

PHG Needs Assessment Calculator**Bhutan****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 demographic, maternal health and socioeconomic indicators	Demography
Country health-service data	HealthServices
Health services: Birth prevalence estimates for various congenital disorders	HSER-NA1

Bhutan**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	1748080	1660861	3408941			0			0
5-9 years	1817140	1724927.5	3542067			0			0
10-14 years	2018511	1917126	3935636.5			0			0
15-19 years	2109310	2001118.5	4110428			0			0
20-24 years	2545196	2432759.5	4977955.5			0			0
25-29 years	2528976	2441618	4970594			0			0
30-34 years	2477999	2414741.5	4892740			0			0
35-39 years	2471222	2404786	4876007.5			0			0
40-44 years	3315597	3179768	6495364.5			0			0
45-49 years	3633688	3483992	7117679.5			0			0
50-54 years	3195343	3131621.5	6326964			0			0
55-59 years	2729905	2777130	5507034.5			0			0
60-64 years	2344197	2429642	4773839			0			0
65+ years	7224385	9638037	16862421.5			0			0
Total	40159544	41638128.5	81797672.5	0	0	0	0	0	0
Female population aged 15-44 years		14874791.5			-			-	
Data year	2011 reported in 2011								
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	20.06	Unicef, 2013				
Still birth rate (SB): Still births (SB) / year / 1000 total births	22.48	WHO, 2009				
Total births in 1000s (LB+SB) per year	15	Unicef, 2013				
Infant mortality rate: infant deaths / 1000 LB / year	42	Unicef, 2013				
Under-5 mortality rate: U5 deaths / 1000 LB / year	53.7	Unicef, 2013				
Percentage births in women >35 years						
Life expectancy at birth (yrs)	67.19	Unicef, 2013				
% of marriages consanguineous						

	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Maternal health						
Prenatal visits – at least 1 visit (%)	97.3	Unicef, 2013				
Prenatal visits – at least 4 visits (%)	77.3	Unicef, 2013				
Births attended by skilled health personnel (%)	64.5	Unicef, 2013				
Contraception prevalence rate (%)	65.6	Unicef, 2013				
Unmet need for family planning (%)						
Total fertility rate	2.33	Unicef, 2013				
% home births						
% births at health care services	63.10	Unicef, 2013				
Newborn health						
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
Socio-economic indicators						
Gross national income per capita (PPP int. \$)	5480	Unicef, 2013				
% population living on < US\$1 per day	26.2	Unicef, 2013				
Birth registration coverage (%)	99.9	WHO 2010				
Death registration coverage (%)						

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

Bhutan**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. \$)	236.2	WHO 2011				
Total expenditure on health as percentage of GDP	4.1	WHO 2011				
Per capita government expenditure on health (PPP int. \$)	198.1	WHO 2011				
External resources for health as percentage of total expenditure on health	46.8	WHO 2011				
General government expenditure on health as percentage of total expenditure on health	83.9	WHO 2011				
Out-of-pocket expenditure as percentage of private expenditure on health	94.7	WHO 2011				
Private expenditure on health as percentage of total expenditure on health	16.1	WHO 2011				
General government expenditure on health as percentage of total government expenditure	7.9	WHO 2011				

Health Workforce	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Number of nursing and midwifery personnel	545	WHO, 2007				
Nursing and midwifery personnel density (per 10,000 population)	3.2	WHO, 2007				
Number of physicians	52	WHO, 2007				
Physician density (per 10 000 population)	0.23	WHO, 2007				
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						

Infrastructure	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
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

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

Conditions	Global prevalence per 1000 LB	Country prevalence per 1000 LB	Country number of births annually
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