

# COUNTRY HEALTH INFORMATION PROFILE

**TONGA**

**WESTERN PACIFIC REGION HEALTH DATABANK, 2008 Revision**

INDICATORS		DATA					Year	Source
<b>Demographics</b>		<b>Total</b>	<b>Male</b>	<b>Female</b>				
1	Area (1 000 km <sup>2</sup> )	0.75					1	
2	Estimated population ('000s)	109.00	56.00	54.00	2007 est		2	
3	Annual population growth rate (%)	0.30	...	...	2001		3	
4	<b>Percentage of population</b>							
	- 0-4 years	13.00	13.10	12.80	2007 est		2	
	- 5-14 years	23.20	23.80	22.70	2007 est		2	
	- 65 years and above	5.60	5.00	6.50	2007 est		2	
5	Urban population (%)	24.00	...	...	2007 est		4	
6	Crude birth rate (per 1000 population)	24.80	...	...	2004		5	
7	Crude death rate (per 1000 population)	6.10	...	...	2004		5	
8	Rate of natural increase of population (% per annum)	1.87 <sup>a</sup>	...	...	2004		5	
9	<b>Life expectancy (years)</b>							
	- at birth	...	70.00	72.00	2005		7	
	- Healthy Life Expectancy (HALE) at age 60	...	11.90	12.00	2002		8	
10	Total fertility rate (women aged 15-49 years)	3.40			2005		7	
<b>Socioeconomic indicators</b>								
11	Adult literacy rate (%)	98.80	...	...	2000		9	
12	Per capita GDP at current market prices (US\$)	1 780.00			2003-04		11	
13	Rate of growth of per capita GDP (%)	...						
14	Human development index	0.82			2005		13	
<b>Environmental indicators</b>		<b>Total</b>	<b>Urban</b>	<b>Rural</b>				
15	Proportion of vehicles using unleaded gasoline (%)	...	...	...				
16	Health care waste generation (metric tons per year)	...	...	...				
<b>Communicable and noncommunicable diseases</b>		<b>Number of new cases</b>			<b>Number of deaths</b>			
17	<b>Selected communicable diseases</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	
	Hepatitis viral							
	- Type A	2	0	2	0	0	0	2002 17
	- Type B	5	4	1	5	3	2	2002 17
	- Type C	0	0	0	0	0	0	2002 17
	- Type E	...	...	...	...	...	...	
	- Unspecified	0	0	0	0	0	0	2002 17
	Cholera	0	0	0	0	0	0	2002 17
	Dengue/DHF	62	...	...	...	...	...	2007 12
	Encephalitis	2	...	...	...	...	...	2003 17
	Gonorrhoea	42	...	...	...	...	...	2003 7
	Leprosy	0	0	0	0	0	0	2006 12
	Malaria	...	...	...	...	...	...	
	Plague	0	0	0	0	0	0	2002 17
	Syphilis	0	0	0	0	0	0	2002 17
	Typhoid fever	23	...	...	...	...	...	2003 5

INDICATORS		DATA						Year	Source
Communicable and noncommunicable diseases		Number of new cases			Number of deaths				
		Total	Male	Female	Total	Male	Female		
18	<b>Acute respiratory infections</b>	20 891	...	...	...	...	...	2004	5
19	<b>Diarrhoeal diseases</b>	1 682	...	...	...	...	...	2004	5
20	<b>Tuberculosis</b>								
	- All forms	18	...	...	...	...	...	2006	12
	- New pulmonary tuberculosis (smear-positive)	14	...	...	...	...	...	2006	12
21	<b>Cancers</b>								
	All cancers (malignant neoplasms only)	101	46	55	76	42	34	2002	6
	- Breast	...	...	...	...	...	...		
	- Colon and rectum	3	3	0	0	0	0	2002	6
	- Cervix			7			3	2002	6
	- Oesophagus	...	...	...	...	...	...		
	- Leukaemia	1	0	1	1	0	1	2002	6
	- Lip, oral cavity and pharynx	6	3	3	3	0	3	2002	6
	- Liver	6	3	3	8	6	2	2002	6
	- Stomach	8	6	2	5	4	1	2002	6
	- Trachea, bronchus, and lung	7	7	0	13	11	2	2002	6
22	<b>Circulatory</b>								
	All circulatory system diseases	...	...	...	192	121	71	2002	6
	- Acute myocardial infarction	34	26	8	28	19	9	2002	6
	- Cerebrovascular diseases	41	15	26	21	9	12	2002	6
	- Hypertension	1 154	634	520	7	4	3	2002	6
	- Ischaemic heart disease	34	18	16	7	7	0	2002	6
	- Rheumatic fever and rheumatic heart diseases	21	9	12	1	1	0	2002	6
23	<b>Diabetes mellitus</b>	2 035	787	1 248	35	14	21	2002	6
24	<b>Mental disorders</b>	199	130	69	0	0	0	2002	6
25	<b>Injuries</b>								
	All types	...	...	...	...	...	...		
	- Homicide and violence	0	0	0	1	1	0	2002	6
	- Motor and other vehicular accidents	109	80	29	0	0	0	2002	6
	- Occupational injuries	0	0	0	0	0	0	2002	6
	- Suicide	0	0	0	1	1	0	2002	6
	<b>Leading causes of mortality and morbidity</b>								
26	<b>Leading causes of morbidity (inpatient care)</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>		
	1. Acute respiratory infections	20 819	...	...	20 437.83 <sup>a</sup>	...	...	2004	5
	2. Influenza	20 057	...	...	19 689.79 <sup>a</sup>	...	...	2004	5
	3. Bronchiopneumonia	1 947	...	...	1 911.35 <sup>a</sup>	...	...	2004	5
	4. Diarrhoea (adult)	1 011	...	...	992.49 <sup>a</sup>	...	...	2004	5
	5. Diarrhoea (children)	671	...	...	658.71 <sup>a</sup>	...	...	2004	5
	6.								
	7.								
	8.								
	9.								
	10.								



INDICATORS		DATA						Year	Source	
<b>Health facilities</b>		<b>Number</b>			<b>Number of beds</b>					
36	<b>Facilities with HIV testing and counseling services</b>	...								
37	<b>Health infrastructure</b>									
	Public health facilities - General hospitals	1			191			2004	18	
	- Specialized hospitals	...			...					
	- District/first-level referral hospitals	3			105			2004	18	
	- Primary health care centres	14			...			2005	5	
	Private health facilities - Hospitals	...			...					
	- Outpatient clinics	...			...					
<b>Health care financing</b>										
38	<b>Total health expenditure</b>									
	- amount (in million US\$)							11.82	2006p	15
	- total expenditure on health as % of GDP							5.40	2006p	15
	- per capita total expenditure on health (in US\$)							118.20	2006p	15
	<b>Government expenditure on health</b>									
	- amount (in million US\$)							8.87	2006p	15
	- general government expenditure on health as % of total expenditure on health							75.30	2006p	15
	- general government expenditure on health as % of total general government expenditure							11.10	2006p	15
	<b>External source of government health expenditure</b>									
	- external resources for health as % of general government expenditure on health							43.84	2006p	15
	<b>Private health expenditure</b>									
	- private expenditure on health as % of total expenditure on health							24.70	2006p	15
	<b>Exchange rate in US\$ of local currency is: 1 US\$ =</b>							2.03	2006p	15
39	<b>Health insurance coverage as % of total population</b>							12.00	FY 2002-2003	5
INDICATOR		DATA						Year	Source	
40	<b>Human resources for health</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Urban</b>	<b>Rural</b>	<b>Public</b>	<b>Private</b>		
	Physicians									
	- Number	32 <sup>c</sup>	...	...	...	...	...	...	2003	5
	- Rate per 1000 population	0.39	...	...	...	...	...	...	2003	5
	Dentists									
	- Number	23 <sup>d</sup>	...	...	...	...	...	...	2003	5
	- Rate per 1000 population	0.23	...	...	...	...	...	...	2003	5
	Pharmacists									
	- Number	4	3	1	...	...	...	...	2002	6
	- Rate per 1000 population	0.04	0.06	0.02	...	...	...	...	2002	6
	Nurses									
	- Number	342	...	...	...	...	...	...	2003	5
	- Rate per 1000 population	3.37	...	...	...	...	...	...	2003	5
	Midwives									
	- Number	21	0	21	...	...	...	...	2002	6
	- Rate per 1000 population	0.21	0.00	0.21	...	...	...	...	2002	6
	Paramedical staff									
	- Number	...	...	...	...	...	...	...		
	- Rate per 1000 population	...	...	...	...	...	...	...		
	Community health workers									
	- Number	...	...	...	...	...	...	...		
	- Rate per 1000 population	...	...	...	...	...	...	...		
41	<b>Annual number of graduates</b>									
	Physicians	...								
	Dentists	...								

TONGA

INDICATORS		DATA							Year	Source	
		Total	Male	Female	Urban	Rural	Public	Private			
41	Annual number of graduates	Pharmacists	...	...	...	...	...	...	...		
		Nurses	30	...	...	...	...	...	...	2004	16
		Midwives	...	...	...	...	...	...	...		
		Paramedical staff	...	...	...	...	...	...	...		
		Community health workers	...	...	...	...	...	...	...		
42	Workforce losses/ Attrition	Physicians	...	...	...	...	...	...			
		Dentists	...	...	...	...	...	...			
		Pharmacists	...	...	...	...	...	...	...		
		Nurses	...	...	...	...	...	...	...		
		Midwives	...	...	...	...	...	...	...		
		Paramedical staff	...	...	...	...	...	...	...		
		Community health workers	...	...	...	...	...	...	...		
INDICATORS		DATA							Year	Source	
	<b>Health-related Millennium Development Goals (MDGs)</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>							
43	Prevalence of underweight children under five years of age	...	...	...							
44	Infant mortality rate (per 1000 live births)		11.80	...			...	2005	7		
45	Under-five mortality rate (per 1000 live births)		16.59	...			...	2001	7		
46	Proportion of 1 year-old children immunised against measles		99.50	...			...	2007	12		
47	Maternal mortality ratio (per 100 000 live births)		227.80					2005	7		
48	Proportion of births attended by skilled health personnel		99.00					2004	5		
	- Percentage of deliveries at home by skilled health personnel (as % of total deliveries)		1.00					2004	5		
	- Percentage of deliveries in health facilities (as % of total deliveries)		98.00					2004	5		
49	Contraceptive prevalence rate		...	...			...				
50	Adolescent birth rate		...								
51	Antenatal care coverage - At least one visit		99.00					2004	5		
	- At least four visits		...								
52	Unmet need for family planning		...	...			...				
53	HIV prevalence among population aged 15-24 years		...	...			...				
54	Estimated HIV prevalence in adults °		...	...			...				
55	Percentage of people with advanced HIV infection receiving ART		...	...			...				
56	Malaria incidence rate per 100 000 population		...	...			...				
57	Malaria death rate per 100 000 population		1	...			...	2000 est	8		
58	Proportion of population in malaria-risk areas using effective malaria prevention measures		...	...			...				
59	Proportion of population in malaria-risk areas using effective malaria treatment measures		...	...			...				
60	Tuberculosis prevalence rate per 100 000 population		34.00	...			...	2006	12		
61	Tuberculosis death rate per 100 000 population		3.00	...			...	2006	12		
62	Proportion of tuberculosis cases detected under directly observed treatment short-course (DOTS)		127.00	...			...	2006	12		
63	Proportion of tuberculosis cases cured under directly observed treatment short-course (DOTS)		73.00	...			...	2005	12		
		<b>Total</b>	<b>Urban</b>	<b>Rural</b>							
64	Proportion of population using an improved drinking water source		100.00	100.00			100.00	2006	14		
65	Proportion of population using an improved sanitation facility		96.00	98.00			96.00	2006	14		
66	Proportion of population with access to affordable essential drugs on a sustainable basis		...	...			...				

Notes:	
...	Data not available
p	Provisional
est	Estimate
NR	Not relevant
a	Computed by Health Information and Evidence for Policy Unit of WHO Regional Office for the Western Pacific
b	Estimates derived by regression and similar estimation methods
c	Figure refers to government doctors
d	Figure refers to dental officers and dental therapists
e	Not included in the official list of MDG indicators
Sources:	
1	Official Kingdom of Tonga Website- Key facts about Kingdom of Tonga [ <a href="http://www.pmo.gov.to/index.php?option=com_content&amp;task=view&amp;id=27&amp;Itemid=27">http://www.pmo.gov.to/index.php?option=com_content&amp;task=view&amp;id=27&amp;Itemid=27</a> ]
	Pacific island populations 2004. Noumea, Secretariat of the Pacific Community, 2004.
2	Demographic Tables for the Western Pacific 2005-2010. Manila, World Health Organization Regional Office for the Western Pacific, 2005.
3	Report of the Minister of Health – Year 2001.
4	United Nations, Department of Economic and Social Affairs, Population Division (2007). World Population 2006. Wallchart (United Nations publication, Sales No. E.08.XIII.3).
5	Information provided by Country Liaison Officer for Tonga, 10 May 2005.
6	Report of the Minister of Health for the year 2002.
7	Tonga Statistics Department ( <a href="http://www.spc.in/prism">http://www.spc.in/prism</a> ).
8	World health report 2004: <i>Changing history</i> . Geneva, World Health Organization, 2004.
9	Report of the Minister of Education – Year 2000.
10	World health report 2005: <i>Make every mother and child count</i> . Geneva, World Health Organization, 2005.
11	Social and Economic Update and Pro-Poor Policy Formulation, Tonga. Pacific Island Economic Report series, ADB TA6245 (reg).
12	WHO Regional Office for the Western Pacific, data received from the technical units.
13	Human Development Report 2007/2008: <i>Fighting climate change: Human solidarity in a divided world</i> . United Nations Development Programme, New York USA 2007. [ <a href="http://hdr.undp.org/en/reports/global/hdr2007-2008/">http://hdr.undp.org/en/reports/global/hdr2007-2008/</a> ]
14	World Health Organization and United Nations Children's Fund Joint Monitoring Programme for Water Supply and Sanitation (JMP). <i>Progress on Drinking Water and Sanitation: Special focus on Sanitation</i> . UNICEF, New York and WHO, Geneva, 2008. [ <a href="http://www.wssinfo.org/en/40_mdg2008.html">http://www.wssinfo.org/en/40_mdg2008.html</a> ]
15	World Health Organization - National health accounts series [ <a href="http://www.who.int/entity/nha/country/MYS.pdf">http://www.who.int/entity/nha/country/MYS.pdf</a> ].
16	Personal communication with the Principal, Queen Salote School of Nursing.
17	Information Unit, Ministry of Health.
18	Information provided by Country Liaison Officer for Tonga, 05 March 2004.