

**PHG Needs Assessment Calculator****Norway****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     |
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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       |

**Norway****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                              | 155882                | 148046 | 303928  |                |        | 0     |                  |        | 0     |
| 5-9 years                              | 152416                | 146057 | 298473  |                |        | 0     |                  |        | 0     |
| 10-14 years                            | 161955                | 153369 | 315324  |                |        | 0     |                  |        | 0     |
| 15-19 years                            | 165748                | 156284 | 322032  |                |        | 0     |                  |        | 0     |
| 20-24 years                            | 155602                | 149912 | 305514  |                |        | 0     |                  |        | 0     |
| 25-29 years                            | 155740                | 151363 | 307103  |                |        | 0     |                  |        | 0     |
| 30-34 years                            | 162005                | 156153 | 318158  |                |        | 0     |                  |        | 0     |
| 35-39 years                            | 183832                | 175471 | 359303  |                |        | 0     |                  |        | 0     |
| 40-44 years                            | 188180                | 177839 | 366019  |                |        | 0     |                  |        | 0     |
| 45-49 years                            | 171934                | 162742 | 334676  |                |        | 0     |                  |        | 0     |
| 50-54 years                            | 162279                | 156320 | 318599  |                |        | 0     |                  |        | 0     |
| 55-59 years                            | 149665                | 145550 | 295215  |                |        | 0     |                  |        | 0     |
| 60-64 years                            | 146836                | 144346 | 291182  |                |        | 0     |                  |        | 0     |
| 65+ years                              | 314678                | 407995 | 722673  |                |        | 0     |                  |        | 0     |
| Total                                  | 0                     | 0      | 4858199 | 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 |
|--------------|--------|--------------|
|              |        |              |
|              |        |              |
|              |        |              |
|              |        |              |

| <b>Fertility and mortality</b>                                      | <b>Estimate</b> | <b>Source, Year</b> | <b>Your estimate</b> | <b>Source, Year</b> | <b>Chosen estimate</b> | <b>Source, Year</b> |
|---|-----------------|---------------------|----------------------|---------------------|------------------------|---------------------|
| Crude birth rate: live births (LB) / year / 1000 population         | 12              | Unicef, 2007        |                      |                     |                        |                     |
| Still birth rate (SB): Still births (SB) / year / 1000 total births | 2               | WHO, 2009           |                      |                     |                        |                     |
| Total births in 1000s (LB+SB) per year                              | 56              | Unicef, 2007        |                      |                     |                        |                     |
| Infant mortality rate: infant deaths / 1000 LB / year               | 3               | UNICEF              |                      |                     |                        |                     |
| Under-5 mortality rate: U5 deaths / 1000 LB / year                  | 3               | (2011), 2010        |                      |                     |                        |                     |
| Percentage births in women >35 years                                |                 | (2011), 2010        |                      |                     |                        |                     |
| Life expectancy at birth (yrs)                                      | 81              | WHO, 2009           |                      |                     |                        |                     |
| % 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 (%)                 |                 |                     |                      |                     |                        |                     |
| Prenatal visits – at least 4 visits (%)                |                 |                     |                      |                     |                        |                     |
| Births attended by skilled health personnel (%)        |                 |                     |                      |                     |                        |                     |
| Contraception prevalence rate (%)                      | 88.4            | WHO, 2005           |                      |                     |                        |                     |
| Unmet need for family planning (%)                     |                 |                     |                      |                     |                        |                     |
| Total fertility rate                                   | 1.9             | WHO, 2009           |                      |                     |                        |                     |
| % home births  |                 |                     |                      |                     |                        |                     |
| % births at health care services                       |                 |                     |                      |                     |                        |                     |
| <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. \$) | 59250           | WHO, 2008           |                      |                     |                        |                     |
| % population living on < US\$1 per day         |                 |                     |                      |                     |                        |                     |
| Birth registration coverage (%)                | >90             | WHO, 2008           |                      |                     |                        |                     |
| Death registration coverage (%)                | 90-100          | WHO, 2009           |                      |                     |                        |                     |

LB = live births

PPP = purchasing power parity

SBA = skilled birth attendant

**Norway**  
**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. \$)                                   | 5395            | WHO, 2009           |                      |                     |                        |                     |
| Total expenditure on health as percentage of GDP                                       | 9.7             | WHO, 2009           |                      |                     |                        |                     |
| Per capita government expenditure on health (PPP int. \$)                              | 4237            | 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  | 78.6            | WHO, 2009           |                      |                     |                        |                     |
| Out-of-pocket expenditure as percentage of private expenditure on health               | 98.8            | WHO, 2009           |                      |                     |                        |                     |
| Private expenditure on health as percentage of total expenditure on health             | 15.6            | WHO, 2009           |                      |                     |                        |                     |
| General government expenditure on health as percentage of total government expenditure | 16.7            | WHO, 2009           |                      |                     |                        |                     |

| <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                       | 69176           | WHO, 2008           |                      |                     |                        |                     |
| Nursing and midwifery personnel density (per 10,000 population) | 147.6           | WHO, 2008           |                      |                     |                        |                     |
| Number of physicians  | 19104           | WHO, 2008           |                      |                     |                        |                     |
| Physician density (per 10 000 population)                       | 40.76           | WHO, 2008           |                      |                     |                        |                     |
| 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,<br/>Year</b> | <b>Your<br/>estimate</b> | <b>Source,<br/>Year</b> | <b>Chosen<br/>estimate</b> | <b>Source,<br/>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

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

| Conditions                                  | Global prevalence<br>per 1000 LB | Country prevalence<br>per 1000 LB | Country number of<br>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