

# Impact of Methodological Changes upon Population Estimates for 2006

Geographic Area	Revision of 2006 Estimate			
	Prior Estimate	New Estimate	Change	Percent Change
<b>Michigan</b>	<b>10,095,643</b>	<b>10,102,322</b>	<b>+6,679</b>	<b>+0.1%</b>
<b>MEDC Regions:</b>				
MEDC Region 1 (Upper Peninsula)	312,153	310,747	-1,406	-0.5%
MEDC Region 2 (Northern L.P.)	611,594	605,452	-6,142	-1.0%
MEDC Region 3 (East Central)	1,295,547	1,285,576	-9,971	-0.8%
MEDC Region 4 (West)	3,002,062	2,996,904	-5,158	-0.2%
MEDC Region 5 (Southeast)	4,874,287	4,903,643	+29,356	+0.6%
<b>Planning Regions:</b>				
Region 1 (Southeast)	4,874,287	4,903,643	+29,356	+0.6%
Region 2 (Jackson Tri-County)	313,248	311,364	-1,884	-0.6%
Region 3 (South Central)	547,262	549,332	+2,070	+0.4%
Region 4 (Southwest)	292,052	288,306	-3,746	-1.3%
Region 5 (GLS)	608,639	602,592	-6,047	-1.0%
Region 6 (Lansing Tri-County)	454,044	456,736	+2,692	+0.6%
Region 7 (East Central)	792,775	787,667	-5,108	-0.6%
Region 8 (West)	1,165,330	1,163,087	-2,243	-0.2%
Region 9 (Northeast)	142,509	140,643	-1,866	-1.3%
Region 10 (Northwest)	298,796	296,794	-2,002	-0.7%
Region 11 (Eastern UP)	56,408	56,315	-93	-0.2%
Region 12 (Central UP)	173,383	172,588	-795	-0.5%
Region 13 (Western UP)	82,362	81,844	-518	-0.6%
Region 14 (West Shoreline)	294,548	291,411	-3,137	-1.1%
<b>Consolidated Statistical Areas:</b>				
Detroit-Warren-Flint	5,410,014	5,434,011	+23,997	+0.4%
Grand Rapids-Muskegon-Holland	1,320,487	1,316,579	-3,908	-0.3%
Lansing-East Lansing-Owosso	526,956	528,960	+2,004	+0.4%
Saginaw-Bay City	314,690	312,977	-1,713	-0.5%
SUBTOTAL	7,572,147	7,592,527	+20,380	+0.3%
<b>Metropolitan Statistical Areas:</b>				
Ann Arbor	344,047	347,792	+3,745	+1.1%
Battle Creek	137,991	137,536	-455	-0.3%
Bay City	108,390	108,053	-337	-0.3%
Detroit-Warren-Livonia	4,468,966	4,494,906	+25,940	+0.6%
Flint	441,966	437,993	-3,973	-0.9%
Grand Rapids-Wyoming	774,084	772,797	-1,287	-0.2%
Holland-Grand Haven	257,671	257,172	-499	-0.2%
Jackson	163,851	163,093	-758	-0.5%
Kalamazoo-Portage	319,738	322,317	+2,579	+0.8%
Lansing-East Lansing	454,044	456,736	+2,692	+0.6%
Monroe	155,035	153,320	-1,715	-1.1%
Muskegon-Norton Shores	175,231	174,240	-991	-0.6%
Niles-Benton Harbor	161,705	159,547	-2,158	-1.3%
Saginaw-Saginaw Township North	206,300	204,924	-1,376	-0.7%
South Bend-Mishawaka (Mich. portion)	51,329	50,654	-675	-1.3%
SUBTOTAL	8,220,348	8,241,080	+20,732	+0.3%

**Source:**

U.S. Census Bureau, Estimated Population of Counties for April 2000 to July 2007. These estimates were developed by the Population Division of the U.S. Census Bureau through the Federal-State Cooperative for Population Estimates.  
Release Date: March 20, 2008.

**Notes:**

Due to several methodological changes, the new estimates for 2006 and prior years to differ from estimates that have been released previously.

(1) Estimates of county-to-county migration are now based primarily on a comparison of addresses on federal tax forms filed in the two most recent years for each tax filer and dependent. In prior years, migration was estimated on a household basis using address changes for the principal tax filer. The new approach captures more movement of young adults who leave their family home to attend college, join the military, start a household, etc. This tends to increase the estimated population of central metropolitan counties and counties with colleges or military bases. It tends to decrease the population of other counties.

(2) The Census Bureau has determined that previous estimates of international immigration were too high. Improving this aspect of the methodology reduced population estimates throughout the nation, but the largest reductions tended to occur in large cities and in states that attract a large number of foreign immigrants.

(3) Several communities around the nation, including Detroit, filed challenges to their population estimates for 2006. The Census Bureau accepted these challenges. Detroit's challenge increased the new 2006 population estimates for Detroit, Wayne County, and the state of Michigan by nearly 50,000 people. However, the population estimates for Michigan and for Michigan communities other than Detroit were also reduced by 30,000 people to compensate for estimate challenges that were filed in other states. The estimated population change from 2006 to 2007 was not affected by the challenges.

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	Prior Estimate	New Estimate	Change	Percent Change
<b>Micropolitan Statistical Areas:</b>				
Adrian	102,191	101,372	-819	-0.8%
Allegan	113,501	112,370	-1,131	-1.0%
Alma	42,107	42,206	+99	+0.2%
Alpena	30,067	29,814	-253	-0.8%
Big Rapids	42,252	42,370	+118	+0.3%
Cadillac	47,191	46,713	-478	-1.0%
Coldwater	45,875	46,283	+408	+0.9%
Escanaba	38,156	37,725	-431	-1.1%
Houghton	37,517	37,509	-8	-0.0%
Iron Mountain	27,447	27,029	-418	-1.5%
Marinette-Menominee (Mich. portion)	24,696	24,381	-315	-1.3%
Marquette	64,675	65,222	+547	+0.8%
Midland	83,792	82,964	-828	-1.0%
Mount Pleasant	65,818	66,604	+786	+1.2%
Owosso	72,912	72,224	-688	-0.9%
Sault Ste. Marie	38,674	38,648	-26	-0.1%
Sturgis	62,777	62,388	-389	-0.6%
Traverse City	142,046	141,213	-833	-0.6%
SUBTOTAL	1,081,694	1,077,035	-4,659	-0.4%
<b>Non-Designated Areas:</b>				
SUBTOTAL:	793,601	784,207	-9,394	-1.2%
<b>Old Metropolitan Statistical Areas (1993 Definitions):</b>				
Ann Arbor MSA	630,749	631,480	+731	+0.1%
Benton Harbor MSA	161,705	159,547	-2,158	-1.3%
Detroit MSA	4,439,490	4,465,910	+26,420	+0.6%
Flint MSA	441,966	437,993	-3,973	-0.9%
Grand Rapids MSA	1,145,927	1,144,399	-1,528	-0.1%
Jackson MSA	163,851	163,093	-758	-0.5%
Kalamazoo-Battle Creek MSA	457,729	459,853	+2,124	+0.5%
Lansing MSA	454,044	456,736	+2,692	+0.6%
Saginaw-Bay City-Midland MSA	398,482	395,941	-2,541	-0.6%
SUBTOTAL	8,293,943	8,314,952	+21,009	+0.3%
<b>Old Metropolitan Categories (1993 Definitions):</b>				
Central Metropolitan Counties	4,828,476	4,870,378	+41,902	+0.9%
Fringe Metropolitan Counties	3,465,467	3,444,574	-20,893	-0.6%
Non-Metro: Southern Lower Peninsula	833,921	827,689	-6,232	-0.7%
Non-Metro: Northern Lower Peninsula	655,626	648,934	-6,692	-1.0%
Non-Metro: Upper Peninsula	312,153	310,747	-1,406	-0.5%
<b>Metropolitan Categories</b>				
Metropolitan Counties	8,220,348	8,241,080	+20,732	+0.3%
Principal Metropolitan Counties	4,742,100	4,779,758	+37,658	+0.8%
Secondary Metropolitan Counties	3,478,248	3,461,322	-16,926	-0.5%
Lower Peninsula Non-Metro Counties	951,548	945,043	-6,505	-0.7%
Micropolitan	631,225	628,781	-2,444	-0.4%
Non-Micropolitan	320,323	316,262	-4,061	-1.3%
Northern Lower Peninsula	611,594	605,452	-6,142	-1.0%
Northeast	124,084	122,561	-1,523	-1.2%
North Central	124,292	122,765	-1,527	-1.2%
Northwest	363,218	360,126	-3,092	-0.9%
Upper Peninsula	312,153	310,747	-1,406	-0.5%

**Notes** (continued from prior page):

Each of the three changes discussed above has a different effect upon Michigan's estimated population. The first change reduces Michigan's population and its share of the nation's population, since the number of people who leave Michigan to attend college or join the military is larger than the number of students and military personnel who come to Michigan from other states. The second change also reduces Michigan's population, but it increases Michigan's share of the nation's population because the reductions were greater in many other states. The third change increases Michigan's population and its share of the nation's population.

The net effect of all the methodological changes was to increase Michigan's estimated population by 6,700 people and to increase its share of the nation's population from 3.37% to 3.38%.