## POWER OF THE PYRAMIDS



## INTRODUCTION

Many of the vast differences we see in societies across the globe can be related to the make-up of their respective populations. This is true on the local, state, and national level. So when exploring variations among countries, a good place to start is with their population pyramids graphs that display the age and sex distribution of the country's population.

To help them make population projections for different countries, demographers look at the profile of the countries' residents. What are the ages of the people? How many are men? How many are women? Taking this information, they construct population pyramids that depict the configuration of a country's population as impacted by over 80 years of economic, political and natural events.

## MATERIALS

-Student Worksheet

- Pyramid Graph Paper
- Markers
- Calculators (optional)


## PROCEDURE

1. Display the world population pyramid and explain that this is a type of graph used by demographers to study the distribution of people across sex and age categories.
2. Explain to the students that the graph represents the entire world population, sorted by age and sex - with the youngest at the bottom and the oldest at the top and males on the left, females on the right. Each age/ sex grouping is called a cohort. A cohort represents the percentage of people within that sex and age range within the population. So on the world population

## CONCEPT

The age and sex distribution of a regional or national population affects its growth rate.

## OBJECTIVES

Students will be able to:

- Calculate percentages using raw numbers for each age/sex group in a given population.
-Construct a population pyramid graph for for one of six different countries.
- Make connections between the shape of a graph and a country's population growth.
- Analyze countries' population pyramids to make inferences about past events, current trends, and future growth.


## SUBJECTS

Social studies (geography), math

## SKILLS:

Calculating percentages, graphing and analyzing data, interpreting bar graphs, comparing and evaluating

## METHOD

Students use real-world data to construct and interpret population pyramids and discuss differences in population growth rates among several different countries.
pyramid, we can see that 4.5 percent of the global population is made up of males aged 0-4.
3. Ask the students the following comprehension questions and allow them time to ask their own questions.
a. Why do you think this type of graph is called a population pyramid? (Because of its shape)
b. What is the largest age cohort and how can you tell? (o - 4 year old males; that bar extends furthest from the center axis)
c. What cohort makes up 4 percent of the global population? (15-19 year old males)

d. Where are you represented on the pyramid?
e. Are there currently more old people or young people living on the planet? How can you tell? (More young people. The cohorts for young ages extend out further than the cohort bars for elderly people.)
f. Can we tell by looking at the pyramid how many people are on the planet? Explain. (No, because percentages of the population are represented on the graph, not the actual number of people in each cohort.)
g. Do you think different countries' population pyramids vary in shape?
4. Distribute the Pyramid Graph Paper and a copy of the Student Worksheet to each student and assign them one of the six countries. If you'd prefer, students can work in pairs.
5. The figures on the Worksheet are the population of each age group within each sex for each particular country. In order to construct the country's pyramid, students must first calculate the percentage of the population of each sex in each age group.

Example: According to the Worksheet, the total population of the United States in 2020 was $332,639,102$. The population of U.S. males aged 0-4 was 10,445,659.
$10,445,659 / 332,639,102=.031$ or $3.1 \%$
Students should complete these calculations for each cohort (age group).
6. Model how to construct a population pyramid. Be sure students understand that the line drawn down the middle of the graph separates the male and female populations. The percentages of the population are plotted along the X -axis with females to the right, males to the left of the center line. The age groups are running up the Y -axis with the youngest at the bottom, oldest at the top.
7. Students construct a population pyramid for their assigned country by graphing the percentage data on the Pyramid Graph Paper. Using dark markers, they can shade in the two sides of their graph.
8. Choose one completed pyramid from each country to display for the class.
9. Go over the Discussion Questions.

## Answers to Student Worksheets

See Answer Key

## DISCUSSION QUESTIONS

1. Where are you represented on the Student Worksheet table and on the graphs?

If you live in the United States and are between 10 and 15 years old you are represented on line three in the U.S. data under either male or female. On the graph, you and your cohorts make up the percentage represented by the third bar from the bottom, males on the left, females on the right.
2. Can you tell from the graphs which country has the most people?

No. The graphs represent 100\% of the population of each country broken down by age groups.
Demographers typically use the percentage data instead of the raw data so that each graph fits on the same size paper and can be compared to the graphs of other countries.
3. Can you tell from the data if there are more male babies or female babies in each country?

Yes, there are more male babies. There is a slightly greater probability of giving birth to male children. For every 100 females born, there are about 105 males born.
4. Are there more elderly females or males? Why might that be the case?

There are more elderly females. Throughout the world, life expectancy for females is higher than for males, due to a number of genetic and social factors. In general, males are more predisposed to certain health risks than females. Also, males make up the vast majority of the military and are more likely to die during wars.
5. In which country do children make up the largest percentage of the population?

In Nigeria, children make up the largest percentage of the population; the bars at the bottom of the Nigerian pyramid extend the furthest. The percentages that you calculated show that Nigerian babies (males and female ages $0-4$ ) make up over 15 percent ( $7.9 \%+7.5 \%$ ) of the population and the older children in the next two cohorts (ages 5-9 and 10-14) also make up a large percentage.
6. Does a country have more potential for population growth when there are a lot of young people, or fewer young people? What is the shape of a graph that represents a population with more young people than old people?

More young people means a country has more potential for growth because these young people will soon reach their reproductive years. Those graphs are shaped like a triangle, or pyramid. The graphs have a wide base and a narrow top.
7. Of the six graphs, which one looks the most like a pyramid? What does that indicate about its population growth rate? Can you think of any other information we can infer from the triangular pyramid shape?

The graph for Nigeria looks most like a pyramid. This shape indicates a high growth rate. Population growth occurs when the segment of the population currently in its childbearing years (ages 15-44; bars $4-10$ on the graphs) has produced a generation larger than itself (bars 1-3). The pyramid shape also indicates that a relatively small proportion of the population is elderly - the bars at the top of the graph are very small - and could mean that life expectancy is low.
8. Which other graphs have a wide base and narrow top? Do you think these countries are growing as fast as Nigeria?

The graphs for India and Guatemala each have a wide base and narrow top. However, unlike Nigeria, the bottom bars of the graph representing the youngest cohorts, are more rectangular. This is especially evident in India's graph where the bottom five bars are almost the same size (4.6 and 4.7 percent for males and 4.1 percent for females, ages $0-25$ ). If this trend continues unchanged, the "pyramid" might gradually become more rectangular.
9. What factors would change the shape of the pyramids in the future?

A decrease in the birth rate. The people in their childbearing years would be having fewer children, and therefore, be producing a generation more similar in size to itself. This would change the shape of the graph over time from a pyramid to more of a rectangle, indicating a more stable population. Additionally, as life expectancy increases and the proportion of older people increases, the top bars will expand.
10. Looking at the pyramids, which countries appear to have the slowest rates of population growth? How can you tell?

Germany has the slowest population growth with over half of the country's population past their childbearing years. The pyramid has a wide top and thin base showing that 53 percent of the population is over the age of 45 (bars 10-18 on the graphs). The United States is also growing slowly. The graph is closer to a rectangle than a pyramid, showing more similar population size across the age groups and therefore a more stable population.
11. Imagine you are a business owner in the United States, and you are deciding what to sell based on the information you have about the population. What would you sell and why?

Answers should include any products for people between 25-34 or 55-64 because they make up the largest percentages of people.
12. Imagine you are a business owner in Nigeria, and you are deciding what to sell based on the information you have about the population. What would you sell and why?

Answers should include any products for children and infants.

## ASSESSMENT

Students complete an exit ticket indicating if the following statements are true or false. If the statement is false, why?

1. A population pyramid displays a country's population in terms of age and shoe size.
2. By looking at the world's population pyramid, we can tell that the global population is 7.8 billion.
3. When a population pyramid's shape is closer to a rectangle than a pyramid, that country's population growth rate is slow.
4. If a country is growing, bars at the bottom of the graph (representing younger people) extend further out than bars at the top of the graph (representing older people).

## Answers

1. False - pyramids display age and sex.
2. False - the pyramid shows the age/sex distribution of the population as a percentage, not the actual number of people.
3. True
4. True

Data source: United State Census Bureau, International Data Base.

POWER OF THE PYRAMIDS
STUDENT WORKSHEET

Name:
Date: $\qquad$

| UNITED STATES (2020) |  |  |  |  | CHINA (2020) |  |  |  |  | NIGERIA (2020) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { AGE } \\ & \text { GROUP } \end{aligned}$ | MALES | MALES \% | FEMALES | $\begin{gathered} \text { FEMALES } \\ \% \end{gathered}$ | $\begin{aligned} & \text { AGE } \\ & \text { GROUP } \end{aligned}$ | MALES | MALES \% | FEMALES | $\begin{gathered} \text { FEMALES } \\ \% \end{gathered}$ | $\begin{aligned} & \text { AGE } \\ & \text { GROUP } \end{aligned}$ | MALES | MALES \% | FEMALES | $\begin{gathered} \text { FEMALES } \\ \% \end{gathered}$ |
| 0-4 | 10,445,659 |  | 9,992,880 |  | 0-4 | 43,933,770 |  | 38,898,766 |  | 0-4 | 16,813,967 |  | 16,053,449 |  |
| 5-9 | 10,325,131 |  | 9,875,278 |  | 5-9 | 43,303,522 |  | 37,227,422 |  | 5-9 | 15,044,440 |  | 14,423,094 |  |
| 10-14 | 10,603,765 |  | 10,166,213 |  | 10-14 | 42,059,047 |  | 35,656,239 |  | 10-14 | 13,713,331 |  | 13,198,226 |  |
| 15-19 | 10,732,423 |  | 10,305,932 |  | 15-19 | 40,312,118 |  | 34,191,682 |  | 15-19 | 12,130,595 |  | 11,720,651 |  |
| 20-24 | 11,198,945 |  | 10,700,531 |  | 20-24 | 45,817,723 |  | 39,684,466 |  | 20-24 | 9,892,065 |  | 9,638,102 |  |
| 25-29 | 12,029,149 |  | 11,482,838 |  | 25-29 | 53,218,977 |  | 48,128,777 |  | 25-29 | 7,850,577 |  | 7,734,216 |  |
| 30-34 | 11,649,087 |  | 11,330,329 |  | 30-34 | 64,173,087 |  | 62,018,343 |  | 30-34 | 6,751,995 |  | 6,718,188 |  |
| 35-39 | 10,990,413 |  | 10,931,596 |  | 35-39 | 50,883,009 |  | 48,596,175 |  | 35-39 | 5,944,240 |  | 5,948,352 |  |
| 40-44 | 10,168,231 |  | 10,261,555 |  | 40-44 | 47,096,321 |  | 45,387,943 |  | 40-44 | 5,013,838 |  | 5,014,734 |  |
| 45-49 | 9,947,289 |  | 10,157,342 |  | 45-49 | 58,099,063 |  | 56,128,753 |  | 45-49 | 4,044,321 |  | 4,037,313 |  |
| 50-54 | 10,109,501 |  | 10,400,905 |  | 50-54 | 60,319,274 |  | 58,451,566 |  | 50-54 | 3,203,942 |  | 3,233,671 |  |
| 55-59 | 10,598,811 |  | 11,172,941 |  | 55-59 | 48,010,856 |  | 47,409,493 |  | 55-59 | 2,475,859 |  | 2,552,575 |  |
| 60-64 | 10,091,925 |  | 10,918,867 |  | 60-64 | 36,816,789 |  | 36,148,014 |  | 60-64 | 1,851,988 |  | 1,961,689 |  |
| 65-69 | 8,491,889 |  | 9,538,282 |  | 65-69 | 34,411,322 |  | 35,544,771 |  | 65-69 | 1,374,968 |  | 1,501,109 |  |
| 70-74 | 6,836,985 |  | 7,922,281 |  | 70-74 | 22,080,119 |  | 23,360,749 |  | 70-74 | 979,963 |  | 1,085,776 |  |
| 75-79 | 4,502,437 |  | 5,550,601 |  | 75-79 | 13,084,854 |  | 14,835,509 |  | 75-79 | 593,642 |  | 672,316 |  |
| 80-84 | 2,764,750 |  | 3,743,461 |  | 80-84 | 7,738,618 |  | 9,800,033 |  | 80-84 | 274,821 |  | 331,556 |  |
| $85+$ | 2,418,086 |  | 4,282,794 |  | 85+ | 4,271,577 |  | 6,917,230 |  | 85+ | 105,689 |  | 143,044 |  |
| Total | 332,639,102 |  |  |  | Total | 1,394,015,977 |  |  |  | Total | 214,028,302 |  |  |  |

Data source: United State Census Bureau, International Data Base.

## POWER OF THE PYRAMIDS

STUDENT WORKSHEET - PAGE 2

| GERMANY (2020) |  |  |  |  | INDIA (2020) |  |  |  |  | GUATEMALA (2020) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { AGE } \\ & \text { GROUP } \end{aligned}$ | MALES | MALES \% | FEMALES | FEMALES \% | $\begin{aligned} & \text { AGE } \\ & \text { GROUP } \end{aligned}$ | MALES | MALES \% | FEMALES | $\begin{gathered} \text { FEMALES } \\ \% \end{gathered}$ | $\begin{aligned} & \text { AGE } \\ & \text { GROUP } \end{aligned}$ | MALES | MALES \% | FEMALES | $\begin{gathered} \text { FEMALES } \\ \% \end{gathered}$ |
| 0-4 | 1,776,761 |  | 1,684,135 |  | 0-4 | 61,476,291 |  | 54,844,472 |  | 0-4 | 1,010,695 |  | 968,598 |  |
| 5-9 | 1,761,223 |  | 1,669,702 |  | 5-9 | 61,662,844 |  | 54,471,426 |  | 5-9 | 996,756 |  | 959,055 |  |
| 10-14 | 1,764,866 |  | 1,672,026 |  | 10-14 | 61,877,954 |  | 54,528,674 |  | 10-14 | 936,694 |  | 905,779 |  |
| 15-19 | 1,884,828 |  | 1,792,996 |  | 15-19 | 62,153,754 |  | 54,704,937 |  | 15-19 | 869,188 |  | 852,395 |  |
| 20-24 | 2,127,584 |  | 2,061,475 |  | 20-24 | 61,269,777 |  | 54,034,843 |  | 20-24 | 836,542 |  | 831,151 |  |
| 25-29 | 2,298,179 |  | 2,253,770 |  | 25-29 | 57,794,800 |  | 51,429,767 |  | 25-29 | 762,843 |  | 767,087 |  |
| 30-34 | 2,577,005 |  | 2,526,601 |  | 30-34 | 53,489,399 |  | 48,939,213 |  | 30-34 | 647,084 |  | 658,754 |  |
| 35-39 | 2,455,944 |  | 2,450,154 |  | 35-39 | 49,987,699 |  | 46,481,566 |  | 35-39 | 537,577 |  | 553,941 |  |
| 40-44 | 2,350,680 |  | 2,351,081 |  | 40-44 | 46,115,904 |  | 43,539,933 |  | 40-44 | 458,964 |  | 482,619 |  |
| 45-49 | 2,521,809 |  | 2,501,884 |  | 45-49 | 41,980,723 |  | 40,396,572 |  | 45-49 | 378,759 |  | 407,606 |  |
| 50-54 | 3,349,711 |  | 3,286,927 |  | 50-54 | 35,907,142 |  | 35,055,268 |  | 50-54 | 280,706 |  | 316,809 |  |
| 55-59 | 3,433,935 |  | 3,390,809 |  | 55-59 | 29,320,623 |  | 29,052,650 |  | 55-59 | 238,627 |  | 272,111 |  |
| 60-64 | 2,863,951 |  | 2,925,215 |  | 60-64 | 23,124,194 |  | 23,394,388 |  | 60-64 | 192,790 |  | 224,632 |  |
| 65-69 | 2,384,833 |  | 2,582,179 |  | 65-69 | 17,324,501 |  | 18,037,720 |  | 65-69 | 149,151 |  | 174,219 |  |
| 70-74 | 1,839,689 |  | 2,071,543 |  | 70-74 | 12,027,804 |  | 13,112,207 |  | 70-74 | 104,288 |  | 121,664 |  |
| 75-79 | 1,649,406 |  | 2,033,966 |  | 75-79 | 7,415,100 |  | 8,646,670 |  | 75-79 | 63,790 |  | 78,431 |  |
| 80-84 | 1,356,200 |  | 1,885,712 |  | 80-84 | 3,676,445 |  | 4,727,348 |  | 80-84 | 30,367 |  | 41,330 |  |
| 85+ | 918,745 |  | 1,704,138 |  | 85+ | 1,610,609 |  | 2,480,030 |  | 85+ | 15,864 |  | 26,422 |  |
| Total | 80,159,662 |  |  |  | Total | 1,326,093,247 |  |  |  | Total | 17,153,288 |  |  |  |

Data source: United State Census Bureau, International Data Base.

## POWER OF THE PYRAMIDS

## GRAPH PAPER

Name: $\qquad$ Date: $\qquad$
Country $\qquad$

Male
Female


## POWER OF THE PYRAMIDS

## ANSWER KEY (STUDENT WORKSHEET)

| UNITED STATES (2020) |  |  |  |  | CHINA (2020) |  |  |  |  | NIGERIA (2020) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE GROUP | MALES | MALES <br> \% | FEMALES | FEMALES \% | AGE GROUP | MALES | MALES <br> \% | FEMALES | FEMALES \% | AGE GROUP | MALES | MALES \% | FEMALES | FEMALES \% |
| 0-4 | 10,445,659 | 3.1\% | 9,992,880 | 3.0\% | 0-4 | 43,933,770 | 3.2\% | 38,898,766 | 2.8\% | 0-4 | 16,813,967 | 7.9\% | 16,053,449 | 7.5\% |
| 5-9 | 10,325,131 | 3.1\% | 9,875,278 | 3.0\% | 5-9 | 43,303,522 | 3.1\% | 37,227,422 | 2.7\% | 5-9 | 15,044,440 | 7.0\% | 14,423,094 | 6.7\% |
| 10-14 | 10,603,765 | 3.2\% | 10,166,213 | 3.1\% | 10-14 | 42,059,047 | 3.0\% | 35,656,239 | 2.6\% | 10-14 | 13,713,331 | 6.4\% | 13,198,226 | 6.2\% |
| 15-19 | 10,732,423 | 3.2\% | 10,305,932 | 3.1\% | 15-19 | 40,312,118 | 2.9\% | 34,191,682 | 2.5\% | 15-19 | 12,130,595 | 5.7\% | 11,720,651 | 5.5\% |
| 20-24 | 11,198,945 | 3.4\% | 10,700,531 | 3.2\% | 20-24 | 45,817,723 | 3.3\% | 39,684,466 | 2.8\% | 20-24 | 9,892,065 | 4.6\% | 9,638,102 | 4.5\% |
| 25-29 | 12,029,149 | 3.6\% | 11,482,838 | 3.5\% | 25-29 | 53,218,977 | 3.8\% | 48,128,777 | 3.5\% | 25-29 | 7,850,577 | 3.7\% | 7,734,216 | 3.6\% |
| 30-34 | 11,649,087 | 3.5\% | 11,330,329 | 3.4\% | 30-34 | 64,173,087 | 4.6\% | 62,018,343 | 4.4\% | 30-34 | 6,751,995 | 3.2\% | 6,718,188 | 3.1\% |
| 35-39 | 10,990,413 | 3.3\% | 10,931,596 | 3.3\% | 35-39 | 50,883,009 | 3.7\% | 48,596,175 | 3.5\% | 35-39 | 5,944,240 | 2.8\% | 5,948,352 | 2.8\% |
| 40-44 | 10,168,231 | 3.1\% | 10,261,555 | 3.1\% | 40-44 | 47,096,321 | 3.4\% | 45,387,943 | 3.3\% | 40-44 | 5,013,838 | 2.3\% | 5,014,734 | 2.3\% |
| 45-49 | 9,947,289 | 3.0\% | 10,157,342 | 3.1\% | 45-49 | 58,099,063 | 4.2\% | 56,128,753 | 4.0\% | 45-49 | 4,044,321 | 1.9\% | 4,037,313 | 1.9\% |
| 50-54 | 10,109,501 | 3.0\% | 10,400,905 | 3.1\% | 50-54 | 60,319,274 | 4.3\% | 58,451,566 | 4.2\% | 50-54 | 3,203,942 | 1.5\% | 3,233,671 | 1.5\% |
| 55-59 | 10,598,811 | 3.2\% | 11,172,941 | 3.4\% | 55-59 | 48,010,856 | 3.4\% | 47,409,493 | 3.4\% | 55-59 | 2,475,859 | 1.2\% | 2,552,575 | 1.2\% |
| 60-64 | 10,091,925 | 3.0\% | 10,918,867 | 3.3\% | 60-64 | 36,816,789 | 2.6\% | 36,148,014 | 2.6\% | 60-64 | 1,851,988 | 0.9\% | 1,961,689 | 0.9\% |
| 65-69 | 8,491,889 | 2.6\% | 9,538,282 | 2.9\% | 65-69 | 34,411,322 | 2.5\% | 35,544,771 | 2.5\% | 65-69 | 1,374,968 | 0.6\% | 1,501,109 | 0.7\% |
| 70-74 | 6,836,985 | 2.1\% | 7,922,281 | 2.4\% | 70-74 | 22,080,119 | 1.6\% | 23,360,749 | 1.7\% | 70-74 | 979,963 | 0.5\% | 1,085,776 | 0.5\% |
| 75-79 | 4,502,437 | 1.4\% | 5,550,601 | 1.7\% | 75-79 | 13,084,854 | 0.9\% | 14,835,509 | 1.1\% | 75-79 | 593,642 | 0.3\% | 672,316 | 0.3\% |
| 80-84 | 2,764,750 | 0.8\% | 3,743,461 | 1.1\% | 80-84 | 7,738,618 | 0.6\% | 9,800,033 | 0.7\% | 80-84 | 274,821 | 0.1\% | 331,556 | 0.2\% |
| 85+ | 2,418,086 | 0.7\% | 4,282,794 | 1.3\% | 85+ | 4,271,577 | 0.3\% | 6,917,230 | 0.5\% | 85+ | 105,689 | 0.0\% | 143,044 | 0.1\% |
| Total | 332,639,102 |  |  |  | Total | 1,394,015,977 |  |  |  | Total | 214,028,302 |  |  |  |

Data source: United State Census Bureau, International Data Base

## POWER OF THE PYRAMIDS

## ANSWER KEY (STUDENT WORKSHEET) - PAGE 2

| GERMANY (2020) |  |  |  |  | INDIA (2020) |  |  |  |  | GUATEMALA (2020) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE GROUP | MALES | MALES <br> \% | FEMALES | FEMALES \% | AGE GROUP | MALES | MALES \% | FEMALES | FEMALES \% | AGE GROUP | MALES | MALES <br> \% | FEMALES | FEMALES \% |
| O-4 | 1,776,761 | 2.2\% | 1,684,135 | 2.1\% | O-4 | 61,476,291 | 4.6\% | 54,844,472 | 4.1\% | O-4 | 1,010,695 | 5.9\% | 968,598 | 5.6\% |
| 5-9 | 1,761,223 | 2.2\% | 1,669,702 | 2.1\% | 5-9 | 61,662,844 | 4.6\% | 54,471,426 | 4.1\% | 5-9 | 996,756 | 5.8\% | 959,055 | 5.6\% |
| 10-14 | 1,764,866 | 2.2\% | 1,672,026 | 2.1\% | 10-14 | 61,877,954 | 4.7\% | 54,528,674 | 4.1\% | 10-14 | 936,694 | 5.5\% | 905,779 | 5.3\% |
| 15-19 | 1,884,828 | 2.4\% | 1,792,996 | 2.2\% | 15-19 | 62,153,754 | 4.7\% | 54,704,937 | 4.1\% | 15-19 | 869,188 | 5.1\% | 852,395 | 5.0\% |
| 20-24 | 2,127,584 | 2.7\% | 2,061,475 | 2.6\% | 20-24 | 61,269,777 | 4.6\% | 54,034,843 | 4.1\% | 20-24 | 836,542 | 4.9\% | 831,151 | 4.8\% |
| 25-29 | 2,298,179 | 2.9\% | 2,253,770 | 2.8\% | 25-29 | 57,794,800 | 4.4\% | 51,429,767 | 3.9\% | 25-29 | 762,843 | 4.4\% | 767,087 | 4.5\% |
| 30-34 | 2,577,005 | 3.2\% | 2,526,601 | 3.2\% | 30-34 | 53,489,399 | 4.0\% | 48,939,213 | 3.7\% | 30-34 | 647,084 | 3.8\% | 658,754 | 3.8\% |
| 35-39 | 2,455,944 | 3.1\% | 2,450,154 | 3.1\% | 35-39 | 49,987,699 | 3.8\% | 46,481,566 | 3.5\% | 35-39 | 537,577 | 3.1\% | 553,941 | 3.2\% |
| 40-44 | 2,350,680 | 2.9\% | 2,351,081 | 2.9\% | 40-44 | 46,115,904 | 3.5\% | 43,539,933 | 3.3\% | 40-44 | 458,964 | 2.7\% | 482,619 | 2.8\% |
| 45-49 | 2,521,809 | 3.1\% | 2,501,884 | 3.1\% | 45-49 | 41,980,723 | 3.2\% | 40,396,572 | 3.0\% | 45-49 | 378,759 | 2.2\% | 407,606 | 2.4\% |
| 50-54 | 3,349,711 | 4.2\% | 3,286,927 | 4.1\% | 50-54 | 35,907,142 | 2.7\% | 35,055,268 | 2.6\% | 50-54 | 280,706 | 1.6\% | 316,809 | 1.8\% |
| 55-59 | 3,433,935 | 4.3\% | 3,390,809 | 4.2\% | 55-59 | 29,320,623 | 2.2\% | 29,052,650 | 2.2\% | 55-59 | 238,627 | 1.4\% | 272,111 | 1.6\% |
| 60-64 | 2,863,951 | 3.6\% | 2,925,215 | 3.6\% | 60-64 | 23,124,194 | 1.7\% | 23,394,388 | 1.8\% | 60-64 | 192,790 | 1.1\% | 224,632 | 1.3\% |
| 65-69 | 2,384,833 | 3.0\% | 2,582,179 | 3.2\% | 65-69 | 17,324,501 | 1.3\% | 18,037,720 | 1.4\% | 65-69 | 149,151 | 0.9\% | 174,219 | 1.0\% |
| 70-74 | 1,839,689 | 2.3\% | 2,071,543 | 2.6\% | 70-74 | 12,027,804 | 0.9\% | 13,112,207 | 1.0\% | 70-74 | 104,288 | 0.6\% | 121,664 | 0.7\% |
| 75-79 | 1,649,406 | 2.1\% | 2,033,966 | 2.5\% | 75-79 | 7,415,100 | 0.6\% | 8,646,670 | 0.7\% | 75-79 | 63,790 | 0.4\% | 78,431 | 0.5\% |
| 80-84 | 1,356,200 | 1.7\% | 1,885,712 | 2.4\% | 80-84 | 3,676,445 | 0.3\% | 4,727,348 | 0.4\% | 80-84 | 30,367 | 0.2\% | 41,330 | 0.2\% |
| 85+ | 918,745 | 1.1\% | 1,704,138 | 2.1\% | 85+ | 1,610,609 | 0.1\% | 2,480,030 | 0.2\% | 85+ | 15,864 | 0.1\% | 26,422 | 0.2\% |
| Total | 80,159,662 |  |  |  | Total | 1,326,093,247 |  |  |  | Total | 17,153,288 |  |  |  |

Data source: United State Census Bureau, International Data Base.

## POWER OF THE PYRAMIDS

## ANSWER KEY (COUNTRY PYRAMIDS)







