

1. Population Growth

2 factors that affect population:

population growth rate (%) = change in population/total population X 100

1. Natural Growth rate:

Natural growth rate = birthrate - death rate

Birth rate = number of births per thousand of the population per year.

Death rate = number of deaths per thousand of the population per year.

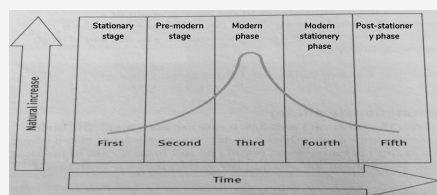
1.1. The fertility rate average number of children born to each woman of child bearing age (15 - 49)

In south Africa, The fertility rate dropped because a) people started moving from urban areas to cities - less kids - and b) HIV results in the death of many women of child bearing age.

1.2. Life Expectancy average number of years a person is expected to live in a country.

The more developed the country, the higher the life expectancy will be. This is because developed country has better medical facilities, improved nutrition etc.

The Demographic Cycle



Population Size (continued)

2. The Demographic Cycle

This shows the various stages in the development of a population. It takes approx 250 years to complete the cycle.

2.1. Stationary Phase Birth Rate and Death Rate are high. Birth rate is high because economic growth and social change hasn't happened. The death rate is high because there do not have access to health care and health services.

2.2. Pre - Modern Phase Birth rates high but death rate lower. Death rate is lower because healthcare has improved and there are better living conditions. The birth rate will increase rapidly since contraceptives aren't a thing yet.

2.3. Modern Phase Sharp increase in living standards. Birth rates decrease cause contraceptives are a thing. Death rate continues to lower and people are living longer.

The population will reach a peak during this time as the birth rate should decline at a slower rate than the death rate. This is a transitional phase in the Demographic Cycle.

Population Size (continued) (cont)

2.4. Modern Stationary phase The birth rate decreases faster than death rate. There is a high life expectancy, small families, and people are generally older. Modern middle class families are typical here.

2.5. Post Stationary Phase Natural growth rate is low - Both low. Life expectancy is high, Developed countries are here. (virtually no population growth and a high LE). Most of the population is older.

Projected Growth rates

This is the change a country's population is expected to undergo.

factors which can affect this is: **Natural growth rate, Life expectancy, Fertility trends, migration**

E.g. Life expectancy dropped heavily with the emergence of HIV or Migration could change due to a heavy influx of refugees.

Migration

Net Migration = immigration - emigration

Emigration Leaving

Immigration Coming

1. International Migration moving from country to country

2. Internal migration Movement within a country. E.g. moving from rural areas to urban areas for better jobs. This is called Urbanisation.