

PHG Needs Assessment Calculator
Bolivia, Plurinational State of
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

Bolivia, Plurinational State of**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	Estimates			Your estimates			Chosen estimates		
Age group	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4 years	665836.5	639766.032	1305602.56			0			0
5-9 years	645949.3	621615.832	1267565.088			0			0
10-14 years	604569.9	581912.92	1186482.808			0			0
15-19 years	572437.9	552960.112	1125397.984			0			0
20-24 years	504146.1	491648.04	995794.104			0			0
25-29 years	435626.7	430289.16	865915.896			0			0
30-34 years	377541.3	379019.832	756561.144			0			0
35-39 years	332276.5	339626.416	671902.904			0			0
40-44 years	272602.1	282204.264	554806.344			0			0
45-49 years	221768.1	233407.776	455175.904			0			0
50-54 years	184250.3	197892.112	382142.44			0			0
55-59 years	148104.7	164306.416	312411.12			0			0
60-64 years	118181.8	134102.68	252284.464			0			0
65+ years	218651	273801.56	492452.56			0			0
Total	5301942	5322553.152	10624495.32	0	0	0	0	0	0
Female population aged 15-44 years		2475747.824			-			-	
Data year	2011 reported in								
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
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Crude birth rate: live births (LB) / year / 1000 population	26	Unicef, 2013				
Still birth rate (SB): Still births (SB) / year / 1000 total births	16.78	WHO, 2009				
Total births in 1000s (LB+SB) per year	264.14	Unicef, 2013				
Infant mortality rate: infant deaths / 1000 LB / year	39.3	Unicef, 2013				
Under-5 mortality rate: U5 deaths / 1000 LB / year	50.6	Unicef, 2013				
Percentage births in women >35 years						
Life expectancy at birth (yrs)	66.62	Unicef, 2013				
% of marriages consanguineous						

	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Maternal health						
Prenatal visits – at least 1 visit (%)	85.8	Unicef, 2013				
Prenatal visits – at least 4 visits (%)	72.1	Unicef, 2013				
Births attended by skilled health personnel (%)	71.1	Unicef, 2013				
Contraception prevalence rate (%)	60.6	Unicef, 2013				
Unmet need for family planning (%)	20.2	WHO, 2008				
Total fertility rate	3.29	Unicef, 2013				
% home births						
% births at health care services	67.50	Unicef, 2013				
Newborn health	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
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. \$)	4920	Unicef, 2013				
% population living on < US\$1 per day	19.6	Unicef, 2013				
Birth registration coverage (%)	75.8	WHO 2008				
Death registration coverage (%)						

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

Bolivia, Plurinational State of
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. \$)	250.3	WHO 2011				
Total expenditure on health as percentage of GDP	4.9	WHO 2011				
Per capita government expenditure on health (PPP int. \$)	177.1	WHO 2011				
External resources for health as percentage of total expenditure on health		WHO 2011				
General government expenditure on health as percentage of total expenditure on health	70.8	WHO 2011				
Out-of-pocket expenditure as percentage of private expenditure on health	88.3	WHO 2011				
Private expenditure on health as percentage of total expenditure on health	29.2	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	18091	WHO, 2001				
Nursing and midwifery personnel density (per 10,000 population)	21.3	WHO, 2001				
Number of physicians	10329	WHO, 2001				
Physician density (per 10 000 population)	12.2	WHO, 2001				
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

Bolivia, Plurinational State of**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