

PHG Needs Assessment Calculator**Panama****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

Panama
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	165327	158464	323791			0			0
5-9 years	169100	161780	330880			0			0
10-14 years	173247	166161	339408			0			0
15-19 years	149938	146052	295990			0			0
20-24 years	141563	139661	281224			0			0
25-29 years	134629	135059	269688			0			0
30-34 years	125910	126630	252540			0			0
35-39 years	121789	122108	243897			0			0
40-44 years	112136	110922	223058			0			0
45-49 years	97807	96943	194750			0			0
50-54 years	79165	79669	158834			0			0
55-59 years	65411	64978	130389			0			0
60-64 years	55244	54579	109823			0			0
65+ years	121005	129984	250989			0			0
Total	0	0	3405813	0	0	0	0	0	0
Female population aged 15-44 years		0			-			-	
Data year	2010 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	21	Unicef, 2007				
Still birth rate (SB): Still births (SB) / year / 1000 total births	10	WHO, 2009				
Total births in 1000s (LB+SB) per year	70	Unicef, 2007				
Infant mortality rate: infant deaths / 1000 LB / year	17	UNICEF				
Under-5 mortality rate: U5 deaths / 1000 LB / year	20	UNICEF (2011), 2010				
Percentage births in women >35 years						
Life expectancy at birth (yrs)	77	WHO, 2009				
% of marriages consanguineous						

Maternal health	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Prenatal visits – at least 1 visit (%)	96	WHO, 2009				
Prenatal visits – at least 4 visits (%)						
Births attended by skilled health personnel (%)	88.5	WHO, 2009				
Contraception prevalence rate (%)						
Unmet need for family planning (%)						
Total fertility rate	2.5	WHO, 2009				
% home births						
% births at health care services						
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						

Socio-economic indicators	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Gross national income per capita (PPP int. \$)	12630	WHO, 2008				
% population living on < US\$1 per day	9.5	WHO, 2006				
Birth registration coverage (%)	>90	WHO, 2008				
Death registration coverage (%)	90-100	WHO, 2008				

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

Panama
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. \$)	1081	WHO, 2009				
Total expenditure on health as percentage of GDP	8.3	WHO, 2009				
Per capita government expenditure on health (PPP int. \$)	774	WHO, 2009				
External sources for health as percentage of total expenditure on health	0	WHO, 2009				
General government expenditure on health as percentage of total expenditure on health	71.6	WHO, 2009				
Out-of-pocket expenditure as percentage of private expenditure on health	84.5	WHO, 2009				
Private expenditure on health as percentage of total expenditure on health	28.4	WHO, 2009				
General government expenditure on health as percentage of total government expenditure	15.2	WHO, 2009				

Health Workforce	Estimate	Source, Year	Your estimate	Source, Year	Chosen estimate	Source, Year
Number of nursing and midwifery personnel	8158	WHO, 2000				
Nursing and midwifery personnel density (per 10,000 population)	27.7	WHO, 2000				
Number of physicians	4431	WHO, 2000				
Physician density (per 10 000 population)	15	WHO, 2000				
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

Panama**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