The indicators, level of aggregation and data source. Also include the facilities inclusion criteria

**Table 1: Indicators, Level of Aggregation and Data Source Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DATA | **Key Indicators/Variables**  | **Date**  | **Level of Aggregation**  | **Source**  |
| **Public health care facility routine data from DHIS**  | Annual HIV positivity among adults 15-49 years clients tested at health facilities  | 2015/16 financial year  | Clinic  | DHIS  |
| **Administrative boundaries**  | +Catchment areas  | 2011  | Province, district, municipality  | StatSSA, 2011 census/population data |
| **Gridded population**  | South Africa gridded population  | 2015  | 100 X100 m grid cell | <https://www.worldpop.org> (World gridded population data) |
| **Mid-year population estimates**  | Population age structure (15-49 years old ) | 2015 | National, Province | StatSSA. Mid-year population estimates, 2015  |
| **Master facility list**  | Latitude, longitude of health facilities  | 2014  | Clinic  | DHIS  |
| \*Collected from monthly facilities data collection forms (Appendix A and B), which are then entered in the electronic DHIS database.+ Catchment Areas- boundary files from 2011 census. Results can be aggregated to any decision making geographical boundary level (i.e. districts, municipalities). |

HIV prevalence amongst client tested 15-49 years rate

 **Table: Inclusion and Exclusion Criteria for health facilities**

|  |  |  |
| --- | --- | --- |
| **Inclusions**  | Public health facilities, DHIS reporting on clients 15-49 years tested for HIV for reporting financial year 2015/2016  | **887** |
| **Exclusions**  | Health facilities with missing/ not reported HIV positivity rates amongst clients 15-49 years | 23 |
| **Total facilities included for analysis**  | **865** |



Figure Population Density of adults 15-49 years at 100m resolution