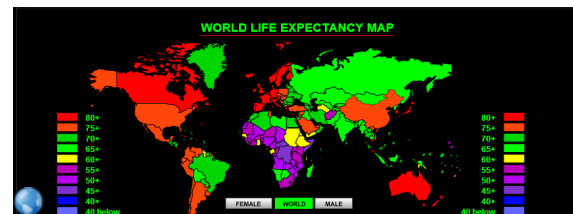
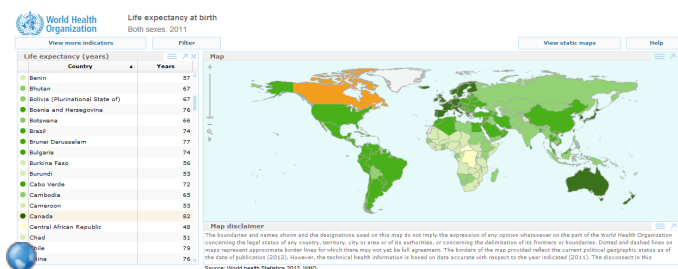


# Declining Death Rates

- Access to food, cleaner water, better medicine, safe sewage disposal have contributed to people living longer
- Global life expectancy has increased to 70 years
- In developed countries, it is upwards of 80 years



# Women and Fertility

---

- Increased education and economic independence has contributed to birth decline
- Countries that want to reduce their birth rate typically put incentives in place to increase education of women

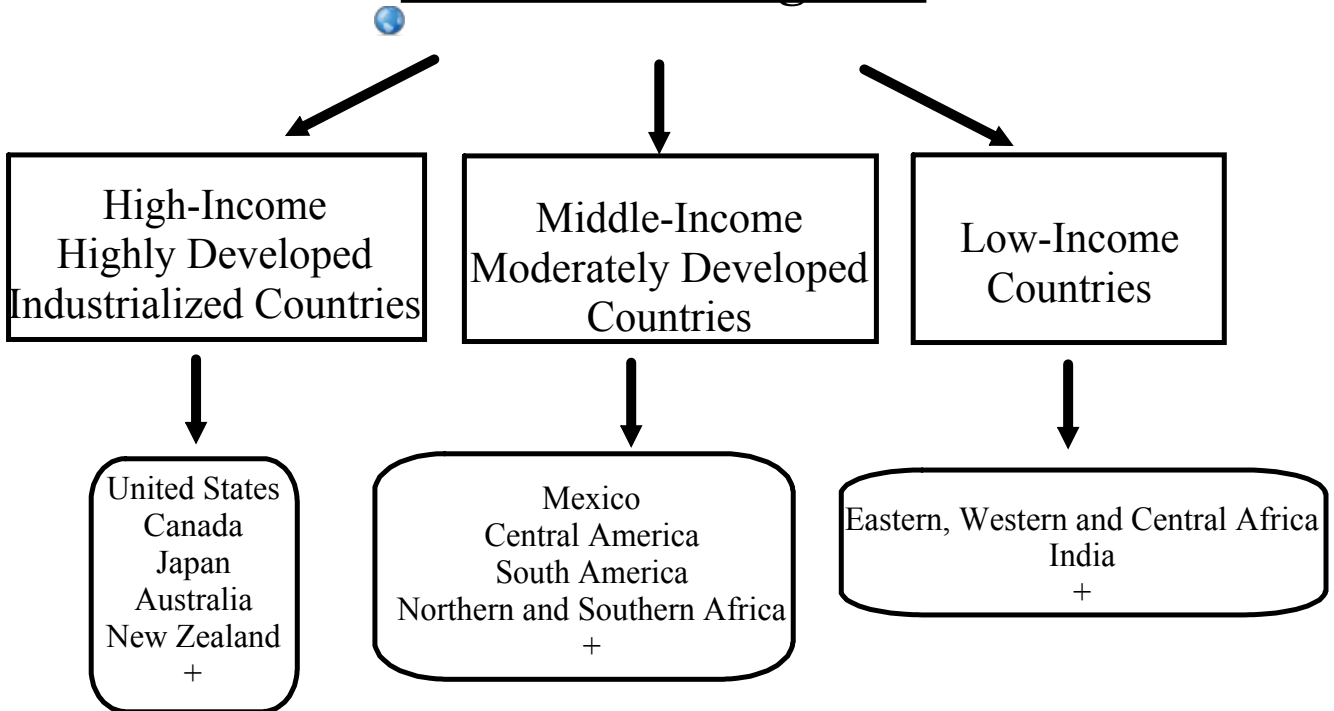
# Women and Fertility

---

- Increased education and economic independence has contributed to birth decline
- Countries that want to reduce their birth rate typically put incentives in place to increase education of women

- The World Bank divides the countries of the world into three main economic categories according to gross national income (GNI) per capita (per person).

### Economic Categories



**GNI per capita** is the dollar value of a country's final income in a year, divided by its population. It reflects the **average income of a country's citizens**.

**Highly Developed Countries**  
\* 20% of world's population  
\* 80% of world's wealth

**Developing Countries**  
80% of world's population  
20% of world's wealth

$$\text{Environmental Impact} \propto \frac{\text{Population Size} \times \text{Affluence of Lifestyle}}{\text{Stewardship}}$$

proportional to

## Social Modernization

---

- **Social modernization** is a process of sustainable development that leads developing countries through demographic transitions.
- A **demographic transition** is a process of changing a population from a condition of high birthrate and a high death rate to a condition of low birthrate and low death rate.
  1. education - especially improving literacy and educating girls and women equally with boys and men
  2. improving health - especially lowering infant mortality
  3. making family planning accessible
  4. enhancing income through employment opportunities
  5. improving resource management

## **Effects of Increasing Affluence**

---

- provision of safe drinking water, sanitary sewage systems and sewage treatment, collection and disposal of refuse
- conservation and management of resources
- better agricultural practices
- pollution control
- emissions of carbon dioxide, chlorofluorocarbons (CFC's), hazardous chemicals, production of nuclear waste
- exploitation or over-exploitation of resources
- oil spills
- endangered species

## Factors Influencing Family Size

---

1. security in one's old age
2. infant and childhood mortality
3. helping hands
4. importance of education
5. status of women
6. availability of contraceptives

Lab Day Tomorrow to work on Research Papers





<https://www.youtube.com/watch?v=XKngj3YFXU8>  
6 min



### Charles Darwin

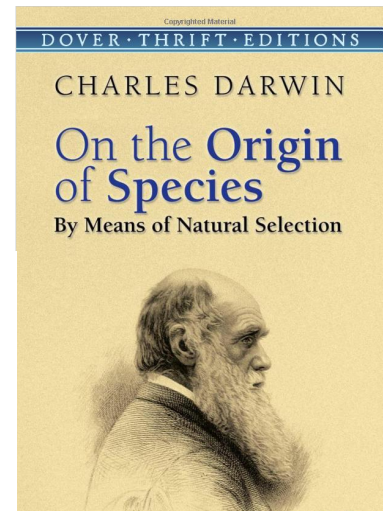
Charles Robert Darwin, FRS was an English naturalist. He established that all species of life have descended over time from common ancestors, and proposed the scientific theory that this branching ... Wikipedia

**Born:** February 12, 1809, [Shrewsbury](#)  
**Died:** April 19, 1882, [Down House](#)  
**Awards:** Copley Medal, Royal Medal, Wollaston Medal  
**Education:** [University of Cambridge](#), [University of Edinburgh](#), [More](#)  
**Children:** [Anne Darwin](#), [George Darwin](#), [Francis Darwin](#), [More](#)



[Case Study - Darwin's Voyage.pdf](#)

<https://www.youtube.com/watch?v=A0VnuhHq5m0>  
2 hours 23 minutes



## Attachments

---

Case Study - Darwin's Voyage.pdf