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BUREAU OF THE CENSUS

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Population Estimates and Projections

1977 Population Estimates for Counties and Incorporated Places in New Mexico

This report is one of a series containing current estimates of the total July 1, 1977, population for all general purpose governmental units in each State. The preparation of current population estimates below the county level was prompted by the State and Local Fiscal Assistance Act of 1972. The estimates shown here also reflect changes made during the review of the figures with local officials. The figures are used by a wide variety of Federal, State, and local governmental agencies for program planning and administrative purposes. Estimates of per capita income for 1976 were not prepared, but figures for 1977 will appear later in this report series accompanying the 1978 population estimates.

Areas included in this series of reports are all counties (or county equivalents such as census divisions in Alaska, parishes in Louisiana, and independent cities in Maryland, Missouri, Nevada, and Virginia) and incorporated places in the State, plus active minor civil divisions (MCD's), commonly towns in New England, New York, and Wisconsin, or townships in other parts of the United States.¹ These State reports appear in *Current Population Reports*, Series P-25, in alphabetical sequence as report number 814 (Alabama) through number 863 (Wyoming). A list indicating the report number for each State is appended.

The detailed table for each State shows July 1, 1977, estimates of the population of each area, together with April 1, 1970, census population and numerical and percentage change between 1970 and 1977. The 1970 figures reflect annexations since 1970 up to December 31, 1977, and include corrections to the 1970 census counts.

The estimates are presented in the table in county order, with all incorporated places in the county listed in alphabetical order, followed by any functioning minor civil divisions also listed in alphabetical order. Minor civil divisions

are always identified in the listing by the term "township," "town," or other MCD category. When incorporated places fall in more than one county, each county piece is marked "part," and totals for these places are presented at the end of the table.

METHODOLOGY

To estimate the population of each subcounty area, a component procedure (the Administrative Records method) was used, with each of the components of population change (births, deaths, net migration, and special populations) estimated separately. The estimates were derived in four stages, moving from 1970 as a base year to develop estimates for 1973, and, in turn, moving from 1973 as the base year to derive estimates for 1975, from 1975 as the base year for 1976, and from 1976 as the base year for 1977.

Migration. Individual Federal income tax returns were used to measure migration by matching individual returns for successive periods. The places of residence on tax returns filed in the base year and in the estimate year were noted for matched returns to determine immigrants, outmigrants, and nonmigrants for each area. A net migration rate was derived, based on the difference between the immigration and outmigration of taxpayers and dependents, and was applied to a base population to yield an estimate of net migration for all persons in the area.

Natural change. Reported resident birth and death statistics were used, wherever available, to estimate natural change. These data were collected from State health departments and supplemented, where necessary, by data prepared and published by the U.S. Department of Health, Education, and Welfare, National Center for Health Statistics. For subcounty areas where reported birth and death statistics were not available from either source, estimates were developed by applying fertility and mortality rates. These estimates were

¹In certain midwestern States (Illinois, Kansas, Minnesota, Missouri, Nebraska, and the Dakotas), some counties have active minor civil divisions while others do not.

subsequently controlled to agree with birth and death statistics for larger areas where reported data were available.

Adjustment for special populations. In addition to the above components of population change, estimates of special populations were also taken into account. Special populations include immigrants from abroad, members of the Armed Forces living in barracks, residents of institutions (prisons and long-term health care facilities), and college students enrolled in full-time programs. These populations were treated separately because changes in these types of population groups are not reflected in the components of population change developed by standard measures, and the information is generally available for use as an independent series.

Annexations and new incorporations. The 1970 census counts shown in this report reflect all population corrections made to the figures after the initial tabulations. In addition, adjustments for annexations are reflected in the estimates. For new incorporations occurring after 1970, the 1970 population within the boundaries of the new areas is shown in the detailed table.

Other adjustments. For areas where special censuses were conducted at dates that approximate the estimate date, the census results were taken into account in developing the estimates.² In several States, the subcounty estimates developed by the Administrative Records method were averaged with estimates for corresponding geographic areas which were prepared by State agencies participating in the Federal-State Cooperative Program for Local Population Estimates (FSCP). These States include California, Florida, New Jersey, Oregon, Vermont, Washington, and Wisconsin.

Counties. In generating estimates for counties by this procedure, the method was modified slightly to make the county estimates specific to the resident population under 65 years of age. The resident population 65 years old and over in counties was estimated separately by adding the change in Medicare enrollees between April 1, 1970, and July 1 of the estimate year to the April 1, 1970, population 65 years old and over in the county as enumerated in the 1970 census. These estimates of the population 65 years old and over were then added to estimates of the population under 65 years old to yield estimates of the total resident population in each county.

The estimates for the subareas in each county were adjusted to independently derived county estimates. Since all of the data necessary to develop final estimates under the FSCP program are not available at the time subcounty estimates are prepared, only two of the methods relied upon

² Only special censuses conducted by the Bureau of the Census or by the California, Florida, Michigan, Oregon, or Washington State agencies participating in the Federal-State Cooperative Program for Local Population Estimates were used for this purpose. In addition, in a relatively small number of cases where special censuses were conducted by localities, where the procedures and definitions were essentially the same as those used by the Bureau of the Census, the results of these special censuses were also taken into account in preparing the estimates.

in the standard FSCP program of estimates for counties (i.e., Component Method II and the Administrative Records method) were utilized. The 1977 estimates result from adding the average 1976-77 population change indicated by the two methods to the 1976 county population figures contained in **Current Population Reports, Series P-25 and P-26.**³

The county estimates, in turn, were adjusted to be consistent with independent State estimates published by the Bureau of the Census in **Current Population Reports, Series P-25, No. 790**, in which the Administrative Records based estimates were averaged with the estimates prepared using Component Method II and the Regression method.⁴

LIMITATIONS OF THE ESTIMATES

Tests of the accuracy of the methods used to develop State and county population estimates appearing in **Current Population Reports, Series P-25 and P-26** are reported in Series P-25, No. 520 for States and in Series P-26, No. 21 for counties. In summary, the State estimates averaging Component Method II and the Regression method yielded average differences of approximately 1.9 percent when compared to the 1970 census. Subsequent modifications of the two procedures that have been incorporated in preparing estimates for the 1970's would have reduced the average difference in 1970 to 1.2 percent. For counties, the 1970 evaluations indicated an average difference of approximately 4.5 percent for the combination of procedures used. It should be noted that all of the evaluations against the results of the 1970 census concern estimates extending over the entire 10-year period of 1960 to 1970.

Since 1970, however, the Administrative Records method has been introduced with partial weight in the estimates for States and counties, and except for the few States in which local estimates are utilized, carries the full weight for estimates below the county level. The data series upon which the estimates procedure is based has been available as a comprehensive series for the entire United States only since 1967. Nonetheless, several studies have been undertaken evaluating the Administrative Records estimates from the State to the local level. At the Statewide level, little direct testing can be performed due to the lack of special censuses covering entire States. Some sense of the general reasonableness of the Administrative Records estimates may be obtained, however, by reviewing the degree of correspondence between the results of the method against those of the "standard" methods tested in 1970 and already in use to produce State estimates during the 1970's. It must be recognized that the differences between the two sets of estimates may not be interpreted as errors in either set of figures, but may only be used as a partial guide indicating the degree of consistency between the newer Administrative Records system and the established methods.

³ Descriptions of the methodologies are given for each State in the individual Series P-26 or P-25 report for the State.

⁴ For further discussion of the methodologies used in preparing State estimates, see **Current Population Reports, P-25, No. 640.**

Table A presents such a comparison for State estimates referring to July 1, 1977. A rather close agreement may be observed in the estimates for all States at only a 1.1 percent difference. The variation of the Administrative Records method from the average of the other methods does increase for smaller States in a regular pattern, but still reaches an average of only 1.3 percent for the smallest size category. The only consistent variations suggesting a potential for directional bias are indicated in the tendency for larger States to be estimated higher by the Administrative Records procedure than by the other techniques.

A similar comparison may be made at the county level (table B). Although the differences between the FSCP estimates and the Administrative Records results are larger at the county level than for States, the variations are well within the range that would be expected for areas of this population size, and the county pattern matches closely the findings for States. The overall difference for all counties is 2.6 percent, and ranges from 1.5 percent for the larger counties to 8.4 percent for the 26 small counties under 1,000 population. The comparisons indicate virtually no change from similar comparisons for the 1976 estimates. Only the average difference for counties with less than 1,000 population experienced any significant change from the 1976 levels in improving from 10.1 to 8.4 average percent differences.

Three tests of the Administrative Records population estimates against census counts also have been undertaken. First, a limited evaluation involving 24 large areas (16 counties and 8 cities) was conducted on estimates for the 1968-70 period.⁵ Although the test shows the estimates to

⁵ Meyer Zitter and David L. Word, U.S. Bureau of the Census, "Use of Administrative Records for Small Area Population Estimates," unpublished paper prepared for presentation at the annual meeting of the Population Association of America, New Orleans, Louisiana, April 27, 1973.

be quite accurate (1.8 percent difference), the areas may not be assumed to be representative of the 39,000 units of government covered by the Administrative Records estimating system, and the time segment evaluated refers only to a 2-year period.

A more representative group of special censuses in 86 areas selected particularly for evaluation purposes was conducted in 1973. The areas were randomly chosen nationwide to be typical of areas with populations below 20,000 persons. Table C summarizes the average percent difference between the estimates from the Administrative Records method and counts from the 86 special censuses. Overall, the estimates differed from the special census counts by 5.9 percent, with the largest differences occurring in the smallest areas. Areas of between 1,000 and 20,000 population differed by 4.6 percent, while the average difference for the 27 areas below 1,000 population was 8.6 percent. There was a slight positive directional bias, with about 60 percent of the estimates exceeding the census counts. Again, the impact of population size on the expected level of accuracy may be noted. Even though all of the areas in this study are relatively small—less than 20,000 population—the larger ones demonstrate much lower variation from census figures than the smaller ones.

The third evaluation involving census comparisons is currently underway, and is based upon the approximately 2,000 special censuses that have been conducted since 1970 at the request of localities throughout the United States. Such areas constitute a fairly stringent test for any method in that they are generally very small areas, often are experiencing rapid population growth, and frequently are found to have had a vigorous program of annexation since the last census. This evaluation study has not been completed for use here, but will be included in detail as a part of the comprehensive methodology description in *Current Population Reports*, Series P-25, No. 699 (in preparation).

Table A. Percent Difference Between Administrative Records Estimates and the Average of Component Method II and Regression Estimates for States: 1977

(Base is the average of Method II and Regression estimates)

Item	All States	Population size in 1970		
		4 million and over	1.5 to 4 million	Less than 1.5 million
Average percent difference (disregarding sign).....	1.1	0.8	1.2	1.3
Number of States.....	51	16	18	17
With differences of:				
Less than 1 percent.....	21	9	7	5
1 to 2 percent.....	19	6	6	7
2 percent and over.....	11	1	5	5
Where Administrative Records was:				
Higher.....	29	10	9	10
Lower.....	22	6	9	7

Table B. Percent Difference Between Administrative Records Estimates and the Provisional FSCP Estimates for Counties: 1977

(Base is the provisional FSCP estimates for counties)

Item	All counties	Counties with 1,000 or more 1970 population					Counties with less than 1,000 1970 population
		Total	50,000 or more	25,000 to 49,999	10,000 to 24,999	1,000 to 9,999	
Average percent difference (disregarding sign).....	2.6	2.6	1.5	2.1	2.5	3.6	8.4
Number of counties or equivalents.....	3,143	3,117	679	567	1,017	854	26
With differences of:							
Less than 1 percent.....	952	951	329	191	266	165	1
1 to 3 percent.....	1,265	1,259	274	246	436	303	6
3 to 5 percent.....	526	520	56	95	196	173	6
5 to 10 percent.....	327	320	18	30	101	171	7
10 percent and over.....	73	67	2	5	18	42	6

Table C. Percent Difference Between Administrative Records Estimates (Unrevised) and 86 Special Censuses: 1973

(Base is special census)

Area	Average percent difference ¹	Number of areas with differences of:			
		Under 3 percent	3 to 5 percent	5 to 10 percent	10 percent and over
All areas (86) ²	5.9	32	18	20	16
1,000 to 20,000 (59).....	4.6	26	13	14	6
Under 1,000 population (27).....	8.6	6	5	6	10

¹Disregarding sign.

²All areas have population under 20,000 persons.

As a final caution, it must be noted that for convenience in presentation, the estimates contained in table 1 are shown in unrounded form. It is not intended, however, that the figures be considered accurate to the last digit. The nature of estimates prompts the rounding of figures in related Bureau reports and must be kept in mind during the application of the estimates contained here.

RELATED REPORTS

The population estimates shown in this series of reports update those found in **Current Population Reports**, Series P-25, Nos. 740 through 789 for 1976. The population estimates contained here for States are consistent with Series P-25, No. 790. The county estimates for 1977 are

superior to the provisional 1977 figures published earlier in Series P-25 and P-26 due to the addition of a second method, but will not be reported elsewhere in **Current Population Reports**. The county population estimates are being replaced by subsequent final 1977 figures developed through the Federal-State Cooperative Program for Local Population Estimates.

DETAILED TABLE SYMBOLS

In the detailed table entries, a dash "--" represents zero, and the symbol "Z" indicates that the figure is less than 0.05 percent. The symbol "B" means that the base for the derived figure is less than 75,000. Three dots "..." mean not applicable and "NA" means not available.

Table 1. July 1, 1977 Population Estimates for the State, Counties, and Subcounty Areas

AREA	JULY 1, 1977	APRIL 1, 1970 CENSUS	CHANGE, 1970 TO 1977		AREA	JULY 1, 1977	APRIL 1, 1970 CENSUS	CHANGE, 1970 TO 1977	
			NUMBER	PERCENT				NUMBER	PERCENT
STATE OF NEW MEXICO...	1 196 090	1 017 055	179 035	17.6	LORDSBURG.....	3 731	3 429	302	8.8
					VIRDEN.....	196	151	45	29.8
BERNALILLO COUNTY.....	377 345	315 774	61 571	19.5	LEA COUNTY.....	53 163	49 554	3 609	7.3
ALBUQUERQUE.....	291 187	243 751	47 436	19.5	EUNICE.....	2 573	2 641	-68	-2.6
CORRALES (PART) ¹	136	114	22	19.3	HOBBS.....	26 648	26 025	2 623	10.1
LOS RANCHOS DE ALBUQUERQUE	2 057	1 900	157	8.3	JAL.....	2 662	2 602	60	2.3
TIJERAS.....	191	160	31	19.4	LOVINGTON.....	9 389	8 915	474	5.3
CATRON COUNTY.....	2 532	2 198	334	15.2	TATUM.....	930	982	-52	-5.3
RESERVE.....	390	354	36	10.2	LINCOLN COUNTY.....	10 281	7 560	2 721	36.0
CHAVES COUNTY.....	49 377	43 335	6 042	13.9	CAPITAN.....	732	439	293	66.7
DEXTER.....	907	746	161	21.6	CARRIZOZO.....	1 209	1 123	86	7.7
HAGERMAN.....	1 038	953	85	8.9	CORONA.....	206	262	-56	-21.4
LAKE ARTHUR.....	329	306	23	7.5	RUIDOSO.....	3 878	2 216	1 662	75.0
ROSWELL.....	39 130	33 908	5 222	15.4	RUIDOSO DOWNS.....	992	702	290	41.3
COLFAX COUNTY.....	12 908	12 170	738	6.1	LOS ALAMOS COUNTY.....	17 003	15 198	1 805	11.9
CIMARRON.....	855	927	-72	-7.8	LUNA COUNTY.....	14 584	11 706	2 878	24.6
EAGLE NEST.....	100	94	6	6.4	COLUMBUS.....	271	241	30	12.4
MAXWELL.....	352	393	-41	-10.4	DEMING.....	10 351	8 343	2 008	24.1
RATON.....	7 684	6 962	722	10.4	MCKINLEY COUNTY.....	56 446	43 208	13 238	30.6
SPRINGER.....	1 409	1 574	-165	-10.5	GALLUP.....	18 296	14 596	3 700	25.3
CURRY COUNTY.....	41 093	39 517	1 576	4.0	MORA COUNTY.....	4 830	4 673	157	3.4
CLOVIS.....	30 257	28 495	1 762	6.2	WAGON MOUND.....	676	630	46	7.3
GRADY.....	95	104	-9	-8.7	OTERO COUNTY.....	42 830	41 097	1 733	4.2
MELROSE.....	764	636	128	20.1	ALAMOGORDO.....	24 343	23 035	1 308	5.7
TEXICO.....	810	772	38	4.9	CLOUDCROFT.....	580	525	55	10.5
DE BACA COUNTY.....	2 558	2 547	11	0.4	TULAROSA.....	3 044	2 851	193	6.8
FORT SUMNER.....	1 720	1 615	105	6.5	QUAY COUNTY.....	11 110	10 903	207	1.9
DONA ANA COUNTY.....	84 826	69 773	15 053	21.6	HOUSE.....	159	119	40	33.6
HATCH.....	876	867	9	1.0	LOGAN.....	498	386	112	29.0
MESILLA.....	1 868	1 713	155	9.0	SAN JON.....	298	308	-10	-3.2
LAS CRUCES.....	41 172	37 857	3 315	8.8	TUCUMCARI.....	7 179	7 189	-10	-0.1
EDDY COUNTY.....	45 924	41 119	4 805	11.7	RIO ARRIBA COUNTY.....	28 044	25 170	2 874	11.4
ARTESIA.....	10 795	10 315	480	4.7	CHAMA.....	1 002	899	103	11.5
CARLSBAD.....	24 518	21 297	3 221	15.1	ESPAÑOLA (PART) ¹	5 767	4 567	1 200	26.3
HOPE.....	163	90	73	81.1	ROOSEVELT COUNTY.....	16 617	16 479	138	0.8
LOVING.....	1 488	1 192	296	24.8	CAUSEY.....	153	150	3	2.0
GRANT COUNTY.....	24 783	22 030	2 753	12.5	DORA.....	192	196	-4	-2.0
BAYARD.....	2 972	2 908	64	2.2	ELIDA.....	231	233	-2	-0.9
CENTRAL.....	1 810	1 864	-54	-2.9	FLOYD.....	234	248	-14	-5.6
HURLEY.....	1 574	1 796	-222	-12.4	PORTALES.....	10 545	10 554	-9	-0.1
SILVER CITY.....	9 824	8 557	1 267	14.8	SANDOVAL COUNTY.....	24 944	17 492	7 452	42.6
GUADALUPE COUNTY.....	4 856	4 969	-113	-2.3	BERNALILLO.....	2 437	2 016	421	20.9
SANTA ROSA.....	2 452	2 485	-33	-1.3	CORRALES (PART) ¹	2 099	1 662	437	26.3
VAUGHN.....	780	867	-87	-10.0	CUBA.....	552	415	137	33.0
HARDING COUNTY.....	1 195	1 348	-153	-11.4	JEMEZ SPRINGS.....	480	356	124	34.8
MOSQUERO (PART).....	209	244	-35	-14.3	SAN YSIDRO.....	220	182	38	20.9
ROY.....	418	476	-58	-12.2					
HIDALGO COUNTY.....	6 090	4 734	1 356	28.6					

¹1970 CENSUS FIGURE INCLUDES 1970 CENSUS POPULATION RESIDING IN AREAS ANNEXED THROUGH DECEMBER 31, 1977.

Table 1. July 1, 1977 Population Estimates for the State, Counties, and Subcounty Areas—Continued

AREA	JULY 1, 1977	APRIL 1, 1970 CENSUS	CHANGE, 1970 TO 1977		AREA	JULY 1, 1977	APRIL 1, 1970 CENSUS	CHANGE, 1970 TO 1977	
			NUMBER	PERCENT				NUMBER	PERCENT
SAN JUAN COUNTY.....	71 346	52 517	18 829	35.9	QUESTA.....	1 222	1 095	127	11.6
AZTEC.....	4 862	3 354	1 508	45.0	RED RIVER.....	300	185	115	62.2
BLOOMFIELD.....	2 301	1 574	727	46.2	TAOS.....	2 886	2 475	411	16.6
FARMINGTON.....	30 876	21 979	8 897	40.5	TORRANCE COUNTY.....	6 945	5 290	1 655	31.3
SAN MIGUEL COUNTY.....	23 109	21 951	1 158	5.3	ENCINO.....	277	250	27	10.8
LAS VEGAS ¹	14 943	14 320	623	4.4	ESTANCIA.....	864	721	143	19.8
MOSQUERO (PART).....	-	-	-	-	MORIARTY.....	1 145	758	387	51.1
PECOS.....	699	598	101	16.9	MOUNTAINAIR.....	1 075	1 022	53	5.2
SANTA FE COUNTY.....	65 836	54 774	11 062	20.2	WILLARD.....	291	209	82	39.2
ESPAÑOLA (PART) ¹	1 910	1 367	543	39.7	UNION COUNTY.....	4 937	4 925	12	0.2
SANTA FE.....	46 855	41 167	5 688	13.8	CLAYTON.....	2 989	2 931	58	2.0
SIERRA COUNTY.....	8 894	7 189	1 705	23.7	DES MOINES.....	180	204	-24	-11.8
TRUTH OR CONSEQUENCES.....	5 491	4 656	835	17.9	FOLSOM.....	66	75	-9	-12.0
WILLIAMSBURG.....	689	367	322	87.7	GRENVILLE.....	13	21	-8	-38.1
SOCORRO COUNTY.....	10 229	9 763	466	4.8	VALENCIA COUNTY.....	51 435	40 576	10 859	26.8
MAGDALENA.....	625	652	-27	-4.1	BELEN.....	6 023	4 823	1 200	24.9
SOCORRO.....	6 139	5 849	290	5.0	BOSQUE FARMS.....	2 609	1 699	910	53.6
TAOS COUNTY.....	20 017	17 516	2 501	14.3	GRANTS.....	10 631	8 768	1 863	21.2
					LOS LUNAS.....	1 280	973	307	31.6
					MILAN.....	2 628	2 222	406	18.3
					MULTI-COUNTY PLACES				
					CORRALES ¹	2 235	1 776	459	25.8
					ESPAÑOLA ¹	7 677	5 934	1 743	29.4
					MOSQUERO.....	209	244	-35	-14.3

¹1970 CENSUS FIGURE INCLUDES 1970 CENSUS POPULATION RESIDING IN AREAS ANNEXED THROUGH DECEMBER 31, 1977.

**1977 Population Estimates for Counties, Incorporated Places,
and Selected Minor Civil Divisions**

(Reports may not be published in numerical order)

No. 814 Alabama	No. 839 Montana
No. 815 Alaska	No. 840 Nebraska
No. 816 Arizona	No. 841 Nevada
No. 817 Arkansas	No. 842 New Hampshire
No. 818 California	No. 843 New Jersey
No. 819 Colorado	No. 844 New Mexico
No. 820 Connecticut	No. 845 New York
No. 821 Delaware	No. 846 North Carolina
No. 822 Florida	No. 847 North Dakota
No. 823 Georgia	No. 848 Ohio
No. 824 Hawaii	No. 849 Oklahoma
No. 825 Idaho	No. 850 Oregon
No. 826 Illinois	No. 851 Pennsylvania
No. 827 Indiana	No. 852 Rhode Island
No. 828 Iowa	No. 853 South Carolina
No. 829 Kansas	No. 854 South Dakota
No. 830 Kentucky	No. 855 Tennessee
No. 831 Louisiana	No. 856 Texas
No. 832 Maine	No. 857 Utah
No. 833 Maryland	No. 858 Vermont
No. 834 Massachusetts	No. 859 Virginia
No. 835 Michigan	No. 860 Washington
No. 836 Minnesota	No. 861 West Virginia
No. 837 Mississippi	No. 862 Wisconsin
No. 838 Missouri	No. 863 Wyoming