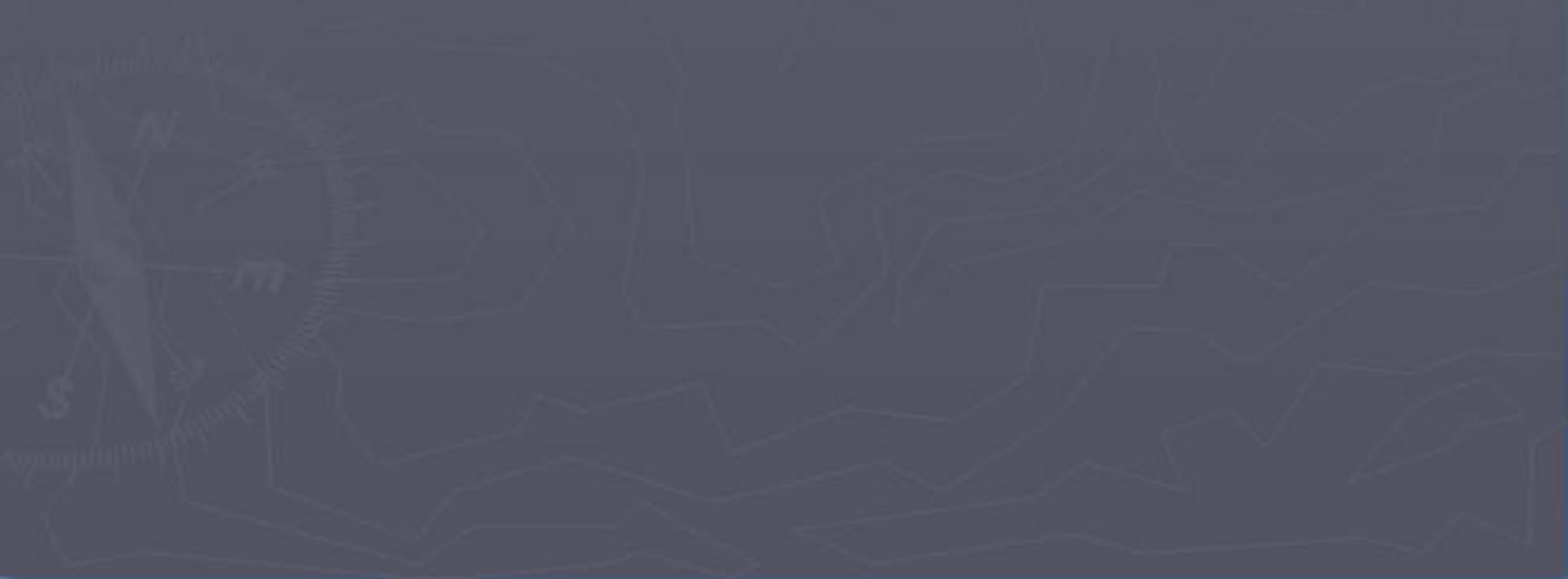


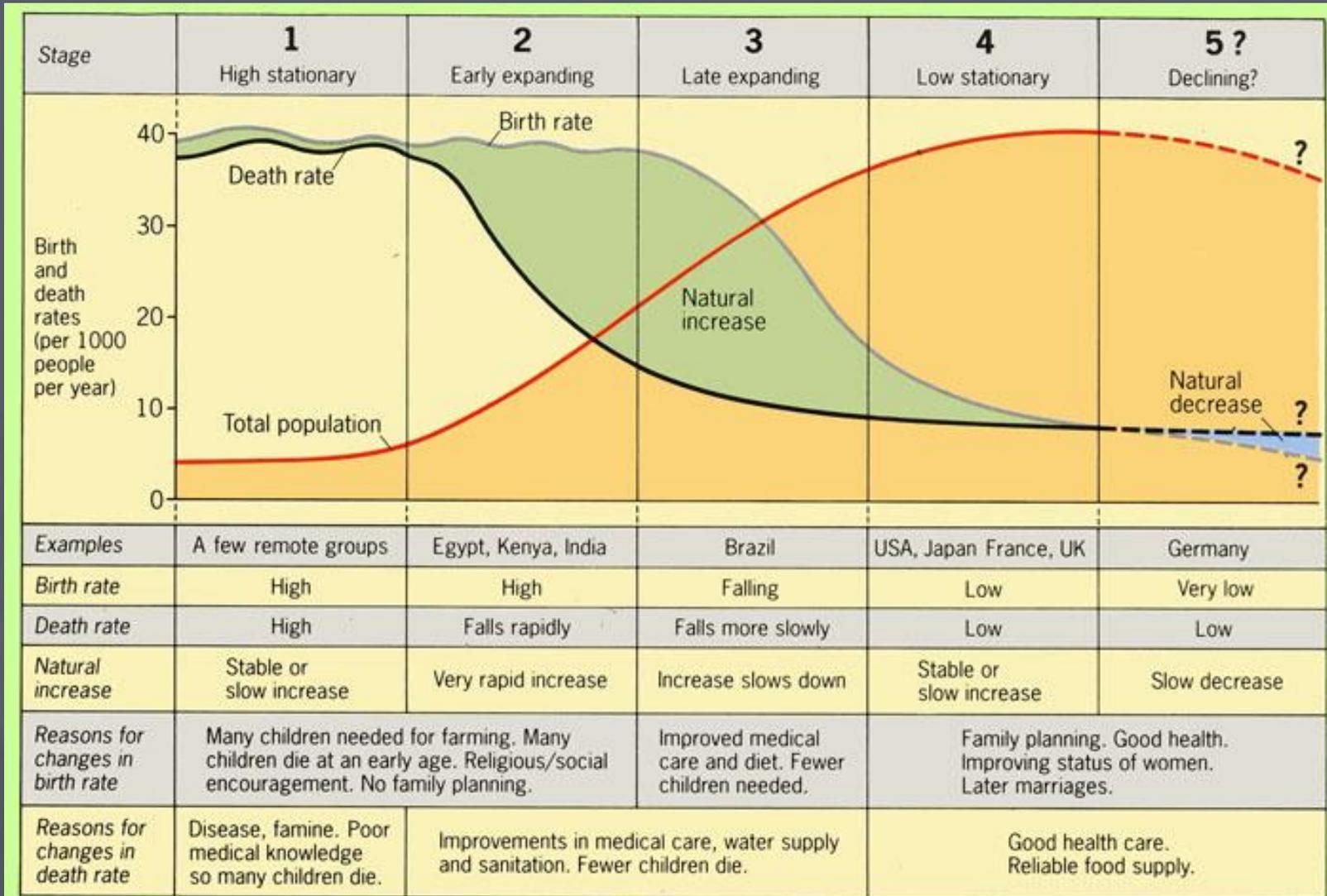
The Demographic Transitions Model



Understanding Significant Factors

- Crude Birth Rate – The CBR is determined by taking the number of births in one year in a country, dividing it by the country's population, and multiplying the number by 1000
- Crude Death Rate - The CDR is determined by taking the number of deaths in one year, divided by the population and that figure is multiplied by 1000
- Natural Increase Rate – Factored using a country's CDR-CBR. Displayed as a percentage

The Demographic Transition Model



Stage 1: Low Growth/High Stationary

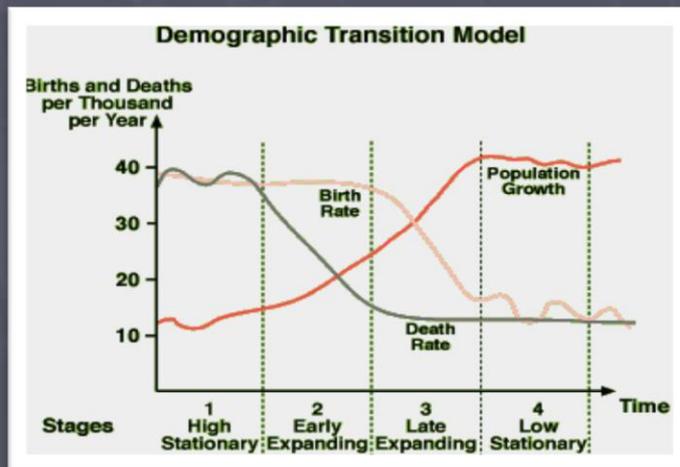
- CBR and CDR are both very high so NIR is almost 0
 - CBR and CDR widely change from year to year
 - Primarily seen in hunter-gatherer societies
 - No countries located here today

Birth Rate is high as a result of:

- Lack of family planning
- High Infant Mortality Rate: putting babies in the 'bank'
- Need for workers in agriculture
- Religious beliefs
- Children as economic assets

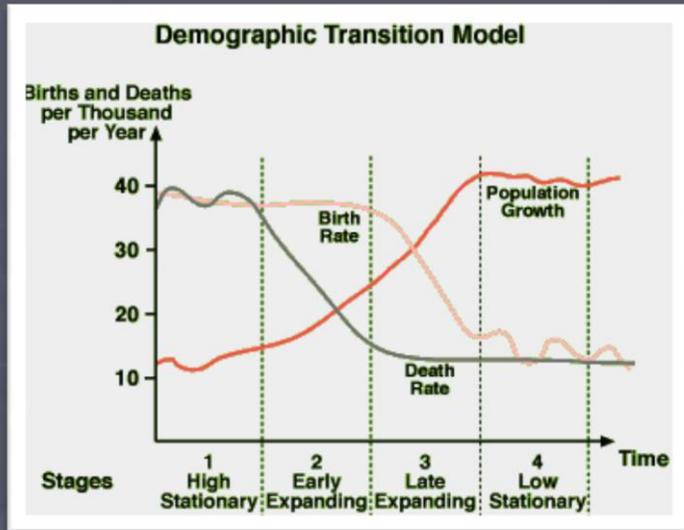
Death Rate is high because of:

- High levels of disease
- Famine
- Lack of clean water and sanitation
- Lack of health care
- War
- Competition for food from predators such as rats
- Lack of education



Stage 2: High Growth

- CDR plummets while CBR stays the same, so NIR increases rapidly

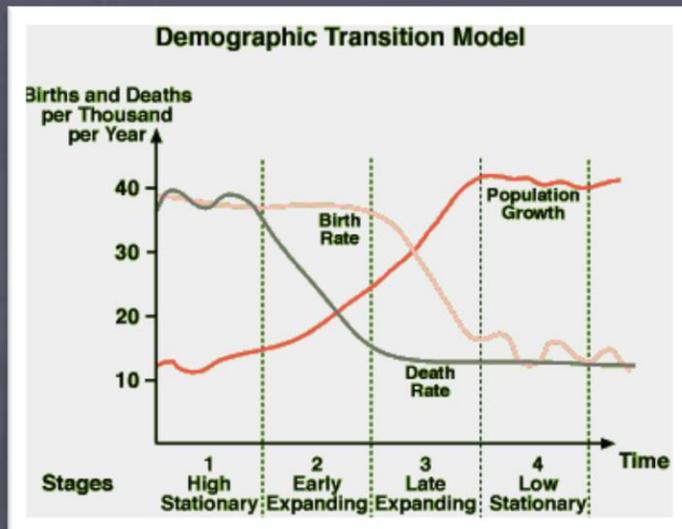


Death Rate is falling as a result of:

- Improved health care (e.g. Smallpox Vaccine)
- Improved Hygiene (Water for drinking boiled)
- Improved sanitation
- Improved food production and storage
- Improved transport for food
- Decreased Infant Mortality Rates

Stage 3: Moderate Growth/Late Expanding

- CBR starts to decline while CDR continues to stay low
 - Allows for only slower growth

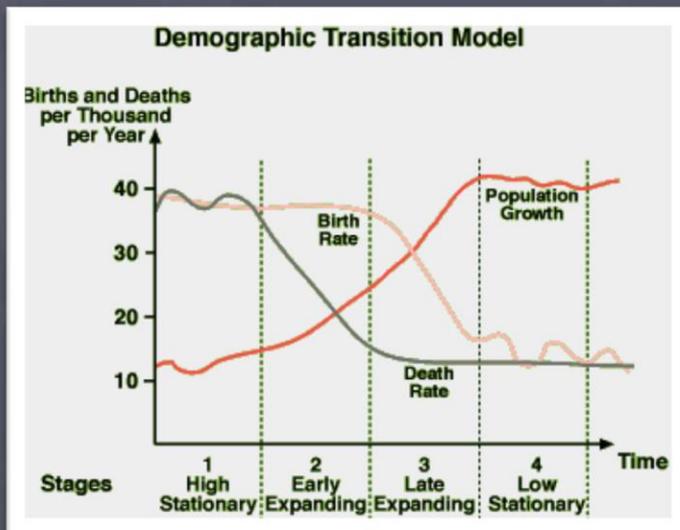


Reasons:

- Family planning available
- Lower Infant Mortality Rate
- Increased mechanization reduces need for workers
- Increased standard of living
- Changing status of women

Stage 4: Low Growth

- A country reaches this point when the CBR and CDR are almost equal leading to an NIR of almost 0
 - Zero Population Growth – ZPG means no growth



Reasons for Change:

- Women in workforce instead of home
- Availability of Birth Control
- Changes in leisure activity not suitable for couples with children (bars, travel)
- Higher education levels
- Pessimism about future