

**UMass Donahue Institute Summary of
The U.S. Census Bureau's 2011 State-Level Population Estimates**

On December 21, 2011, the U.S. Census Bureau released population estimates for the nation, states, and Puerto Rico for July 1, 2011. This is the first set of post-Census 2010 population estimates released by the U.S. Census Bureau.

According to 2011 estimates release, the Massachusetts population increased by 39,907 from the April 1, 2010 Census estimates base to July 1, 2011, to a new total of 6,587,536 persons. This 0.6% increase puts Massachusetts' growth ahead of the Northeast average, and ranks it as the fastest growing state in the Northeast region in terms of percentage growth. At the national level, it is ranked 33rd for percentage growth, and 20th for numerical growth.

The table below shows the numerical growth, percentage growth, and rankings for the United States, United States regions, and the Northeast states, including Massachusetts. To see data for all U.S. states and Puerto Rico, link to the Census Bureau website at: <http://www.census.gov/popest/estimates.html>

Cumulative Estimates of Resident Population Change for the United States, Regions, and Northeast States and State								
Rankings: April 1, 2010 to July 1, 2011								
Geographic Area	Population Estimates		Change, 2010 to 2011		National Ranking of Regions and States			
	April 1, 2010 Base	July 1, 2011	Number	Percent	Population Estimates		Change, 2010 to 2011	
					April 1, 2010 Base	July 1, 2011	Number	Percent
United States	308,745,538	311,591,917	2,846,379	0.9	(X)	(X)	(X)	(X)
Northeast	55,317,244	55,521,598	204,354	0.4	4	4	4	3
Midwest	66,926,987	67,158,835	231,848	0.3	3	3	3	4
South	114,555,757	116,046,736	1,490,979	1.3	1	1	1	1
West	71,945,550	72,864,748	919,198	1.3	2	2	2	2
Connecticut	3,574,097	3,580,709	6,612	0.2	29	29	44	44
Maine	1,328,361	1,328,188	-173	-	41	41	49	49
Massachusetts	6,547,629	6,587,536	39,907	0.6	14	14	20	33
New Hampshire	1,316,472	1,318,194	1,722	0.1	42	42	47	45
New Jersey	8,791,894	8,821,155	29,261	0.3	11	11	24	41
New York	19,378,104	19,465,197	87,093	0.4	3	3	10	37
Pennsylvania	12,702,379	12,742,886	40,507	0.3	6	6	18	42
Rhode Island	1,052,567	1,051,302	-1,265	-0.1	43	43	50	51
Vermont	625,741	626,431	690	0.1	49	49	48	47

Note: The April 1, 2010 Population Estimates base reflects changes to the Census 2010 population from geographic program revisions. It does not reflect changes from the Count Question Resolution program. See Geographic Terms and Definitions at <http://www.census.gov/popest/about/geo/terms.html> for a list of the states that are included in each region. (X) Not applicable

Source: U.S. Census Bureau, Population Division. Cumulative Estimates of Resident Population Change for the United States, Regions, States, and Puerto Rico and Region and State Rankings: April 1, 2010 to July 1, 2011 (NST-EST2011-02). Release Date: December 2011.

Compared to other parts of the U.S., the Massachusetts increase of 0.6% is less than half the percentage growth experienced in the Southern and Western states of the U.S., where the average is 1.3%; however Massachusetts is growing twice as fast as the Midwestern region, which is growing at about 0.3%. This growth continues the trend seen over the last decade, where Southern and Western states' growth significantly outpaced the Northeast and the Midwest. It also continues an upward growth trend experienced by Massachusetts toward the end of the last decade.

From the July 1, 2000 estimate to the July 1, 2010 estimate, the average growth for Massachusetts was about 0.3% per year, with an average population increase of just 19,245 per year. From 2001 to 2004, Massachusetts' growth rates, along with the Northeast rates, were actually declining, and only turned around after 2005 due largely to a reversal of domestic out-migration. Starting in 2007, the Massachusetts growth percentage overtook the Northeast growth percentage, at 0.5% for Massachusetts over 0.3% for the Northeast for that year and by increasing percentage points thereafter. While both the Northeast region and Massachusetts have increased their growth percentage since that year, Massachusetts was still growing faster than the Northeast in 2011. For this estimates period, Massachusetts has increased by 0.6% compared to a 0.4% for the Northeast region.

Components of Change

The U.S. Census Bureau produces revised estimates each year by applying updated components of change to the estimates 2010 base (April 1, 2010). The estimated numerical change occurring in these components since the 2010 estimate (July, 1, 2010) are published by the U.S. Census Bureau as part of the 2011 estimates data. These components include the numbers of **births** and **deaths**, which together equal the **natural increase**, as well as **domestic migration** (migration to and from other states within the U.S.) and **international migration** (migration to and from other countries) which sum to the **net migration** component. A fifth component, the **group quarters population**, is factored into the estimates base for the previous year, but is not broken out as a separate number in this published release.

The table below shows the numerical estimates for the components of change for Massachusetts, along with the United States and U.S. regions for comparison. In it we see that Massachusetts experienced an estimated 73,368 births and 52,355 deaths during the estimates period, for a natural increase total of 21,013 (number of births less number of deaths.) At the same time, Massachusetts experienced a net outflow of 8,299 persons to other states in the U.S., and a net inflow of 19,664 persons from other countries, for a net migration total of 11,365.

Estimates of the Components of Resident Population Change for the United States, Regions and Massachusetts: July 1, 2010 to July 1, 2011							
Geographic Area	Total Population Change ¹	Natural Increase	Vital Events		Net Migration		
			Births	Deaths	Total	International ²	Domestic
United States	2,261,698	1,557,874	4,008,000	2,450,126	703,824	703,824	(X)
Northeast	155,490	186,308	644,052	457,744	-29,190	143,923	-173,113
Midwest	182,377	274,777	844,948	570,171	-92,102	86,892	-178,994
South	1,189,207	590,025	1,534,432	944,407	596,698	262,273	334,425
West	734,624	506,764	984,568	477,804	228,418	210,736	17,682
Massachusetts	32,070	21,013	73,368	52,355	11,365	19,664	-8,299

¹ Total population change includes a residual. This residual represents the change in population that cannot be attributed to any specific demographic component. See State and County Terms and Definitions at <http://www.census.gov/popest/about/terms/stco.html>. (X) Not applicable.

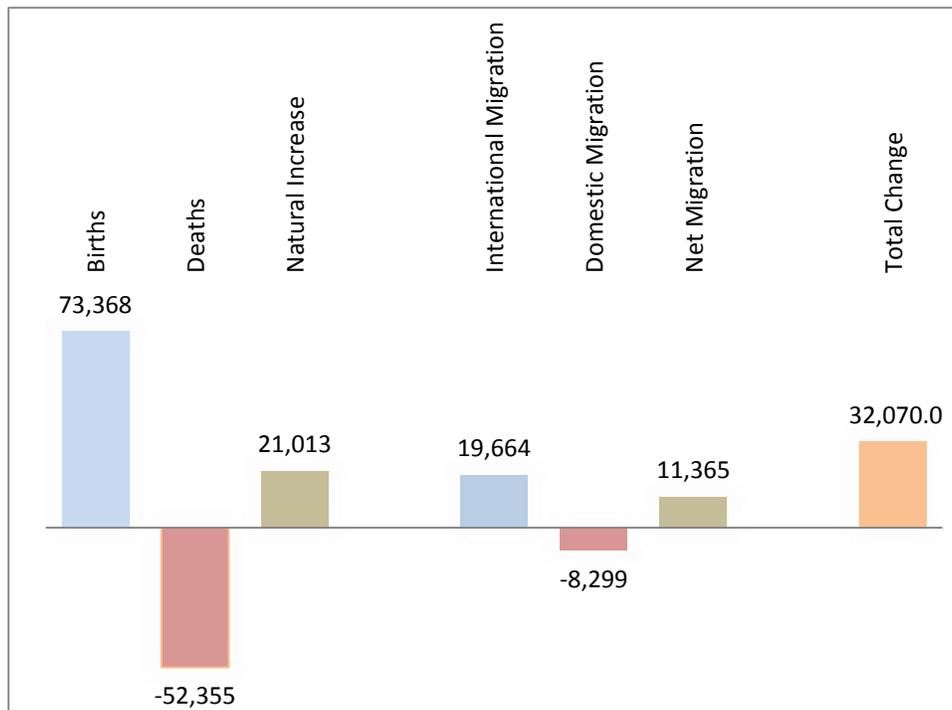
² Net international migration for the United States, regions, and states includes the international migration of both native and foreign-born populations. Specifically, it includes: (a) the net international migration of the foreign born, (b) the net migration between the United States and Massachusetts, (c) the net migration of natives to and from the United States, and (d) the net movement of the Armed Forces population between the United States and overseas. Net international migration for Puerto Rico includes only the international migration of native and foreign-born populations between the United States and Massachusetts.

Source: U.S. Census Bureau, Population Division. Estimates of the Components of Resident Population Change for the United States, Regions and Massachusetts: July 1, 2010 to July 1, 2011 (NST-EST2011-05). Release Date: December 2011.

In the last part of the last decade - in the estimates year 2009 - Massachusetts saw a reversal in domestic migration from a negative (people leaving Massachusetts to other parts of the U.S.) to a positive (people coming into Massachusetts from other parts of the U.S.). Domestic out-migration from Massachusetts peaked in the middle of the last decade with an estimated net outflow of 55,077 persons leaving Massachusetts for other parts of the United States in 2005. This outflow was reduced significantly in 2007 (by 37%) and again in 2008 (by 63%), and then finally reversed to a positive in-flow in 2009, with an estimated 3,614 net persons moving into Massachusetts from other U.S. states.

The 2011 estimates data shows that, once again, more people within the U.S. are leaving Massachusetts than moving into it; however this number is still below levels in 2008 (when 9,724 persons moved to other U.S. states) and well below the peak in 2005 of 55,077 net persons leaving. Finally, as is usual for Massachusetts, the international migration component of persons moving into the state from other countries offsets the negative domestic out-migration, for a positive net migration total.

The following chart displays both the natural increase and the net migration components for Massachusetts from July 1, 2010 to July 1, 2011. It shows that the number of births in Massachusetts in 2011 was greater than the number of deaths, leading to a positive net *natural increase*. At the same time, a positive international migration number offsets a negative domestic migration number to sum to an increase in the *net migration*. The balance of change unaccounted for within these components is due to residual changes and to changes in the group quarters population component which are not broken-out as published data in this release.



Rates of the Components of Change

Another way to look at this information is to consider the rate of each change component, with rates being calculated per 1,000 average population. The table below shows the rate of each change component for the United States, U.S. Regions, and Massachusetts for comparative purposes. It indicates that for Massachusetts,

births are occurring at a lower rate (11.2) than in the United States as a whole (12.9) as well as all of its regions. Deaths in Massachusetts are occurring at a lower rate (8.0) than all regions of the U.S. except the West (6.6), and just slightly above the overall U.S. rate (7.9). Combined, these vital events lead to a natural increase rate (3.2) that is below that of the U.S. as a whole (5.0) and all of its regions. Within the migration component, we see that the Northeast and Midwest regions have the highest rates of domestic out-migration (-3.1 and -2.7) while the Southern and Western regions have positive domestic migration (2.9 and 0.2). Massachusetts' outmigration rate of -1.3 is less than that of the Northwest and Northeast regional averages, but still indicates a domestic outmigration to Southern and Western states. On the other hand, the international migration rate for Massachusetts at 3.0% is higher than the U.S. as a whole as well as all of its distinct regions.

These rates continue to a large degree the component trends of the last decade. From 2000 to 2010, two areas of the United States - the South and the West - showed positive internal migration for the whole decade, meaning that a net influx of persons from other states in the Northeast and Midwest added to their population over those years.

Estimates of the Annual Rates ¹ of the Components of Resident Population Change for the United States, Regions and Massachusetts: July 1, 2010 to July 1, 2011							
Geographic Area	Total Population Change ²	Natural Increase	Vital Events		Net Migration		
			Births	Deaths	Total	International ³	Domestic
United States	7.3	5.0	12.9	7.9	2.3	2.3	(X)
Northeast	2.8	3.4	11.6	8.3	-0.5	2.6	-3.1
Midwest	2.7	4.1	12.6	8.5	-1.4	1.3	-2.7
South	10.3	5.1	13.3	8.2	5.2	2.3	2.9
West	10.1	7.0	13.6	6.6	3.2	2.9	0.2
Massachusetts	4.9	3.2	11.2	8.0	1.7	3.0	-1.3

¹ Rates per 1,000 average population. ² Total population change includes a residual. This residual represents the change in population that cannot be attributed to any specific demographic component. See State and County Terms and Definitions at <http://www.census.gov/popest/about/terms/stco.html>. ³ Net international migration for the United States, regions, and states includes the international migration of both native and foreign-born populations. Specifically, it includes: (a) the net international migration of the foreign born, (b) the net migration between the United States and Puerto Rico, (c) the net migration of natives to and from the United States, and (d) the net movement of the Armed Forces population between the United States and overseas. (X) Not applicable.

Source: U.S. Census Bureau, Population Division. Estimates of the Annual Rates¹ of the Components of Resident Population Change for the United States, Regions, States, and Puerto Rico: July 1, 2010 to July 1, 2011 (NST-EST2011-06). Release Date: December 2011.

Additional Information and estimates data can be found on the U.S. Census Bureau's website at <http://www.census.gov/popest/data/index.html>.

Many of the trends from the last decade described in this summary are reviewed in greater detail and with trend charts in the *UMass Donahue Institute Summary of The U.S. Census Bureau's 2009 State-Level Population Estimates* found at <http://www.massbenchmarks.org/statedata/news.htm> under 12/23/09.

Summary prepared by:
 Susan Strate and William Proulx
 Population Estimates Program
 UMass Donahue Institute
 December 21, 2011