

**PHG Needs Assessment Calculator**  
**Bosnia and Herzegovina**  
**Health Services**

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

Full name of the sheet	Short name
Country demographic, maternal health and socioeconomic indicators	Demography
Country health-service data	HealthServices
Health services: Birth prevalence estimates for various congenital disorders	HSER-NA1

**Bosnia and Herzegovina****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	278342	279158	557500			0			0
5-9 years	230099	228052	458151			0			0
10-14 years	205101	207262	412363			0			0
15-19 years	183295	196070	379365			0			0
20-24 years	164340	191160	355500			0			0
25-29 years	163098	171299	334397			0			0
30-34 years	147570	141911	289481			0			0
35-39 years	124027	114601	238628			0			0
40-44 years	93830	86626	180456			0			0
45-49 years	70361	66672	137033			0			0
50-54 years	49171	53470	102641			0			0
55-59 years	35307	39160	74467			0			0
60-64 years	26655	31320	57975			0			0
65+ years	50161	69372	119533			0			0
Total	1821357	1876133	3697490	0	0	0	0	0	0
Female population aged 15-44 years		901667			-			-	
Data year	2007 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	8.41	Unicef, 2013				
Still birth rate (SB): Still births (SB) / year / 1000 total births	4.21	WHO, 2009				
Total births in 1000s (LB+SB) per year	32	Unicef, 2013				
Infant mortality rate: infant deaths / 1000 LB / year	6.7	Unicef, 2013				
Under-5 mortality rate: U5 deaths / 1000 LB / year	7.7	Unicef, 2013				
Percentage births in women >35 years						
Life expectancy at birth (yrs)	75.67	Unicef, 2013				
% of marriages consanguineous						

<b>Maternal health</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Prenatal visits – at least 1 visit (%)	98.9	Unicef, 2013				
Prenatal visits – at least 4 visits (%)	–	Unicef, 2013				
Births attended by skilled health personnel (%)	99.6	Unicef, 2013				
Contraception prevalence rate (%)	35.7	Unicef, 2013				
Unmet need for family planning (%)						
Total fertility rate	1.14	Unicef, 2013				
% home births						
% births at health care services	99.70	Unicef, 2013				
<b>Newborn health</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 neonatal examinations by SBA / trained staff						
% neonatal examinations by SBA/ trained staff						

<b>Socio-economic indicators</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Gross national income per capita (PPP int. \$)	9200	Unicef, 2013				
% population living on < US\$1 per day	<2.0	Unicef, 2013				
Birth registration coverage (%)	99.5	WHO 2006				
Death registration coverage (%)						

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

**Bosnia and Herzegovina****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.**

<b>Health Expenditure</b>	<b>Estimate</b>	<b>Source, Year</b>	<b>Your estimate</b>	<b>Source, Year</b>	<b>Chosen estimate</b>	<b>Source, Year</b>
Per capita total expenditure on health (PPP int. \$)	928.8	WHO 2011				
Total expenditure on health as percentage of GDP	10.2	WHO 2011				
Per capita government expenditure on health (PPP int. \$)	632	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	68	WHO 2011				
Out-of-pocket expenditure as percentage of private expenditure on health	98.1	WHO 2011				
Private expenditure on health as percentage of total expenditure on health	32	WHO 2011				
General government expenditure on health as percentage of total government expenditure	16.2	WHO 2011				

<b>Health Workforce</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 nursing and midwifery personnel	18332	WHO, 2005				
Nursing and midwifery personnel density (per 10,000 population)	46.9	WHO, 2005				
Number of physicians	5540	WHO, 2005				
Physician density (per 10 000 population)	14.179	WHO, 2005				
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

**Bosnia and Herzegovina****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