

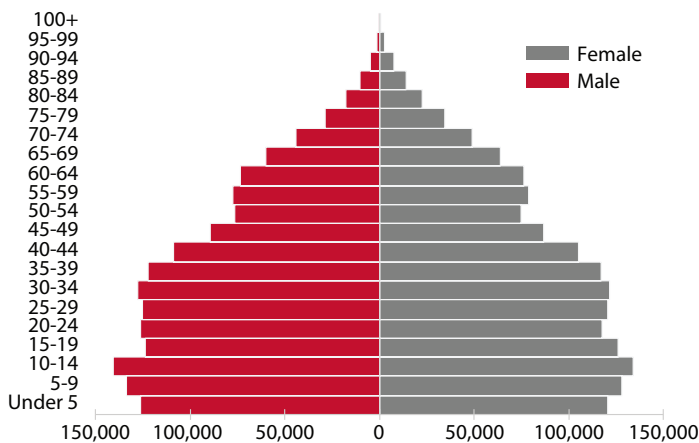
Utah State and County Annual Population Estimates by Single Year of Age and Sex: 2010-2019

Overview

Utah's population grew by nearly 450 thousand people (about 16 percent) between 2010 and 2019. Cumulative natural increase (births minus deaths) accounts for 70 percent of the growth and net migration for 30 percent. Birth rates are falling, Utah's population is aging, and Baby Boomers are retiring. The retirement age population (65 and older) grew by nearly 45 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 2019. 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, 2019



Source: Kem C. Gardner Policy Institute

Table 1. Utah Population, 2019

Age	Male	Female	Total	Share	Sex Ratio
Total	1,619,944	1,600,318	3,220,262	100.0%	1.01
Under 5	126,501	120,697	247,198	7.7%	1.05
5-9	133,907	127,881	261,788	8.1%	1.05
10-14	140,907	133,837	274,744	8.5%	1.05
15-19	123,869	125,953	249,822	7.8%	0.98
20-24	126,108	117,345	243,452	7.6%	1.07
25-29	125,177	120,625	245,801	7.6%	1.04
30-34	127,547	121,458	249,005	7.7%	1.05
35-39	122,491	117,141	239,632	7.4%	1.05
40-44	109,042	105,020	214,062	6.6%	1.04
45-49	89,513	86,839	176,351	5.5%	1.03
50-54	76,489	74,590	151,078	4.7%	1.03
55-59	77,450	78,697	156,147	4.8%	0.98
60-64	73,419	76,055	149,473	4.6%	0.97
65-69	60,164	63,848	124,012	3.9%	0.94
70-74	44,148	48,804	92,952	2.9%	0.90
75-79	28,978	34,410	63,387	2.0%	0.84
80-84	17,925	22,620	40,545	1.3%	0.79
85-89	10,247	14,218	24,466	0.8%	0.72
90-94	4,663	7,426	12,089	0.4%	0.63
95-99	1,247	2,475	3,722	0.1%	0.50
100+	153	381	534	0.0%	0.40
School Age (5-17)	356,540	340,010	696,551	21.6%	1.05
College Age (18-24)	168,250	165,006	333,256	10.3%	1.02
Working Age (18-64)	969,377	945,429	1,914,806	59.5%	1.03
Under 18	483,041	460,708	943,749	29.3%	1.05
50+	394,883	423,523	818,406	25.4%	0.93
Retirement Age (65+)	167,526	194,181	361,707	11.2%	0.86
85+	16,311	24,500	40,811	1.3%	0.67
Median Age	31.3	32.2	31.7	-	-
Youth Dependency Ratio			49.3	-	-
Retirement Dependency Ratio			18.9	-	-
Total Dependency Ratio			68.2	-	-

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. All dependency ratios are multiplied by 100.

Table 2. Utah Population Summary, 2010-2019

Age	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
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	3,220,262
Under 5	264,247	263,645	260,185	257,535	254,904	254,409	254,067	253,844	250,315	247,198
School Age (5-17)	609,186	621,163	633,261	643,267	653,746	666,992	676,447	683,068	690,731	696,551
College Age (18-24)	317,157	315,365	313,517	311,845	306,479	302,941	304,340	311,874	321,561	333,256
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	1,914,806
Under 18	873,433	884,809	893,446	900,803	908,650	921,401	930,514	936,912	941,046	943,749
Retirement Age (65+)	250,198	258,028	270,360	281,017	293,942	305,273	318,894	335,713	346,282	361,707
85+	31,363	32,920	34,406	35,501	36,852	37,852	38,965	40,152	40,403	40,811
Median Age	29.3	29.5	29.8	30.1	30.4	30.7	30.9	31.2	31.4	31.7
Youth Dependency Ratio	53.0	52.7	52.5	52.4	52.2	52.0	51.5	50.9	50.1	49.3
Retirement Dependency Ratio	15.2	15.4	15.9	16.3	16.9	17.2	17.7	18.2	18.4	18.9
Total Dependency Ratio	68.2	68.1	68.4	68.7	69.1	69.3	69.2	69.1	68.5	68.2

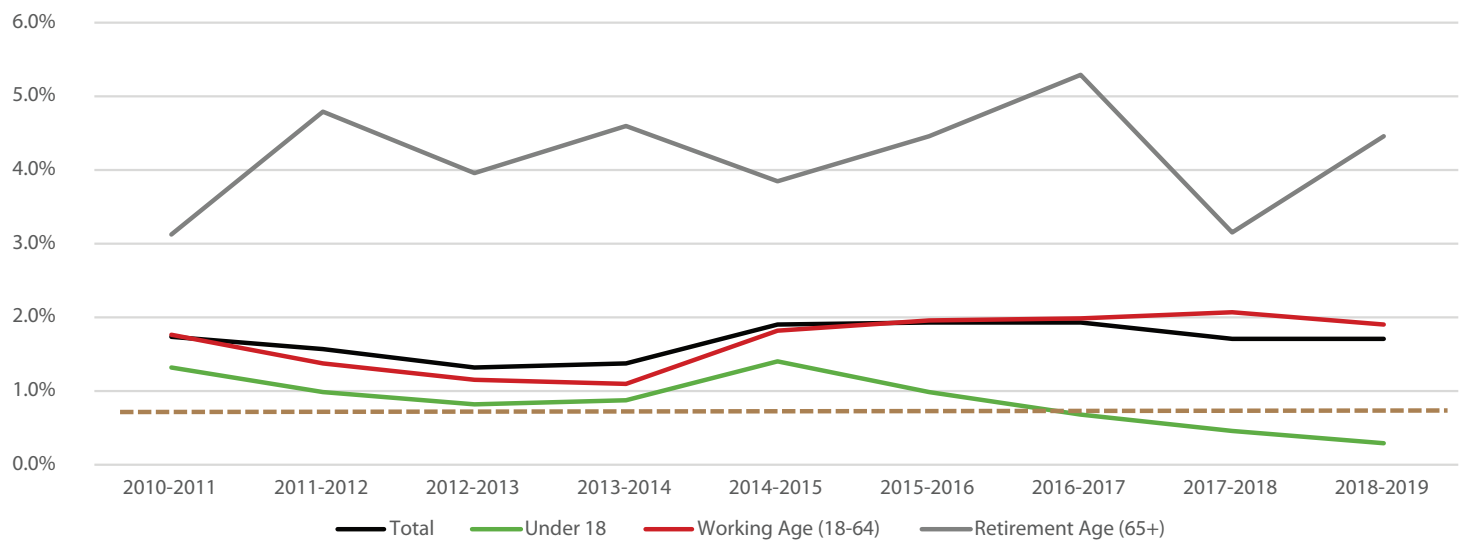
Source: Kem C. Gardner Policy Institute

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, 2010-2019



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. (2019). State and County Population Estimates for Utah: 2019. Kem C. Gardner Policy Institute. <https://gardner.utah.edu/wp-content/uploads/StateCountyPopEst-Dec2019.pdf>
- Utah Code § 63C 20-101. https://le.utah.gov/xcode/Title63C/Chapter20/63C-20.html?v=C63C-20_2018050820180508.
- United States Census Bureau. (2020). Population and Housing Unit Estimates. <https://www.census.gov/programs-surveys/popest/about.html>.