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Population Estimates and Projections

1977 Population Estimates for Counties, Incorporated Places, and Minor Civil Divisions in Massachusetts

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

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

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

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

⁵Meyer 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 MASSACHUSETTS	5 778 374	5 689 170	89 204	1.6					
BARNSTABLE COUNTY.....	136 919	96 656	40 263	41.7	DUKES COUNTY.....	7 981	6 117	1 864	30.5
BARNSTABLE TOWN.....	28 830	19 842	8 988	45.3	CHILMARK TOWN.....	437	340	97	28.5
BOURNE TOWN.....	11 111	12 636	-1 525	-12.1	EDGARTOWN TOWN.....	2 201	1 481	720	48.6
BREWSTER TOWN.....	4 432	1 790	2 642	147.6	GAY HEAD TOWN.....	4 122	118	4	3.4
CHATHAM TOWN.....	6 419	4 554	1 865	41.0	GOSNOLD TOWN.....	104	83	21	25.3
DENNIS TOWN.....	10 530	6 454	4 076	63.2	OAK BLUFFS TOWN.....	1 709	1 385	324	23.4
EASTHAM TOWN.....	3 367	2 043	1 324	64.8	TISBURY TOWN.....	2 658	2 257	401	17.8
FALMOUTH TOWN.....	21 832	15 942	5 890	36.9	WEST TISBURY TOWN.....	750	453	297	65.6
HARWICH TOWN.....	8 395	5 892	2 503	42.5	ESSEX COUNTY.....	624 862	637 887	-13 025	-2.0
MASHPEE TOWN.....	3 408	1 288	2 120	164.6	BEVERLY.....	37 159	38 348	-1 189	-3.1
ORLEANS TOWN.....	4 704	3 059	1 649	54.0	GLOUCESTER.....	26 927	27 941	-1 014	-3.6
PROVINCETOWN TOWN.....	4 010	2 911	1 099	37.8	HAVERHILL.....	44 079	46 120	-2 041	-4.4
SANDWICH TOWN.....	7 789	5 239	2 550	48.7	LAWRENCE.....	63 845	66 915	-3 070	-4.6
TRURO TOWN.....	1 327	1 234	93	7.5	LYNN.....	77 089	90 294	-13 205	-14.6
WELLFLEET TOWN.....	2 191	1 743	448	25.7	NEWBURYPORT.....	16 103	15 807	296	1.9
YARMOUTH TOWN.....	18 575	12 033	6 542	54.4	PEABODY.....	44 920	48 080	-3 160	-6.6
BERKSHIRE COUNTY.....	143 840	149 402	-5 562	-3.7	SALEM.....	38 045	40 556	-2 511	-6.2
NORTH ADAMS.....	17 916	19 195	-1 279	-6.7	AMESBURY TOWN.....	13 806	11 388	2 418	21.2
PITTSFIELD.....	52 313	57 020	-4 707	-8.3	ANDOVER TOWN.....	27 132	23 695	3 437	14.5
ADAMS TOWN.....	10 548	11 772	-1 224	-10.4	BOXFORD TOWN.....	4 697	4 032	665	16.5
ALFORD TOWN.....	333	302	31	10.3	DANVERS TOWN.....	24 182	26 151	-1 969	-7.5
BECKET TOWN.....	1 146	929	217	23.4	ESSEX TOWN.....	2 959	2 670	289	11.2
CHESHIRE TOWN.....	3 225	3 006	219	7.3	GEORGETOWN TOWN.....	5 967	5 290	677	12.8
CLARKSBURG TOWN.....	1 931	1 987	-56	-2.8	GROVELAND TOWN.....	5 087	5 382	-295	-5.5
DALTON TOWN.....	7 043	7 505	-462	-6.2	HAMILTON TOWN.....	6 825	6 373	452	7.1
EGREMONT TOWN.....	1 226	1 138	88	7.7	IPSWICH TOWN.....	11 585	10 750	835	7.8
FLORIDA TOWN.....	763	672	91	13.5	LYNNFIELD TOWN.....	12 151	10 826	1 325	12.2
GREAT BARRINGTON TOWN.....	6 662	7 537	-875	-11.6	MANCHESTER.....	5 685	5 151	534	10.4
HANCOCK TOWN.....	662	675	-13	-1.9	MARBLEHEAD TOWN.....	21 527	21 295	232	1.1
HINSDALE TOWN.....	1 746	1 588	158	9.9	MERRIMAC TOWN.....	4 273	4 245	28	0.7
LANESBOROUGH TOWN.....	3 157	2 972	185	6.2	METHUEN TOWN.....	35 401	35 456	-55	-0.2
LEESBOROUGH TOWN.....	6 166	6 426	-260	-4.0	MIDDLETON TOWN.....	3 971	4 044	-73	-1.8
LENOX TOWN.....	6 226	5 804	422	7.3	NAHANT TOWN.....	4 104	4 119	-15	-0.4
MONTEREY TOWN.....	739	600	139	23.2	NEWBURY TOWN.....	4 331	3 804	527	13.9
MOUNT WASHINGTON TOWN.....	74	52	22	42.3	NORTH ANDOVER TOWN.....	16 267	16 284	-17	-0.1
NEW ASHFORD TOWN.....	153	183	-30	-16.4	ROCKPORT TOWN.....	6 333	5 636	697	12.4
NEW MARLBOROUGH TOWN.....	1 165	1 031	134	13.0	ROWLEY TOWN.....	3 536	3 040	496	16.3
OTIS TOWN.....	1 011	820	191	23.3	SALISBURY TOWN.....	5 220	4 179	1 041	24.9
PERU TOWN.....	594	256	338	132.0	SAUGUS TOWN.....	24 559	25 110	-551	-2.2
RICHMOND TOWN.....	1 692	1 461	231	15.8	SWAMPSCOTT TOWN.....	14 216	13 578	638	4.7
SANDISFIELD TOWN.....	677	547	130	23.8	TOPSFIELD TOWN.....	6 031	5 225	806	15.4
SAVOY TOWN.....	472	322	150	46.6	WENHAM TOWN.....	4 048	3 849	199	5.2
SHEFFIELD TOWN.....	2 773	2 374	399	16.8	WEST NEWBURY TOWN.....	2 792	2 254	538	23.9
STOCKBRIDGE TOWN.....	2 122	2 312	-190	-8.2	FRANKLIN COUNTY.....	60 887	59 210	1 677	2.8
TYRINGHAM TOWN.....	330	234	96	41.0	ASHFIELD TOWN.....	1 343	1 274	69	5.4
WASHINGTON TOWN.....	541	406	135	33.3	BERNARDSTON TOWN.....	1 698	1 659	39	2.4
WEST STOCKBRIDGE TOWN.....	1 393	1 354	39	2.9	BUCKLAND TOWN.....	1 806	1 892	-86	-4.5
WILLIAMSTOWN TOWN.....	8 483	8 454	29	0.3	CHARLEMONT TOWN.....	1 143	897	246	27.4
WINDSOR TOWN.....	559	468	91	19.4	COLRAIN TOWN.....	1 528	1 420	108	7.6
BRISTOL COUNTY.....	468 693	444 301	24 392	5.5	CONWAY TOWN.....	1 164	998	166	16.6
ATTLEBORO.....	32 807	32 907	-100	-0.3	DEERFIELD TOWN.....	4 204	3 850	354	9.2
FALL RIVER.....	98 898	96 898	2 000	2.1	ERVING TOWN.....	1 308	1 260	48	3.8
NEW BEDFORD.....	98 845	101 777	-2 932	-2.9	GILL TOWN.....	1 190	1 100	90	8.2
TAUNTON.....	41 738	43 756	-2 018	-4.6	GREENFIELD TOWN.....	17 937	18 116	-179	-1.0
ACUSHNET TOWN.....	8 647	7 767	880	11.3	HANLEY TOWN.....	257	224	33	14.7
BERKLEY TOWN.....	2 439	2 027	412	20.3	HEATH TOWN.....	405	383	22	5.7
DARTMOUTH TOWN.....	23 348	18 800	4 548	24.2	LEVERETT TOWN.....	1 341	1 005	336	33.4
DIGHTON TOWN.....	5 276	4 667	609	13.0	LEYDEN TOWN.....	480	376	104	27.7
EASTON TOWN.....	15 055	12 157	2 898	23.8	MONROE TOWN.....	193	216	-23	-10.6
FAIRHAVEN TOWN.....	16 093	16 332	-239	-1.5	MONTAGUE TOWN.....	7 883	8 451	-568	-6.7
FREETOWN TOWN.....	6 309	4 270	2 039	47.8	NEW SALEM TOWN.....	614	474	140	29.5
MANSFIELD TOWN.....	13 286	9 939	3 347	33.7	NORTHFIELD TOWN.....	2 332	2 631	-299	-11.4
NORTH ATTLEBOROUGH TOWN.....	19 813	18 665	1 148	6.2	ORANGE TOWN.....	6 022	6 104	-82	-1.3
NORTON TOWN.....	10 651	9 487	1 164	12.3	ROME TOWN.....	308	277	31	11.2
RAYNHAM TOWN.....	8 395	6 705	1 690	25.2	SHELBURNE TOWN.....	1 832	1 836	-4	-0.2
REHOBOTH TOWN.....	7 326	6 512	814	12.5	SHUTESBURY TOWN.....	770	489	281	57.5
SEEKONK TOWN.....	11 576	11 116	460	4.1	SUNDERLAND TOWN.....	2 723	2 236	487	21.8
SOMERSET TOWN.....	19 489	18 088	1 401	7.7	WARWICK TOWN.....	589	492	97	19.7
SWANSEA TOWN.....	15 330	12 640	2 690	21.3	WENDELL TOWN.....	683	405	278	68.6
WESTPORT TOWN.....	13 371	9 791	3 580	36.6					

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
WHATELY TOWN.....	1 133	1 148	-12	-1.0	CONCORD TOWN.....	17 831	16 148	1 683	10.4
HAMPDEN COUNTY.....	456 868	459 050	-2 182	-0.5	DRACUT TOWN.....	20 619	18 214	2 405	13.2
CHICOPEE.....	56 572	66 676	-10 104	-15.2	DUNSTABLE TOWN.....	1 650	1 292	358	27.7
HOLYOKE.....	44 267	50 112	-5 845	-11.7	FRAMINGHAM TOWN.....	64 079	64 048	31	0.1
SPRINGFIELD.....	164 895	163 905	990	0.6	GROTON TOWN.....	5 572	5 105	467	9.1
WESTFIELD.....	34 443	31 433	3 010	9.6	HOLLISTON TOWN.....	13 176	12 069	1 107	9.2
AGAWAM TOWN.....	24 955	21 717	3 238	14.9	HOPKINTON TOWN.....	6 682	5 981	701	11.7
BLANDFORD TOWN.....	1 015	863	152	17.6	HUDSON TOWN.....	16 705	16 084	621	3.9
BRIMFIELD TOWN.....	2 219	1 907	312	16.4	LEXINGTON TOWN.....	32 384	31 886	498	1.6
CHESTER TOWN.....	1 133	1 025	108	10.5	LINCOLN TOWN.....	7 586	7 567	19	0.3
EAST LONGMEADOW TOWN.....	13 334	13 029	305	2.3	LITTLETON TOWN.....	6 621	6 380	241	3.8
GRANVILLE TOWN.....	1 238	1 008	230	22.8	MAYNARD TOWN.....	9 845	9 710	135	1.4
HAMPDEN TOWN.....	4 782	4 572	210	4.6	MATICK TOWN.....	30 596	31 057	-461	-1.5
HOLLAND TOWN.....	1 529	931	598	64.2	NORTH READING TOWN.....	12 265	11 264	1 001	8.9
LONGMEADOW TOWN.....	16 966	15 630	1 356	8.7	PEPPERELL TOWN.....	7 053	5 887	1 166	19.8
LUDLOW TOWN.....	18 186	17 580	606	3.4	READING TOWN.....	23 760	22 539	1 221	5.4
MONSON TOWN.....	7 528	7 355	173	2.4	SHERBORN TOWN.....	4 265	3 309	956	28.9
MONTGOMERY TOWN.....	632	446	186	41.7	SHIRLEY TOWN.....	4 577	4 909	-332	-6.8
PALMER TOWN.....	11 702	11 680	22	0.2	STONEHAM TOWN.....	21 575	20 725	850	4.1
RUSSELL TOWN.....	1 605	1 382	223	16.1	STOW TOWN.....	5 091	3 984	1 107	27.8
SOUTHWICK TOWN.....	7 329	6 330	999	15.8	SUDBURY TOWN.....	15 128	13 506	1 622	12.0
TOLLAND TOWN.....	267	172	95	55.2	TEWKSBURY TOWN.....	24 226	22 755	1 471	6.5
WALES TOWN.....	1 097	852	245	28.8	TOWNSEND TOWN.....	5 643	4 281	1 362	31.8
WEST SPRINGFIELD TOWN.....	28 075	28 461	-386	-1.4	TYNGSBOROUGH TOWN.....	5 190	4 204	986	23.5
WILBRAHAM TOWN.....	13 080	11 984	1 096	9.1	WAKEFIELD TOWN.....	25 439	25 402	37	0.1
HAMPSHIRE COUNTY.....	131 858	123 981	7 877	6.4	WATERTOWN TOWN.....	34 927	39 307	-4 380	-11.1
NORTHAMPTON.....	28 739	29 664	-925	-3.1	WAYLAND TOWN.....	13 021	13 462	-441	-3.3
AMHERST TOWN.....	30 683	26 331	4 352	16.5	WESTFORD TOWN.....	13 643	10 368	3 275	31.6
BELCHERTOWN TOWN.....	6 677	5 936	741	12.5	WESTON TOWN.....	11 696	10 870	826	7.6
CHESTERFIELD TOWN.....	896	704	192	27.3	WILMINGTON TOWN.....	18 167	17 102	1 065	6.2
CUMMINGTON TOWN.....	661	562	99	17.6	WINCHESTER TOWN.....	22 449	22 269	180	0.8
EASTHAMPTON TOWN.....	15 070	13 012	2 058	15.8	NANTUCKET COUNTY.....	5 469	3 774	1 695	44.9
GOSHEN TOWN.....	698	483	215	44.5	NANTUCKET TOWN.....	5 469	3 774	1 695	44.9
GRANBY TOWN.....	5 446	5 473	-27	-0.5	NORFOLK COUNTY.....	619 504	604 854	14 650	2.4
HADLEY TOWN.....	3 762	3 750	12	0.3	QUINCY.....	90 571	87 966	2 605	3.0
HATFIELD TOWN.....	2 996	2 825	171	6.1	AVON TOWN.....	5 301	5 295	6	0.1
HUNTINGTON TOWN.....	1 768	1 593	175	11.0	BELLINGHAM TOWN.....	14 776	13 967	809	5.8
MIDDLEFIELD TOWN.....	1 349	288	61	21.2	BRAINTREE TOWN.....	37 236	35 050	2 186	6.2
PELHAM TOWN.....	1 109	937	172	18.4	BROOKLINE TOWN.....	50 680	58 689	-8 009	-13.6
PLAINFIELD TOWN.....	368	287	81	28.2	CANTON TOWN.....	18 299	17 100	1 199	7.0
SOUTHAMPTON TOWN.....	3 842	3 069	773	25.2	COHASSET TOWN.....	7 854	6 954	900	12.9
SOUTH HADLEY TOWN.....	16 290	17 033	-743	-4.4	DEDHAM TOWN.....	26 587	26 938	-351	-1.3
WARE TOWN.....	8 424	8 187	237	2.9	DOVER TOWN.....	4 987	4 529	458	10.1
WESTHAMPTON TOWN.....	1 003	793	210	26.5	FOXBOROUGH TOWN.....	14 115	14 218	-103	-0.7
WILLIAMSBURG TOWN.....	2 224	2 342	-118	-5.0	FRANKLIN TOWN.....	18 779	17 830	849	4.8
WORTHINGTON TOWN.....	852	712	140	19.7	HOLBROOK TOWN.....	11 774	11 775	-1	0.0
MIDDLESEX COUNTY.....	1 386 584	1 398 397	-11 813	-0.8	MEDFIELD TOWN.....	10 411	9 821	590	6.0
CAMBRIDGE.....	99 296	100 361	-1 065	-1.1	MEDWAY TOWN.....	8 219	7 938	281	3.5
EVERETT.....	38 924	42 485	-3 561	-8.4	MILLIS TOWN.....	6 770	5 686	1 084	19.1
LOWELL.....	88 449	94 239	-5 790	-6.1	MILTON TOWN.....	27 281	27 190	91	0.3
MALDEN.....	54 987	56 127	-1 140	-2.0	NEEDHAM TOWN.....	29 607	29 748	-141	-0.5
MARLBOROUGH.....	29 945	27 936	2 009	7.2	NORFOLK TOWN.....	6 545	4 656	1 889	40.6
MEDFORD.....	60 519	64 397	-3 878	-6.0	NORWOOD TOWN.....	30 996	30 815	181	0.6
MELROSE.....	31 805	33 180	-1 375	-4.1	PLAINVILLE TOWN.....	5 469	4 953	516	10.4
NEWTON.....	87 183	91 263	-4 080	-4.5	RANDOLPH TOWN.....	29 330	27 035	2 295	8.5
SOMERVILLE.....	76 771	88 779	-12 008	-13.5	SHARON TOWN.....	13 962	12 367	1 595	12.9
WALTHAM.....	55 632	61 582	-5 950	-9.7	STOUGHTON TOWN.....	26 376	23 459	2 917	12.4
WOBURN.....	34 658	37 406	-2 748	-7.3	WALPOLE TOWN.....	18 717	18 149	568	3.1
ACTON TOWN.....	18 707	14 770	3 937	26.7	WELLESLEY TOWN.....	27 173	28 051	-878	-3.1
ARLINGTON TOWN.....	49 303	53 524	-4 221	-7.9	WESTWOOD TOWN.....	13 970	12 750	1 220	9.6
ASHBY TOWN.....	2 375	2 274	101	4.4	WEYMOUTH TOWN.....	56 305	54 610	1 695	3.1
ASHLAND TOWN.....	8 837	8 882	-45	-0.5	WRENTHAM TOWN.....	7 514	7 315	199	2.7
AYER TOWN.....	7 023	8 325	-1 302	-15.6	PLYMOUTH COUNTY.....	387 947	333 314	54 633	16.4
BEDFORD TOWN.....	13 577	13 513	64	0.5	BROCKTON.....	94 175	89 040	5 135	5.8
BELMONT TOWN.....	26 963	28 285	-1 322	-4.7	ABINGTON TOWN.....	13 342	12 334	1 008	8.2
BILLERICA TOWN.....	37 051	31 648	5 403	17.1	BRIDGEWATER TOWN.....	13 904	12 911	993	7.7
BOXBOROUGH TOWN.....	3 076	1 451	1 625	112.0	CARVER TOWN.....	6 338	2 420	3 918	161.9
BURLINGTON TOWN.....	24 726	21 980	2 746	12.5	DUXBURY TOWN.....	10 878	7 636	3 242	42.5
CARLISLE TOWN.....	3 310	2 871	439	15.3	EAST BRIDGEWATER TOWN.....	9 671	8 347	1 324	15.9
CHELMSFORD TOWN.....	32 007	31 432	575	1.8					

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
HALIFAX TOWN.....	5 304	3 537	1 767	50.0	DOUGLAS TOWN.....	3 343	2 947	396	13.4
HANOVER TOWN.....	11 101	10 107	994	9.8	DUDLEY TOWN.....	7 967	8 087	-120	-1.5
HANSON TOWN.....	8 563	7 148	1 415	19.8	EAST BROOKFIELD TOWN.....	2 004	1 800	204	11.3
HINGHAM TOWN.....	19 616	18 845	771	4.1	GRAFTON TOWN.....	10 703	11 659	-956	-8.2
HULL TOWN.....	10 484	9 961	493	4.9	HARDWICK TOWN.....	2 072	2 379	-307	-12.9
KINGSTON TOWN.....	6 826	5 999	827	13.8	HARVARD TOWN.....	10 217	12 494	-2 277	-18.2
LAKEVILLE TOWN.....	5 345	4 376	969	22.1	HOLDEN TOWN.....	13 861	12 564	1 297	10.3
MARION TOWN.....	4 011	3 466	545	15.7	HOPEDALE TOWN.....	3 913	4 292	-379	-8.8
MARSHFIELD TOWN.....	21 052	15 223	5 829	38.3	HUBBARDSTON TOWN.....	1 797	1 437	360	25.1
MATTAPOISETT TOWN.....	5 655	4 500	1 155	25.7	LANCASTER TOWN.....	6 074	6 095	-21	-0.3
MIDDLEBOROUGH TOWN.....	14 329	13 607	722	5.3	LEICESTER TOWN.....	9 222	9 140	82	0.9
NORWELL TOWN.....	9 081	7 796	1 285	16.5	LUNENBURG TOWN.....	2 787	7 419	779	10.5
PENBROKE TOWN.....	12 970	11 193	1 777	15.9	MENDON TOWN.....	2 787	2 524	273	10.8
PLYMOUTH TOWN.....	31 237	18 606	12 631	67.9	MILFORD TOWN.....	23 733	19 352	4 381	22.6
PLYMPTON TOWN.....	1 812	1 224	588	48.0	MILLBURY TOWN.....	11 929	11 987	-58	-0.5
ROCHESTER TOWN.....	2 649	1 770	879	49.7	MILLVILLE TOWN.....	1 673	1 764	-91	-5.2
ROCKLAND TOWN.....	16 880	15 674	1 206	7.7	NEW BRAINTREE TOWN.....	702	631	71	11.3
SCITUATE TOWN.....	17 545	16 973	572	3.8	NORTHBOROUGH TOWN.....	10 923	9 218	1 705	18.5
WAREHAM TOWN.....	15 391	11 492	3 899	33.9	NORTHBRIDGE TOWN.....	12 174	11 795	379	3.2
WEST BRIDGEWATER TOWN.....	6 456	6 070	386	6.4	NORTH BROOKFIELD TOWN.....	4 134	3 967	167	4.2
WHITMAN TOWN.....	13 360	13 059	301	2.3	OAKHAM TOWN.....	878	730	148	20.3
SUFFOLK COUNTY.....	705 719	735 190	-29 471	-4.0	OXFORD TOWN.....	11 732	10 345	1 387	13.4
BOSTON.....	618 493	641 071	-22 578	-3.5	PAXTON TOWN.....	3 825	3 731	94	2.5
CHELSEA.....	24 312	30 625	-6 313	-20.6	PETERSHAM TOWN.....	1 169	1 014	155	15.3
REVERE.....	42 297	43 159	-862	-2.0	PHILLIPSTON TOWN.....	1 072	872	200	22.9
WINTHROP TOWN.....	20 617	20 335	282	1.4	PRINCETON TOWN.....	2 284	1 681	603	35.9
WORCESTER COUNTY.....	641 242	637 037	4 205	0.7	ROYALSTON TOWN.....	647	809	38	4.7
FITCHBURG.....	37 380	43 343	-5 963	-13.8	RUTLAND TOWN.....	4 050	3 198	852	26.6
GARDNER.....	18 072	19 748	-1 676	-8.5	SHREWSBURY TOWN.....	22 267	19 196	3 071	16.0
LEOMINSTER.....	35 344	32 939	2 405	7.3	SOUTHBOROUGH TOWN.....	6 481	5 798	683	11.8
WORCESTER.....	165 229	176 572	-11 343	-6.4	SOUTHBRIDGE TOWN.....	16 591	17 057	-466	-2.7
ASHBURNHAM TOWN.....	3 967	3 484	483	13.9	SPENCER TOWN.....	10 141	8 779	1 362	15.5
ATHOL TOWN.....	10 754	11 185	-431	-3.9	STERLING TOWN.....	5 043	4 247	796	18.7
AUBURN TOWN.....	15 483	15 347	136	0.9	STURBRIDGE TOWN.....	5 579	4 878	701	14.4
BARRE TOWN.....	4 058	3 825	233	6.1	SUTTON TOWN.....	5 230	4 590	640	13.9
BERLIN TOWN.....	2 363	2 099	264	12.6	TEMPLETON TOWN.....	6 132	5 863	269	4.6
BLACKSTONE TOWN.....	6 581	6 566	15	0.2	UPTON TOWN.....	3 856	3 484	372	10.7
BOLTON TOWN.....	2 455	1 905	550	28.9	UXBRIDGE TOWN.....	8 506	8 253	253	3.1
BOYLSTON TOWN.....	3 591	2 774	817	29.5	WARREN TOWN.....	3 367	3 633	-266	-7.3
BROOKFIELD TOWN.....	2 216	2 063	153	7.4	WEBSTER TOWN.....	14 087	14 917	-830	-5.6
CHARLTON TOWN.....	6 029	4 654	1 375	29.5	WESTBOROUGH TOWN.....	13 914	12 594	1 320	10.5
CLINTON TOWN.....	12 404	13 383	-979	-7.3	WEST BOYLSTON TOWN.....	6 167	6 369	-202	-3.2
					WEST BROOKFIELD TOWN.....	2 994	2 653	341	12.9
					WESTMINSTER TOWN.....	4 819	4 273	546	12.8
					WINCHENDON TOWN.....	6 848	6 635	213	3.2

Official Business
Penalty for Private Use, \$300

**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

