



**Preliminary**

**Estimates of the Total Populations of Counties in Texas  
for July 1, 2016**

Produced by:

Dr. Helen You  
Dr. Lloyd Potter  
and

The Population Estimates and Projections Program  
Texas Demographic Center  
The University of Texas at San Antonio

May 2018

## Introduction

---

The estimates of the total population for counties in Texas for July 1, 2016 are completed by personnel from the Texas Demographic Center at The University of Texas at San Antonio. In this brief report, the methodology used to prepare the estimates is described. Because of space limitations, only a summary of the methodology is presented. Those wishing to obtain a more complete description of the estimation procedures and of the historical and sensitivity analyses used to select the methods employed in these estimates should contact program personnel in the Texas Demographic Center at The University of Texas at San Antonio.

## Methodology for County Estimates

---

Population estimates for counties are completed using three methods, including: ratio-correlation, component-method II, and housing-unit methods. These methods and the types of data used for each are discussed below.

Ratio-correlation procedures utilize multiple regression techniques with the ratio of variable values for adjacent time periods rather than simply the variable values themselves being used as independent and dependent variables. After an extensive evaluation of the relative accuracy of alternative procedures (including difference-rate, ratio-correlation, and rate-correlation methods) and an analysis of alternative variables, a simple ratio-correlation model was employed to complete the final estimates. This model used the variables of births, deaths, elementary school enrollment, vehicle registration, and voter registration.

The component-method II procedure employed utilizes data on births, deaths and elementary school enrollment to estimate population. In this method, migration of the school-age population is assumed to be indicative of migration in the total population (with adjustments being made for the historical differences between the school-age migration rate and the total population's rate of migration). Data on public school enrollment from the Texas Education Agency and data from the Texas Demographic Center's survey of private schools in Texas are used to estimate change in the school-age population. Data on institutional populations were obtained from applicable institutions, while data on other special populations, such as the elderly population, utilize Medicare enrollment acquired from the Centers for Medicare and Medicaid Services in the U.S. Department of Health and Human Services.

The housing-unit method used is of the standard form with change in the number of housing units in the housing stock of an area, from the base date (in this case, the 2010 Census) to the estimate date (in this case, July 1, 2016), being used to estimate population change. New housing additions and demolitions are taken from the U.S. Census Bureau survey of building permits and demolitions and the Texas Demographic Center's survey of counties and cities issuing permits for residential buildings and demolitions. Both the U.S. Census Bureau's building permit survey and the Texas Demographic

Center's survey can only collect data from permit issuing county and city jurisdictions (methods for dealing with non-permit issuing places are discussed later). Assumptions about vacancy rates and average household size are then used in conjunction with data on the number of housing units in an estimate area (including those in the area at the base date and the net number of units added to, or subtracted from, the base housing stock for the time period between the base date and the estimate date). Separate estimates are completed by type of structure with the types used being single-family structures, 2 to 4 unit structures, structures with 5 or more units, and manufactured HUD inspected/mobile homes. For purposes of the 2016 estimates, vacancy rates and average household sizes for each of the housing structure types from the U.S. Census Bureau's American Community Survey (ACS) 2015 5-year Summary File were used. For 2016, the estimates of the number of new manufactured HUD inspected/mobile homes added to an area's housing stock were obtained from the Texas Demographic Center's survey of building permits and demolitions. The sum of manufactured HUD inspected/mobile homes from the survey was subtracted from the U.S. Census Bureau's estimate of the total number of manufactured HUD inspected/mobile homes shipped to Texas. The difference was allocated to jurisdictions on the basis of the change in units in jurisdictions for other housing types from 2000 through 2010, to estimate the distribution for July 1, 2016.

Prior to the release of these estimates, county estimates are evaluated for consistency and reasonableness by the Texas Demographic Center and external reviewers from other State and local agencies. While generally the housing-unit population estimate is used as the population estimate for July 1, 2016, when estimates appeared to be inconsistent with other indicators of population and population change, an estimate produced using another method (i.e., component-method II, ratio-correlation method, or an average of methods) could be selected as the estimate for July 1, 2016. The total of all county estimates are then controlled to the July 1, 2016 estimate for the State obtained from the U.S. Census Bureau.

## Comparisons to U.S. Census Bureau Estimates

---

The estimates presented here differ from those from other sources, such as those periodically produced by the U.S. Census Bureau, for several reasons. These estimates have been made using techniques that are different than those used by the Census Bureau. The Census Bureau uses only the distributive housing unit method to estimate place populations and the administrative records method to estimate county populations. Because the administrative records method uses income tax data that are not available to analysts outside the Census Bureau, this technique cannot be used by other agencies. In addition, the estimates reported in the following pages utilize more recent data than those used by the U.S. Census Bureau. The Census Bureau's county estimates utilize 2015 birth and death data, whereas 2016 values were employed in the Texas Demographic Center estimates reported here. Finally, the Census Bureau estimates include legal boundary updates reported before January 1, 2016 but do not include more recent information for places, whereas information on annexation and boundary changes through the 2016 calendar year were included in the estimates

completed by the Texas program. Because of these differences, the population estimates presented here and those from the U.S. Census Bureau are not directly comparable.

If you have any questions concerning these estimates, please contact:

**Dr. Helen You or Dr. Lloyd Potter**

Texas Demographic Center  
The University of Texas at San Antonio  
501 W. César E. Chávez Blvd.  
San Antonio, Texas 78207-4415

Ph: 210-458-6530

Fx: 210-458-6540

[tdc@utsa.edu](mailto:tdc@utsa.edu)

<http://demographics.texas.gov>

# Preliminary

Table 1

Texas State Data Center Population Estimates Program July 1, 2016 Estimates of the Total Population of Counties and 2010-2016 Population Change for All Counties in Texas

County	Revised 2010 Census Count	July 1, 2016 Population Estimate	Numerical Change 2010-16	Percent Change 2010-16
Anderson	58,458	58,305	-153	-0.3
Andrews	14,786	17,829	3,043	20.6
Angelina	86,771	90,652	3,881	4.5
Aransas	23,158	25,234	2,076	9.0
Archer	9,054	9,123	69	0.8
Armstrong	1,901	1,904	3	0.2
Atascosa	44,911	49,086	4,175	9.3
Austin	28,417	30,565	2,148	7.6
Bailey	7,165	7,159	-6	-0.1
Bandera	20,485	21,897	1,412	6.9
Bastrop	74,171	85,193	11,022	14.9
Baylor	3,726	3,761	35	0.9
Bee	31,861	32,910	1,049	3.3
Bell	310,235	341,417	31,182	10.1
Bexar	1,714,773	1,918,444	203,671	11.9
Blanco	10,497	11,403	906	8.6
Borden	641	658	17	2.7
Bosque	18,212	18,525	313	1.7
Bowie	92,565	96,524	3,959	4.3
Brazoria	313,166	351,994	38,828	12.4
Brazos	194,851	219,920	25,069	12.9
Brewster	9,232	9,257	25	0.3
Briscoe	1,637	1,404	-233	-14.2
Brooks	7,223	7,175	-48	-0.7
Brown	38,106	39,080	974	2.6
Burleson	17,187	18,171	984	5.7
Burnet	42,750	46,447	3,697	8.6
Caldwell	38,066	40,519	2,453	6.4
Calhoun	21,381	21,698	317	1.5
Callahan	13,544	14,147	603	4.5
Cameron	406,220	423,998	17,778	4.4
Camp	12,401	12,778	377	3.0
Carson	6,182	6,098	-84	-1.4
Cass	30,464	30,867	403	1.3
Castro	8,062	7,594	-468	-5.8
Chambers	35,096	40,863	5,767	16.4
Cherokee	50,845	52,278	1,433	2.8
Childress	7,041	6,937	-104	-1.5
Clay	10,752	10,465	-287	-2.7
Cochran	3,127	3,011	-116	-3.7
Coke	3,320	3,245	-75	-2.3
Coleman	8,895	8,657	-238	-2.7
Collin	782,341	959,054	176,713	22.6
Collingsworth	3,057	2,950	-107	-3.5
Colorado	20,874	21,934	1,060	5.1
Comal	108,472	134,668	26,196	24.2
Comanche	13,974	13,865	-109	-0.8

County	Revised 2010 Census Count	July 1, 2016 Population Estimate	Numerical Change 2010-16	Percent Change 2010-16
Concho	4,087	4,168	81	2.0
Cooke	38,437	39,545	1,108	2.9
Coryell	75,388	75,948	560	0.7
Cottle	1,505	1,431	-74	-4.9
Crane	4,375	4,886	511	11.7
Crockett	3,719	3,649	-70	-1.9
Crosby	6,059	5,908	-151	-2.5
Culberson	2,398	2,233	-165	-6.9
Dallam	6,703	7,193	490	7.3
Dallas	2,368,139	2,591,002	222,863	9.4
Dawson	13,833	13,436	-397	-2.9
Deaf Smith	19,372	19,567	195	1.0
Delta	5,231	5,211	-20	-0.4
Denton	662,614	805,292	142,678	21.5
De Witt	20,097	20,960	863	4.3
Dickens	2,444	2,131	-313	-12.8
Dimmit	9,996	10,459	463	4.6
Donley	3,677	3,463	-214	-5.8
Duval	11,782	11,223	-559	-4.7
Eastland	18,583	18,516	-67	-0.4
Ector	137,130	159,974	22,844	16.7
Edwards	2,002	1,876	-126	-6.3
Ellis	149,610	168,716	19,106	12.8
El Paso	800,647	841,570	40,923	5.1
Erath	37,890	41,392	3,502	9.2
Falls	17,866	17,377	-489	-2.7
Fannin	33,915	35,048	1,133	3.3
Fayette	24,554	25,524	970	4.0
Fisher	3,974	3,855	-119	-3.0
Floyd	6,446	5,871	-575	-8.9
Foard	1,336	1,191	-145	-10.9
Fort Bend	585,375	744,199	158,824	27.1
Franklin	10,605	10,757	152	1.4
Freestone	19,816	20,131	315	1.6
Frio	17,217	18,822	1,605	9.3
Gaines	17,526	20,000	2,474	14.1
Galveston	291,309	326,418	35,109	12.1
Garza	6,461	6,389	-72	-1.1
Gillespie	24,837	26,733	1,896	7.6
Glasscock	1,226	1,286	60	4.9
Goliad	7,210	7,742	532	7.4
Gonzales	19,807	20,557	750	3.8
Gray	22,535	22,683	148	0.7
Grayson	120,877	126,364	5,487	4.5
Gregg	121,730	125,907	4,177	3.4
Grimes	26,604	27,647	1,043	3.9
Guadalupe	131,533	156,046	24,513	18.6
Hale	36,273	34,932	-1,341	-3.7
Hall	3,353	3,104	-249	-7.4
Hamilton	8,517	8,686	169	2.0
Hansford	5,613	5,547	-66	-1.2
Hardeman	4,139	3,870	-269	-6.5
Hardin	54,635	58,206	3,571	6.5
Harris	4,092,459	4,565,394	472,935	11.6

County	Revised 2010 Census Count	July 1, 2016 Population Estimate	Numerical Change 2010-16	Percent Change 2010-16
Harrison	65,631	68,716	3,085	4.7
Hartley	6,062	6,342	280	4.6
Haskell	5,899	5,709	-190	-3.2
Hays	157,107	201,588	44,481	28.3
Hemphill	3,807	4,048	241	6.3
Henderson	78,532	81,750	3,218	4.1
Hidalgo	774,773	855,229	80,456	10.4
Hill	35,089	35,785	696	2.0
Hockley	22,935	23,462	527	2.3
Hood	51,182	56,616	5,434	10.6
Hopkins	35,161	36,498	1,337	3.8
Houston	23,732	23,370	-362	-1.5
Howard	35,012	36,192	1,180	3.4
Hudspeth	3,476	3,673	197	5.7
Hunt	86,129	90,920	4,791	5.6
Hutchinson	22,150	21,541	-609	-2.7
Irion	1,599	1,671	72	4.5
Jack	9,044	9,189	145	1.6
Jackson	14,075	14,762	687	4.9
Jasper	35,710	35,572	-138	-0.4
Jeff Davis	2,342	2,296	-46	-2.0
Jefferson	252,273	248,797	-3,476	-1.4
Jim Hogg	5,300	5,184	-116	-2.2
Jim Wells	40,838	39,882	-956	-2.3
Johnson	150,934	165,405	14,471	9.6
Jones	20,202	19,997	-205	-1.0
Karnes	14,824	15,510	686	4.6
Kaufman	103,350	119,025	15,675	15.2
Kendall	33,410	42,324	8,914	26.7
Kenedy	416	418	2	0.5
Kent	808	813	5	0.6
Kerr	49,625	51,631	2,006	4.0
Kimble	4,607	4,606	-1	0.0
King	286	299	13	4.5
Kinney	3,598	3,710	112	3.1
Kleberg	32,061	31,462	-599	-1.9
Knox	3,719	3,562	-157	-4.2
Lamar	49,793	50,653	860	1.7
Lamb	13,977	13,114	-863	-6.2
Lampasas	19,677	20,899	1,222	6.2
La Salle	6,886	7,620	734	10.7
Lavaca	19,263	19,709	446	2.3
Lee	16,612	17,092	480	2.9
Leon	16,801	17,407	606	3.6
Liberty	75,643	80,699	5,056	6.7
Limestone	23,384	24,012	628	2.7
Lipscomb	3,302	3,453	151	4.6
Live Oak	11,531	11,794	263	2.3
Llano	19,301	19,980	679	3.5
Loving	82	81	-1	-1.2
Lubbock	278,831	301,706	22,875	8.2
Lynn	5,915	5,997	82	1.4
McCulloch	8,283	8,244	-39	-0.5
McLennan	234,906	251,352	16,446	7.0

County	Revised 2010 Census Count	July 1, 2016 Population Estimate	Numerical Change 2010-16	Percent Change 2010-16
McMullen	707	866	159	22.5
Madison	13,664	14,273	609	4.5
Marion	10,546	10,191	-355	-3.4
Martin	4,799	5,622	823	17.1
Mason	4,012	4,094	82	2.0
Matagorda	36,702	36,489	-213	-0.6
Maverick	54,258	56,956	2,698	5.0
Medina	46,006	50,502	4,496	9.8
Menard	2,242	2,289	47	2.1
Midland	136,872	162,105	25,233	18.4
Milam	24,757	24,445	-312	-1.3
Mills	4,936	5,028	92	1.9
Mitchell	9,403	8,698	-705	-7.5
Montague	19,719	19,717	-2	0.0
Montgomery	455,746	557,340	101,594	22.3
Moore	21,904	22,722	818	3.7
Morris	12,934	12,942	8	0.1
Motley	1,210	1,112	-98	-8.1
Nacogdoches	64,524	65,596	1,072	1.7
Navarro	47,735	49,338	1,603	3.4
Newton	14,445	13,969	-476	-3.3
Nolan	15,216	14,545	-671	-4.4
Nueces	340,223	361,556	21,333	6.3
Ochiltree	10,223	10,742	519	5.1
Oldham	2,052	2,068	16	0.8
Orange	81,837	84,219	2,382	2.9
Palo Pinto	28,111	28,600	489	1.7
Panola	23,796	24,145	349	1.5
Parker	116,927	132,602	15,675	13.4
Parmer	10,269	9,882	-387	-3.8
Pecos	15,507	15,908	401	2.6
Polk	45,413	48,271	2,858	6.3
Potter	121,073	123,622	2,549	2.1
Presidio	7,818	7,518	-300	-3.8
Rains	10,914	11,249	335	3.1
Randall	120,725	133,520	12,795	10.6
Reagan	3,367	3,685	318	9.4
Real	3,309	3,462	153	4.6
Red River	12,860	11,870	-990	-7.7
Reeves	13,783	14,576	793	5.8
Refugio	7,383	7,375	-8	-0.1
Roberts	929	924	-5	-0.5
Robertson	16,622	17,518	896	5.4
Rockwall	78,337	93,991	15,654	20.0
Runnels	10,501	10,398	-103	-1.0
Rusk	53,330	53,886	556	1.0
Sabine	10,834	11,060	226	2.1
San Augustine	8,865	8,355	-510	-5.8
San Jacinto	26,384	27,748	1,364	5.2
San Patricio	64,804	66,237	1,433	2.2
San Saba	6,131	6,219	88	1.4
Schleicher	3,461	3,172	-289	-8.4
Scurry	16,921	17,520	599	3.5
Shackelford	3,378	3,398	20	0.6



County	Revised 2010 Census Count	July 1, 2016 Population Estimate	Numerical Change 2010-16	Percent Change 2010-16
Shelby	25,448	25,438	-10	0.0
Sherman	3,034	3,171	137	4.5
Smith	209,714	224,401	14,687	7.0
Somervell	8,490	9,000	510	6.0
Starr	60,968	64,071	3,103	5.1
Stephens	9,630	9,882	252	2.6
Sterling	1,143	1,346	203	17.8
Stonewall	1,490	1,452	-38	-2.6
Sutton	4,128	4,039	-89	-2.2
Swisher	7,854	7,463	-391	-5.0
Tarrant	1,809,034	1,984,677	175,643	9.7
Taylor	131,506	137,289	5,783	4.4
Terrell	984	853	-131	-13.3
Terry	12,651	12,766	115	0.9
Throckmorton	1,641	1,517	-124	-7.6
Titus	32,334	33,746	1,412	4.4
Tom Green	110,224	117,944	7,720	7.0
Travis	1,024,266	1,194,552	170,286	16.6
Trinity	14,585	14,441	-144	-1.0
Tyler	21,766	22,003	237	1.1
Upshur	39,309	40,795	1,486	3.8
Upton	3,355	3,573	218	6.5
Uvalde	26,405	27,608	1,203	4.6
Val Verde	48,879	47,874	-1,005	-2.1
Van Zandt	52,579	54,550	1,971	3.7
Victoria	86,793	92,313	5,520	6.4
Walker	67,861	71,877	4,016	5.9
Waller	43,205	49,448	6,243	14.4
Ward	10,658	11,181	523	4.9
Washington	33,718	35,265	1,547	4.6
Webb	250,304	275,040	24,736	9.9
Wharton	41,280	41,103	-177	-0.4
Wheeler	5,410	5,538	128	2.4
Wichita	131,500	133,445	1,945	1.5
Wilbarger	13,535	12,513	-1,022	-7.6
Willacy	22,134	22,016	-118	-0.5
Williamson	422,679	514,534	91,855	21.7
Wilson	42,918	48,676	5,758	13.4
Winkler	7,110	7,908	798	11.2
Wise	59,127	64,218	5,091	8.6
Wood	41,964	44,003	2,039	4.9
Yoakum	7,879	8,823	944	12.0
Young	18,550	18,807	257	1.4
Zapata	14,018	14,237	219	1.6
Zavala	11,677	12,001	324	2.8
State of Texas	25,145,565	27,862,596	2,717,031	10.8

Source: Texas Demographic Center, Population Estimates and Projections Program