics Annual, 1978 - Vol.I
3. Annual population growth rate (%), 1970-1977 - UN Demographic Yearbook - 1977
4. Crude birth rate, Crude death rate, Infant mortality rate, Natural increase (%) per annum - (a) UN Demographic Yearbook - 1977
(b) World Health Statistics Annual, 1978 - Vol. I
(c) World Population Data Sheet 1978, Population Reference Bureau Inc., Washington, D.C., March 1978
(d) Report on a Visit to the Gilbert Islands and Tuvalu, 3-6 November 1975 by Dr J.H Hirshman, WR/Suva
5. Daily per capita calorie supply/protein supply - FAO Production Yearbook 1977
6. Urban population - UN Demographic Yearbook, 1977
7. Per capita GNP - 1978 World Bank Atlas - Population, per capita product and growth rates.
8. Health budget/ expenditure - (a) Country Reviews for the Sixth World Health Situation Report, 1973-1977 submitted by Member States
(b) Population and Family Planning Programmes: A FACT Book, Reports on Population/Family Planning, Population Council, New York, October 1976
(c) Duty Travel Report of Dr J. Leowski on his visit to Guam, 20 September-15 October 1978

9. Health manpower:
- Physicians
- Medical assistants
- Professional nursing personnel -
- (a) Government responses to World Health Statistics Annual Questionnaires on Health Manpower
(b) World Health Statistics Annual, 1977 - Vol. III
10. Six diseases under the WHO Expanded Programme on Immunization -
- Periodic epidemiological reports received from Member countries.
11. Number of immunizations per live births -
- computed from Government reports on number of immunizations performed and estimated number of births during 1977.