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## Population Shifts

in the

## Pioneer Valley Region

## An Examination of the Region's Changing Population Between 2000-2010

Between 2000 and 2010 the population of the Pioneer Valley region grew by about 2.2%, slightly less than the 3.1% experienced by the State of Massachusetts as a whole. The modest growth in the region coincided with increased suburban sprawl as the populations of the region's most urbanized communities remained fairly stable while more substantial population growth occurred in the outlying areas as depicted in Figure 1. Note that the areas of growth represented by the two darkest shades are generally located in the more rural areas of the region.

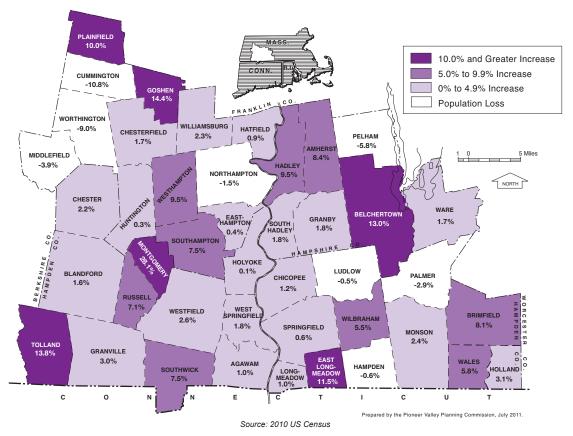


Figure 1: Population Change in The Pioneer Valley Region (2000 - 2010)

The three largest cities in the Pioneer Valley region, Springfield, Chicopee, and Holyoke, experienced a combined overall population increase of 1,665 residents or 0.7 percent. In sharp contrast, Belchertown alone grew by 1,681 residents, or 13 percent. Other communities that experienced significant growth include Montgomery<sup>1</sup> at 28.1%, Goshen at 14.4%, Tolland at 13.8%, East Longmeadow at 11.5%, Plainfield at 10%, both Hadley and Westhampton at 9.5%, and Amherst at 8.4 percent. Amherst, with a total increase of nearly 3,000 residents, had the largest population increase in the region.

It should be noted that the Town of Montgomery believes that the 2000 Census population count undercounted Montgomery residents, thus the increase in population from 2000 to 2010 may not be as large as the Census Bureau numbers indicate. Data from other sources such as residential parcel counts suggest that the suspicion of a 2000 undercount may be accurate.

|                       | Total Pop | oulation  |         |          | Population       | Density | (Persons | per Square | re Mile) |  |
|-----------------------|-----------|-----------|---------|----------|------------------|---------|----------|------------|----------|--|
|                       | 2000      | 2010      | Change  | % Change | Land (sq. miles) | 2000    | 2010     | Change     | % Change |  |
| Massachusetts         | 6,349,097 | 6,547,629 | 198,532 | 3.1%     | 7,800.1          | 810     | 839.4    | 29.4       | 3.6%     |  |
| Hampden County        | 456,228   | 463,490   | 7,262   | 1.6%     | 617.1            | 737.6   | 751.0    | 13.4       | 1.8%     |  |
| Hampshire County      | 152,251   | 158,080   | 5,829   | 3.8%     | 504.4            | 287.8   | 313.4    | 25.6       | 8.9%     |  |
| Pioneer Valley Region | 608,479   | 621,570   | 13,091  | 2.2%     | 1121.5           | 530.2   | 554.2    | 24.0       | 4.5%     |  |
| Agawam                | 28,144    | 28,438    | 294     | 1.0%     | 23.3             | 1210.9  | 1220.0   | 9.1        | 0.8%     |  |
| Amherst               | 34,874    | 37,819    | 2,945   | 8.4%     | 27.6             | 1259.8  | 1370.0   | 110.2      | 8.8%     |  |
| Belchertown           | 12,968    | 14,649    | 1,681   | 13.0%    | 52.6             | 245.9   | 278.3    | 32.4       | 13.2%    |  |
| Blandford             | 1,214     | 1,233     | 19      | 1.6%     | 51.6             | 23.5    | 23.9     | 0.4        | 1.7%     |  |
| Brimfield             | 3,339     | 3,609     | 270     | 8.1%     | 34.7             | 96.0    | 103.9    | 7.9        | 8.2%     |  |
| Chester               | 1,308     | 1,337     | 29      | 2.2%     | 36.6             | 35.6    | 36.5     | 0.9        | 2.6%     |  |
| Chesterfield          | 1,201     | 1,222     | 21      | 1.7%     | 30.9             | 38.6    | 39.6     | 1.0        | 2.6%     |  |
| Chicopee              | 54,653    | 55,298    | 645     | 1.2%     | 22.8             | 2388.9  | 2422.1   | 33.2       | 1.4%     |  |
| Cummington            | 978       | 872       | -106    | -10.8%   | 22.9             | 42.4    | 38.1     | -4.3       | -10.2%   |  |
| East Longmeadow       | 14,100    | 15,720    | 1,620   | 11.5%    | 13.0             | 1087.3  | 1208.6   | 121.3      | 11.2%    |  |
| Easthampton           | 15,994    | 16,053    | 59      | 0.4%     | 13.3             | 1192.3  | 1204.3   | 12.0       | 1.0%     |  |
| Goshen                | 921       | 1,054     | 133     | 14.4%    | 17.3             | 53.0    | 60.9     | 7.9        | 14.9%    |  |
| Granby                | 6,132     | 6,240     | 108     | 1.8%     | 27.8             | 220.0   | 224.2    | 4.2        | 1.9%     |  |
| Granville             | 1,521     | 1,566     | 45      | 3.0%     | 42.2             | 36.0    | 37.1     | 1.1        | 3.1%     |  |
| Hadley                | 4,793     | 5,250     | 457     | 9.5%     | 23.1             | 205.7   | 227.4    | 21.7       | 10.6%    |  |
| Hampden               | 5,171     | 5,139     | -32     | -0.6%    | 19.6             | 263.3   | 261.7    | -1.6       | -0.6%    |  |
| Hatfield              | 3,249     | 3,279     | 30      | 0.9%     | 15.9             | 202.8   | 206.1    | 3.3        | 1.6%     |  |
| Holland               | 2,407     | 2,481     | 74      | 3.1%     | 12.3             | 194.2   | 201.8    | 7.6        | 3.9%     |  |
| Holyoke               | 39,838    | 39,880    | 42      | 0.1%     | 21.3             | 1871.6  | 1874.0   | 2.4        | 0.1%     |  |
| Huntington            | 2,174     | 2,180     | 6       | 0.3%     | 26.3             | 81.6    | 82.8     | 1.2        | 1.5%     |  |
| Longmeadow            | 15,633    | 15,784    | 151     | 1.0%     | 9.1              | 1733.0  | 1730.8   | -2.2       | -0.1%    |  |
| Ludlow                | 21,209    | 21,103    | -106    | -0.5%    | 27.2             | 781.2   | 775.7    | -5.5       | -0.7%    |  |
| Middlefield           | 542       | 521       | -21     | -3.9%    | 24.1             | 22.4    | 21.6     | -0.8       | -3.6%    |  |
| Monson                | 8,359     | 8,560     | 201     | 2.4%     | 44.1             | 188.7   | 193.9    | 5.2        | 2.8%     |  |
| Montgomery            | 654       | 838       | 184     | 28.1%    | 15.1             | 43.4    | 55.4     | 12.0       | 27.7%    |  |
| Northampton           | 28,978    | 28,549    | -429    | -1.5%    | 34.2             | 840.9   | 833.7    | -7.2       | -0.9%    |  |
| Palmer                | 12,497    | 12,140    | -357    | -2.9%    | 31.6             | 396.3   | 384.4    | -11.9      | -3.0%    |  |
| Pelham                | 1,403     | 1,321     | -82     | -5.8%    | 25.1             | 56.0    | 52.6     | -3.4       | -6.1%    |  |
| Plainfield            | 589       | 648       | 59      | 10.0%    | 21.1             | 28.0    | 30.7     | 2.7        | 9.7%     |  |
| Russell               | 1,657     | 1,775     | 118     | 7.1%     | 17.3             | 94.4    | 102.5    | 8.1        | 8.5%     |  |
| South Hadley          | 17,196    | 17,514    | 318     | 1.8%     | 17.7             | 971.2   | 988.7    | 17.5       | 1.8%     |  |
| Southampton           | 5,387     | 5,792     | 405     | 7.5%     | 28.2             | 1914.0  | 205.7    | -1708.3    | -89.3%   |  |
| Southwick             | 8,835     | 9,502     | 667     | 7.5%     | 30.8             | 285.4   | 308.3    | 22.9       | 8.0%     |  |
| Springfield           | 152,082   | 153,060   | 978     | 0.6%     | 31.9             | 4737.1  | 4803.4   | 66.3       | 1.4%     |  |
| Tolland               | 426       | 485       | 59      | 13.8%    | 31.6             | 13.5    | 15.4     | 1.9        | 13.8%    |  |
| Wales                 | 1,737     | 1,838     | 101     | 5.8%     | 15.7             | 110.3   | 116.9    | 6.6        | 5.9%     |  |
| Ware                  | 9,707     | 9,872     | 165     | 1.7%     | 34.4             | 282.1   | 287.3    | 5.2        | 1.9%     |  |
| West Springfield      | 27,899    | 28,391    | 492     | 1.8%     | 16.7             | 1665.4  | 1698.7   | 33.3       | 2.0%     |  |
| Westfield             | 40,072    | 41,094    | 1,022   | 2.6%     | 46.3             | 860.1   | 887.2    | 27.1       | 3.1%     |  |
| Westhampton           | 1,468     | 1,607     | 139     | 9.5%     | 27.2             | 54.1    | 59.1     | 5.0        | 9.3%     |  |
| Wilbraham             | 13,473    | 14,219    | 746     | 5.5%     | 22.2             | 606.2   | 641.5    | 35.3       | 5.8%     |  |
| Williamsburg          | 2,427     | 2,482     | 55      | 2.3%     | 25.6             | 94.7    | 97.1     | 2.4        | 2.5%     |  |
| Worthington           | 1,270     | 1,156     | -114    | -9.0%    | 31.9             | 39.6    | 36.2     | -3.4       | -8.6%    |  |

Northampton and Palmer experienced the greatest losses in the region with population declines of 429 (-1.5%) and 357 (-2.9%) residents respectively. From a proportional viewpoint Cummington lost 10.8% of its 2000 population, Worthington lost 9%, while Pelham lost 5.8 percent.

As expected, the region's Hispanic and Latino population grew substantially, by 38.7 percent. While this rate of growth was about 8% less than the statewide increase of 46.4%, the portion of the population who are Hispanic or Latino in the Pioneer Valley region remains significantly higher than that of the state as a whole (16.8% versus 9.6% respectively). See Figure 2. While the majority of this growth (84%) occurred within the region's urban core cities of Springfield, Chicopee and Holyoke (24,342 of the 29,102 new Hispanic or Latino residents) significant increases occurred in many communities throughout the region such as Westfield, West Springfield, Amherst, Agawam, Northampton and South Hadley. Ludlow lost 189 of its Hispanic or Latino residents (about 13.8%) while Cummington lost 20 or about 62.5% of that population group.

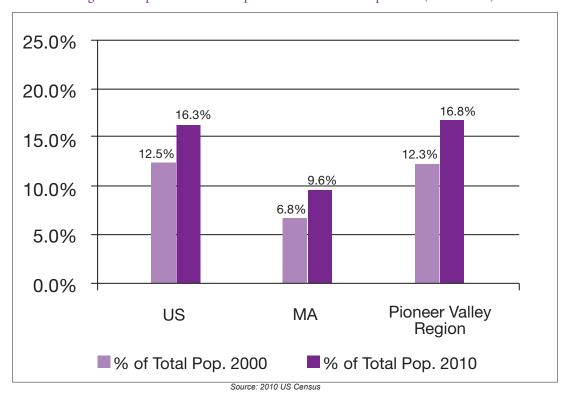


Figure 2: Hispanic or Latino Population as % of Total Population (2000 - 2010)

In the last decade, shifts in racial makeup of the region's population have occurred as well. The portion of the region's population that identifies themselves as white declined by about 2.5% overall while the number of those who identify as African American or Asian each increased by about 0.8 percent. Hadley, South Hadley, Springfield and West Springfield each saw the proportion of their population that identifies themselves as white decrease by 4% or more.

The data reported in this publication is from the first release of Census 2010 data. Over the next few years the U. S. Census Bureau will continue releasing the results of Census 2010 in greater detail.

A schedule of planned releases from Census 2010 can be accessed at: http://www.census.gov/population/www/cen2010/glance/index.html.

| Hispanic or Latino Population |  |           |         |                 |              |              |              |  |  |  |  |  |
|-------------------------------|--|-----------|---------|-----------------|--------------|--------------|--------------|--|--|--|--|--|
|                               | Hispanic or Latino Persons Percent of Total Popula |           |         |                 |              |              |              |  |  |  |  |  |
|                               | 2000   | 2010      | Change  | % Change        | 2000         | 2010         | % Change     |  |  |  |  |  |
| Massachusetts                 | 428,729  | 627,654   | 198,925 | 46.4%           | 6.8%         | 9.6%         | 2.8%         |  |  |  |  |  |
| Hampden County                | 69,917   | 96,776    | 26,859  | 38.4%           | 15.3%        | 20.9%        | 5.6%         |  |  |  |  |  |
| Hampshire County              | 5,212  | 7,455     | 2,243   | 43.0%           | 3.4%         | 4.7%         | 1.3%         |  |  |  |  |  |
| Pioneer Valley Region         | 75,129   | 104,231   | 29,102  | 38.7%           | 12.3%        | 16.8%        | 4.5%         |  |  |  |  |  |
| Agawam                        | 514  | 940       | 426     | 82.9%           | 1.8%         | 3.3%         | 1.5%         |  |  |  |  |  |
| Amherst                       | 2,159  | 2,757     | 598     | 27.7%           | 6.2%         | 7.3%         | 1.1%         |  |  |  |  |  |
| Belchertown                   | 204  | 385       | 181     | 88.7%           | 1.6%         | 2.6%         | 1.0%         |  |  |  |  |  |
| Blandford                     | 4  | 17        | 13      | 325.0%          | 0.3%         | 1.4%         | 1.1%         |  |  |  |  |  |
| Brimfield                     | 43   | 79        | 36      | 83.7%           | 1.3%         | 2.2%         | 0.9%         |  |  |  |  |  |
| Chester                       | 17   | 15        | -2      | -11.8%          | 1.3%         | 1.1%         | -0.2%        |  |  |  |  |  |
| Chesterfield                  | 1  | 18        | 17      | 1700.0%         | 0.1%         | 1.5%         | 1.4%         |  |  |  |  |  |
| Chicopee                      | 4,790  | 8,196     | 3,406   | 71.1%           | 8.8%         | 14.8%        | 6.0%         |  |  |  |  |  |
| Cummington                    | 32   | 12        | -20     | -62.5%          | 3.3%         | 1.4%         | -1.9%        |  |  |  |  |  |
| East Longmeadow               | 130  | 357       | 227     | 174.6%          | 0.9%         | 2.3%         | 1.4%         |  |  |  |  |  |
| Easthampton                   | 336  | 590       | 254     | 75.6%           | 2.1%         | 3.7%         | 1.6%         |  |  |  |  |  |
| Goshen                        | 10   | 12        | 2       | 20.0%           | 1.1%         | 1.1%         | 0.0%         |  |  |  |  |  |
| Granby                        | 74   | 130       | 56      | 75.7%           | 1.2%         | 2.1%         | 0.9%         |  |  |  |  |  |
| Granville                     | 10   | 29        | 19      | 190.0%          | 0.7%         | 1.9%         | 1.2%         |  |  |  |  |  |
| Hadley                        | 80   | 163       | 83      | 103.8%          | 1.7%         | 3.1%         | 1.4%         |  |  |  |  |  |
| Hampden                       | 33   | 75        | 42      | 127.3%          | 0.6%         | 1.5%         | 0.9%         |  |  |  |  |  |
| Hatfield                      | 34   | 47        | 13      | 38.2%           | 1.0%         | 1.4%         | 0.4%         |  |  |  |  |  |
| Holland                       | 34   | 57        | 23      | 67.6%           | 1.4%         | 2.3%         | 0.9%         |  |  |  |  |  |
| Holyoke                       | 16,485   | 19,313    | 2,828   | 17.2%           | 41.4%        | 48.4%        | 7.0%         |  |  |  |  |  |
| Huntington                    | 40   | 41        | 1       | 2.5%            | 1.8%         | 1.9%         | 0.1%         |  |  |  |  |  |
| Longmeadow                    | 170  | 370       | 200     | 117.6%          | 1.1%         | 2.3%         | 1.2%         |  |  |  |  |  |
| Ludlow                        | 1,372  | 1,183     | -189    | -13.8%          | 6.5%         | 5.6%         | -0.9%        |  |  |  |  |  |
| Middlefield                   | 3  | 2         | -1      | -33.3%          | 0.6%         | 0.4%         | -0.2%        |  |  |  |  |  |
| Monson                        | 98   | 153       | 55      | 56.1%           | 1.2%         | 1.8%         | 0.6%         |  |  |  |  |  |
| Montgomery                    | 5  | 10        | 5       | 100.0%          | 0.8%         | 1.2%         | 0.4%         |  |  |  |  |  |
| Northampton                   | 1,518  | 1,928     | 410     | 27.0%           | 5.2%         | 6.8%         | 1.6%         |  |  |  |  |  |
| Palmer                        | 154  | 291       | 137     | 89.0%           | 1.2%         | 2.4%         | 1.2%         |  |  |  |  |  |
| Pelham<br>Plainfield          | 26   | 41<br>9   | 15<br>5 | 57.7%<br>125.0% | 1.9%<br>0.7% | 3.1%<br>1.4% | 1.2%<br>0.7% |  |  |  |  |  |
|                               | 4  |           | 21      |                 |              |              |              |  |  |  |  |  |
| Russell South Hadley          | 25<br>405  | 753       | 348     | 84.0%<br>85.9%  | 1.5%<br>2.4% | 2.6%<br>4.3% | 1.1%<br>1.9% |  |  |  |  |  |
| South Hadley Southampton      | 405  | 753<br>85 | 348     | 80.9%           | 0.9%         | 1.5%         | 0.6%         |  |  |  |  |  |
| Southwick                     | 152  | 198       | 46      | 30.3%           | 1.7%         | 2.1%         | 0.6%         |  |  |  |  |  |
| Springfield                   | 41,343   | 59,451    | 18,108  | 43.8%           | 27.2%        | 38.8%        | 11.6%        |  |  |  |  |  |
| Tolland                       | 5  | 6         | 10,100  | 20.0%           | 1.2%         | 1.2%         | 0.0%         |  |  |  |  |  |
| Wales                         | 11   | 29        | 18      | 163.6%          | 0.6%         | 1.6%         | 1.0%         |  |  |  |  |  |
| Ware                          | 202  | 389       | 187     | 92.6%           | 2.1%         | 3.9%         | 1.8%         |  |  |  |  |  |
| West Springfield              | 1,605  | 2,471     | 866     | 54.0%           | 5.8%         | 8.7%         | 2.9%         |  |  |  |  |  |
| Westfield                     | 2,008  | 3,097     | 1,089   | 54.2%           | 5.0%         | 7.5%         | 2.5%         |  |  |  |  |  |
| Westhampton                   | 8  | 30        | 22      | 275.0%          | 0.5%         | 1.9%         | 1.4%         |  |  |  |  |  |
| Wilbraham                     | 189  | 393       | 204     | 107.9%          | 1.4%         | 2.8%         | 1.4%         |  |  |  |  |  |
| Williamsburg                  | 16   | 49        | 33      | 206.3%          | 0.7%         | 2.0%         | 1.3%         |  |  |  |  |  |
| Worthington                   | 13   | 14        | 1       | 7.7%            | 1.0%         | 1.2%         | 0.2%         |  |  |  |  |  |
| TTOTUMINGTON                  | 13   | 14        | I       | 1.1/0           | 1.0 /0       | 1.2/0        | 0.2 /0       |  |  |  |  |  |

| Percent Population by Race |                |                |               |              |                      |              |                 |                   |        |      |                        |               |      |             |               |               |       |               |
|----------------------------|----------------|----------------|---------------|--------------|----------------------|--------------|-----------------|-------------------|--------|------|------------------------|---------------|------|-------------|---------------|---------------|-------|---------------|
|                            |                |                |               |              |                      |              |                 | Native Hawaiian & |        |      |                        |               |      |             |               |               |       |               |
|                            | •000           | White          | C)            |              | rican American/Black |              | Native American |                   | Asian  |      | Other Pacific Islander |               |      | Other Races |               |               |       |               |
|                            | 2000           | 2010           | Change        | 2000         | 2010                 | Change       | 2000            | 2010              | Change | 2000 | 2010                   | Change        | 2000 | 2010        | Change        | 2000          | 2010  | Change        |
| Massachusetts              | 84.5%          | 76.1%          | -8.4%         | 5.4%         | 6.0%                 | 0.6%         | 0.2%            | 0.2%              | -0.1%  | 3.8% | 5.3%                   | 1.6%          | 0.0% | 0.0%        | 0.0%          | 3.7%          | 0.9%  | -2.8%         |
| Hampden County             | 79.1%          | 76.5%          | -2.6%         | 8.1%         | 9.0%                 | 0.9%         | 0.3%            | 0.4%              | 0.1%   | 1.3% | 2.0%                   | 0.7%          | 0.1% | 0.1%        | 0.0%          | 8.8%          | 9.2%  | 0.4%          |
| Hampshire County           | 91.1%          | 88.7%          | -2.4%         | 2.0%         | 2.5%                 | 0.5%         | 0.2%            | 0.2%              | 0.0%   | 3.4% | 4.5%                   | 1.1%          | 0.1% | 0.0%        | 0.0%          | 1.5%          | 1.5%  | 0.0%          |
| Pioneer Valley Region      | 82.1%          | 79.6%          | -2.5%         | 6.6%         | 7.3%                 | 0.8%         | 0.2%            | 0.4%              | 0.1%   | 1.8% | 2.6%                   | 0.8%          | 0.1% | 0.0%        | 0.0%          | 7.0%          | 7.3%  | 0.3%          |
| Agawam                     | 96.7%          | 94.6%          | -2.1%         | 0.9%         | 1.5%                 | 0.6%         | 0.2%            | 0.2%              | 0.0%   | 1.0% | 1.8%                   | 0.8%          | 0.0% | 0.0%        | 0.0%          | 0.4%          | 0.7%  | 0.3%          |
| Amherst                    | 79.3%          | 76.9%          | -2.4%         | 5.1%         | 5.4%                 | 0.3%         | 0.2%            | 0.2%              | 0.0%   | 9.0% | 10.9%                  | 1.9%          | 0.1% | 0.0%        | -0.1%         | 2.9%          | 2.4%  | -0.5%         |
| Belchertown                | 96.1%          | 93.8%          | -2.3%         | 0.8%         | 1.4%                 | 0.5%         | 0.2%            | 0.1%              | 0.0%   | 1.0% | 2.1%                   | 1.1%          | 0.0% | 0.1%        | 0.0%          | 0.5%          | 0.8%  | 0.2%          |
| Blandford                  | 98.8%          | 98.4%          | -0.4%         | 0.5%         | 0.3%                 | -0.2%        | 0.2%            | 0.2%              | 0.0%   | 0.2% | 0.3%                   | 0.1%          | 0.0% | 0.0%        | 0.0%          | 0.0%          | 0.2%  | 0.2%          |
| Brimfield                  | 97.7%          | 96.8%          | -0.9%         | 0.5%         | 0.8%                 | 0.3%         | 0.4%            | 0.3%              | -0.1%  | 0.1% | 0.5%                   | 0.4%          | 0.1% | 0.1%        | 0.0%          | 0.7%          | 0.1%  | -0.6%         |
| Chester                    | 98.2%          | 98.7%          | 0.4%          | 0.2%         | 0.1%                 | -0.1%        | 0.5%            | 0.0%              | -0.5%  | 0.1% | 0.1%                   | 0.1%          | 0.0% | 0.0%        | 0.0%          | 0.3%          | 0.2%  | -0.1%         |
| Chesterfield               | 98.7%          | 98.1%          | -0.5%         | 0.0%         | 0.2%                 | 0.2%         | 0.0%            | 0.1%              | 0.1%   | 0.2% | 0.4%                   | 0.2%          | 0.2% | 0.1%        | -0.2%         | 0.1%          | 0.2%  | 0.2%          |
| Chicopee                   | 89.8%          | 86.8%          | -3.0%         | 2.3%         | 3.7%                 | 1.4%         | 0.2%            | 0.4%              | 0.2%   | 0.9% | 1.3%                   | 0.5%          | 0.1% | 0.1%        | 0.0%          | 4.9%          | 5.5%  | 0.6%          |
| Cummington                 | 96.4%          | 97.8%          | 1.4%          | 0.6%         | 0.3%                 | -0.3%        | 0.4%            | 0.0%              | -0.4%  | 0.3% | 0.1%                   | -0.2%         | 0.0% | 0.0%        | 0.0%          | 0.5%          | 0.7%  | 0.2%          |
| East Longmeadow            | 97.5%          | 94.5%          | -3.0%         | 0.7%         | 1.4%                 | 0.7%         | 0.0%            | 0.1%              | 0.0%   | 0.9% | 2.4%                   | 1.5%          | 0.0% | 0.0%        | 0.0%          | 0.2%          | 0.5%  | 0.2%          |
| Easthampton                | 95.4%          | 93.6%          | -1.8%         | 0.6%         | 1.1%                 | 0.4%         | 0.1%            | 0.2%              | 0.0%   | 1.7% | 2.4%                   | 0.6%          | 0.0% | 0.0%        | 0.0%          | 1.1%          | 1.1%  | 0.0%          |
| Goshen                     | 99.0%          | 97.6%          | -1.4%         | 0.0%         | 0.3%                 | 0.3%         | 0.1%            | 0.3%              | 0.2%   | 0.2% | 0.3%                   | 0.1%          | 0.0% | 0.0%        | 0.0%          | 0.0%          | 0.2%  | 0.2%          |
| Granby                     | 96.8%          | 96.5%          | -0.3%         | 0.5%         | 0.4%                 | -0.1%        | 0.1%            | 0.2%              | 0.1%   | 1.0% | 1.1%                   | 0.1%          | 0.0% | 0.0%        | 0.0%          | 0.5%          | 0.6%  | 0.1%          |
| Granville                  | 98.7%          | 97.2%          | -1.5%         | 0.3%         | 0.6%                 | 0.3%         | 0.0%            | 0.3%              | 0.3%   | 0.2% | 0.3%                   | 0.1%          | 0.0% | 0.0%        | 0.0%          | 0.4%          | 0.4%  | 0.0%          |
| Hadley                     | 95.9%          | 91.4%          | -4.5%         | 0.8%         | 1.9%                 | 1.2%         | 0.1%            | 0.2%              | 0.1%   | 1.6% | 4.1%                   | 2.5%          | 0.0% | 0.0%        | 0.0%          | 0.6%          | 0.8%  | 0.2%          |
| Hampden                    | 98.3%          | 96.7%          | -1.6%         | 0.2%         | 0.5%                 | 0.3%         | 0.2%            | 0.1%              | -0.1%  | 0.4% | 1.4%                   | 0.9%          | 0.0% | 0.0%        | 0.0%          | 0.3%          | 0.4%  | 0.1%          |
| Hatfield                   | 98.0%          | 97.5%          | -0.6%         | 0.2%         | 0.7%                 | 0.5%         | 0.1%            | 0.1%              | 0.0%   | 0.5% | 0.5%                   | 0.0%          | 0.1% | 0.0%        | -0.1%         | 0.6%          | 0.5%  | -0.1%         |
| Holland                    | 97.0%          | 96.9%          | -0.1%         | 0.1%         | 0.6%                 | 0.5%         | 0.8%            | 0.4%              | -0.4%  | 0.2% | 0.4%                   | 0.2%          | 0.0% | 0.0%        | 0.0%          | 0.7%<br>26.4% | 0.4%  | -0.3%         |
| Holyoke                    | 65.8%<br>97.6% | 66.0%<br>97.0% | 0.3%<br>-0.6% | 3.7%<br>0.4% | 4.7%<br>0.4%         | 1.0%<br>0.0% | 0.4%            | 0.8%<br>0.2%      | 0.4%   | 0.8% | 1.1%<br>0.1%           | 0.3%<br>-0.3% | 0.1% | 0.1%        | -0.1%<br>0.1% | 0.3%          | 23.5% | -2.9%<br>0.0% |
| Huntington                 | 95.4%          | 92.4%          | -3.0%         | 0.4%         | 1.1%                 | 0.0%         | 0.2%            | 0.2%              | 0.0%   | 2.9% | 4.7%                   | 1.8%          | 0.0% | 0.1%        | 0.1%          | 0.3%          | 0.5%  | 0.0%          |
| Longmeadow<br>Ludlow       | 95.4%          | 94.0%          | -1.8%         | 2.0%         | 2.4%                 | 0.4%         | 0.1%            | 0.0%              | 0.0%   | 0.6% | 0.8%                   | 0.2%          | 0.1% | 0.0%        | 0.0%          | 0.3%          | 1.3%  | 1.0%          |
| Middlefield                | 98.9%          | 97.1%          | -1.8%         | 0.2%         | 0.0%                 | -0.2%        | 0.1%            | 0.1%              | -0.2%  | 0.0% | 2.1%                   | 2 1%          | 0.0% | 0.0%        | 0.0%          | 0.3 %         | 0.2%  | 0.0%          |
| Monson                     | 97.7%          | 96.8%          | -0.9%         | 0.2%         | 0.0%                 | 0.2%         | 0.2%            | 0.0%              | 0.0%   | 0.3% | 0.6%                   | 0.3%          | 0.0% | 0.0%        | 0.0%          | 0.2%          | 0.2%  | 0.0%          |
| Montgomery                 | 98.0%          | 97.0%          | -1.0%         | 0.0%         | 0.0%                 | 0.0%         | 0.3%            | 0.7%              | 0.4%   | 0.3% | 0.4%                   | 0.1%          | 0.0% | 0.0%        | 0.0%          | 0.2%          | 0.1%  | -0.2%         |
| Northampton                | 90.0%          | 87.7%          | -2.4%         | 2.1%         | 2.7%                 | 0.6%         | 0.3%            | 0.3%              | 0.0%   | 3.1% | 4.1%                   | 0.9%          | 0.1% | 0.0%        | 0.0%          | 2.4%          | 2.5%  | 0.1%          |
| Palmer                     | 96.8%          | 95.5%          | -1.3%         | 0.8%         | 1.1%                 | 0.4%         | 0.2%            | 0.2%              | 0.0%   | 0.6% | 0.9%                   | 0.3%          | 0.0% | 0.0%        | 0.0%          | 0.4%          | 0.6%  | 0.1%          |
| Pelham                     | 95.1%          | 93.5%          | -1.6%         | 1.4%         | 1.7%                 | 0.3%         | 0.0%            | 0.2%              | 0.2%   | 1.1% | 1.7%                   | 0.7%          | 0.0% | 0.0%        | 0.0%          | 0.6%          | 0.8%  | 0.2%          |
| Plainfield                 | 98.1%          | 96.3%          | -1.8%         | 0.0%         | 2.2%                 | 2.2%         | 0.3%            | 0.2%              | -0.2%  | 0.2% | 0.6%                   | 0.4%          | 0.0% | 0.0%        | 0.0%          | 0.0%          | 0.3%  | 0.3%          |
| Russell                    | 97.5%          | 97.7%          | 0.2%          | 0.4%         | 0.7%                 | 0.3%         | 0.3%            | 0.2%              | -0.1%  | 0.3% | 0.3%                   | 0.0%          | 0.0% | 0.0%        | 0.0%          | 0.6%          | 0.1%  | -0.5%         |
| South Hadley               | 94.0%          | 90.0%          | -4.0%         | 1.2%         | 2.2%                 | 1.0%         | 0.1%            | 0.1%              | 0.0%   | 2.5% | 4.0%                   | 1.5%          | 0.1% | 0.1%        | 0.0%          | 0.8%          | 1.3%  | 0.5%          |
| Southampton                | 98.3%          | 97.3%          | -1.0%         | 0.2%         | 0.4%                 | 0.2%         | 0.1%            | 0.1%              | 0.0%   | 0.6% | 0.6%                   | -0.1%         | 0.0% | 0.0%        | 0.0%          | 0.2%          | 0.4%  | 0.2%          |
| Southwick                  | 97.4%          | 96.4%          | -1.0%         | 0.5%         | 0.9%                 | 0.4%         | 0.2%            | 0.3%              | 0.0%   | 0.4% | 0.8%                   | 0.4%          | 0.0% | 0.0%        | 0.0%          | 0.3%          | 0.4%  | 0.0%          |
| Springfield                | 56.1%          | 51.8%          | -4.3%         | 21.0%        | 22.3%                | 1.2%         | 0.4%            | 0.6%              | 0.3%   | 1.9% | 2.4%                   | 0.5%          | 0.1% | 0.1%        | 0.0%          | 16.4%         | 18.0% | 1.6%          |
| Tolland                    | 97.4%          | 95.3%          | -2.2%         | 0.9%         | 1.2%                 | 0.3%         | 1.2%            | 1.0%              | -0.1%  | 0.2% | 0.2%                   | 0.0%          | 0.0% | 0.0%        | 0.0%          | 0.0%          | 0.4%  | 0.4%          |
| Wales                      | 97.8%          | 96.7%          | -1.0%         | 0.5%         | 0.9%                 | 0.4%         | 0.3%            | 0.2%              | -0.1%  | 0.2% | 0.2%                   | 0.0%          | 0.0% | 0.0%        | 0.0%          | 0.3%          | 0.4%  | 0.1%          |
| Ware                       | 96.5%          | 94.1%          | -2.4%         | 0.5%         | 1.0%                 | 0.5%         | 0.2%            | 0.3%              | 0.1%   | 0.6% | 0.7%                   | 0.1%          | 0.1% | 0.0%        | -0.1%         | 0.8%          | 1.4%  | 0.6%          |
| West Springfield           | 90.7%          | 86.3%          | -4.4%         | 2.1%         | 3.3%                 | 1.3%         | 0.2%            | 0.2%              | 0.0%   | 2.0% | 4.4%                   | 2.4%          | 0.0% | 0.0%        | 0.0%          | 2.9%          | 3.4%  | 0.4%          |
| Westfield                  | 94.5%          | 92.8%          | -1.8%         | 0.9%         | 1.6%                 | 0.7%         | 0.2%            | 0.3%              | 0.0%   | 0.8% | 1.3%                   | 0.5%          | 0.0% | 0.0%        | 0.0%          | 2.1%          | 2.2%  | 0.1%          |
| Westhampton                | 98.5%          | 98.1%          | -0.4%         | 0.0%         | 0.2%                 | 0.2%         | 0.3%            | 0.1%              | -0.2%  | 0.1% | 0.5%                   | 0.4%          | 0.0% | 0.0%        | 0.0%          | 0.3%          | 0.3%  | 0.0%          |
| Wilbraham                  | 96.4%          | 94.0%          | -2.4%         | 1.2%         | 2.2%                 | 1.0%         | 0.1%            | 0.1%              | 0.0%   | 1.3% | 2.0%                   | 0.7%          | 0.1% | 0.0%        | -0.1%         | 0.3%          | 0.5%  | 0.3%          |
| Williamsburg               | 97.9%          | 96.9%          | -1.0%         | 0.2%         | 0.3%                 | 0.1%         | 0.1%            | 0.1%              | 0.0%   | 0.5% | 0.8%                   | 0.3%          | 0.0% | 0.0%        | 0.0%          | 0.2%          | 0.6%  | 0.4%          |
| Worthington                | 98.3%          | 97.3%          | -0.9%         | 0.3%         | 0.1%                 | -0.2%        | 0.1%            | 0.0%              | -0.1%  | 0.2% | 1.0%                   | 0.7%          | 0.0% | 0.0%        | 0.0%          | 0.0%          | 0.0%  | 0.0%          |