
Appendix II

Metropolitan Areas: Concepts, Components, and Population

Statistics for metropolitan areas (MAs) shown in the Statistical Abstract represent areas defined by the U.S. Office of Management and Budget (OMB) according to published standards that are applied to Census Bureau data. The general concept of an MA is that of a core area containing a large population nucleus, together with adjacent communities having a high degree of economic and social integration with that core. Currently defined MAs are based on application of 1990 standards (which appeared in the Federal Register on March 30, 1990) to 1990 decennial census data and to subsequent Census Bureau population estimates and special census data. Current MA definitions were announced by OMB effective June 30, 1999. MAs include metropolitan statistical areas (MSAs), consolidated metropolitan statistical areas (CMSAs), and primary metropolitan statistical areas (PMSAs).

In this appendix, Table E presents geographic components and 1998 population estimates for each MSA, CMSA, and PMSA outside of New England. Table D presents definitions and data for New England county metropolitan areas (NECMAs), the county-based alternative metropolitan areas for the city- and town-based MSAs and CMSAs of the six New England states.

Standard definitions of metropolitan areas were first issued in 1949 by the then Bureau of the Budget (predecessor of OMB), under the designation “standard metropolitan area” (SMA). The term was changed to “standard metropolitan statistical area” (SMSA) in 1959 and to “metropolitan statistical area” (MSA) in 1983. The collective term “metropolitan area” (MA) became effective in 1990.

OMB has been responsible for the official metropolitan areas since they were first defined, except for the period 1977 to 1981, when they were the responsibility of the Office of Federal Statistical Policy

and Standards, Department of Commerce. The standards for defining metropolitan areas were modified in 1958, 1971, 1975, 1980, and 1990.

Defining MSAs, CMSAs, and PMSA—

The current standards provide that each newly qualifying MSA must include at least: one city with 50,000 or more inhabitants, or a Census Bureau-defined urbanized area (of at least 50,000 inhabitants) and a total metropolitan population of at least 100,000 (75,000 in New England). Under the standards, the county (or counties) that contains the largest city becomes the “central county” (counties), along with any adjacent counties that have at least 50 percent of their population in the urbanized area surrounding the largest city. Additional “outlying counties” are included in the MSA if they meet specified requirements of commuting to the central counties and other selected requirements of metropolitan character (such as population density and percent urban). In New England, the MSAs are defined in terms of cities and towns rather than counties. An area that meets these requirements for recognition as an MSA and also has a population of 1 million or more may be recognized as a CMSA if separate component areas can be identified within the entire area by meeting statistical criteria specified in the standards, and local opinion indicates there is support for the component areas. If recognized, the component areas are designated PMSAs, and the entire area becomes a CMSA. PMSAs, like the CMSAs that contain them, are composed of entire counties, except in New England where they are composed of cities and towns. If no PMSAs are recognized, the entire area is designated as an MSA. As of the June 30, 1999, OMB announcement, there were 258 MSAs, and 18 CMSAs comprising 73 PMSAs in the United States. In addition, there were three MSAs, one CMSA, and three PMSAs in Puerto Rico.

Central cities and MA titles—The largest city in each MSA/CMSA is designated a “central city.” Additional cities qualify if specified requirements are met concerning population size and commuting patterns. The title of each MSA consists of the names of up to three of its central cities and the name of each state into which the MSA extends. However, a central city with less than 250,000 population and less than one-third the population of the area’s largest city is not included in an MSA title unless local opinion supports its inclusion. Titles of PMSAs also typically are based on central city names but in certain cases consist of county names. Generally, titles of CMSAs are based on the titles of their component PMSAs.

Defining New England County Metropolitan Areas NECMAs—The OMB defines NECMAs as a county-based alternative to the city- and town-based New England MSAs and CMSAs. The NECMA for an MSA or CMSA includes: the county containing the first-named city in that MSA/CMSA title (this county may include the first-named cities of other MSAs/CMSAs as well), and each additional county having at least half its population in the MSAs/CMSAs whose first-named cities are in the previously identified county. NECMAs are not identified for individual PMSAs. There are 12 NECMAs, including 1 for the Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA and 1 for the Connecticut portion of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA. Central cities of a NECMA

are those cities in the NECMA that qualify as central cities of an MSA or a CMSA. NECMA titles derive from names of central cities.

Changes in MA definitions over time—Changes in the definitions of MAs since the 1950 census have consisted chiefly of the recognition of new areas as they reached the minimum required city or area population, and the addition of counties (or cities and towns in New England) to existing areas as new decennial census data showed them to qualify. In some instances, formerly separate MAs have been merged, components of an MA have been transferred from one MA to another, or components have been dropped from an MA. The large majority of changes have taken place on the basis of decennial census data. However, Census Bureau population estimates and special censuses serve as the basis for intercensal updates.

Because of these historical changes in geographic definitions, users must be cautious in comparing MA data from different dates. For some purposes, comparisons of data for MAs as defined at given dates may be appropriate; for other purposes, it may be preferable to maintain consistent MA definitions.

In Tables A, B, and C below, data are given for MAs as defined for specific dates, thereby indicating the extent of change in population and land area resulting from revisions in definitions.

Table A. Number, Population, and Land Area of MAs as Defined at Specified Dates From 1960 to 1998

[The differences in population shown here for each year within each column of the table result entirely from net expansion of metropolitan territory through changes in the MA definitions. The differences in population over time shown for each MA definition (on the successive lines of the table) result entirely from population changes within that territory, unaffected by changes in MA definitions. The changes in 1990 land area result entirely from net change in MA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the MAs as the result of changes in definitions between the specified dates. Such changes may have occurred throughout the period, not on any single date, and may have included reductions in, as well as additions to, MA territory. Census population data through 1980 include corrections made since publication. The area data for the 1960, 1970, and 1980 census definitions of MAs differ from the data published in those censuses because of subsequent remeasurement of land areas and changes in inland water area occurring for the 1990 census]

MA definition as of—	Number of MAs	Population					Land area, 1990 (sq. mi.)
		1960 (April 1)	1970 (April 1)	1980 (April 1)	1990 (April 1)	1996 (July 1)	
1960 census (Nov. 1960)	212	¹ 112,885,139	130,982,661	140,793,427	155,088,626	163,749,752	308,742
1970 census (Feb. 28, 1971)	243	² 119,593,498	³ 139,479,806	151,662,221	167,896,646	178,120,036	386,241
1980 census (June 30, 1981)	318	131,318,714	153,693,767	169,430,623	188,759,597	201,283,896	565,288
1985 (June 30)	⁵ 280	132,887,134	155,700,823	172,169,456	192,135,964	(NA)	569,816
1987 (June 30)	⁶ 281	133,003,445	155,832,688	172,334,547	192,345,395	205,287,889	572,284
1988 (June 30)	⁷ 282	133,088,400	155,937,275	172,454,948	192,476,951	(NA)	573,560
1989 (June 30)	⁷ 283	133,233,777	156,084,580	172,601,873	192,618,846	(NA)	574,622
1990 census (June 30, 1990)	⁷ 284	133,275,412	156,137,337	172,679,870	192,725,741	205,693,810	580,136
1992 (Dec. 31)	⁷ 268	136,171,803	159,324,950	176,664,738	197,466,567	210,995,329	669,927
1993 (June 30)	⁷ 268	136,336,055	159,508,927	176,894,619	197,724,892	211,287,210	673,057
1994 (June 30)	⁷ 269	136,402,452	159,581,985	176,984,458	197,823,630	211,395,107	674,021
1995 (June 30)	⁷ 271	136,497,691	159,687,106	177,145,020	198,018,535	211,621,489	699,960
1996 (June 30)	⁷ 273	136,603,905	159,801,301	177,286,407	198,166,336	211,785,351	701,784
1998 (June 30)	⁷ 274	136,648,568	159,859,564	177,362,423	198,245,023	211,873,874	704,383

NA Not available. ¹ Corresponds to total MA population for 1960 published in 1960 census (112,885,178), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus metropolitan area). ² Corresponds to total 1960 population for 1970 MAs published in 1970 census (119,594,754), corrected by subtracting 1,256 population from Lawrence-Haverhill metropolitan area; this represented an addition to the 1960 population of Andover town made subsequent to the original census tabulations, and therefore not reflected in state or national totals. ³ Corresponds to total MA population for 1970 published in 1970 census (139,418,811), plus net corrections made subsequent to publication. ⁴ MAs as defined for the 1982 economic censuses. ⁵ MSAs and CMSAs. ⁶ MAs as defined for the 1987 economic censuses. ⁷ Data exclude the portion of Sullivan City in Crawford County, MO (1990 population 1,116) added to the St. Louis, MO-IL MSA by congressional action effective Dec. 22, 1987. ⁸ MAs as defined for the 1992 economic censuses.

Table B. Nonmetropolitan Population and Land Area as Defined at Specified Dates From 1960 to 1998

[See headnote for Table A. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within MAs at the dates specified]

Metropolitan area definition as of—	Population					Land area, 1990 (sq. mi.)
	1960 (April 1)	1970 (April 1)	1980 (April 1)	1990 (April 1)	1996 (July 1)	
1960 census (Nov. 1960)	66,438,036	72,319,370	85,752,378	93,621,247	101,534,031	3,231,027
1970 census (Feb. 28, 1971)	59,729,677	63,822,225	74,883,584	80,813,227	87,163,747	3,153,527
1980 census (June 30, 1981)	48,004,461	49,608,264	57,115,182	59,950,276	63,999,887	2,974,481
1985 (June 30)	46,436,041	47,601,208	54,376,349	56,573,909	(NA)	2,969,952
1987 (June 30)	46,319,730	47,469,343	54,211,258	56,364,478	59,995,894	2,967,484
1988 (June 30)	46,234,775	47,364,756	54,090,857	56,232,922	(NA)	2,966,208
1989 (June 30)	46,089,398	47,217,451	53,943,932	56,091,027	(NA)	2,965,146
1990 census (June 30, 1990)	46,047,763	47,164,694	53,865,935	55,984,132	59,589,973	2,959,632
1992 (Dec. 31)	43,151,372	43,977,081	49,883,008	51,243,306	54,288,454	2,866,411
1993 (June 30)	42,987,120	43,793,104	49,649,464	50,984,981	53,996,573	2,863,281
1994 (June 30)	42,920,723	43,720,046	49,557,741	50,886,243	53,888,676	2,862,317
1995 (June 30)	42,825,484	43,614,925	49,397,179	50,691,338	53,662,294	2,836,378
1996 (June 30)	42,719,270	43,500,730	49,255,792	50,543,537	53,498,432	2,834,554
1998 (June 30)	42,674,607	43,442,467	49,179,776	50,464,850	53,409,909	2,831,956

NA Not available.

Source of Tables A and B: U.S. Census Bureau, 1960-70, *U.S. Census of Population*, Vol. 1; *1980 Census of Population*, Vol. 1, Chapters A and B and *Supplementary Report, Metropolitan Statistical Areas (PC80-S1-18)*; *1990 Census of Population and Housing Data Paper, Listing (CPH-L-10 and CPH-L-118)*; *1990 Census of Population and Housing, Supplementary Reports, Metropolitan Areas as Defined by the Office of Management and Budget, June 30, 1993*, (1990 CPH-S-1-1); and *Population Paper Listing (PPL-60 and PPL-83)*.

Table C. Percent of Total U.S. Population and Percent of Land Area Inside MAs as Defined at Specified Dates From 1960 to 1998

[See headnote for Table A]

Metropolitan area definition as of—	Percent of population					Percent of land area, 1990
	1960 (April 1)	1970 (April 1)	1980 (April 1)	1990 (April 1)	1996 (July 1)	
1960 census (Nov. 1960)	63.0	64.4	62.1	62.4	61.7	8.7
1970 census (Feb. 28, 1971)	66.7	68.6	66.9	67.5	67.1	10.9
1980 census (June 30, 1981)	73.2	75.6	74.8	75.9	75.9	16.0
1985 (June 30)	74.1	76.6	76.0	77.3	(NA)	16.1
1987 (June 30)	74.2	76.7	76.1	77.3	77.4	16.2
1988 (June 30)	74.2	76.7	76.1	77.4	(NA)	16.2
1989 (June 30)	74.3	76.8	76.2	77.4	(NA)	16.2
1990 census (June 30, 1990)	74.3	76.8	76.2	77.5	77.5	16.4
1992 (Dec. 31)	75.9	78.4	78.0	79.4	79.5	18.9
1993 (June 30)	76.0	78.5	78.1	79.5	79.6	19.0
1994 (June 30)	76.1	78.5	78.1	79.5	79.7	19.1
1995 (June 30)	76.1	78.5	78.2	79.6	79.8	19.8
1996 (June 30)	76.2	78.6	78.3	79.7	79.8	19.8
1998 (June 30)	76.2	78.6	78.3	79.7	79.9	19.9

NA Not available.

Source: U.S. Census Bureau, 1960-70, *U.S. Census of Population*, Vol. 1; 1980 *Census of Population*, Vol. 1, Chapters A and B and *Supplementary Report, Metropolitan Statistical Areas* (PC80-S1-18); 1990 *Census of Population and Housing Data Paper Listing* (CPH-L-10 and CPH-L-118); 1990 *Census of Population and Housing, Supplementary Reports, Metropolitan Areas as Defined by the Office of Management and Budget, June 30, 1993*, (1990 CPH-S-1-1); and *Population Paper Listing* (PPL-60 and PPL-83).

Table D. New England County Metropolitan Areas (NECMAs)

[In thousands. As of July 1]

NECMA	Population, 1998	NECMA	Population, 1998	NECMA	Population, 1998
Bangor, ME	142	Burlington, VT	193	New London-Norwich, CT	246
Penobscot County	142	Chittenden County	143	New London County	246
Barnstable-Yarmouth, MA	208	Franklin County	44	Pittsfield, MA	133
Barnstable County	208	Grand Isle County	6	Berkshire County	133
Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH	5,867	Hartford, CT	1,110	Portland, ME	254
Bristol County, MA	518	Hartford County	828	Cumberland County	254
Essex County, MA	699	Middlesex County	150	Providence-Warwick-Pawtucket, RI	906
Middlesex County, MA	1,424	Tolland County	132	Bristol County	49
Norfolk County, MA	643	Lewiston-Auburn, ME	101	Kent County	162
Plymouth County, MA	468	Androscoggin County	101	Providence County	574
Suffolk County, MA	642	New Haven-Bridgeport-Stamford-Waterbury-Danbury, CT	1,632	Washington County	121
Worcester County, MA	732	Fairfield County	838	Springfield, MA	589
Hillsborough County, NH	363	New Haven County	794	Hampden County	440
Rockingham County, NH	271			Hampshire County	149
Strafford County, NH	109				

Source: U.S. Census Bureau, "County Population Estimates and Demographic Components of Population Change: July 1, 1990 to July 1, 1998," published 12 March 1999; <<http://www.census.gov/population/estimates/county/co-98-8/98C800.txt>>.

Table E. Metropolitan Areas Outside of New England and Their Components as of June 30, 1999

[Population estimated as of July 1, 1998. All metropolitan areas are arranged alphabetically. PMSAs are included under their respective CMSAs, see CMSA entry. This table presents data for MAs outside New England only]

	Population, 1998 (1,000)		Population, 1998 (1,000)		Population, 1998 (1,000)
Abilene, TX MSA	122	Auburn-Opelika, AL MSA	100	Bryan-College Station, TX MSA	133
Taylor County	122	Lee County	100	Brazos County	133
Albany, GA MSA	118	Augusta-Aiken, GA-SC MSA	458	Buffalo-Niagara Falls, NY MSA	1,153
Dougherty County	95	Columbia County, GA	91	Erie County	934
Lee County	23	McDuffie County, GA	22	Niagara County	218
Albany-Schenectady-Troy, NY MSA	872	Richmond County, GA	191	Canton-Massillon, OH MSA	402
Albany County	293	Aiken County, SC	134	Carroll County	29
Montgomery County	51	Edgefield County, SC	20	Stark County	373
Rensselaer County	153	Austin-San Marcos, TX MSA	1,106	Casper, WY MSA	63
Saratoga County	198	Bastrop County	50	Natrona County	63
Schenectady County	146	Caldwell County	32	Cedar Rapids, IA MSA	183
Schoharie County	32	Hays County	89	Linn County	183
Albuquerque, NM MSA	679	Travis County	711	Champaign-Urbana, IL MSA	168
Bernalillo County	526	Williamson County	224	Champaign County	168
Sandoval County	88	Bakersfield, CA MSA	631	Charleston-North Charleston, SC MSA	541
Valencia County	65	Kern County	631	Berkeley County	137
Alexandria, LA MSA	127	Baton Rouge, LA MSA	575	Charleston County	316
Rapides Parish	127	Ascension Parish	72	Dorchester County	88
Allentown-Bethlehem-Easton, PA MSA	617	East Baton Rouge Parish	395	Charleston, WV MSA	253
Carbon County	59	Livingston Parish	88	Kanawha County	202
Lehigh County	299	West Baton Rouge Parish	21	Putnam County	51
Northampton County	259	Beaumont-Port Arthur, TX MSA	376	Charlotte-Gastonia-Rock Hill, NC-SC MSA	1,383
Altoona, PA MSA	131	Hardin County	49	Cabarrus County, NC	120
Blair County	131	Jefferson County	242	Gaston County, NC	184
Amarillo, TX MSA	209	Orange County	85	Lincoln County, NC	58
Potter County	109	Bellingham, WA MSA	157	Mecklenburg County, NC	631
Randall County	100	Whatcom County	157	Rowan County, NC	126
Anchorage, AK MSA	255	Benton Harbor, MI MSA	160	Union County, NC	110
Anchorage Borough	255	Berrien County	160	York County, SC	154
Anniston, AL MSA	117	Billings, MT MSA	126	Charlottesville, VA MSA	149
Calhoun County	117	Yellowstone County	126	Albemarle County	78
Appleton-Oshkosh-Neenah, WI MSA	344	Biloxi-Gulfport-Pascagoula, MS MSA	349	Fluvanna County	19
Calumet County	38	Hancock County	40	Greene County	14
Outagamie County	156	Harrison County	178	Charlottesville city	38
Winnebago County	150	Jackson County	131	Chattanooga, TN-GA MSA	450
Asheville, NC MSA	214	Binghamton, NY MSA	249	Hamilton County, TN	295
Buncombe County	195	Broome County	197	Marion County, TN	27
Madison County	19	Tioga County	52	Catoosa County, GA	51
Athens, GA MSA	139	Birmingham, AL MSA	909	Dade County, GA	15
Clarke County	91	Blount County	46	Walker County, GA	63
Madison County	24	Jefferson County	660	Cheyenne, WY MSA	79
Oconee County	24	St. Clair County	62	Laramie County	79
Atlanta, GA MSA	3,746	Shelby County	141	Chicago-Gary-Kenosha, IL-IN-WI CMSA	8,810
Barrow County	40	Bismarck, ND MSA	91	Chicago, IL PMSA	7,939
Bartow County	72	Burleigh County	67	Cook County, IL	5,190
Carroll County	83	Morton County	25	DeKalb County, IL	84
Cherokee County	134	Bloomington, IN MSA	115	DuPage County, IL	880
Clayton County	209	Monroe County	115	Grundy County, IL	37
Cobb County	566	Bloomington-Normal, IL MSA	143	Kane County, IL	391
Coweta County	85	McLean County	143	Kendall County, IL	52
DeKalb County	594	Boise City, ID MSA	396	Lake County, IL	605
Douglas County	90	Ada County	276	McHenry County, IL	241
Fayette County	89	Canyon County	120	Will County, IL	459
Forsyth County	86	Brownsville-Harlingen, TX MSA	326	Gary, IN PMSA	624
Fulton County	739	Cameron County	326	Lake County, IN	478
Gwinnett County	522	Brownsville-Harlingen, TX MSA	326	Porter County, IN	146
Henry County	105	Brownsville-Harlingen, TX MSA	326	Kankakee, IL PMSA	102
Newton County	58	Brownsville-Harlingen, TX MSA	326	Kankakee County, IL	102
Paulding County	74	Brownsville-Harlingen, TX MSA	326	Kenosha, WI PMSA	144
Pickens County	20	Brownsville-Harlingen, TX MSA	326	Kenosha County, WI	144
Rockdale County	68	Brownsville-Harlingen, TX MSA	326		
Spalding County	58	Brownsville-Harlingen, TX MSA	326		
Walton County	54	Brownsville-Harlingen, TX MSA	326		

	Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)
Chico-Paradise, CA MSA . . .	195	Hunt County	71	Eau Claire, WI MSA	144
Butte County	195	Kaufman County	66	Chippewa County	55
		Rockwall County	37	Eau Claire County	89
Cincinnati-Hamilton, OH- KY-IN CMSA	1,948	Fort Worth-Arlington, TX MSA	1,593	El Paso, TX MSA	703
Cincinnati, OH-KY-IN PMSA	1,618	Hood County	37	El Paso County	703
Brown County, OH	41	Johnson County	118		
Clermont County, OH	176	Parker County	82	Elkhart-Goshen, IN MSA . . .	172
Hamilton County, OH	847	Tarrant County	1,355	Elkhart County	172
Warren County, OH	146				
Boone County, KY	80	Danville, VA MSA	108	Elmira, NY MSA	92
Campbell County, KY	87	Pittsylvania County	57	Chemung County	92
Gallatin County, KY	7	Danville city	51		
Grant County, KY	20			Enid, OK MSA	57
Kenton County, KY	147	Davenport-Moline- Rock Island, IA-IL MSA . . .	358	Garfield County	57
Pendleton County, KY	14	Scott County, IA	159		
Dearborn County, IN	47	Henry County, IL	52	Erie, PA MSA	276
Ohio County, IN	5	Rock Island County, IL	148	Erie County	276
Hamilton-Middletown, OH PMSA	330	Dayton-Springfield, OH MSA	949	Eugene-Springfield, OR MSA	314
Butler County, OH	330	Clark County	145	Lane County	314
		Greene County	147		
Clarksville-Hopkinsville, TN-KY MSA	200	Miami County	98	Evansville-Henderson, IN-KY MSA	291
Montgomery County, TN	127	Montgomery County	558	Posey County, IN	27
Christian County, KY	72			Vanderburgh County, IN	168
		Daytona Beach, FL MSA . . .	471	Warrick County, IN	52
Cleveland-Akron, OH CMSA	2,912	Flagler County	47	Henderson County, KY	44
Akron, OH PMSA	689	Volusia County	423		
Portage County	151			Fargo-Moorhead, ND-MN MSA	168
Summit County	538	Decatur, AL MSA	143	Cass County, ND	117
Cleveland-Lorain-Elyria, OH PMSA	2,223	Lawrence County	33	Clay County, MN	52
Ashtabula County	103	Morgan County	109		
Cuyahoga County	1,381			Fayetteville, NC MSA	285
Geauga County	89	Decatur, IL MSA	114	Cumberland County	285
Lake County	224	Macon County	114		
Lorain County	282			Fayetteville-Springdale- Rogers, AR MSA	273
Medina County	144	Denver-Boulder-Greeley, CO CMSA	2,365	Benton County	134
		Boulder-Longmont, CO PMSA	267	Washington County	138
Colorado Springs, CO MSA .	490	Boulder County	267	Flagstaff, AZ-UT MSA	120
El Paso County	490	Denver, CO PMSA	1,939	Coconino County, AZ	114
		Adams County	324	Kane County, UT	6
Columbia, MO MSA	129	Arapahoe County	473		
Boone County	129	Denver County	499	Florence, AL MSA	137
		Douglas County	141	Colbert County	53
Columbia, SC MSA	512	Jefferson County	502	Lauderdale County	84
Lexington County	205	Greeley, CO PMSA	159		
Richland County	307	Weld County	159	Florence, SC MSA	125
				Florence County	125
Columbus, GA-AL MSA	272	Des Moines, IA MSA	437	Fort Collins-Loveland, CO MSA	231
Chattahoochee County, GA	17	Dallas County	37	Larimer County	231
Harris County, GA	22	Polk County	360		
Muscogee County, GA	183	Warren County	40	Fort Myers-Cape Coral, FL MSA	393
Russell County, AL	50			Lee County	393
		Detroit-Ann Arbor-Flint, MI CMSA	5,458		
Columbus, OH MSA	1,470	Ann Arbor, MI PMSA	548	Fort Pierce-Port St. Lucie, FL MSA	295
Delaware County	92	Lenawee County	98	Martin County	116
Fairfield County	124	Livingston County	146	St. Lucie County	179
Franklin County	1,021	Washtenaw County	303		
Licking County	137	Detroit, MI PMSA	4,474	Fort Smith, AR-OK MSA . . .	194
Madison County	42	Lapeer County	88	Crawford County, AR	50
Pickaway County	54	Macomb County	788	Sebastian County, AR	106
		Monroe County	143	Sequoyah County, OK	38
Corpus Christi, TX MSA . . .	388	Oakland County	1,176		
Nueces County	316	St. Clair County	160	Fort Walton Beach, FL MSA	169
San Patricio County	71	Wayne County	2,118	Okaloosa County	169
		Flint, MI PMSA	436		
Corvallis, OR MSA	78	Genesee County	436	Fort Wayne, IN MSA	481
Benton County	78			Adams County	33
		Dothan, AL MSA	135	Allen County	314
Cumberland, MD-WV MSA . .	98	Dale County	49	De Kalb County	39
Allegany County, MD	71	Houston County	86	Huntington County	37
Mineral County, WV	27			Wells County	27
		Dover, DE MSA	124	Whitley County	30
Dallas-Fort Worth, TX CMSA	4,802	Kent County	124		
Dallas, TX PMSA	3,210			Fresno, CA MSA	870
Collin County	429	Dubuque, IA MSA	88	Fresno County	756
Dallas County	2,051	Dubuque County	88	Madera County	115
Denton County	384				
Ellis County	64	Duluth, MN-WI MSA	236		
Henderson County	109	St. Louis County, MN	193		
		Douglas County, WI	43		

	Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)
Gadsden, AL MSA	104	Galveston-Texas City, TX		Kalamazoo-Battle Creek,	
Etowah County	104	PMSA	246	MI MSA	446
Gainesville, FL MSA	199	Galveston County	246	Calhoun County	141
Alachua County	199	Houston, TX PMSA	3,932	Kalamazoo County	230
Glens Falls, NY MSA	122	Chambers County	24	Van Buren County	76
Warren County	61	Fort Bend County	338	Kansas City, MO-KS MSA	1,737
Washington County	60	Harris County	3,206	Cass County, MO	81
Goldsboro, NC MSA	112	Liberty County	65	Clay County, MO	176
Wayne County	112	Montgomery County	272	Clinton County, MO	19
Grand Forks, ND-MN MSA	98	Waller County	27	Jackson County, MO	655
Grand Forks County, ND	67	Huntington-Ashland,		Lafayette County, MO	33
Polk County, MN	31	WV-KY-OH MSA	314	Platte County, MO	70
Grand Junction, CO MSA	113	Cabell County, WV	94	Ray County, MO	24
Mesa County	113	Wayne County, WV	42	Johnson County, KS	430
Grand Rapids-Muskegon-		Boyd County, KY	50	Leavenworth County, KS	71
Holland, MI MSA	1,038	Carter County, KY	27	Miami County, KS	27
Allegan County	102	Greenup County, KY	37	Wyandotte County, KS	152
Kent County	545	Lawrence County, OH	64	Killeen-Temple, TX MSA	301
Muskegon County	167	Huntsville, AL MSA	340	Bell County	223
Ottawa County	224	Limestone County	62	Coryell County	78
Great Falls, MT MSA	79	Madison County	278	Knoxville, TN MSA	659
Cascade County	79	Indianapolis, IN MSA	1,519	Anderson County	71
Green Bay, WI MSA	215	Boone County	44	Blount County	101
Brown County	215	Hamilton County	163	Knox County	367
Greensboro-Winston-		Hancock County	55	Loudon County	397
Salem-High Point, NC		Hendricks County	95	Sevier County	65
MSA	1,168	Johnson County	109	Union County	16
Alamance County	119	Madison County	131	Kokomo, IN MSA	100
Davidson County	141	Marion County	813	Howard County	83
Davie County	32	Morgan County	66	Tipton County	17
Forsyth County	288	Shelby County	43	La Crosse, WI-MN MSA	122
Guilford County	388	Iowa City, IA MSA	103	La Crosse County, WI	103
Randolph County	121	Johnson County	103	Houston County, MN	19
Stokes County	43	Jackson, MI MSA	156	Lafayette, LA MSA	376
Yadkin County	35	Jackson County	156	Acadia Parish	58
Greenville, NC MSA	127	Jackson, MS MSA	430	Lafayette Parish	187
Pitt County	127	Hinds County	247	St. Landry Parish	84
Greenville-Spartanburg-		Madison County	73	St. Martin Parish	48
Anderson, SC MSA	918	Rankin County	110	Lafayette, IN MSA	172
Anderson County	161	Jackson, TN MSA	101	Clinton County	33
Cherokee County	49	Chester County	15	Tiptecanoe County	139
Greenville County	354	Madison County	86	Lake Charles, LA MSA	180
Pickens County	107	Jacksonville, FL MSA	1,045	Calcasieu Parish	180
Spartanburg County	247	Clay County	137	Lakeland-Winter Haven, FL	
Harrisburg-Lebanon-		Duval County	736	MSA	453
Carlisle, PA MSA	616	Nassau County	55	Polk County	453
Cumberland County	209	St. Johns County	116	Lancaster, PA MSA	456
Dauphin County	246	Jacksonville, NC MSA	142	Lancaster County	456
Lebanon County	117	Onslow County	142	Lansing-East Lansing, MI	
Perry County	44	Jamestown, NY MSA	138	MSA	450
Hattiesburg, MS MSA	111	Chautauqua County	138	Clinton County	63
Forrest County	74	Janesville-Beloit, WI MSA	151	Eaton County	101
Lamar County	37	Rock County	151	Ingham County	285
Hickory-Morganton, NC		Johnson City-Kingsport-		Laredo, TX MSA	188
MSA	323	Bristol, TN-VA MSA	462	Webb County	188
Alexander County	31	Carter County, TN	53	Las Cruces, NM MSA	169
Burke County	83	Hawkins County, TN	50	Dona Ana County	169
Caldwell County	76	Sullivan County, TN	151	Las Vegas, NV-AZ MSA	1,322
Catawba County	133	Unicoi County, TN	17	Clark County, NV	1,162
Honolulu, HI MSA	872	Washington County, TN	102	Nye County, NV	29
Honolulu County	872	Scott County, VA	23	Mohave County, AZ	131
Houma, LA MSA	194	Washington County, VA	49	Lawrence, KS MSA	93
Lafourche Parish	89	Bristol city, VA	17	Douglas County	93
Terrebonne Parish	105	Johnstown, PA MSA	236	Lawton, OK MSA	114
Houston-Galveston-		Cambria County	156	Comanche County	114
Brazoria, TX CMSA	4,408	Somerset County	80	Lexington, KY MSA	450
Brazoria, TX PMSA	230	Jonesboro, AR MSA	78	Bourbon County	19
Brazoria County	230	Craighead County	78	Clark County	32
		Joplin, MO MSA	149	Fayette County	242
		Jasper County	100		
		Newton County	49		

	Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)
Jessamine County	37	Tipton County, TN	47	St. John the Baptist Parish	42
Madison County	67	Crittenden County, AR	57	St. Tammany Parish	189
Scott County	31	DeSoto County, MS	90		
Woodford County	23				
Lima, OH MSA	154	Merced, CA MSA	198	New York-Northern New	
Allen County	107	Merced County	198	Jersey-Long Island,	
Auglaize County	47			NY-NJ-CT-PA CMSA (pt.)¹	18,401
Lincoln, NE MSA	236	Miami-Fort Lauderdale, FL		Bergen-Passaic, NJ	
Lancaster County	236	MSA	3,656	PMSA	1,344
		Fort Lauderdale, FL		Bergen County, NJ	859
		PMSA	1,503	Passaic County, NJ	486
		Broward County	1,503	Dutchess County, NY	
		Miami, FL PMSA	2,152	PMSA	265
		Miami-Dade County	2,152	Dutchess County, NY	265
				Jersey City, NJ PMSA	557
				Hudson County, NJ	557
		Milwaukee-Racine, WI		Middlesex-Somerset-	
		CMSA	1,646	Hunterdon, NJ PMSA	1,122
		Milwaukee-Waukesha, WI		Hunterdon County, NJ	122
		PMSA	1,460	Middlesex County, NJ	716
		Milwaukee County	912	Somerset County, NJ	283
		Ozaukee County	81	Monmouth-Ocean, NJ	
		Washington County	114	PMSA	1,093
		Waukesha County	353	Monmouth County, NJ	603
		Racine, WI PMSA	186	Ocean County, NJ	490
		Racine County	186	Nassau-Suffolk, NY PMSA	2,673
				Nassau County, NY	1,302
				Suffolk County, NY	1,371
		Minneapolis-St. Paul,		New York, NY PMSA	8,693
		MN-WI MSA	2,831	Bronx County, NY	1,196
		Anoka County, MN	292	Carver County, MN	2,268
		Carver County, MN	65	Chisago County, MN	41
		Chisago County, MN	41	Dakota County, MN	343
		Dakota County, MN	343	Hennepin County, MN	1,060
		Hennepin County, MN	1,060	Isanti County, MN	30
		Isanti County, MN	30	Ramsey County, MN	486
		Ramsey County, MN	486	Scott County, MN	79
		Scott County, MN	79	Sherburne County, MN	60
		Sherburne County, MN	60	Washington County, MN	196
		Washington County, MN	196	Wright County, MN	85
		Wright County, MN	85	Pierce County, WI	36
		Pierce County, WI	36	St. Croix County, WI	59
		St. Croix County, WI	59		
		Missoula, MT MSA	89		
		Missoula County	89		
		Mobile, AL MSA	532		
		Baldwin County	133		
		Mobile County	399		
		Modesto, CA MSA	426		
		Stanislaus County	426		
		Monroe, LA MSA	147		
		Ouachita Parish	147		
		Montgomery, AL MSA	322		
		Autauga County	42		
		Elmore County	62		
		Montgomery County	218		
		Muncie, IN MSA	117		
		Delaware County	117		
		Myrtle Beach, SC MSA	175		
		Horry County	175		
		Naples, FL MSA	199		
		Collier County	199		
		Nashville, TN MSA	1,156		
		Cheatham County	35		
		Davidson County	534		
		Dickson County	42		
		Robertson County	53		
		Rutherford County	166		
		Sumner County	124		
		Williamson County	118		
		Wilson County	84		
		New Orleans, LA MSA	1,309		
		Jefferson Parish	451		
		Orleans Parish	466		
		Plaquemines Parish	26		
		St. Bernard Parish	66		
		St. Charles Parish	48		
		St. James Parish	21		
				Ocala, FL MSA	242
				Marion County	242
				Odessa-Midland, TX MSA	245
				Ector County	126
				Midland County	120
				Oklahoma City, OK MSA	1,039
				Canadian County	85
				Cleveland County	201
				Logan County	31
				McCain County	26
				Oklahoma County	633
				Pottawatomie County	62
				Omaha, NE-IA MSA	694
				Cass County, NE	24
				Douglas County, NE	444
				Sarpy County, NE	121

	Population, 1998 (1,000)		Population, 1998 (1,000)		Population, 1998 (1,000)
Washington County, NE . . .	19	Provo-Orem, UT MSA	336	Saginaw-Bay City-Midland, MI MSA	402
Pottawattamie County, IA . . .	86	Utah County	336	Bay County	110
Orlando, FL MSA	1,505	Pueblo, CO MSA	135	Midland County	82
Lake County	202	Pueblo County	135	Saginaw County	210
Orange County	806	Punta Gorda, FL MSA	135	St. Cloud, MN MSA	162
Osceola County	146	Charlotte County	135	Benton County	34
Seminole County	351	Raleigh-Durham-Chapel Hill, NC MSA	1,080	Stearns County	128
Owensboro, KY MSA	91	Chatham County	45	St. Joseph, MO MSA	97
Daviess County	91	Durham County	202	Andrew County	16
Panama City, FL MSA	147	Franklin County	45	Buchanan County	82
Bay County	147	Johnston County	107	St. Louis, MO-IL MSA	2,564
Parkersburg-Marietta, WV-OH MSA	150	Orange County	110	Franklin County, MO	92
Wood County, WV	87	Wake County	571	Jefferson County, MO	196
Washington County, OH	63	Rapid City, SD MSA	88	Lincoln County, MO	37
Pensacola, FL MSA	400	Pennington County	88	St. Charles County, MO	272
Escambia County	282	Reading, PA MSA	356	St. Louis County, MO	999
Santa Rosa County	117	Berks County	356	Warren County, MO	25
Peoria-Pekin, IL MSA	345	Redding, CA MSA	164	St. Louis city, MO	339
Peoria County	182	Shasta County	164	Clinton County, IL	36
Tazewell County	128	Reno, NV MSA	314	Jersey County, IL	21
Woodford County	35	Washoe County	314	Madison County, IL	259
Philadelphia-Wilmington- Atlantic City, PA-NJ- DE- MD CMSA	5,988	Richland-Kennewick-Pasco, WA MSA	183	Monroe County, IL	27
Atlantic-Cape May, NJ MSA	336	Benton County	136	St. Clair County, IL	262
Atlantic County, NJ	238	Franklin County	46	Salinas, CA MSA	366
Cape May County, NJ	98	Richmond-Petersburg, VA MSA	957	Monterey County	366
Philadelphia, PA-NJ MSA	4,947	Charles City County	7	Salt Lake City-Ogden, UT MSA	1,268
Bucks County, PA	588	Chesterfield County	246	Davis County	233
Chester County, PA	422	Dinwiddie County	25	Salt Lake County	851
Delaware County, PA	543	Goochland County	18	Weber County	184
Montgomery County, PA	720	Hanover County	82	San Angelo, TX MSA	103
Philadelphia County, PA	1,436	Henrico County	246	Tom Green County	103
Burlington County, NJ	420	New Kent County	13	San Antonio, TX MSA	1,538
Camden County, NJ	505	Powhatan County	22	Bexar County	1,353
Gloucester County, NJ	248	Prince George County	30	Comal County	73
Salem County, NJ	65	Colonial Heights city	17	Guadalupe County	80
Vineland-Millville, Bridgeton, NJ PMSA	140	Hopewell city	23	Wilson County	31
Cumberland County, NJ	140	Petersburg city	35	San Diego, CA MSA	2,781
Wilmington-Newark, DE-MD PMSA	565	Richmond city	194	San Diego County	2,781
New Castle County, DE	483	Roanoke, VA MSA	228	San Francisco-Oakland- San Jose, CA CMSA	6,816
Cecil County, MD	83	Botetourt County	29	Oakland, CA PMSA	2,319
Phoenix-Mesa, AZ MSA	2,931	Roanoke County	81	Alameda County	1,400
Maricopa County	2,784	Roanoke city	94	Contra Costa County	918
Pinal County	147	Salem city	25	San Francisco, CA PMSA	1,683
Pine Bluff, AR MSA	82	Rochester, MN MSA	117	Marin County	237
Jefferson County	82	Olmsted County	117	San Francisco County	746
Pittsburgh, PA MSA	2,346	Rochester, NY MSA	1,082	San Mateo County	701
Allegheny County	1,268	Genesee County	61	San Jose, CA PMSA	1,641
Beaver County	184	Livingston County	66	Santa Clara County	1,641
Butler County	171	Monroe County	716	Santa Cruz-Watsonville, CA PMSA	243
Fayette County	145	Ontario County	100	Santa Cruz County	243
Washington County	206	Orleans County	45	Santa Rosa, CA PMSA	433
Westmoreland County	372	Wayne County	95	Sonoma County	433
Pocatello, ID MSA	75	Rockford, IL MSA	357	Vallejo-Fairfield-Napa, CA PMSA	497
Bannock County	75	Boone County	39	Napa County	119
Portland-Salem, OR-WA CMSA	2,149	Ogle County	51	Solano County	377
Portland-Vancouver, OR-WA PMSA	1,819	Winnebago County	268	San Luis Obispo- Atascadero-Paso Robles, CA MSA	234
Clackamas County, OR	335	Rocky Mount, NC MSA	146	San Luis Obispo County	234
Columbia County, OR	44	Edgecombe County	55	Santa Barbara-Santa Maria- Lompoc, CA MSA	390
Multnomah County, OR	631	Nash County	91	Santa Barbara County	390
Washington County, OR	400	Sacramento-Yolo, CA CMSA	1,686	Santa Fe, NM MSA	142
Yamhill County, OR	82	Sacramento, CA PMSA	1,532	Los Alamos County	18
Clark County, WA	327	El Dorado County	159	Santa Fe County	123
Salem, OR PMSA	330	Placer County	229	Sarasota-Bradenton, FL MSA	543
Marion County, OR	269	Sacramento County	1,144	Manatee County	240
Polk County, OR	62	Yolo, CA PMSA	154	Sarasota County	303
		Yolo County	154		

	Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)		Popu- lation, 1998 (1,000)
Savannah, GA MSA	286	Syracuse, NY MSA	735	District of Columbia, DC . . .	523
Bryan County	23	Cayuga County	81	Calvert County, MD	72
Chatham County	226	Madison County	71	Charles County, MD	118
Effingham County	36	Onondaga County	458	Frederick County, MD	187
		Oswego County	124	Montgomery County, MD	841
Scranton-Wilkes-Barre- Hazleton, PA MSA	615	Tallahassee, FL MSA	261	Prince George's County, MD	778
Columbia County	64	Gadsden County	44	Arlington County, VA	177
Lackawanna County	208	Leon County	217	Clarke County, VA	13
Luzerne County	314			Culpeper County, VA	33
Wyoming County	29	Tampa-St. Petersburg- Clearwater, FL MSA	2,257	Fairfax County, VA	929
Seattle-Tacoma-Bremerton, WA CMSA	3,424	Hernando County	127	Fauquier County, VA	54
Bremerton, WA PMSA	233	Hillsborough County	925	King George County, VA	17
Kitsap County	233	Pasco County	326	Loudoun County, VA	144
Olympia, WA PMSA	202	Pinellas County	878	Prince William County, VA	260
Thurston County	202			Spotsylvania County, VA	84
Seattle-Bellevue-Everett, WA PMSA	2,313	Terre Haute, IN MSA	149	Stafford County, VA	87
Island County	70	Clay County	27	Warren County, VA	30
King County	1,655	Vermillion County	17	Alexandria city, VA	118
Snohomish County	588	Vigo County	105	Fairfax city, VA	21
Tacoma, WA PMSA	677			Falls Church city, VA	10
Pierce County	677	Texarkana, TX-Texarkana, AR MSA	123	Fredericksburg city, VA	22
		Bowie County, TX	84	Manassas city, VA	35
		Miller County, AR	40	Manassas Park city, VA	9
				Berkeley County, WV	71
Sharon, PA MSA	122	Toledo, OH MSA	610	Jefferson County, WV	41
Mercer County	122	Fulton County	42		
		Lucas County	449	Waterloo-Cedar Falls, IA MSA	121
Sheboygan, WI MSA	110	Wood County	119	Black Hawk County	121
Sheboygan County	110				
		Topeka, KS MSA	165	Wausau, WI MSA	123
Sherman-Denison, TX MSA	103	Shawnee County	165	Marathon County	123
Grayson County	103				
		Tucson, AZ MSA	791		
Shreveport-Bossier City, LA MSA	379	Pima County	791	West Palm Beach-Boca Raton, FL MSA	1,033
Bossier Parish	93			Palm Beach County	1,033
Caddo Parish	242	Tulsa, OK MSA	777		
Webster Parish	43	Creek County	67	Wheeling, WV-OH MSA	153
		Osage County	43	Marshall County, WV	35
Sioux City, IA-NE MSA	120	Rogers County	68	Ohio County, WV	48
Woodbury County, IA	102	Tulsa County	544	Belmont County, OH	69
Dakota County, NE	19	Wagoner County	55		
				Wichita, KS MSA	544
Sioux Falls, SD MSA	163	Tuscaloosa, AL MSA	161	Butler County	62
Lincoln County	20	Tuscaloosa County	161	Harvey County	34
Minnehaha County	143			Sedgwick County	448
		Tyler, TX MSA	169		
South Bend, IN MSA	258	Smith County	169	Wichita Falls, TX MSA	137
St. Joseph County	258			Archer County	8
		Utica-Rome, NY MSA	295	Wichita County	129
Spokane, WA MSA	409	Herkimer County	64		
Spokane County	409	Oneida County	231	Williamsport, PA MSA	117
				Lycoming County	117
Springfield, IL MSA	204	Victoria, TX MSA	83		
Menard County	12	Victoria County	83	Wilmington, NC MSA	218
Sangamon County	191			Brunswick County	68
		Visalia-Tulare-Porterville, CA MSA	355	New Hanover County	150
Springfield, MO MSA	305	Tulare County	355		
Christian County	49			Yakima, WA MSA	218
Greene County	227	Waco, TX MSA	203	Yakima County	218
Webster County	29	McLennan County	203		
				York, PA MSA	373
State College, PA MSA	133	Washington-Baltimore, DC-MD-VA-WV CMSA	7,285	York County	373
Centre County	133	Baltimore, MD PMSA	2,484		
		Anne Arundel County, MD	476	Youngstown-Warren, OH MSA	592
Steubenville-Weirton, OH-WV MSA	135	Baltimore County, MD	722	Columbiana County	112
Jefferson County, OH	75	Carroll County, MD	150	Mahoning County	255
Brooke County, WV	26	Harford County, MD	215	Trumbull County	225
Hancock County, WV	34	Howard County, MD	236		
		Queen Anne's County, MD	40	Yuba City, CA MSA	137
Stockton-Lodi, CA MSA	550	Baltimore city, MD	646	Sutter County	77
San Joaquin County	550	Hagerstown, MD PMSA	127	Yuba County	60
		Washington County, MD	127		
Sumter, SC MSA	107	Washington, DC-MD-VA- WV PMSA	4,674	Yuma, AZ MSA	132
Sumter County	107			Yuma County	132

¹ Five PMSAs of the New York-Northern New Jersey-Long Island, NY-NJ-CTPA CMSA are in Connecticut and therefore do not appear in this table; also, the CMSA's population shown here reflects the absence of those PMSAs.

Source: U.S. Census Bureau, "County Population Estimates and Demographic Components of Population Change: July 1, 1990 to July 1, 1998;" published 12 March 1999; <<http://www.census.gov/population/estimates/county/co-98-8/98C800.txt>>.