

**PHG Needs Assessment Calculator****Tonga****Health Services**

Welcome to the PHG Health Needs Assessment Calculator for Health Services. The contents of this file are listed below.

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Country health-service data	HealthServices
Health services: Birth prevalence estimates for various congenital disorders	HSER-NA1

**Tonga**  
**Shared Data**  
**Demographic, maternal health and socio-economic indicators**

Please read first! If you have already completed a needs assessment for a different topic in this country, you will be able to copy the Demography information from that Calculator into here. The information should be the same.

By default, the Toolkit contains information at the national level.

If you would like to use a different population, then replace country information with that of your specific population of interest.

Number of persons by age-group and sex Age group	Estimates			Your estimates			Chosen estimates		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4 years	7174	6608	13782			0			0
5-9 years	6745	6059	12804			0			0
10-14 years	6412	5908	12320			0			0
15-19 years	5383	4897	10280			0			0
20-24 years	4648	4543	9191			0			0
25-29 years	3639	3665	7304			0			0
30-34 years	3146	3191	6337			0			0
35-39 years	3112	3117	6229			0			0
40-44 years	2578	2436	5014			0			0
45-49 years	1923	2059	3982			0			0
50-54 years	1634	1831	3465			0			0
55-59 years	1359	1490	2849			0			0
60-64 years	1169	1301	2470			0			0
65+ years	2763	3079	5842			0			0
Total	51685	50184	101991	0	0	0	0	0	0
Female population aged 15-44 years		21849			-			-	
Data year	2006 reported in 2009								
Source, Year	UN 2011								

**Ethnicity. Please enter data for the main ethnic groups if you are working with a population that is different from that of the country.**

Ethnic group	Number	% population

Fertility and mortality	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year

Crude birth rate: live births (LB) / year / 1000 population	26.62	Unicef, 2013				
Still birth rate (SB): Still births (SB) / year / 1000 total births	9.11	WHO, 2009				
Total births in 1000s (LB+SB) per year	3	Unicef, 2013				
Infant mortality rate: infant deaths / 1000 LB / year	13.2	Unicef, 2013				
Under-5 mortality rate: U5 deaths / 1000 LB / year	15.4	Unicef, 2013				
Percentage births in women >35 years						
Life expectancy at birth (yrs)	72.32	Unicef, 2013				
% of marriages consanguineous						

	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
<b>Maternal health</b>						
Prenatal visits – at least 1 visit (%)	97.9	Unicef, 2013				
Prenatal visits – at least 4 visits (%)	–	Unicef, 2013				
Births attended by skilled health personnel (%)	98.4	Unicef, 2013				
Contraception prevalence rate (%)	31.5	Unicef, 2013				
Unmet need for family planning (%)	12.1	WHO, 2001				
Total fertility rate	3.86	Unicef, 2013				
% home births						
% births at health care services	98.00	Unicef, 2013				
<b>Newborn health</b>						
Number of neonatal examinations by SBA / trained staff						
% neonatal examinations by SBA/ trained staff						

	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
<b>Socio-economic indicators</b>						
Gross national income per capita (PPP int. \$)	4690	Unicef, 2013				
% population living on < US\$1 per day	2.6	Unicef, 2013				
Birth registration coverage (%)						
Death registration coverage (%)	25-49	WHO, 2003				

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

## Tonga

## Shared Data

## Health services data

**Please read first!** If you have already completed a needs assessment for a different topic in this country, you will be able to copy the Health Services information from that Calculator into here. The information should be the same.

This section provides health-service-related information for your country.

**By default, the Toolkit contains information at the national level.**

**If you would like to use a different population, then replace country information with that of your specific population of interest.**

Health Expenditure	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Per capita total expenditure on health (PPP int. \$)	245.4	WHO 2011				
Total expenditure on health as percentage of GDP	5.3	WHO 2011				
Per capita government expenditure on health (PPP int. \$)	205.1	WHO 2011				
External resources for health as percentage of total expenditure on health	0.2	WHO 2011				
General government expenditure on health as percentage of total expenditure on health	83.6	WHO 2011				
Out-of-pocket expenditure as percentage of private expenditure on health	67.8	WHO 2011				
Private expenditure on health as percentage of total expenditure on health	16.4	WHO 2011				
General government expenditure on health as percentage of total government expenditure	15.8	WHO 2011				

Health Workforce	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Number of nursing and midwifery personnel	34551	WHO, 2009				
Nursing and midwifery personnel density (per 10,000 population)	32.8	WHO, 2009				
Number of physicians	12535	WHO, 2009				
Physician density (per 10 000 population)	11.9	WHO, 2009				
Number of obstetricians						
Number of paediatricians						
Number of paediatric surgeons						
Number of paediatric cardiac surgeons						
Number of paediatric neurosurgeons						
Number of clinical geneticists						
Number of genetic counsellors						
Number of community health workers						
Number of skilled birth attendants (SBA)						

Density of SBA						
Number of lab staff providing cytogenetic testing						
Number of lab staff providing molecular genetics						
Number of lab staff providing biochemical tests for genetics						
Number of skilled health attendants						

<b>Infrastructure</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Number of maternity units						
Number of services providing specialised care for people with CD						
Number of family planning services						
Number of preconception services						
Number of services providing prenatal care						
Number of services providing newborn care						
Number of facilities providing genetic services						
Number of laboratories providing cytogenetics						
Number of laboratories providing molecular genetics						
Number of laboratories providing biochemical tests for genetics						
Number of facilities for safe terminations of pregnancies for fetal defects						

PPP = purchasing power parity

GDP = gross domestic product

SBA = skilled birth attendant

CD = congenital disorders

**Tonga****Health services****Health services: Birth prevalence estimates for various congenital disorders**

<b>Conditions</b>	<b>Global prevalence per 1000 LB</b>	<b>Country prevalence per 1000 LB</b>	<b>Country number of births annually</b>
Down's syndrome			
Sex chromosomal disorders			
Chromosomal disorders (all)			
Congenital heart disease			
Neural tube defects			
Orofacial clefts			
Other malformations			
Malformations (all)			
Sickle cell disease			
Thalassaemias			
Haemoglobin disorders (all)			
Other recessive single gene disorders (SGD)			
Dominant SGD			
X-linked SGD			
All SGD of clinical significance			
Rhesus haemolytic disease			
G6PD deficiency			
Environmental causes (all)			
Unknown causes			

LB = live births