

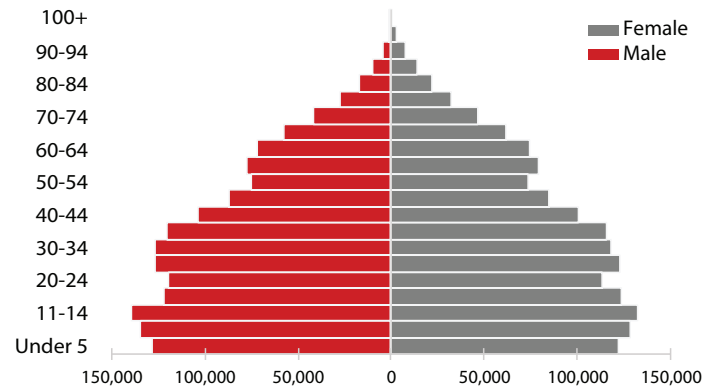
Utah State and County Annual Population Estimates by Single Year of Age and Sex: 2010-2018

Overview

Utah's population grew by nearly 400 thousand people (about 15 percent) since 2010. This is considerable growth, but only part of the story. Birth rates are falling, Utah's population is aging, and Baby Boomers are retiring. Since 2010, the retirement age population (65 and older) grew by nearly 40 percent, while the youth population (under 18) grew by less than 10 percent.

We produced these single year of age and sex estimates for Utah and each of its counties from 2010 through 2018. Using the Utah Demographic and Economic Model (UDEM), we generated age and sex population estimates that sum to Utah Population Committee (UPC) population estimate totals.¹ The full dataset is publicly available on our website, and is a valuable resource for planners and other interested parties who require data on detailed subpopulations.

Figure 1. Utah Population Pyramid, 2018



Source: Kem C. Gardner Policy Institute

Definitions

These estimates represent the “usual resident” population, meaning they reside in the area for more than half the year. Sex ratio is the number of males divided by females. Median age is the age at which half the population is older and younger. Youth dependency ratio is the population under age 18, divided by the population 18 through 64. Retirement dependency ratio is the population 65 and older, divided by the population 18 through 64. Total dependency ratio is the sum of the youth and retirement dependency ratios.

Table 1. Utah Population, 2018

Age	Male	Female	Total	Share	Sex Ratio
Total	1,593,103	1,573,543	3,166,647	100.0%	1.01
Under 5	128,101	122,214	250,315	7.9%	1.05
5-9	134,517	128,545	263,061	8.3%	1.05
10-14	139,110	132,046	271,156	8.6%	1.05
15-19	122,118	123,286	245,404	7.7%	0.99
20-24	119,605	113,066	232,671	7.3%	1.06
25-29	126,593	122,694	249,287	7.9%	1.03
30-34	126,637	118,094	244,731	7.7%	1.07
35-39	120,695	115,857	236,552	7.5%	1.04
40-44	103,905	100,272	204,177	6.4%	1.04
45-49	86,978	84,352	171,330	5.4%	1.03
50-54	75,364	73,742	149,107	4.7%	1.02
55-59	77,289	78,828	156,117	4.9%	0.98
60-64	72,050	74,407	146,457	4.6%	0.97
65-69	57,617	61,273	118,890	3.8%	0.94
70-74	41,660	46,298	87,958	2.8%	0.90
75-79	27,396	32,314	59,710	1.9%	0.85
80-84	17,370	21,950	39,320	1.2%	0.79
85-89	10,171	14,121	24,292	0.8%	0.72
90-94	4,582	7,407	11,990	0.4%	0.62
95-99	1,201	2,406	3,607	0.1%	0.50
100+	144	370	514	0.0%	0.39
School Age (5-17)	353,583	337,148	690,731	21.8%	1.05
College Age (18-24)	161,766	159,795	321,561	10.2%	1.01
Working Age (18-64)	951,277	928,042	1,879,319	59.3%	1.03
Under 18	481,684	459,362	941,046	29.7%	1.05
50+	384,846	413,117	797,963	25.2%	0.93
Retirement Age (65+)	160,142	186,140	346,282	10.9%	0.86
85+	16,099	24,304	40,403	1.3%	0.66
Median Age	31.1	31.9	31.4	-	-
Youth Dependency Ratio			50.1	-	-
Retirement Dependency Ratio			18.4	-	-
Total Dependency Ratio			68.5	-	-

Source: Kem C. Gardner Policy Institute

Table 2. Utah Population Summary, 2010-2018

Age	Year								
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total	2,772,373	2,820,613	2,864,744	2,902,179	2,941,963	2,997,584	3,054,994	3,113,983	3,166,647
Under 5	264,247	263,645	260,185	257,535	254,904	254,409	254,067	253,844	250,315
School Age (5-17)	609,186	621,163	633,261	643,267	653,746	666,992	676,447	683,068	690,731
College Age (18-24)	317,157	315,365	313,517	311,845	306,479	302,941	304,340	311,874	321,561
Working Age (18-64)	1,648,742	1,677,776	1,700,939	1,720,359	1,739,371	1,770,910	1,805,586	1,841,358	1,879,319
Under 18	873,433	884,809	893,446	900,803	908,650	921,401	930,514	936,912	941,046
Retirement Age (65+)	250,198	258,028	270,360	281,017	293,942	305,273	318,894	335,713	346,282
85+	31,363	32,920	34,406	35,501	36,852	37,852	38,965	40,152	40,403
Median Age	29.3	29.5	29.8	30.1	30.4	30.7	30.9	31.2	31.4
Youth Dependency Ratio	53.0	52.7	52.5	52.4	52.2	52.0	51.5	50.9	50.1
Retirement Dependency Ratio	15.2	15.4	15.9	16.3	16.9	17.2	17.7	18.2	18.4
Total Dependency Ratio	68.2	68.1	68.4	68.7	69.1	69.3	69.2	69.1	68.5

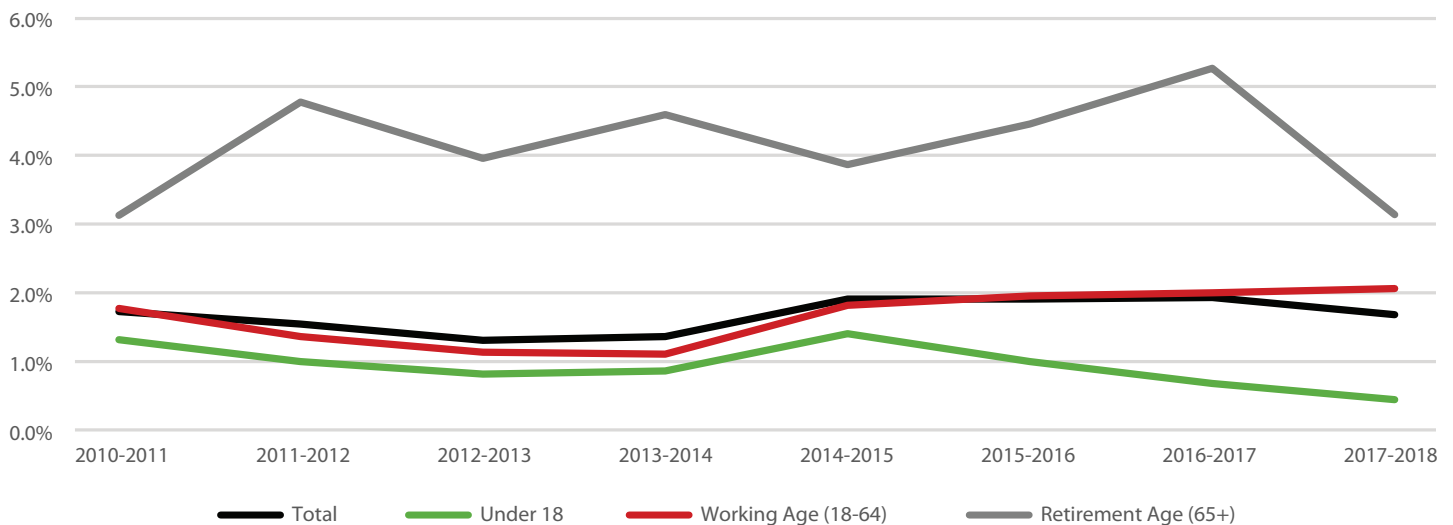
Source: Kem C. Gardner Policy Institute

How do these Estimates Differ from Census Bureau Estimates?

The UPC publishes annual total population estimates for Utah and its counties.² Utah code specifies the conditions under which these should be used for planning.³ Our new age and sex estimates add value by providing more population detail. The Census Bureau

produces similar population estimates used for federal purposes.⁴ UPC estimates differ from the Census Bureau estimates because they incorporate additional local data sources and knowledge to account for unique Utah population characteristics.

Figure 2. Utah Annual Percent Population Growth by Age Group, 2010-2018



Source: Kem C. Gardner Policy Institute

Endnotes

- Hollingshaus, M., Harris, E., Hogue, M.T., Perlich, P.S. (2018). The Utah Demographic and Economic Model: Version 2017. Kem C. Gardner Policy Institute. https://gardner.utah.edu/wp-content/uploads/udem_2017_final.pdf
- Harris, E. (2018). State and County Population Estimates for Utah: 2018. Kem C. Gardner Policy Institute. <https://gardner.utah.edu/wp-content/uploads/Population-Estimates-Dec2018.pdf>
- Utah Code § 63C 20-101. https://le.utah.gov/xcode/Title63C/Chapter20/63C-20.html?v=C63C-20_2018050820180508.
- United States Census Bureau. (2019). Population and Housing Unit Estimates. <https://www.census.gov/programs-surveys/popest/about.html>.