United Nations Statistics Division: Demographic Yearbook Questionnaire on Population Estimates Part 2: Metadata

Reporting country: South Africa Reporting year: 20

1. Coverage of data

In order to clarify the exact composition of the population for which estimates were given in this questionnaire, please indicate below the disposition of each group listed. Please also specify the years to which description refers to.

Deputation arrays	Estimated total population for the following years 2002-2019			
Population group	Included	Excluded		
	mciaaea	LXCIUUEU	applicable	
(a) Nomads			\boxtimes	
(b) Persons living in remote areas	\boxtimes			
(c) Military, naval and diplomatic personnel and their families located outside the country				
(d) Merchant seamen and fishermen resident in the country but at sea at the time of the census (including those who have no place of residence other than their quarters aboard ship)				
(e) Civilian residents temporarily in another country as seasonal workers				
(f) Civilian residents who cross a frontier daily to work in another country				
(g) Civilian residents other than those in (c), (e), and (f) working in another country				
(h) Civilian residents other than those in (c)-(g), temporarily absent from the country				
(i) Foreign military, naval and diplomatic personnel and their families located in the country				
(j) Civilian aliens temporarily in the country as seasonal workers				
(k) Civilian aliens who cross a frontier daily to work in another country				
(I) Civilian aliens other than those in (i), (j), and(k) working in another country				
(m) Civilian aliens other than those in (i)-(l), temporarily in country				
(n) Transients on ships in harbour at the time of the census				

2. Method of estimation

2.1 Total population

2.1.1 Base Data

Estimates of total population for a country as a whole may be constructed by a variety of means. Please indicate by a check mark the method used in constructing the latest population estimate for 2019 (date) indicating the source of "base data" and the "method of time adjustment".

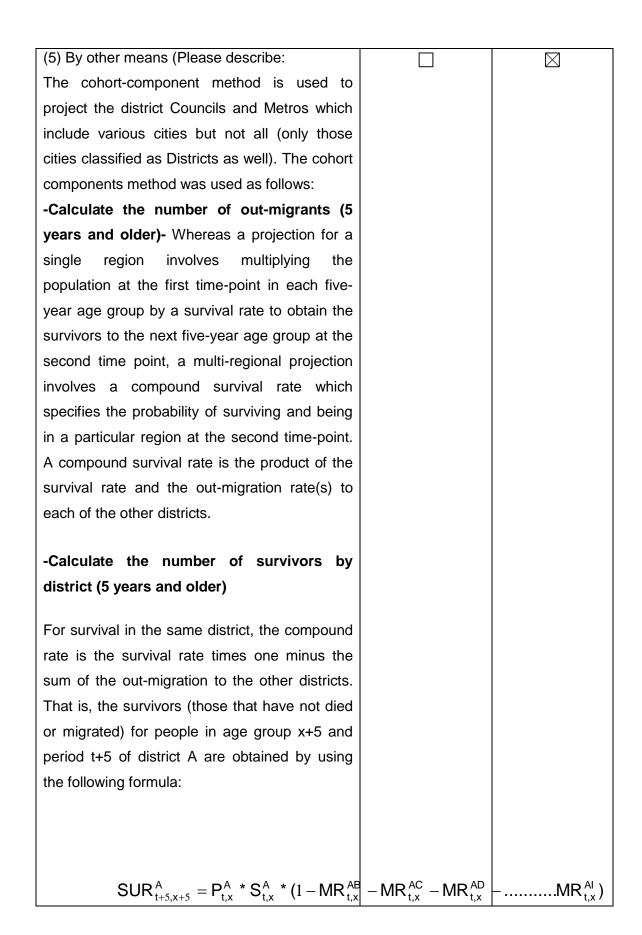
(1) Continuous population register				
(2) Complete census taken (date) i) population actually enumerated ii) population adjusted to take account of wunderenumeration				
(3) Sample survey taken (date)				
(Please describe: The base population (1985) for South Africa is difficult to ascertain, given SAs tumultuous past of failing to counting all people in SA. Though census counts were done as early as 1970, there was a vast undercount of the black population due to SA's tumultuous past of failing to counting all people in SA (Pass laws and segregation). Though census counts were done as early as 1970, there was a vast undercount of the black population. In 1980 a census of SA (white, col, Indian, African) and Bophutswawana (African) was done, here too was an underestimation of the black population. 1991 census was a similar experience, as the Urban population (predominantly white) was counted separate to that of the TBVC (Transvaal, Bophutswana, Vaal, Ciskei) who were tasked with sending their own counts to the national govt. In 1980 a census of SA (White, Coloured, Indian, African) and Bophutswawana (African) was done, here too was an underestimation of the black population, and various adjustments are made to compensate for this)				
(5) Non-censal count of (date)				
(Please describe method:				
(6) Conjectural estimate derived by means other than counting				
(Please describe method:				
2.1.2 Method of time adjustment				
(1) Base data secured annually through population register				

$\hfill\square$ (2) Applying statistics of births and deaths (natural increase), and migration				
☐ (i) Registered vital statistics☐ (ii) Vital statistics adjusted for incompleteness				
$\hfill \square$ (3) Applying statistics of births and deaths (natural increase), but no account taken of migration				
☐ (i) Registered vital statistics☐ (ii) Vital statistics adjusted for incompleteness				
(date 1), (date 2) and (date 3). Please give formula:				
(5) Applying an assumed rate of increase, not derived by mathematical extrapolation or interpolation but based on: Census data, Vital registration data adjusted for completeness				
 ☐ (i) Assumption with respect to mortality, fertility, migration ☐ (ii) Assumption with respect to mortality, fertility, but no account taken of migration ☐ (iii) Other assumed rate 				
Please provide the rate used, and describe how it was obtained:				
(6) No time adjustment (base figure held constant)				
(7) Other (Please explain:				
2.2 Population by age and sex				
Estimates of population according to age and sex are assumed to be constructed or the same base data as are the total estimates. However, certain additional factors may affect age distributions estimated from census enumerations or from sample surveys Please indicate below the adjustment(s) made in the basic age distribution used to construct estimates shown in Tables 2 and 4.				
2.2.1 Adjustments in base				
(1) No adjustments – the calculations are based on population actually enumerated at various ages or estimated from survey results.				
(2) Enumerated population or population estimated from survey results adjusted to take account of under enumeration at various ages.				

2.2.2 Method of time adjustment

Distribution of estimated population according to age and sex may also be made by same methods as used to obtain the projection of the total figure, or it may be derived by distributing the estimate according to the percentage of population in each age-sex group at time of census.

Please indicate below the method used in constatest estimate shown in Table 2.	structing the age-sex	distribution of the		
 	ase alone o percentage of popul	ation in each age-		
2.2.3 Disposition of unknown age				
If frequency in unknown age category of tables 2 and 4 is zero, please indicate below whether, in the preparation of the estimates:				
(1) An age has been assigned to persons for whom age did not appear in the census or sample survey.				
(2) Frequency in unknown age category has been distributed proportionately among known ages.				
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $				
2.3 Urban and rural population, and the population of cities				
Please indicate below the method used in making post-censal estimates of urban and rural, and of city population.				
	Urban/rural population	City population		
(1) Continuous population registers				
(2) Surveys, other than a census				
(3) Extrapolation of percentage				
(4) Observed rate of growth, assumed to continue				



-Calculate the number of in-migrants (5 years and older)

The number of in-migrants to district A is obtained by adding the out-migrants from the other districts to district A.

-Projected population (5 years and older)

The projected provincial population of A in each age group aged 5 years and older is simply the sum of the survivors in district A and the number of in-migrants to district A, namely:

$$P_{t+5,x+5}^{A} = SUR_{t+5,x+5}^{A} + IN_{t+5,x+5}^{A}$$

-Calculate the number of births and survivors aged 0–4 years

Annual births are estimated by applying the age-specific birth rates assumed for each district to the number of women in each of the reproductive age groups. This step is done separately for the present and the date 5 year previous.

This projection process can be repeated for further time intervals and the assumed levels of mortality, fertility and migration can be altered for each projection period, if desired.

Cohort Component Method)

3. Bibliography of Demographic Statistics

Please list publications that contain results of your latest population census or survey, and current statistics on population estimates:

- StatsSA (2015) Report-03-01-63 Census 2011: Fertility in South Africa. StatsSA. December 2015
- StatsSA (2015). Report-03-01-79 Census 2011: Migration Dynamics in South Africa StatsSA.
 December 2015
- StatsSA (2015) Report-03-01-67 Census 2011: Population Dynamics in South Africa. StatsSA. December 2015
- StatsSA (2015) Report-03-01-62 Census 2011: Estimation of Mortality in South Africa. StatsSA.
 December 2015
- StatSA (2016) Community Survey 2016. StatsSA. PO301.
- StatsSA (2019) Report P0302 Mid-year estimates, 2019. StatsSa.