

Population Update Census 2010 and July 1, 2016

	April 1, 2010	July 1, 2016	Change
Maricopa County	3,817,117	4,137,076	319,959
Pinal County	375,770	413,312	37,542
In MAG MPA	238,159	264,371	26,212
Yavapai County	211,033	220,190	9,157
In MAG MPA	7	153	146
MAG MPA total	4,055,283	4,401,600	346,317

Sources: U.S. Census Bureau,
Arizona State Demographer's Office,
Maricopa Association of Governments,
Central Arizona Governments

Estimates for MAG member agencies adopted by MAG Regional Council, December 7, 2016

Pinal County jurisdiction estimates were created in collaboration with CAG staff

See attached document for methodology

Jurisdiction Population Update

Census 2010 and July 1, 2016

Jurisdiction	Total population			Change since Census			Change since 2015	
	April 1, 2010 (Census 2010)	July 1, 2015	July 1, 2016	Change	Overall percent change	Annual percent change	Change	Percent change
Apache Junction	35,840	38,474	39,118	3,278	9.15%	1.14%	644	1.67%
Maricopa County Portion	294	305	306	12	4.08%	0.59%	1	0.33%
Pinal County Portion	35,546	38,169	38,812	3,266	9.19%	1.15%	643	1.68%
Avondale	76,238	79,495	80,073	3,835	5.03%	0.67%	578	0.73%
Buckeye	50,876	62,440	65,509	14,633	28.76%	3.33%	3,069	4.92%
Carefree	3,363	3,552	3,595	232	6.90%	0.88%	43	1.21%
Cave Creek	5,015	5,471	5,498	483	9.63%	1.40%	27	0.49%
Chandler	236,326	245,820	250,547	14,221	6.02%	0.63%	4,727	1.92%
El Mirage	31,797	33,597	33,814	2,017	6.34%	0.88%	217	0.65%
Florence	25,536	26,465	25,679	143	0.56%	0.57%	-786	-2.97%
Fort McDowell	971	1,007	1,010	39	4.02%	0.58%	3	0.30%
Fountain Hills	22,489	23,526	23,638	1,149	5.11%	0.72%	112	0.48%
Gila Bend	1,922	1,992	1,998	76	3.95%	0.57%	6	0.30%
Gila River	11,712	11,913	11,938	226	1.93%	0.27%	25	0.21%
Maricopa County Portion	2,994	3,109	3,118	124	4.14%	0.60%	9	0.29%
Pinal County Portion	8,718	8,804	8,820	102	1.17%	0.16%	16	0.18%
Gilbert	208,352	234,446	239,931	31,579	15.16%	1.91%	5,485	2.34%
Glendale	226,721	236,562	237,723	11,002	4.85%	0.68%	1,161	0.49%
Goodyear	65,275	75,535	78,189	12,914	19.78%	2.36%	2,654	3.51%
Guadalupe	5,523	6,182	6,218	695	12.58%	1.82%	36	0.58%
Litchfield Park	5,476	6,065	6,188	712	13.00%	1.65%	123	2.03%
Maricopa city	43,482	46,427	47,746	4,264	9.81%	1.05%	1,319	2.84%
Mesa	439,041	464,492	467,532	28,491	6.49%	0.91%	3,040	0.65%
Paradise Valley	12,820	13,779	13,930	1,110	8.66%	1.16%	151	1.10%
Peoria	154,065	162,105	166,340	12,275	7.97%	0.82%	4,235	2.61%
Maricopa County Portion	154,058	162,098	166,333	12,275	7.97%	0.82%	4,235	2.61%
Yavapai County Portion	7	7	7	0	0.00%	0.00%	0	0.00%
Phoenix	1,447,128	1,539,133	1,560,020	112,892	7.80%	0.99%	20,887	1.36%
Queen Creek	26,361	33,305	36,096	9,735	36.93%	3.81%	2,791	8.38%
Maricopa County Portion	25,912	32,853	35,629	9,717	37.50%	3.87%	2,776	8.45%
Pinal County Portion	449	452	467	18	4.01%	0.11%	15	3.32%
Salt River	6,289	6,692	6,730	441	7.01%	1.00%	38	0.57%
Scottsdale	217,385	232,987	237,969	20,584	9.47%	1.12%	4,982	2.14%
Surprise	117,517	126,593	128,182	10,665	9.08%	1.20%	1,589	1.26%
Tempe	161,719	173,267	176,584	14,865	9.19%	1.11%	3,317	1.91%
Tolleson	6,545	6,890	6,920	375	5.73%	0.83%	30	0.44%
Wickenburg	6,363	6,743	6,978	615	9.67%	0.93%	235	3.49%
Maricopa County Portion	6,363	6,693	6,832	469	7.37%	0.81%	139	2.08%
Yavapai County Portion	0	50	146	146	-	-	96	192.00%
Youngtown	6,156	6,516	6,535	379	6.16%	0.91%	19	0.29%
Unincorporated Maricopa County	272,552	285,339	286,525	13,973	5.13%	0.74%	1,186	0.42%
Unincorporated Pinal County*	178,799	196,888	202,113	23,314	13.04%	1.55%	5,225	2.65%
Portions in MAG MPA	124,428	138,665	142,847	18,419	14.80%	1.75%	4,182	3.02%

Note: Totals may not add due to rounding

* Excludes Gila River portion

Sources: U.S. Census Bureau, Arizona State Demographer's Office, Maricopa Association of Governments (MAG), Central Arizona Governments (CAG)

Estimates for MAG member agencies adopted by MAG Regional Council, December 7, 2016

Pinal County jurisdiction estimates were created in collaboration with CAG staff

Counts for 2015 modified from previous release to reflect Special Census updates

See attached document for methodology

Municipality Population and Housing Unit Update

April 1, 2010 and July 1, 2016
Maricopa Association of Governments

Jurisdiction	Census 2010 (April 1, 2010)				July 1, 2015					July 1, 2015 - June 30, 2016				July 1, 2016 Update				Jurisdiction
	Population			Housing Units	Population			Housing Units	Household population per housing unit	Net Residential Completions	Annexed Housing Units	Annexed Household Population	Change in Group Quarters	Population			Housing Units	
	Total	Household	Group Quarter		Total	Household	Group Quarter							Total	Household	Group Quarter		
Apache Junction	35,840	35,557	283	22,564	38,474	38,163	311	23,414	1.630	148	0	0	11	39,118	38,796	322	23,562	Apache Junction
Maricopa County Portion	294	294	0	293	305	305	0	293	1.041	0	0	0	0	306	306	0	293	Maricopa County Portion
Pinal County Portion	35,546	35,263	283	22,271	38,169	37,858	311	23,121	1.637	148	0	0	11	38,812	38,490	322	23,269	Pinal County Portion
Avondale	76,238	76,078	160	27,001	79,495	79,355	140	27,147	2.923	118	0	0	-11	80,073	79,944	129	27,265	Avondale
Buckeye	50,876	45,782	5,094	18,207	62,440	56,761	5,679	21,408	2.651	1,032	1	1	150	65,509	59,680	5,829	22,441	Buckeye
Carefree	3,363	3,316	47	2,251	3,552	3,505	47	2,294	1.528	21	0	0	0	3,595	3,548	47	2,315	Carefree
Cave Creek	5,015	5,015	0	2,579	5,471	5,471	0	2,709	2.020	5	0	0	0	5,498	5,498	0	2,714	Cave Creek
Chandler	236,326	235,780	546	94,472	245,820	245,355	465	99,838	2.458	1,617	1	0	-9	250,547	250,091	456	101,456	Chandler
El Mirage	31,797	31,784	13	11,326	33,597	33,584	13	11,537	2.911	39	0	0	0	33,814	33,801	13	11,576	El Mirage
Florence	25,536	7,836	17,700	5,224	26,465	9,311	17,154	6,003	1.551	177	0	0	-1,159	25,679	9,684	15,995	6,180	Florence
Fort McDowell	971	971	0	308	1,007	1,007	0	308	3.269	0	0	0	0	1,010	1,010	0	308	Fort McDowell
Fountain Hills	22,489	22,307	182	13,167	23,526	23,344	182	13,279	1.758	23	0	0	0	23,638	23,456	182	13,302	Fountain Hills
Gila Bend	1,922	1,922	0	943	1,992	1,992	0	943	2.112	0	0	0	0	1,998	1,998	0	943	Gila Bend
Gila River	11,712	11,473	239	3,238	11,913	11,674	239	836	13.964	0	0	0	0	11,938	11,699	239	836	Gila River
Maricopa County Portion	2,994	2,984	10	835	3,109	3,099	10	836	3.707	0	0	0	0	3,118	3,108	10	836	Maricopa County Portion
Pinal County Portion*	8,718	8,489	229	2,403	8,804	8,575	229	-	-	-	-	-	0	8,820	8,591	229	-	Pinal County Portion*
Gilbert	208,352	208,048	304	74,870	234,446	233,695	751	83,382	2.803	1,697	0	0	0	239,931	239,180	751	85,079	Gilbert
Glendale	226,721	223,464	3,257	90,505	236,562	233,502	3,060	91,158	2.562	118	0	0	144	237,723	234,519	3,204	91,276	Glendale
Goodyear	65,275	61,447	3,828	25,027	75,535	71,114	4,421	29,041	2.449	962	4,421	0	74	78,189	73,694	4,495	30,003	Goodyear
Guadalupe	5,523	5,508	15	1,376	6,182	6,167	15	1,461	4.221	4	0	0	0	6,218	6,203	15	1,465	Guadalupe
Litchfield Park	5,476	5,439	37	2,716	6,065	6,028	37	2,898	2.080	50	0	0	0	6,188	6,151	37	2,948	Litchfield Park
Maricopa city	43,482	43,482	0	17,240	46,427	46,427	0	18,492	2.511	317	0	0	40	47,746	47,706	40	18,809	Maricopa city
Mesa	439,041	435,503	3,538	201,173	464,492	460,518	3,974	205,058	2.246	728	0	0	-7	467,532	463,565	3,967	205,786	Mesa
Paradise Valley	12,820	12,789	31	5,643	13,779	13,748	31	5,833	2.357	46	0	0	0	13,930	13,899	31	5,879	Paradise Valley
Peoria**	154,058	152,831	1,227	64,814	162,098	159,704	2,394	66,956	2.385	1,566	0	0	0	166,333	163,939	2,394	68,522	Peoria**
Phoenix	1,447,128	1,425,390	21,738	590,612	1,539,133	1,511,233	27,900	603,259	2.505	6,144	0	0	830	1,560,020	1,531,290	28,730	609,403	Phoenix
Queen Creek	26,361	26,345	16	8,557	33,305	32,928	377	10,319	3.191	838	0	0	0	36,096	35,719	377	11,157	Queen Creek
Maricopa County Portion	25,912	25,896	16	8,394	32,853	32,476	377	10,150	3.200	834	0	0	0	35,629	35,252	377	10,984	Maricopa County Portion
Pinal County Portion	449	449	0	163	452	452	0	169	2.675	4	0	0	0	467	467	0	173	Pinal County Portion
Salt River	6,289	6,284	5	2,607	6,692	6,687	5	2,670	2.504	7	0	0	0	6,730	6,725	5	2,677	Salt River
Scottsdale	217,385	216,226	1,159	124,001	232,987	231,850	1,137	128,192	1.809	2,357	0	0	-3	237,969	236,835	1,134	130,549	Scottsdale
Surprise	117,517	117,243	274	52,586	126,593	126,319	274	54,555	2.315	518	0	0	0	128,182	127,908	274	55,073	Surprise
Tempe	161,719	151,531	10,188	73,462	173,267	162,041	11,226	75,676	2.141	1,387	0	0	-157	176,584	165,515	11,069	77,063	Tempe
Tolleson	6,545	6,545	0	2,169	6,890	6,890	0	2,203	3.128	3	0	0	0	6,920	6,920	0	2,206	Tolleson
Wickenburg	6,363	6,174	189	3,617	6,743	6,554	189	3,698	1.772	65	28	103	0	6,978	6,789	189	3,788	Wickenburg
Maricopa County Portion	6,363	6,174	189	3,617	6,693	6,504	189	3,669	1.773	12	25	97	0	6,832	6,643	189	3,706	Maricopa County Portion
Yavapai County Portion	0	0	0	0	50	50	0	29	1.724	53	3	6	0	146	146	0	82	Yavapai County Portion
Youngtown	6,156	5,953	203	2,831	6,516	6,313	203	2,896	2.180	0	0	0	0	6,535	6,332	203	2,896	Youngtown
Unincorporated Maricopa County	272,552	271,436	1,116	141,494	285,339	284,223	1,116	142,665	1.992	208	-27	-98	0	286,525	285,409	1,116	142,846	Unincorporated Maricopa County
Unincorporated Pinal County***	178,799	178,347	452	78,056	196,888	196,146	742	85,258	2.401	1,327	0	0	-72	202,113	201,443	670	86,585	Unincorporated Pinal County***

Note: Totals may not add due to rounding

* Residential Completions and housing units for Pinal County portion of Gila River Indian Community are included in Unincorporated Pinal County

**Includes Maricopa County portion only

*** Unincorporated Pinal County includes portions outside the MAG Planning Area

Sources: U.S. Census Bureau, Arizona State Demographer's Office, Maricopa Association of Governments (MAG), Central Arizona Governments (CAG)

Estimates for MAG member agencies adopted by MAG Regional Council, December 7, 2016

Pinal County jurisdiction estimates were created in collaboration with CAG staff

Counts for 2015 modified from previous release to reflect Special Census updates

See attached document for methodology

County-level estimates

County level estimates are produced by the State Demographer’s Office in the Office of Economic Opportuning (OEO) and serve as control totals for estimating household population at the jurisdiction-level. Estimates are generated using the Composite Method, wherein administrative data is tracked and applied to age-specific cohorts. The Composite Method methods relies on the following data sources:

Population cohort	Data sources
Age 0 – 4	Births in last 5 years Deaths among 0-4 year olds in last 5 years
Age 5 – 17	October 1 school enrollment counts from Arizona Department of Education (ADE)
Age 18-64	Active drivers licenses and ID cards from MVD
Age 65+	Social security enrollment Medicare enrollment

Jurisdiction-level estimates

The following describes the methodology applied to allocate county-level estimates to jurisdictions. This includes steps needed to account for special censuses conducted by Buckeye, Chandler, Gilbert, Goodyear, Maricopa (city) and Peoria.

1) Roll-back special census counts from October 1, 2015 to July 1, 2015

This step estimates what the special census counts would be had they been conducted for July 1, 2015. The methodology is as follows:

- 1) Calculate persons in households per residential unit from special census results.
- 2) Collect residential completions for July 1, 2015 to September 30, 2015.
- 3) Estimate household population added from July 1 to October 1 by multiplying net completions by the household persons per residential unit factor.
- 4) Subtract the July 1 to October 1 estimated growth from the special census counts.

2) Revise OEO/MAG population estimates for July 1, 2015

This step reconciles the special counts for jurisdictions that conducted a special census with those that did not, while maintaining the county composite totals. These revised estimates serve as the base for estimates for 2016 (and later) until 2020 Census results are released. The methodology is as follows:

- 1) Begin with the adopted July 1, 2015 place estimates.
- 2) For jurisdictions that conducted a special census, replace estimates with adjusted special census counts for residential units, group quarters population, household population and total population as obtained through steps in Section 1.
- 3) Calculate a revised county-level group quarters population total. This is obtained by adding the sum of the special census group quarters counts to the sum of the group quarters estimates for cities that did not conduct a special census.
- 4) Calculate a revised county-level household population total. This is obtained by subtracting the revised group quarter population from the total population.
- 5) Adjust household population totals to match the county-level household population total. For cities that conducted a special census, this will be proportional to the rolled backs special census counts derived in Step 1. For cities that did not conduct a special census, this will be proportional to the original estimates.

3) Recalculate HUM factors

Typically, the housing unit method (HUM) is applied by multiplying the housing stock by the occupancy rate and persons per households from the previous census. However, given that the base itself has been adjusted we are proposing using a simpler persons in households per residential unit factor, calculated directly from the revised July 1, 2015 base, derived in Step 2. This is simply the household population for the revised base divided by the residential units in the revised base.

4) Estimate jurisdiction population for July 1, 2016

To obtain OEO/MAG estimates for July 1, 2016:

- 1) Collect residential completions, group quarters facility changes and annexations for July 1, 2015 to June 30, 2016. Update counts for residential units, annexed residential units and annexed population.
- 2) Update the group quarters population by calculating the change in tracked group quarters facilities from July 1, 2015 to July 1, 2016 and adding it to the estimated group quarters population for July 1, 2015.
- 3) Obtain the un-constrained household population by multiplying the non-annexed housing units by the household population per residential unit factor and adding this to the annexed population.
- 4) Bench the unconstrained household population to match the county-level household population control.
- 5) Obtain a final population by adding group quarter populations and household populations.