

Population Update Census 2010 and July 1, 2015

	July 1, 2010	July 1, 2015	Change
Maricopa County	3,817,117	4,076,438	259,321
Pinal County	375,770	406,468	30,698
In MAG MPA	238,159	260,357	22,198
Yavapai County	211,033	217,778	6,745
In MAG MPA	7	25	18
MAG MPA total	4,055,283	4,336,820	281,537

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

Estimates for MAG member jurisdictions adopted by MAG Regional Council, December 16, 2015

Pinal County jurisdiction estimates were created in collaboration with CAG staff

See attached document for methodology

Jurisdiction Population Update
Census 2010 and July 1, 2015

Jurisdiction	Total Population			Percent Change	
	April 1, 2010 (Census 2010)	July 1, 2015	Change	Overall	Annual
Apache Junction	35,840	38,437	2,597	7.25%	1.34%
Maricopa County portion	294	303	9	3.06%	0.58%
Pinal County portion	35,546	38,134	2,588	7.28%	1.35%
Avondale	76,238	78,885	2,647	3.47%	0.65%
Buckeye	50,876	61,173	10,297	20.24%	3.57%
Carefree	3,363	3,525	162	4.82%	0.90%
Cave Creek	5,015	5,429	414	8.26%	1.52%
Chandler^	236,326	255,073	18,747	7.93%	1.46%
El Mirage	31,797	33,339	1,542	4.85%	0.91%
Florence	25,536	26,410	874	3.42%	0.64%
Fort McDowell	971	999	28	2.88%	0.54%
Fountain Hills	22,489	23,346	857	3.81%	0.71%
Gila Bend	1,922	1,977	55	2.86%	0.54%
Gila River	11,712	11,899	187	1.60%	0.30%
Maricopa County portion	2,994	3,085	91	3.04%	0.57%
Pinal County portion	8,718	8,814	96	1.10%	0.21%
Gilbert^	208,352	242,857	34,505	16.56%	2.96%
Glendale	226,721	234,766	8,045	3.55%	0.67%
Goodyear	65,275	77,776	12,501	19.15%	3.39%
Guadalupe	5,523	6,135	612	11.08%	2.02%
Litchfield Park	5,476	6,019	543	9.92%	1.82%
Maricopa	43,482	48,374	4,892	11.25%	2.05%
Mesa	439,041	460,950	21,909	4.99%	0.93%
Paradise Valley	12,820	13,673	853	6.65%	1.23%
Peoria	154,065	167,547	13,482	8.75%	1.61%
Maricopa County portion	154,058	167,540	13,482	8.75%	1.61%
Yavapai County portion	7	7	0	0.00%	0.00%
Phoenix^	1,447,128	1,527,509	80,381	5.55%	1.03%
Queen Creek	26,361	33,967	7,606	28.85%	4.95%
Maricopa County portion	25,912	33,492	7,580	29.25%	5.01%
Pinal County portion	449	475	26	5.79%	1.08%
Salt River	6,289	6,641	352	5.60%	1.04%
Scottsdale	217,385	231,204	13,819	6.36%	1.18%
Surprise	117,517	125,621	8,104	6.90%	1.28%
Tempe	161,719	172,021	10,302	6.37%	1.18%
Tolleson	6,545	6,837	292	4.46%	0.83%
Wickenburg	6,363	6,661	298	4.68%	0.88%
Maricopa County portion	6,363	6,643	280	4.40%	0.82%
Yavapai County portion	0	18	18	-	-
Youngtown	6,156	6,467	311	5.05%	0.94%
Unincorporated Maricopa County	272,552	283,153	10,601	3.89%	0.73%
Unincorporated Pinal County**	178,799	196,111	17,312	9.68%	1.78%
Portions in MAG MPA	124,428	138,150	13,722	11.03%	2.01%

Note: Totals may not add due to rounding

** Excludes Gila River portion

^ Census 2010 counts adjusted to reflect Census Count Question Resolutions

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

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Municipality Population and Housing Unit Update

April 1, 2010 and July 1, 2015
Maricopa Association of Governments

Jurisdiction	Census 2010 (April 1 2010)							April 1 2010 - June 30 2015					July 1, 2014 Update		July 1, 2015 Update			Jurisdiction	
	Population			Housing Units		Occupancy Rate	Persons per Occupied Units	Residential Completions	Residential Demolitions	Annexed Housing Units	Annexed Household Population	Change in Group Quarters	Housing Units	Total Population	Total Housing Units	Population			
	Total	Household	Group Quarter	Total	Occupied											Household	Group Quarter		Total
Apache Junction	35,840	35,557	283	22,564	15,574	69.02%	2.28	918	65	8	16	28	23,308	37,639	23,425	38,126	311	38,437	Apache Junction
Maricopa County Portion	294	294	0	293	210	71.67%	1.40	0	0	0	0	0	293	300	293	303	0	303	Maricopa County Portion
Pinal County Portion	35,546	35,263	283	22,271	15,364	68.99%	2.30	918	65	8	16	28	23,015	37,339	23,132	37,823	311	38,134	Pinal County Portion
Avondale	76,238	76,078	160	27,001	23,386	86.61%	3.25	164	18	0	0	-20	27,100	78,090	27,147	78,745	140	78,885	Avondale
Buckeye	50,876	45,782	5,094	18,207	14,424	79.22%	3.17	3,116	0	8	16	524	20,625	58,795	21,331	55,555	5,618	61,173	Buckeye
Carefree	3,363	3,316	47	2,251	1,654	73.48%	2.00	43	0	0	0	0	2,265	3,453	2,294	3,478	47	3,525	Carefree
Cave Creek	5,015	5,015	0	2,579	2,150	83.37%	2.33	132	3	1	0	0	2,694	5,354	2,709	5,429	0	5,429	Cave Creek
Chandler	236,326	235,780	546	94,472	86,992	92.08%	2.71	4,561	60	11	34	15	97,587	249,423	98,984	254,512	561	255,073	Chandler
El Mirage	31,797	31,784	13	11,326	9,416	83.14%	3.38	214	3	0	0	0	11,465	32,857	11,537	33,326	13	33,339	El Mirage
Florence	25,536	7,836	17,700	5,224	3,330	63.74%	2.35	754	2	0	0	-546	5,839	26,828	5,976	9,256	17,154	26,410	Florence
Fort McDowell	971	971	0	308	283	91.88%	3.43	0	0	0	0	0	308	991	308	999	0	999	Fort McDowell
Fountain Hills	22,489	22,307	182	13,167	10,339	78.52%	2.16	112	0	0	0	0	13,242	23,090	13,279	23,164	182	23,346	Fountain Hills
Gila Bend	1,922	1,922	0	943	664	70.41%	2.89	0	0	0	0	0	943	1,960	943	1,977	0	1,977	Gila Bend
Gila River	11,712	11,473	239	3,238	2,982	92.09%	3.85	-	-	-	-	-	-	11,857	-	11,660	239	11,899	Gila River
Maricopa County Portion	2,994	2,984	10	835	748	89.58%	3.99	1	0	0	0	0	836	3,059	836	3,075	10	3,085	Maricopa County Portion
Pinal County Portion*	8,718	8,489	229	2,403	2,234	92.97%	3.80	-	-	-	-	-	-	8,798	-	8,585	229	8,814	Pinal County Portion*
Gilbert	208,352	208,048	304	74,870	69,335	92.61%	3.00	9,529	18	3	5	0	82,463	235,493	84,384	242,553	304	242,857	Gilbert
Glendale	226,721	223,464	3,257	90,505	79,114	87.41%	2.82	694	41	0	0	-197	91,144	232,680	91,158	231,706	3,060	234,766	Glendale
Goodyear	65,275	61,447	3,828	25,027	21,491	85.87%	2.86	3,864	3	0	0	483	28,004	74,743	28,888	73,465	4,311	77,776	Goodyear
Guadalupe	5,523	5,508	15	1,376	1,292	93.90%	4.26	85	0	0	0	0	1,461	6,084	1,461	6,120	15	6,135	Guadalupe
Litchfield Park	5,476	5,439	37	2,716	2,263	83.32%	2.40	187	5	0	0	0	2,860	5,893	2,898	5,982	37	6,019	Litchfield Park
Maricopa	43,482	43,482	0	17,240	14,359	83.29%	3.03	1,330	0	0	0	12	18,316	46,708	18,570	48,362	12	48,374	Maricopa
Mesa	439,041	435,503	3,538	201,173	165,374	82.20%	2.63	3,567	55	373	497	436	204,340	455,567	205,058	456,976	3,974	460,950	Mesa
Paradise Valley	12,820	12,789	31	5,643	4,860	86.12%	2.63	190	0	0	0	0	5,788	13,457	5,833	13,642	31	13,673	Paradise Valley
Peoria**	154,058	152,831	1,227	64,814	57,454	88.64%	2.66	3,572	4	5	14	0	67,405	163,832	68,387	166,313	1,227	167,540	Peoria**
Phoenix	1,447,128	1,425,390	21,738	590,612	515,208	87.23%	2.77	13,390	748	5	18	6,162	600,589	1,506,439	603,259	1,499,609	27,900	1,527,509	Phoenix
Queen Creek	26,361	26,345	16	8,557	7,720	90.22%	3.41	2,104	0	2	4	0	10,042	31,767	10,663	33,951	16	33,967	Queen Creek
Maricopa County Portion	25,912	25,896	16	8,394	7,569	90.17%	3.42	2,100	0	2	4	0	9,878	31,308	10,496	33,476	16	33,492	Maricopa County Portion
Pinal County Portion	449	449	0	163	151	92.64%	2.97	4	0	0	0	0	164	459	167	475	0	475	Pinal County Portion
Salt River	6,289	6,284	5	2,607	2,198	84.31%	2.86	63	0	0	0	0	2,658	6,557	2,670	6,636	5	6,641	Salt River
Scottsdale	217,385	216,226	1,159	124,001	101,273	81.67%	2.14	4,279	88	0	0	-22	126,139	225,698	128,192	230,067	1,137	231,204	Scottsdale
Surprise	117,517	117,243	274	52,586	43,272	82.29%	2.71	2,006	37	0	0	0	54,207	123,797	54,555	125,347	274	125,621	Surprise
Tempe	161,719	151,531	10,188	73,462	66,000	89.84%	2.30	2,246	32	0	0	1,038	75,176	169,529	75,676	160,795	11,226	172,021	Tempe
Tolleson	6,545	6,545	0	2,169	1,959	90.32%	3.34	35	1	0	0	0	2,202	6,777	2,203	6,837	0	6,837	Tolleson
Wickenburg**	6,363	6,174	189	3,617	2,909	80.43%	2.12	20	0	32	60	0	3,666	6,584	3,669	6,454	189	6,643	Wickenburg**
Youngtown	6,156	5,953	203	2,831	2,470	87.25%	2.41	65	0	0	0	0	2,896	6,415	2,896	6,264	203	6,467	Youngtown
Unincorporated Maricopa County	272,552	271,436	1,116	141,494	117,276	82.88%	2.31	1,614	3	-440	-648	0	142,470	280,426	142,665	282,037	1,116	283,153	Unincorporated Maricopa County
Unincorporated Pinal County***	178,799	178,347	452	78,056	63,224	81.00%	2.82	4,761	146	-15	-31	290	84,137	190,417	85,059	195,369	742	196,111	Unincorporated Pinal County***

Note: Totals may not add due to rounding

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

** 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)

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Methodology for Preparing July 1, 2015 Municipality Population Updates

1. Prepare Census Data

Using the Census 2010 as the Base, determine the April 1, 2010 household population, group quarter population, total housing units, occupied housing units, occupancy rates and population per occupied unit for total units for each jurisdiction. Adjust the original census counts to reflect results of the Census Count Question Resolution (CQR) Program.

2. Collect New Data

Obtain the residential housing unit completions and demolitions for the time period from July 1, 2014 through June 30, 2015 from member agencies.

Obtain annexed and de-annexed housing unit data from member agencies. Determine population change from annexations/de-annexations using persons per household and occupancy rates from the Census 2010 blocks intersecting each annexed/de-annexed area.

Obtain July 1, 2015 group quarters population from survey of member agencies. Subtract the April 1, 2010 group quarter count from the July 1, 2015 to obtain the change in group quarter population.

Data for municipalities in Maricopa County were collected by MAG. Data for municipalities in Pinal County were collected by Central Arizona Governments (CAG).

3. Calculate July 1, 2015 Housing Units

Calculate the July 1, 2015 total housing stock by municipality by adding the net housing units (completions minus demolitions) and the net housing units annexed from step 2 above to the Census base.

4. Calculate July 1, 2015 Resident Population

Calculate the updated household population using the Housing Unit Method (HUM). For Maricopa County, calculate change in the household population by multiplying the annual change in the housing stock of non-annexed units by the respective occupancy rates and persons per occupied unit by municipality. Then add the estimated household population change to the annexed population for each municipality and estimated household population for the previous year. For Pinal County, estimate the household population by multiplying the total non-annexed housing stock by the respective occupancy rates and persons per occupied unit by municipality and adding to annexed population estimates. Occupancy rates and persons per occupied unit by municipality were taken from Census 2010 for both counties.

Bench the residential population in households to the county control totals for population in households from Arizona State Demographer's Office (SDO) to obtain July 1, 2015 population in households. Benching is necessary when the MAG derived total population does not match the control total obtained from SDO. The household population difference

is distributed proportional to the pre-beneched household population results for July 1, 2015.

Calculate the total resident population for July 1, 2015 by adding the July 1, 2015 group quarter population from step 2 to the July 1, 2015 household population.

5. Estimating Unincorporated Pinal County population within MAG MPA

Housing completion, annexation and group quarters data are provided by CAG for the entire unincorporated area. Therefore populations are first estimated for the entire unincorporated area and then distributed to (a) portions within the Gila River Indian Community and (b) unincorporated portions within the MAG planning area. The Gila River population is estimated by applying a historic annual growth rate. The unincorporated population within the MAG planning area is distributed by applying the share of housing completions observed from April 1, 2010 to June 30, 2014, to the total unincorporated population and then subtracting the estimated Gila River population.