

Name: \_\_\_\_\_

## Age Structure Graphs

You will need your notes, graph paper and a calculator to complete this activity.

Country: \_\_\_\_\_

**Step 1:** In order to construct your country's age structure graph, you must first calculate the percentage of the population of each gender in each age group.

**Example:** If the United States' total population in 2007 was 301,139,947 and the population of males ages 0-4 was 10,635,491, then:

$$\frac{10,635,491}{301,139,947} = .035 \text{ or } 3.5\%$$

**Step 2:** Using graph paper, construct an age structure graph representative of your assigned country. A line drawn down the middle of the graph paper separates the male and female populations. The percentages of the population will be plotted along the X-axis with females to the right of the center line and males to the left of the center line. The age groups will be running up the Y-axis with the youngest at the bottom and the oldest at the top.

**Step 3:** Analyze your age structure graph by answering the questions below. These questions along with your graph will be submitted for a grade.

1. What can you tell about your country from the age structure graph?
2. Where would you be represented on the tables and on the graphs?
3. Can you tell from the data if there are more male or female babies in each country?
4. Are there more elderly women or men? Why might that be the case?
5. Can you tell from the *graphs* which country has the most people?
6. How could you tell which country has the most people?
7. What shape does your graph look like? What does that indicate about their population growth rates? What factors would change the shape of the pyramids in the future?

Name: \_\_\_\_\_

United States, 2007				
Age Group	Male	%	Female	%
0-4	10,635,000		10,181,000	
5-9	10,156,000		9,717,000	
10-14	10,360,000		9,880,000	
15-19	11,115,000		10,551,000	
20-24	10,794,000		10,241,000	
25-29	10,570,000		10,242,000	
30-34	9,786,000		9,596,000	
35-39	10,558,000		10,491,000	
40-44	10,878,000		11,003,000	
45-49	11,280,000		11,567,000	
50-54	10,272,000		10,721,000	
55-59	8,855,000		9,424,000	
60-64	6,889,000		7,531,000	
65-69	5,027,000		5,758,000	
70-74	3,857,000		4,727,000	
75+	6,975,000		11,506,000	
<b>Total</b>	<b>148,007,000</b>		<b>153,136,000</b>	
<b>Total</b>	<b>301,143,000</b>			

Source: U.S. Census Bureau, International Database, [www.census.gov](http://www.census.gov)

Name: \_\_\_\_\_

<b>Mexico, 2007</b>				
<b>Age Group</b>	<b>Male</b>	<b>%</b>	<b>Female</b>	<b>%</b>
0-4	5,532,000		5,293,000	
5-9	5,553,000		5,324,000	
10-14	5,612,000		5,394,000	
15-19	5,419,000		5,293,000	
20-24	4,857,000		4,945,000	
25-29	4,393,000		4,652,000	
30-34	4,252,000		4,468,000	
35-39	3,770,000		4,077,000	
40-44	3,148,000		3,574,000	
45-49	2,692,000		3,088	
50-54	2,426,000		2,426,000	
55-59	1,872,000		1,872,000	
60-64	1,532,000		1,532,000	
65-69	1,219,000		1,219,000	
70-74	770,000		914,000	
75+	1,392,000		1,392,000	
<b>Total</b>	<b>54,439,000</b>		<b>55,463,000</b>	
<b>Total</b>	<b>109,902,000</b>			

Source: U.S. Census Bureau, International Database, [www.census.gov](http://www.census.gov)

Name: \_\_\_\_\_

China, 2007				
Age Group	Male	%	Female	%
0-4	44,095,000		39,021,000	
5-9	46,723,000		40,692,000	
10-14	52,708,000		46,894,000	
15-19	62,136,000		56,703,000	
20-24	55,406,000		52,237,000	
25-29	50,075,000		47,347,000	
30-34	53,965,000		51,894,000	
35-39	64,679,000		61,198,000	
40-44	62,035,000		59,138,000	
45-49	37,202,000		35,083,000	
50-54	43,977,000		42,011,000	
55-59	33,974,000		32,403,000	
60-64	22,630,000		22,851,000	
65-69	18,972,000		18,413,000	
70-74	15,022,000		15,695,000	
75+	15,690,000		20,249,000	
<b>Total</b>	<b>679,289,000</b>		<b>641,559,000</b>	
<b>Total</b>	<b>1,320,848,000</b>			

Source: U.S. Census Bureau, International Database, [www.census.gov](http://www.census.gov)

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India, 2007				
Age Group	Male	%	Female	%
0-4	64,688,000		58,527,000	
5-9	63,127,000		57,522,000	
10-14	60,393,000		55,307,000	
15-19	55,876,000		51,428,000	
20-24	52,609,000		48,813,000	
25-29	48,940,000		45,973,000	
30-34	45,242,000		42,945,000	
35-39	40,707,000		38,845,000	
40-44	34,734,000		33,003,000	
45-49	29,309,000		27,769,000	
50-54	24,298,000		23,054,000	
55-59	19,686,000		18,866,000	
60-64	15,577,000		15,338,000	
65-69	11,653,000		11,955,000	
70-74	7,942,000		8,605,000	
75+	7,663,000		9,471,000	
<b>Total</b>	<b>582,444,000</b>		<b>547,421,000</b>	
<b>Total</b>	<b>1,129,865,000</b>			

Source: U.S. Census Bureau, International Database, [www.census.gov](http://www.census.gov)

Name: \_\_\_\_\_

Nigeria, 2007				
Age Group	Male	%	Female	%
0-4	11,216,000		11,055,000	
5-9	9,325,000		9,191,000	
10-14	8,185,000		8,056,000	
15-19	7,200,000		7,077,000	
20-24	6,342,000		6,213,000	
25-29	5,598,000		5,412,000	
30-34	4,506,000		4,212,000	
35-39	3,616,000		3,334,000	
40-44	2,957,000		2,798,000	
45-49	2,422,000		2,320,000	
50-54	1,986,000		1,926,000	
55-59	1,624,000		1,650,000	
60-64	1,292,000		1,336,000	
65-69	916,000		974,000	
70-74	583,000		648,000	
75+	488,000		573,000	
<b>Total</b>	<b>68,256,000</b>		<b>66,775,000</b>	
<b>Total</b>	<b>135,031,000</b>			

Source: U.S. Census Bureau, International Database, [www.census.gov](http://www.census.gov)

Name: \_\_\_\_\_

France, 2007				
Age Group	Male	%	Female	%
0-4	2,069,000		1,972,000	
5-9	2,032,000		1,934,000	
10-14	1,963,000		1,870,000	
15-19	2,047,000		1,955,000	
20-24	2,054,000		1,972,000	
25-29	2,097,000		2,021,000	
30-34	2,153,000		2,083,000	
35-39	2,316,000		2,282,000	
40-44	2,242,000		2,272,000	
45-49	2,160,000		2,221,000	
50-54	2,083,000		2,164,000	
55-59	2,078,000		2,149,000	
60-64	1,570,000		1,645,000	
65-69	1,197,000		1,325,000	
70-74	1,116,000		1,369,000	
75+	1,963,000		3,344,000	
<b>Total</b>	<b>31,140,000</b>		<b>32,578,000</b>	
<b>Total</b>	<b>63,718,000</b>			

Source: U.S. Census Bureau, International Database, [www.census.gov](http://www.census.gov)