

Health and Aging

Population Pyramids, Dependency Ratio, Infant Mortality, and Elderly Support Ratio





Objectives

Analyze the impact of the demographic transition on the percentage of young and old

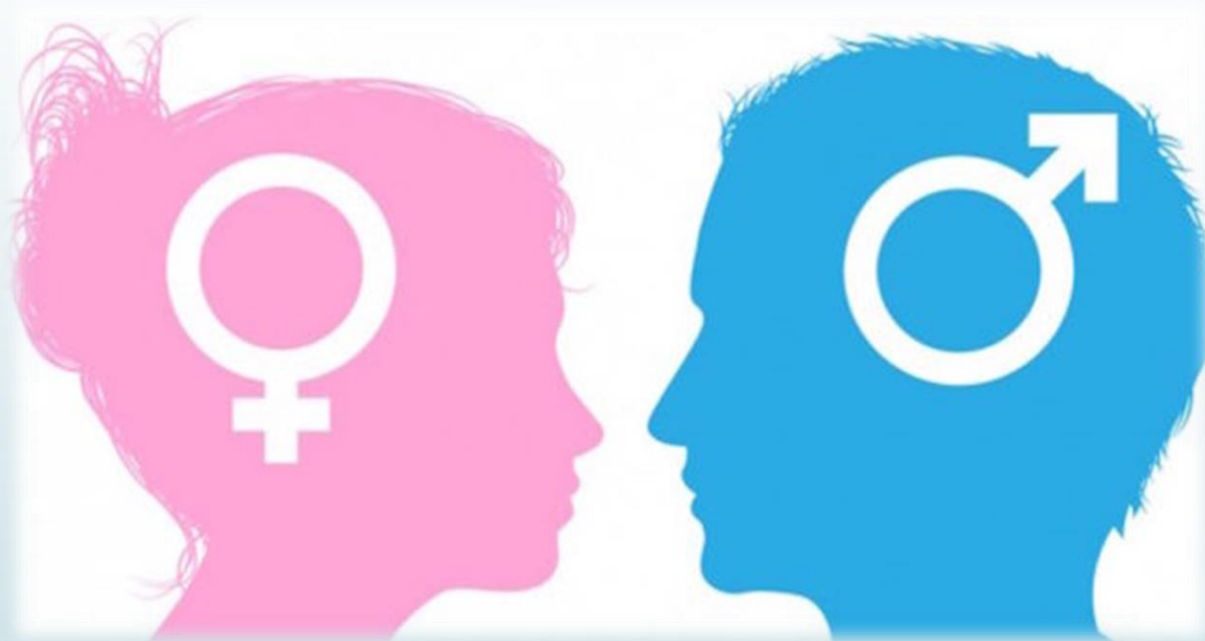
Population Composition

The number of men and women and their ages

Age, sex, marital status, education

Age and sex are key indicators in population composition

Population pyramids are used to represent visually



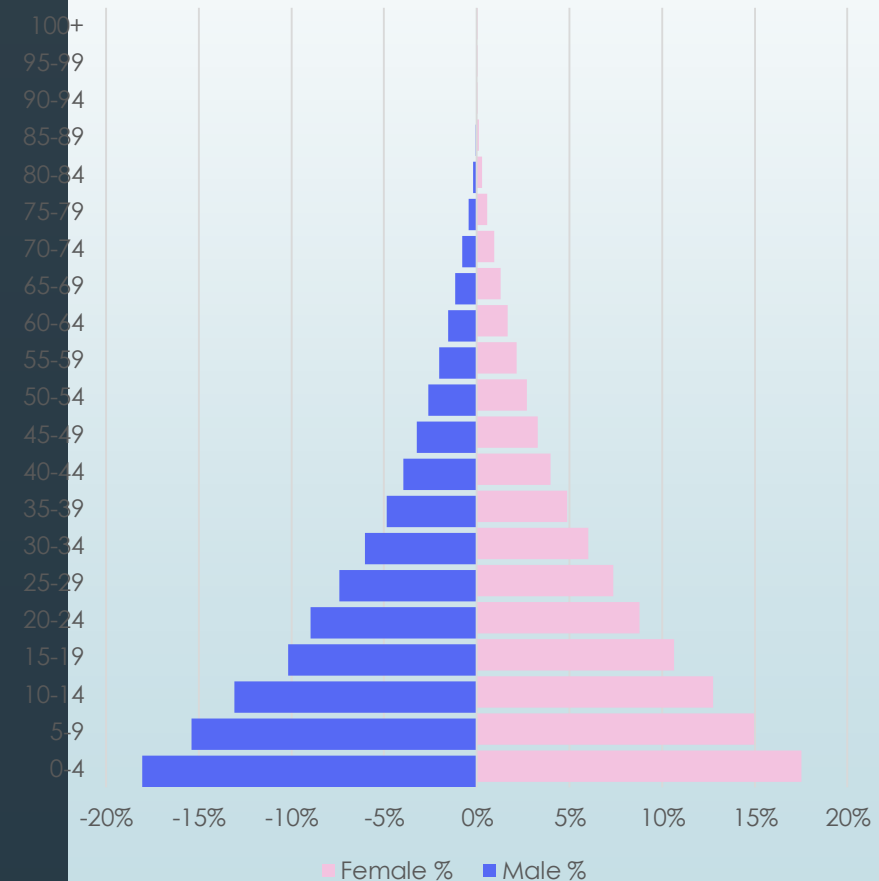
Population Pyramids

- ▶ Bar Graph
- ▶ Displays the percentage of a place's population for each age and gender
- ▶ 5 year groups
- ▶ Length of the bars represent the % of the total population contained in that group

Population Pyramids and Demographic Transition Model

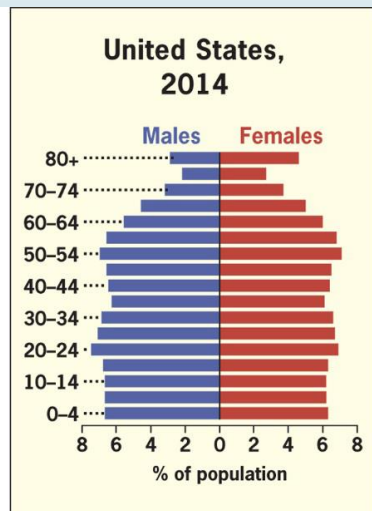
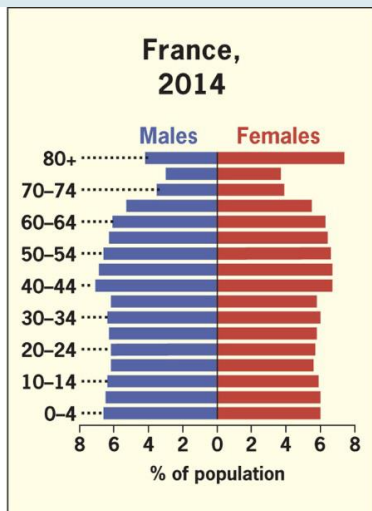
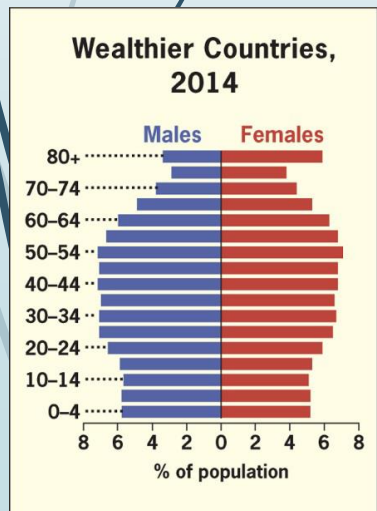
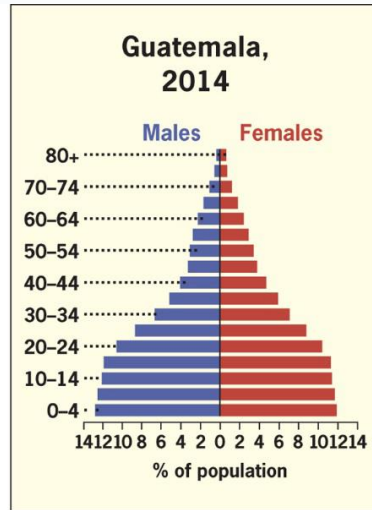
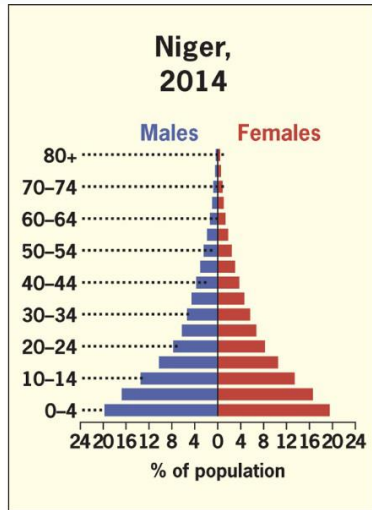
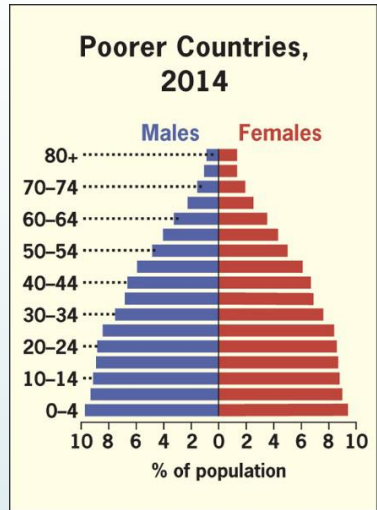
- Stage- 2 of DTM Broader Base than a country in Stage 4
- Broader base =High % of young people
- Extension to left or right indicates more/less of one gender in the population

Democratic Republic of Congo Pop Pyramid Chart



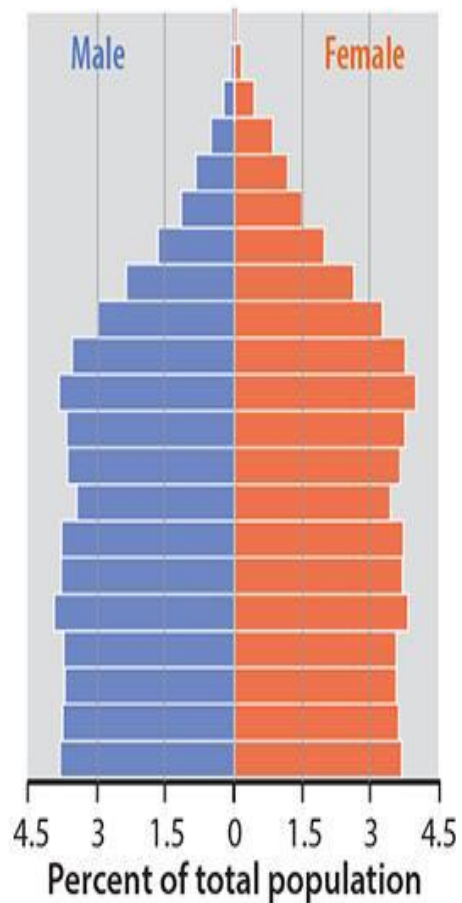
Population Pyramids

Countries with high total fertility rates, high infant mortality rates and low life expectancies will have population pyramids with wide bases and narrow tops.

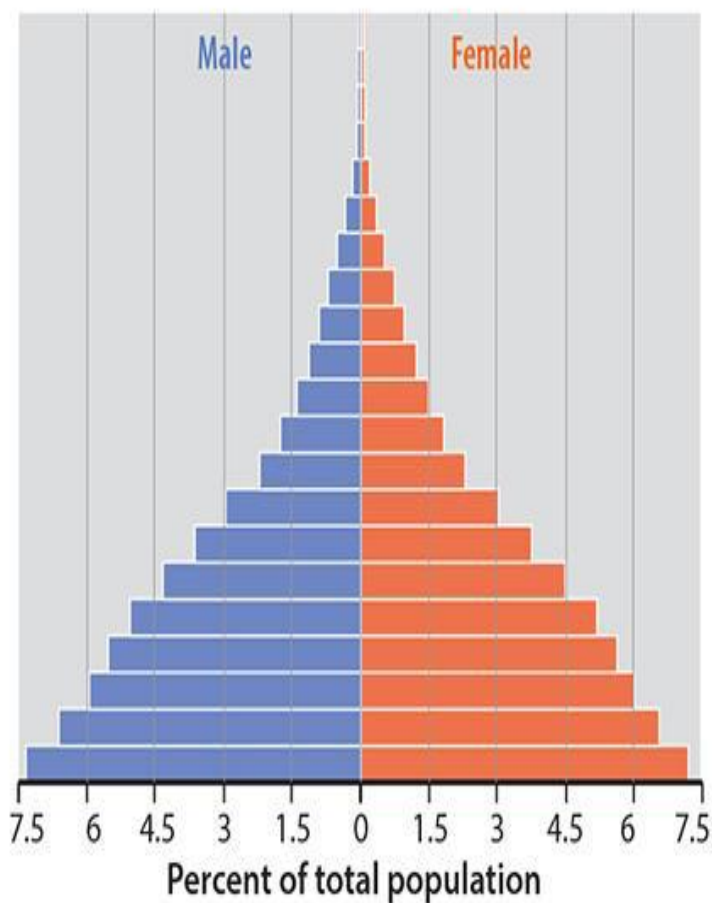


Countries with lower total fertility rates and longer life expectancies have population pyramids shaped more uniformly throughout.

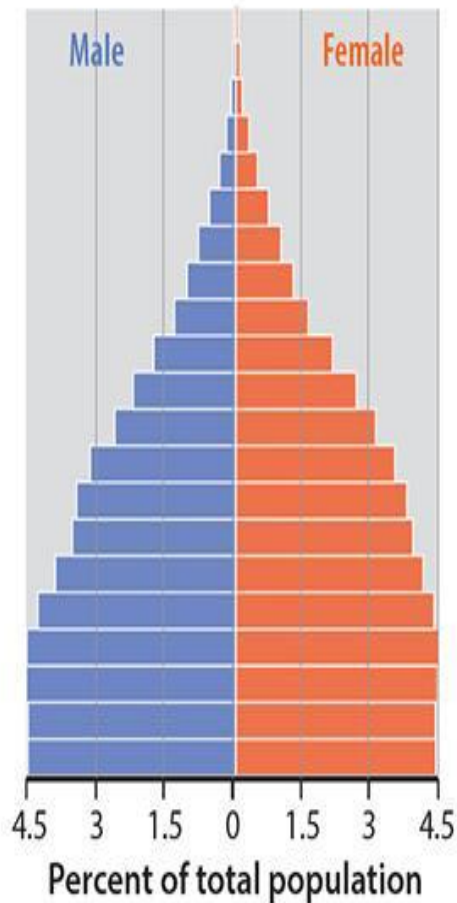
(a) UNITED STATES



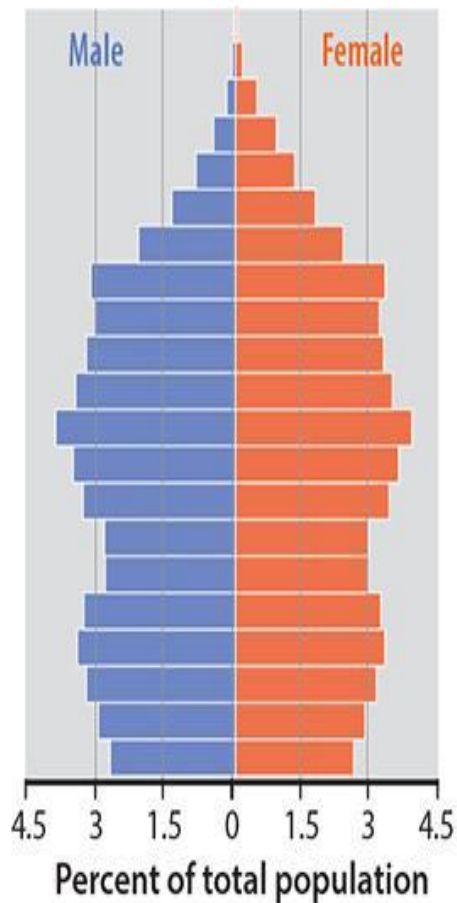
(b) THE GAMBIA



(c) MEXICO



(d) DENMARK



Age

100+

95-99

90-94

85-89

80-84

75-79

70-74

65-69

60-64

55-59

50-54

45-49

40-44

35-39

30-34

25-29

20-24

15-19

10-14

5-9

0-4