

COUNTRY HEALTH INFORMATION PROFILE

PAPUA NEW GUINEA

WESTERN PACIFIC REGION HEALTH DATABANK, 2007 Revision

	INDICATORS	DATA			Year	Source
		Total	Male	Female		
1	Area (1 000 km ²)	462.84			2006	1
2	Estimated population ('000s)	6116.00	...	...	2006 est	4
3	Annual population growth rate (%)	2.70	...	...	2006 est	4
4	Percentage of population					
	- 0-4 years	14.50	14.50	14.40	2006 est	2
	- 5-14 years	26.00	26.00	26.00	2006 est	2
	- 65 years and above	2.60	2.50	2.50	2006 est	2
5	Urban population (%)	13.40	...	...	2005 est	3
6	Crude birth rate (per 1000 population)	35.00	...	...	2000	4
7	Crude death rate (per 1000 population)	12.00	...	...	2000	4
8	Rate of natural increase of population (% per annum)	2.30	...	...	2000	4
9	Life expectancy (years)					
	- at birth	53.00	52.50	53.60	2000	4
	- Healthy Life Expectancy (HALE) at age 60	...	10.10	10.60	2002	18
10	Adult literacy rate (%)	56.20 ^a	61.20 ^a	50.90 ^a	2000	4
11	Neonatal mortality rate (per 1000 live births)	32.00	...	...	2000 est	5
12	Infant mortality rate (per 1000 live births)	64.00	67.00	61.00	2000	4
13	Under-five mortality rate (per 1000 live births)	88.00	93.00	83.00	2000	6
14	Total fertility rate (women aged 15-49 years)	4.60			2000	4
15	Maternal mortality ratio (per 100 000 live births)	330.00			2000	6
16	Percentage of newborn infants weighing at least 2500 g at birth	90.00	...	...	2002	7
17	Prevalence of underweight children under five years of age	31.00	...	...	2005	8
18	Percentage of pregnant women with anaemia			...		
19	Percentage of teenage pregnancy			13.00	2006	8
20	Immunization coverage for infants (%)					
	- BCG	75.00	...	...	2006	9
	- DTP3	75.00	...	...	2006	9
	- POL3	80.00	...	...	2006	9
	- Measles	70.00	...	...	2006	9
	- Hepatitis B III	80.00	...	...	2006	9
21	MCH coverage (pregnancies, deliveries, infant care)					
	- Percentage of pregnant women cared for by skilled health personnel	59.00			2005	7
	- Percentage of pregnant women immunized with tetanus toxoid (TT2)	66.00			2005	7
	- Percentage of deliveries attended by skilled health personnel	38.20			2005	7
	- Percentage of deliveries at home by skilled health personnel (as % of total deliveries)	3.20			2005	7
	- Percentage of deliveries in health facilities (as % of total deliveries)	35.00			2005	7
22	Percentage of women in the reproductive age group using modern contraceptive methods			20.00	2005	8
23	Condom use rate of the contraceptive prevalence rate	...	...	1.00	2005 est	19
24	HIV prevalence among 15-24 year-old pregnant women			1.25	2006 est	20
25	Number of children orphaned by HIV/AIDS ^{2a}	...	...	2694	2006	20

INDICATORS		Data					Year	Source					
		Total	Urban	Rural									
26	Proportion of population with sustainable access to an improved water source	39.00	88.00	32.00			2004	10					
27	Proportion of population with access to improved sanitation	44.00	67.00	41.00			2004	10					
28	Proportion of the population using solid fuels (%)	90.00	...	...			2002	16			
29	Proportion of households with access to secure tenure	...											
30	Proportion of vehicles using unleaded gasoline (%)	100.00	...	...			2006	9			
31	Health care waste generation (metric tons per year)	...	...	...						
32	Human development index			0.52			2004	11					
33	Per capita GDP at current market prices (US\$)			846.74			2004	12					
34	Rate of growth of per capita GDP (%)			0.68			2004	12					
35	Health expenditure												
	Total health expenditure												
	- amount (in million US\$)			210.32			2005p	13					
	- total expenditure on health as % of GDP			3.90			2005p	13					
	- per capita total expenditure on health (in US\$)			35.72			2005p	13					
	Government expenditure on health												
	- amount (in million US\$)			179.35			2005p	13					
	- general government expenditure on health as % of total expenditure on health			85.30			2005p	13					
	- general government expenditure on health as % of total general government expenditure			9.60			2005p	13					
	External source of government health expenditure												
	- external resources for health as % of general government expenditure on health			16.65			2005p	13					
	Private health expenditure												
	- private expenditure on health as % of total expenditure on health			14.70			2005p	13					
	Exchange rate in US\$ of local currency is: 1 US\$ =			3.10 ^b			2005p	13					
36	Health insurance coverage as % of total population			...									
		Number					Rate per 10 000 population						
37	Health workforce	Total	Male	Female	Public	Private	Total	Male	Female	Public	Private		
	- physicians	750	1.26	2005	17
	- dentists	182	0.30	2005	17
	- pharmacists	2005	17
	- nurses	8914	14.98	2005	17
	- midwives	567	0	567	0.95	0.00	0.95	2005	17
	- other nursing / auxiliary staff	3926	6.60	2005	17
	- other paramedical staff (e.g. medical assistants, laboratory technicians, X-ray technicians)	385	0.64	2005	17
	- other health personnel (health inspectors, assistant sanitarians, traditional workers, etc.)	1065	1.79	2005	17
38	Workforce losses/ attrition									
39	Yearly new graduates - physicians	50								2005	17
40	Yearly new graduates - nurses	165								2005	17

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		Number			Rate per 100 000 population				
		Total	Male	Female	Total	Male	Female		
41	Leading causes of morbidity								
	1. Normal deliveries (including BBA)	55 996		55 996	1082.77		2247.23	2000	15
	2. Pneumonia	31 550	17 436	14 114	610.07	650.65	566.42	2000	15
	3. Malaria	30 471	15 295	15 176	589.20	570.76	609.04	2000	15
	4. Perinatal conditions	8508	4576	3932	164.52	170.76	157.80	2000	15
	5. Direct obstetric causes	8284		8284	160.18		332.45	2000	15
	6. Diarrhoea	7566	4210	3356	146.30	157.10	134.68	2000	15
	7. Open wounds and injury to blood vessels	7085	4619	2466	137.00	172.37	98.97	2000	15
	8. Diseases of the digestive system	7076	3476	3600	136.83	129.71	144.48	2000	15
	9. Tuberculosis	5841	3082	2759	112.94	115.01	110.72	2000	15
	10. Skin diseases	5700	3070	2630	110.22	114.56	105.55	2000	15
42	Leading causes of mortality								
	1. Pneumonia	957	510	447	18.51	19.03	17.94	2000	15
	2. Perinatal conditions	834	455	379	16.13	16.98	15.21	2000	15
	3. Malaria	629	324	305	12.16	12.09	12.24	2000	15
	4. Tuberculosis	502	305	197	9.71	11.38	7.91	2000	15
	5. Meningitis	401	217	184	7.75	8.10	7.38	2000	15
	6. Heart diseases	302	147	155	5.84	5.49	6.22	2000	15
	7. Diseases of the digestive system	239	167	72	4.62	6.23	2.89	2000	15
	8. Septicaemia	192	114	78	3.71	4.25	3.13	2000	15
	9. Anaemia	180	82	98	3.48	3.06	3.93	2000	15
	10. Diarrhoea	179	105	74	3.46	3.92	2.97	2000	15
43	Selected diseases under the WHO-EPI								
	- Congenital rubella syndrome	NR	NR	NR	NR	NR	NR	2006	9
	- Diphtheria	0	0	0	0	0	0	2006	9
	- Hib meningitis	...	...	...	...	...	...
	- Measles	1	...	...	...	...	...	2006	9
	- Mumps	NR	NR	NR	NR	NR	NR	2006	9
	- Neonatal tetanus	58	...	...	...	...	...	2006	9
	- Pertussis (whooping cough)	3051	...	...	...	...	...	2006	9
	- Poliomyelitis	0	0	0	0	0	0	2006	9
	- Rubella	NR	NR	NR	NR	NR	NR	2006	9
	- Total Tetanus	58	...	...	...	...	...	2006	9
44	Selected communicable diseases								
	Hepatitis viral								
	- Type A	...	...	...	...	...	...
	- Type B	392 575	...	...	...	...	...	2002	7
	- Type C	...	...	...	...	...	...
	- Type E	...	...	...	...	...	...
	- Unspecified	81	55	26	2	2	0	2000	15
	Cholera	0	0	0	0	0	0	2000	15
	Dengue/DHF	22	...	...	...	...	...	2002	9

INDICATORS		DATA					Year	Source	
		Number of cases			Number of deaths				
		Total	Male	Female	Total	Male	Female		
44	Selected communicable diseases								
	Encephalitis	...	...	...	...	...	...
	Gonorrhoea	34	14	20	0	0	0	2000	15
	Leprosy	381	...	...	...	...	...	2005	9
	Malaria	98 762 ^c	...	...	725 ^c	...	...	2005	9
	Plague	...	...	...	...	...	...
	Syphilis	184	66	118	8	3	5	2000	15
	Typhoid fever	5145	2546	2599	164	95	69	2000	15
45	Malaria	Prevalence rates			Death rates				
	- Rates associated with malaria (per 100 000 population)	1657 ^c	...	...	12.17 ^c	...	...	2005	9
	- Proportion of population in malaria-risk areas using effective malaria prevention measures ^{ab}						...		
	- Proportion of population in malaria-risk areas using effective malaria treatment measures ^{ac}						...		
46	Tuberculosis	Number of cases			Number of deaths				
	- All types	12 564	...	...	...	...	...	2005	9
	- New pulmonary tuberculosis (smear-positive)	1805	...	...	...	...	...	2005	9
		Prevalence rates			Death rates				
	- Rates associated with tuberculosis (per 100 000 population)	475.00	...	...	46.00	...	...	2005	9
		Detection rates			Success rates				
	- Proportion of tuberculosis cases detected and cured under directly observed treatment, short-course (DOTS)	21.00	...	...	65.00 (2004)	...	...	2005	9
		Number of cases			Number of deaths				
47	Acute respiratory infections	300	160	140	3	1	2	2000	15
48	Diarrhoeal diseases	7566	4210	3356	179	105	74	2000	15
49	Cancers								
	All cancers (malignant neoplasms only)	2694	1071	1623	268	137	131	2000	15
	- Breast	184	...	184	7	...	7	2000	15
	- Colon and rectum	36	16	20	9	6	3	2000	15
	- Cervix			656			29	2000	15
	- Oesophagus	51	37	14	7	5	2	2000	15
	- Leukaemia	102	56	46	28	14	14	2000	15
	- Lip, oral cavity and pharynx	428	248	180	22	11	11	2000	15
	- Liver	335	239	112	51	35	16	2000	15
	- Stomach	31	12	19	4	2	2	2000	15
	- Trachea, bronchus, and lung	63	43	20	16	12	4	2000	15
50	Circulatory								
	All circulatory system diseases	...	...	...	...	...	...
	- Acute myocardial infarction	19	16	3	1	0	1	2000	15
	- Cerebrovascular diseases	7	5	2	0	0	0	2000	15
	- Hypertension	491	258	233	28	22	6	2000	15
	- Ischaemic heart disease	123	67	54	8	3	5	2000	15
	- Rheumatic fever and rheumatic heart diseases	47	25	22	7	5	2	2000	15

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		Number of cases			Number of deaths				
		Total	Male	Female	Total	Male	Female		
51	Maternal causes								
	- Abortion			3371			6	2000	15
	- Eclampsia			605			4	2000	15
	- Haemorrhage			1698			36	2000	15
	- Obstructed labour			50			0	2000	15
	- Sepsis			951			13	2000	15
52	Diabetes mellitus	323	183	140	43	27	16	2000	15
53	Mental disorders	520	274	246	6	5	1	2000	15
54	Injuries								
	All types	20 420	12 404	8016	230	147	83	2000	15
	- Homicide and violence	446	102	346	4	2	2	2000	15
	- Motor and other vehicular accidents	504	346	158	19	12	7	2000	15
	- Occupational injuries	0	0	0	0	0	0	2000	15
	- Suicide	60	11	49	1	0	1	2000	15
55	Proportion of population with access to affordable essential drugs on a sustainable basis						...		
56	Health infrastructure				Number	Number of Beds			
	Public health facilities								
	- General hospitals				19	...	2003	14	
	- Specialized hospitals				4	...	2003	14	
	- District/first-level referral hospitals				201	...	2003	14	
	- Primary health care centres				2875	...	2003	14	
	Private hospitals				...	...	
Notes:									
Red text	Millennium Development Goals (MDG) indicators								
...	Data not available								
p	Provisional								
est	Estimate								
NR	Not relevant								
aa	Proxy indicator for MDG indicator 20: Ratio of school attendance of orphans to school attendance on non-orphans age 10-14 years								
ab	Prevention is measured by the percentage of children ages 0-59 months sleeping under insecticide-treated bednets								
ac	Treatment is measured by the proportion of children ages 0-59 months who were ill with the fever in the two weeks before the survey and who received appropriate antimalarial drugs								
a	Figure refers to population aged 10 years and over								
b	Revised data								
c	Due to limited diagnostic facilities, a majority of suspected cases are treated on clinical ground and therefore not included among confirmed cases								
Sources:									
1	Pacific Island Populations 2004. Secretariat of the Pacific Community, Noumea, 2004. http://www.spc.int/demog/ .								
2	Demographic Tables for the Western Pacific 2005-2010. Manila, World Health Organization Regional Office for the Western Pacific, 2005.								
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4	2000 National Census, National Statistics Office.								
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6	Millennium Development Goals progress report for Papua New Guinea 2004. Government of Papua New Guinea and United Nations in Papua New Guinea, 2004.								
7	Papua New Guinea National Department of Health Information System, Monitoring and Research Branch.								
8	Papua New Guinea National Department of Health, Family Health Branch.								
9	WHO Regional Office for the Western Pacific, data received from the technical units.								
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11	Human Development Report 2006: Beyond scarcity, power, poverty and the global water crisis. United Nations Development Programme, New York USA 2006. [http://hdr.undp.org/hdr2006/pdfs/report/HDR06-complete.pdf].								

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