CHAPTER 6: HUMAN POPULATIONS

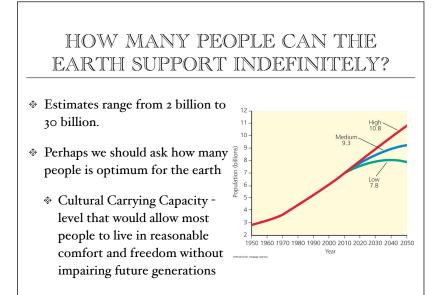
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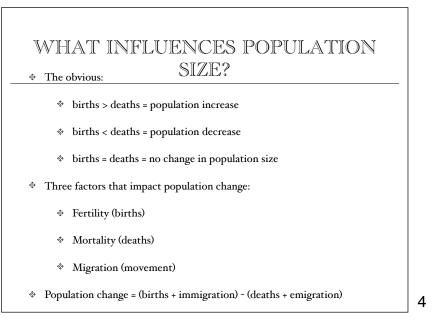


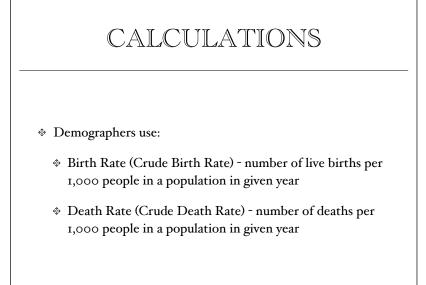
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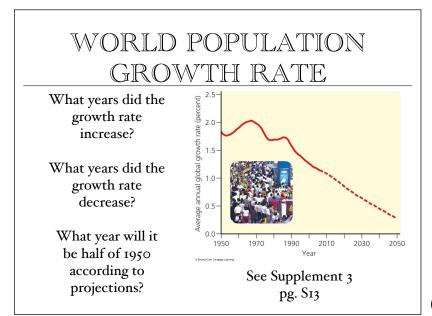
WHY DOES HUMAN POPULATION INCREASE SO RAPIDLY?

- Humans developed the ability to expand into climate and habitat zones they are not adapted for.
- Modern agriculture allowed more people to be fed.
- Development of sanitation systems and medical advancements (antibiotics and vaccines) that control infectious disease.



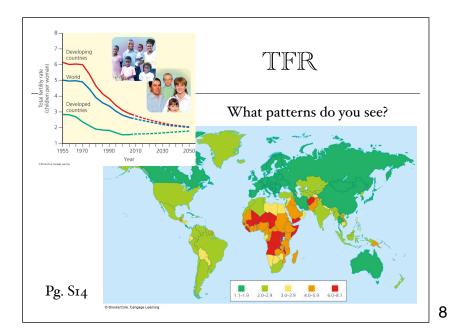


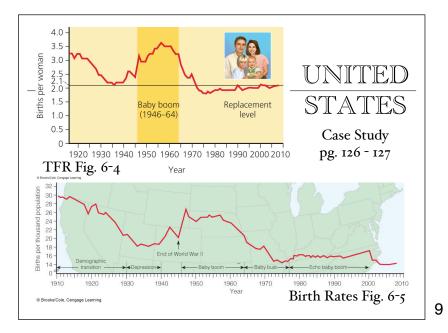




FERTILITY RATE

- Fertility rate number of children born to a woman during her lifetime
 - Replacement-level fertility rate average number couples must produce to replace themselves (Usually it is around 2.1, but as high as 2.5 in some developing countries. Why?)
 - Total Fertility Rate (TFR) average number of children born to women in a population during their reproductive years



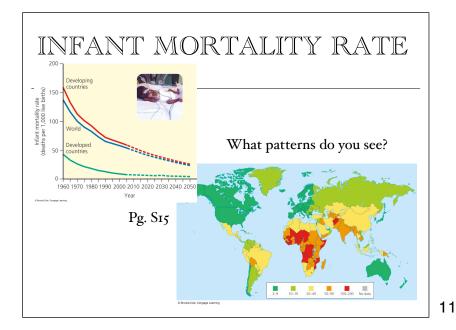


FACTORS THAT AFFECT BIRTH RATE

- Children in the labor force
- Cost of raising and educating children
- Availability of private a public pension systems
- Urbanization
- Educational and employment opportunities available for women

- ♦ Average age at marriage
- Availability of legal abortions
- Availability of reliable birth control
- Religious beliefs, traditions, and cultural norms
- Infant Mortality Rate the number of children per 1,000 live births who die before one year of age

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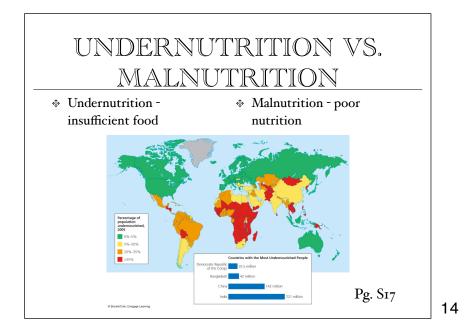
FACTORS THAT AFFECT DEATH RATE

- Food supplies
- Better nutrition
- Medical advances
- Sanitation
- Water safety
- Life expectancy the average number of years a newborn infant can expect to live

DOUBLING TIME

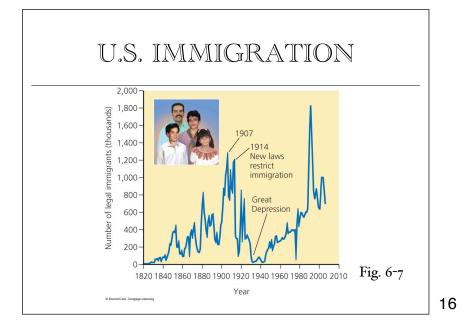
- The amount of time it take for a population's size to double
- Can be estimated by using the "rule of 70"
 - doubling time = 70/(percent growth rate)

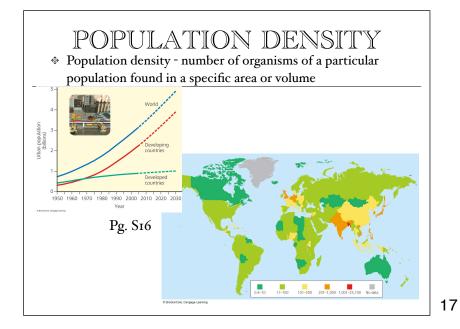
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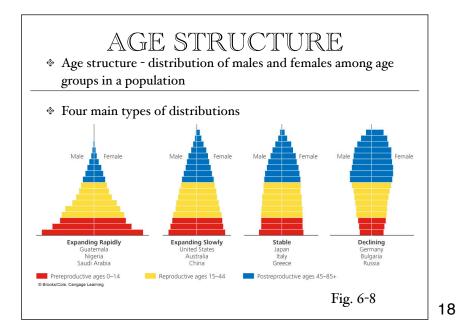


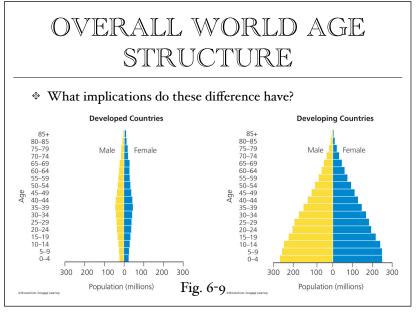
HEALTH CARE

- U.S. spends more on heath care per person than any other country
- People in 41 other countries (ex. Canada, Japan, many European countries) have higher life expectancies than people in the U.S.
- Why is this?
 - Universal heath care
 - ♦ U.S. has a high adult obesity rate

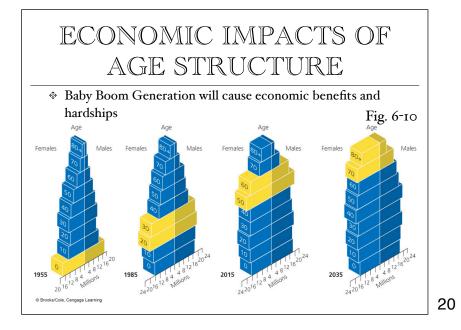


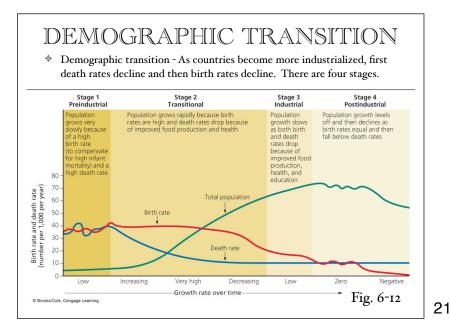












FAMILY PLANNING

- Women's Health Care and Birth Control major components
- According to UN, family planning is responsible for a 55% drop in TFR in developing countries.
- Other ways to reduce the TFR include reducing poverty, and elevating the social and economic status of women.

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CHINA: ONE-CHILD POLICY

- Reduced TFR from 5.7 to 1.6 (compare to 2.1 in United States)
- Based on necessity because of food shortages
- Skewed gender ratio (human rights issues associated with this)

