

Population Growth...

- A population is a group of organisms of one species that interbreed and live in the same place at the same time (e.g. deer population).
- **Organism** → a living thing
- **Species** → level of classification
- The term "**population growth**" refers to how the number of individuals in a population increases (or decreases) with time.
- If a population has a constant birth rate through time and is never limited by food or disease, it has what is known as **exponential growth**.

EXAMPLE of Exponential Growth



Fluctuations of Human Populations...

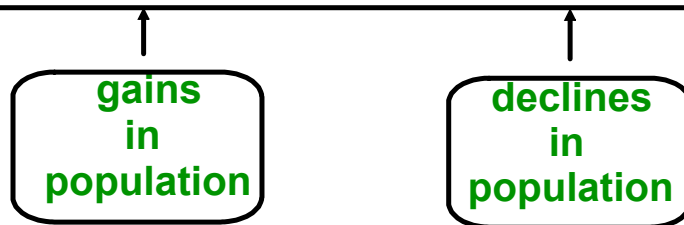
- LOCALLY
- REGIONALLY
- GLOBALLY

Changing Population Sizes

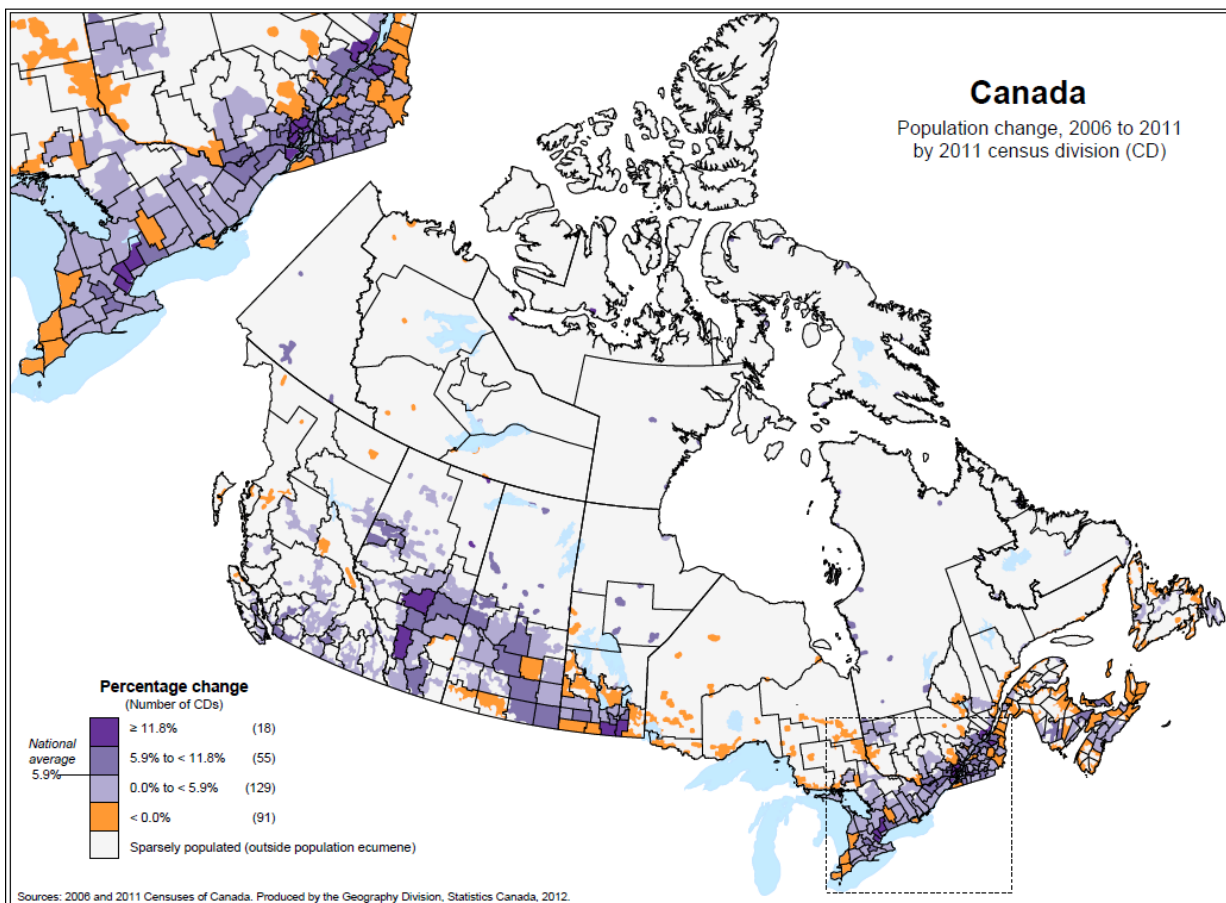
Four variables affect changes in population sizes...

1. births
 2. deaths
 3. **immigration** - act of entering a nation
 4. **emigration** - act of leaving a nation
- [A person emigrates **from** Germany and then immigrates **to** Canada.]

$$\text{population change rate} = (\text{births} + \text{immigration}) - (\text{deaths and emigration})$$



The term "**population growth**" refers to how the number of individuals in a population increases (or decreases) with time.



Let's look at some STATS...

Population and demography



Births and deaths

Live births, stillbirths, fertility rates, pregnancies, abortions, deaths, causes of death, deaths in hospitals, mortality rates, and life

Expectancies.

The Canadian Population in 2011: Age and Sex

[Full article in PDF](#)

[Share this page](#)

Table of contents

- [Highlights](#)
- [Part 1: National portrait](#)
- [Part 2: Provinces and territories](#)
- [Part 3: Portrait of metropolitan and non-metropolitan Canada](#)
- [Part 4: Portrait of municipalities \(census subdivisions\)](#)
- [Additional information](#)