

Population Structure

Demographic Transition Model

1. Draw a line graph and show how the CBR changed over time in England. Draw a second line to show the CDR over time. Draw a third line to show the population over time.

| | 1750 | 1800 | 1850 | 1875 | 1900 | 1925 | 1950 | 1975 | 1995 |
|-------------|------|------|------|------|------|------|------|------|------|
| CBR | 40 | 34 | 34 | 33 | 28 | 18 | 16 | 13 | 13 |
| CDR | 40 | 20 | 22 | 22 | 16 | 13 | 12 | 12 | 11 |
| Pop* | 6 | 9 | 18 | 26 | 32 | 40 | 44 | 49 | 50 |

*[millions]

2. Summarize the birth, death, and natural increase rates for each stage of the demographic transition: (give the range for each by referring to the graph)

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|------------|---------|---------|---------|---------|
| CBR | | | | |
| CDR | | | | |
| NIR | | | | |

3. Draw a vertical line on the graph to show when England moved from Stage 1 to Stage 2. Draw a second vertical line to show when England moved from Stage 2 to 3. Draw a third vertical line to show when England moved from Stage 3 to 4.

Population Pyramids

1. Construct population pyramids using the data for the countries provided. A population pyramid is drawn by putting a vertical line in the appropriate square for each age and sex.

| Age | KENYA | | SWEDEN | |
|-------|-------|--------|--------|--------|
| | Male | Female | Male | Female |
| | % | % | % | % |
| 0-4 | 9.8 | 9.8 | 3.3 | 3.2 |
| 5-9 | 7.5 | 7.5 | 3.4 | 3.5 |
| 10-14 | 6.5 | 6.8 | 3.5 | 3.5 |
| 15-19 | 5.5 | 5.7 | 3.2 | 3.2 |
| 20-24 | 4.2 | 4.2 | 3.5 | 3.3 |
| 25-29 | 3.1 | 3.2 | 3.9 | 3.9 |
| 30-34 | 2.5 | 2.9 | 3.9 | 3.9 |
| 35-39 | 2.0 | 2.4 | 3.0 | 3.1 |
| 40-44 | 1.9 | 2.2 | 2.6 | 2.9 |
| 45-49 | 1.5 | 1.9 | 2.7 | 3.0 |
| 50-54 | 1.1 | 1.7 | 2.8 | 3.1 |
| 55-59 | 1.0 | 1.3 | 2.8 | 3.3 |
| 60-64 | 0.6 | 1.1 | 2.6 | 3.1 |
| 65-69 | 0.3 | 0.6 | 2.4 | 3.0 |
| 70-74 | 0.2 | 0.4 | 1.9 | 2.6 |
| 75+ | 0.1 | 0.4 | 2.2 | 3.6 |