# Enrollment Trends in Massachusetts 

by Ken Ardon

## Executive Summary

Enrollment in public schools in Massachusetts has fallen by 24,000 students, or 2.5 percent, over the past five years. The total number of students in Massachusetts public schools is now just 936,000 . The decline started several years ago, and is likely to accelerate over the next decade. The drop in enrollment is steepest in Western Massachusetts and Cape Cod, and urban districts are losing students faster than suburban districts. Additionally, the enrollment decline is more severe in lower-income areas than in middle or upper-income areas.

The primary cause of the decline is demographics - the population of Massachusetts is aging and the children of Baby-Boomers are rapidly moving through school. Charter school enrollment is rising even as overall public school enrollment is falling, but the increase in the number of students attending charter schools cannot explain the enrollment decline in non-charter schools.

Ultimately, there is no simple policy prescription to the problems that will result from declines in enrollment, but better enrollment data should be the basis of any solution. For example, the ongoing decline in public school enrollment is likely to increase political pressure to limit charter schools, but as the decline is being driven by demographics, charter schools should not be blamed. In fact, the growth at charter schools suggests that some cities could stem the outflow of students by increasing the number of charter schools in their districts or instituting charter-like reform in district schools.

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2008

## Overall Trends in Enrollment

During the 1990s, enrollment in public elementary and secondary schools across the country grew by 15 percent. This increase was driven by the children of Baby-Boomers, the so-called echo-boom (the generation is also known as "Generation Y" or the "Millenials"). In Massachusetts the same trend was apparent as enrollment grew slightly faster than it did in the rest of the country - from 819,000 in 1990 to 952,000 in 2000 , an increase of more than 16 percent. ${ }^{1}$

Just as the Baby-Boomers'retirement has implications for Social Security and other social services, the passage of their children through school will have repercussions as well. The end of this demographic wave is now moving through Massachusetts' schools, and policymakers should be prepared for further reductions in student numbers.
Figure 1: K-12 Public Enrollment in Massachusetts

(Source: MA Dept. of Elementary and Secondary Education)

In the rest of the country, enrollment growth slowed but continued, but in Massachusetts enrollment in public schools has started to decline. Enrollment peaked in the 2002-2003 school year, and in the five years since, enrollment has fallen by 24,000 students or 2.5 percent (see Figure 1).

The decline in public school enrollment in Massachusetts was not caused by students shifting to private schools. According to the National Center for Education Statistics, between 2002 and 2006 private school enrollment in Massachusetts fell by approximately 10,000 students or 7 percent.

There is reason to believe that the enrollment bust will accelerate as the current cohort of students graduates. During the past five years, high school enrollment grew by 5.1 percent, but enrollment in grades K-5 and 6-8 fell by 4.6 percent and 7.3 percent, respectively. Forecasts by the Department of Elementary and Secondary Education predict that enrollment will drop by another 60,000 students, or 6.7 percent, by 2018.

Figure 2: Change in Population since 2000, USA and MA

(Source: United States Census Bureau)

## Why is Massachusetts different than the rest of the U.S.?

The principal cause of weaker enrollment in Massachusetts is the declining rate of population growth. In the United States as a whole, the aging of the echo-boomers has been offset by population

Figure 3: Share of Population 17 or younger, USA and MA

(Source: United States Census Bureau)

Figure 4: Percent Change in Foundation Enrollment by City/Town

(Source: MA Dept. of Elementary and Secondary Education)
growth of 1 percent per year, but in Massachusetts the population has been growing much more slowly - less than 0.2 percent per year (see Figure 2). If the population in Massachusetts had grown at the same rate as it did in other states since 2001, there would be approximately 350,000 more people in the state and roughly 50,000 more school age children.

In addition to slow population growth, the population of Massachusetts is slightly older than the nation as a whole. As Figure 3 shows, a relatively low percentage of the population in Massachusetts is under 18. Massachusetts not only had a relatively old population during this period, but its population aged more rapidly. The share of the population under 18 in the United States fell by 1.1 percent since 2000, while in Massachusetts it fell by 1.3 percent. If the percentage in Massachusetts had fallen at the same rate as the percentage in the United States, there would be approximately 8,000 more students in the state.

## Details of the Decline

While overall public school enrollment has declined by 2.5 percent over the past five years, the decline has not been distributed equally across all districts and regions. More than 125 districts experienced enrollment growth, while 60 districts saw enrollment drop by more than 10 percent.

As Figure 4 shows, the largest declines in enrollment occurred in Western Massachusetts and on Cape Cod. The rapid decline in these areas is not due to migration, as the population of these areas was essentially flat over this time. Instead, the decline is due to a reduction in the number of school age children - the population is getting older.

The greatest increases in enrollment generally occurred in the suburbs surrounding Boston along Route 495. The increases in enrollment correspond with relatively rapid population growth in Plymouth and Bristol counties.

While the map illustrates the geographic distribution of enrollment, a detailed examination also reveals that the changes in enrollment are not distributed equally across urban and suburban areas. Enrollment in large urban areas is falling much faster than it is in smaller, more suburban districts. ${ }^{2}$ As Table 1 shows, local school districts in 12 large urban areas lost an average of 9.8 percent of their students during these five years. Ten out of 12 of these urban districts had enrollment fall faster than the state average, and seven saw enrollment decline more than 10 percent.
The relative decline in enrollment in the urban districts could be caused by demographic shifts as people move to suburbs. To some extent this is true; while Massachusetts as a whole is growing more slowly than the rest of the country, the largest cities in Massachusetts are not growing at all. However, while slower population growth in the urban areas could have contributed to the drop in enrollment, it cannot explain it entirely. If the population in the 12 cities had grown at the same rate as the population in the rest of the state, the cities would contain approximately 5,000 more school age children.

## Table 1: Change in Enrollment in Large Urban School Districts ${ }^{3}$

| District | FY03 | FY08 | Change | \% |
| :--- | ---: | ---: | ---: | :--- |
| Boston | 60,549 | 53,838 | $-6,711$ | $-11.1 \%$ |
| Brockton | 16,347 | 15,027 | $-1,320$ | $-8.1 \%$ |
| Cambridge | 6,709 | 5,603 | $-1,106$ | $-16.5 \%$ |
| Fall River | 11,911 | 9,960 | $-1,951$ | $-16.4 \%$ |
| Lawrence | 12,211 | 11,917 | -294 | $-2.4 \%$ |
| Lowell | 15,063 | 13,053 | $-2,010$ | $-13.3 \%$ |
| Lynn | 14,516 | 13,272 | $-1,244$ | $-8.6 \%$ |
| New Bedford | 14,101 | 12,462 | $-1,639$ | $-11.6 \%$ |
| Quincy | 8,578 | 8,610 | 32 | $0.4 \%$ |
| Somerville | 5,554 | 4,665 | -889 | $-16.0 \%$ |
| Springfield | 25,839 | 24,323 | $-1,516$ | $-5.9 \%$ |
| Worcester | 24,783 | 22,147 | $-2,636$ | $-10.6 \%$ |
| TOTAL | $\mathbf{2 1 6 , 1 6 1}$ | $\mathbf{1 9 4 , 8 7 7}$ | $\mathbf{- 2 1 , 2 8 4}$ | $\mathbf{- 9 . 8 \%}$ |

(Source: MA Dept. of Elementary and Secondary Education)

Students seem to be moving geographically - away from Western Massachusetts and the Cape, and also away from cities. Enrollment is also dropping faster in lower-income cities and towns, particularly the large ones. ${ }^{4}$ Among the 100 largest communities in the state (those with a population greater than 18,250 in 2006), the 50 higher-income communities had a 1.8 percent increase in foundation enrollment while the 50 lower-income communities saw foundation enrollment decline by 4.8 percent. ${ }^{5}$

The shift in enrollment away from the larger, lowerincome communities tends to be mirrored to a lesser extent in population trends. As mentioned earlier, the population in the largest urban areas has been relatively stable since 2000 . The same is true in the lower-income group of the 100 largest communities, as population in these 50 cities and towns grew by 0.1 percent. In the 50 richer communities out of the 100 largest, the population grew slightly faster, by 0.7 percent.

## Is the Drop in Enrollment Caused by Charter Schools?

While overall enrollment has been falling over the past five years, enrollment in charter schools has grown by more than 50 percent, or more than 9,000 students. Approximately half of the increase in charter enrollment during these years was driven by new school openings. Among charter schools open since 2002-03, enrollment grew by 4,500 students, or 28.4 percent, while schools opened since 2003 have enrolled 4,700 students.
In any one year, an average of 30 percent of the growth in charter enrollment is due to newly opened schools. Unless new charters continue to open, enrollment growth will slow as existing schools reach capacity.
The growth in charter school enrollment means that enrollment in non-charter schools is shrinking even faster than the statewide figures suggest - by 3.5 percent or approximately 33,000 students in the past five years. The growth in charter school enrollment at the same time that non-charter enrollment is
shrinking raises a question - Has the growth in charter schools contributed to declines in non-charter enrollment, and if so, by how much? ${ }^{6}$ This question may be particularly relevant in urban districts, where many of the charter schools are located and where enrollment fell faster than the state average.

Unfortunately, this is not an easy question to answer accurately. The difficulty arises because not all of the students who attend charters would attend noncharter public schools had the charter schools not been available. At the state level some charter students may have chosen private schools. At the local level the potential discrepancy is larger, because charter students may come not only from private schools but also from other districts. In other words, if a charter school had never opened in a city, there is no way to know how many of the students would have attended schools in the local district and how many would have gone to a private school or to a school outside the city.

## Table 2: Change in Enrollment and Change in Students sent to Charter Schools

| Urban Area | Change in <br> Local <br> Enrollment | \% Change | Change in <br> Students <br> Sent to <br> Charters | \% of <br> Overall <br> Decline |
| :--- | :--- | :--- | :--- | :--- |
| Boston | $-6,711$ | $-11.1 \%$ | 1,398 | $-21 \%$ |
| Brockton | $-1,320$ | $-8.1 \%$ | 138 | $-10 \%$ |
| Cambridge | $-1,106$ | $-16.5 \%$ | 118 | $-11 \%$ |
| Fall River | $-1,951$ | $-16.4 \%$ | 79 | $-4 \%$ |
| Lawrence | -294 | $-2.4 \%$ | 120 | $-41 \%$ |
| Lowell | $-2,010$ | $-13.3 \%$ | 388 | $-19 \%$ |
| Lynn | $-1,244$ | $-8.6 \%$ | 395 | $-32 \%$ |
| New Bedford | $-1,639$ | $-11.6 \%$ | 377 | $-23 \%$ |
| Quincy | 32 | $0.4 \%$ | 13 | NA |
| Somerville | -889 | $-16.0 \%$ | -28 | NA |
| Springfield | $-1,516$ | $-5.9 \%$ | 535 | $-35 \%$ |
| Worcester | $-2,636$ | $-10.6 \%$ | 653 | $-25 \%$ |
| TOTAL | $\mathbf{- 2 1 , 2 8 4}$ | $\mathbf{- 9 . 8 \%}$ | $\mathbf{4 , 1 8 7}$ | $\mathbf{- 2 0 \%}$ |

(Source: MA Dept. of Elementary and Secondary Education)

The net result of this uncertainty is that the growth in charter school enrollment probably overstates the impact on local non-charter schools, although it is impossible to know to what extent. Recognizing the ambiguity, we can still explore charter school enrollment in the urban areas that are experiencing large declines in enrollment.
The Department of Elementary and Secondary Education provides information on the number of full-time-equivalent(FTE) students each municipality sends to each charter school. Table 2 compares changes in the number of students sent to charters from the large urban areas with the overall change in enrollment in these cities' non-charter schools from 2003 to $2008 .{ }^{7}$

Every city in the group except Somerville sent more students to charter schools during this time, and the total number sent increased by almost 4,200 . This happened while enrollment in the local districts fell by 21,000 students. Thus, in total, charter school enrollment could account for at most $1 / 5$ th of the decline in overall enrollment (keeping in mind the cautions discussed above), although in Lawrence, Lynn, and Springfield the figure is much higher. It is likely that many of the districts would have lost almost as many students even if charter schools had not expanded.

## Enrollment and School <br> Finance

Changes in enrollment have implications for K-12 school finance. During the 1970s and to some extent in the 1990s, enrollment was rising and many local districts faced crowded facilities and the need for new schools. At the same time, many districts found it difficult to keep pace with rising costs caused by enrollment growth. Now, as enrollment declines, districts will have to deal with underused facilities and rising per-pupil costs.

Lower student populations also affect the state aid formula ("Chapter 70"), which was designed primarily to ensure that districts had adequate
resources per student. When enrollment is rising, the formula automatically increases required spending and, if necessary, state aid.
However, enrollment declines may exacerbate the annual tension surrounding Chapter 70. In some cases the formula will require cities and towns that contribute less than the "fair" share defined in the law to continue to increase local spending despite having fewer students. In addition, the formula will not reduce state aid to districts that are losing enrollment, leaving them with more aid per pupil. This year relatively high inflation will offset the decline in enrollment so that total state aid will increase, but the uneven pattern of enrollment declines and the resulting distribution of changes in state aid and local contribution will be politically contentious.
Falling enrollment may complicate the distribution of state aid and increase the per-student costs of education, but it may also present an opportunity to increase efficiency. Districts with declining enrollment should investigate options for sharing functions. This does not necessarily mean merging districts into a regional district, although in some cases that might be the best alternative. More often, districts could explore opportunities for greater use of an educational collaborative to provide support services.
A 2005 Pioneer Institute report ${ }^{8}$ found that districts could save millions of dollars by making greater use of educational collaboratives to provide support services. Collaboratives can improve quality, avoid duplication of services, reduce administrative costs, save on material costs, and improve opportunity for smaller and poorer districts.
Massachusetts lags well behind other states in the use of collaboratives. The Commonwealth currently has 32 collaboratives, yet they serve only 246 ( 75 percent) of its 330 operating school districts. The Pioneer report proposes consolidation and expansion of the current informal system to form an inclusive network of 12 to 20 collaboratives serving all school districts including charter schools. If all Massachusetts
school districts were served by a collaborative, the Commonwealth could use collaboratives to a far greater extent in the following areas, where cost savings of 15 to 50 percent are well documented.

- Special education programs and services
for students with low incidence disabilities
- Professional development
- Cooperative purchasing of large volume goods and services
- Student transportation
- Energy management
- Educational technology
- Data collection and processing, as well as technical assistance (both currently state functions).

Governor Patrick's fiscal 2010 budget may include a focus on regional consolidation of districts (State House News Service, Wednesday, September 10, 2008). While regionalization may be appropriate in some instances, it is unlikely to help larger urban districts that already realize economies of scale. State lawmakers and local leaders should also consider using the potential of educational collaboratives to achieve efficiencies across a wide range of services. In some cases these actions may reduce the districts' independence, but the potential savings are substantial.

## Conclusion

If Department of Elementary and Secondary Education projections are accurate, the decline in public school enrollment is likely to accelerate. The projected drop in enrollment over the next decade is more than two and a half times as large as the drop over the past five years.
Some western Massachusetts towns, the Cape, and lower-income urban areas will likely see extremely rapid declines in enrollment. There is no simple policy prescription or solution to the problems that will result from the decline in enrollment, but better data
about enrollment trends may facilitate adjustment.
The ongoing decline in public school enrollment is likely to increase political pressure to limit charter schools and perhaps interdistrict choice as well. However, the decline is driven by demographics; it is not caused by movement to private schools nor can it be blamed on charter schools. The growth at charter schools suggests that some cities could stem the outflow of students by increasing the number of charter schools or instituting charter-like reforms in local schools. In other cases, urban districts may be able to retain students by implementing or expanding school choice.

## Endnotes

${ }^{1}$ All enrollment data for Massachusetts is from the Massachusetts Department of Elementary and Secondary Education website (www.doe.mass.edu), while data for the U.S. was taken from the National Center for Education Statistics (nces.ed.gov). There are several different measures of enrollment in Massachusetts which differ slightly - every effort has been taken to use consistent measures.
${ }^{2}$ The larger urban areas are defined as the largest 15 cities in the state, excluding Newton, Framingham, and Waltham. This leaves 12 cities: Boston, Brockton, Cambridge, Fall River, Lawrence, Lowell, Lynn, New Bedford, Quincy, Somerville, Springfield, and Worcester.
${ }^{3}$ Enrollment refers to enrollment in the local municipal school district (i.e. charter or vocational schools within the city are not included).
${ }^{4}$ Income is measured using the 1999 income per capita from the U.S. Census, available through the Division of Local Services of the Massachusetts Department of Revenue.
${ }^{5}$ The correlation between a community's income per capita and the percentage change in foundation enrollment from 2003 to 2008 is 0.30 . The correlation is stronger if we exclude smaller cities and towns - among the 100 largest communities in the state the correlation rises to 0.55 .
${ }^{6}$ Enrollment in vocational schools also rose by 1,500 students during these years, an increase of $6.1 \%$.
${ }^{7}$ FTE measures are not directly comparable to enrollment measures, but they provide an approximation of the impact of charter schools.
${ }^{8}$ Massachusetts Collaboratives: Making the Most of Education Dollars, Pioneer Institute White Paper No. 23, June 2005

Appendix A: Enrollment Change by City (Data in Report is by District)
(Source: MA Dept. of Elementary and Secondary Education)

|  |  | Foundation <br> Enrollment |  |  |
| :--- | :--- | ---: | ---: | ---: |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 37 | BOXBOROUGH | 1,140 | 1,121 | -1.7 |
| 38 | BOXFORD | 1,763 | 1,715 | -2.7 |
| 39 | BOYLSTON | 607 | 641 | 5.6 |
| 40 | BRAINTREE | 4,949 | 5,257 | 6.2 |
| 41 | BREWSTER | 1,575 | 1,305 | -17.1 |
| 42 | BRIDGEWATER | 3,959 | 3,715 | -6.2 |
| 43 | BRIMFIELD | 642 | 607 | -5.5 |
| 44 | BROCKTON | 17,371 | 16,560 | -4.7 |
| 45 | BROOKFIELD | 548 | 535 | -2.4 |
| 46 | BROOKLINE | 5,929 | 6,016 | 1.5 |
| 47 | BUCKLAND | 305 | 238 | -22.0 |
| 48 | BURLINGTON | 3,679 | 3,801 | 3.3 |
| 49 | CAMBRIDGE | 7,268 | 6,115 | -15.9 |
| 50 | CANTON | 2,933 | 3,046 | 3.9 |
| 51 | CARLISLE | 1,159 | 1,099 | -5.2 |
| 52 | CARVER | 2,179 | 2,033 | -6.7 |
| 53 | CHARLEMONT | 233 | 204 | -12.4 |
| 54 | CHARLTON | 2,513 | 2,569 | 2.2 |
| 55 | CHATHAM | 630 | 598 | -5.1 |
| 56 | CHELMSFORD | 5,757 | 5,660 | -1.7 |
| 57 | CHELSEA | 5,878 | 5,716 | -2.8 |
| 58 | CHESHIRE | 566 | 483 | -14.7 |
| 59 | CHESTER | 259 | 227 | -12.4 |
| 60 | CHESTERFIELD | 197 | 179 | -9.1 |
| 61 | CHICOPEE | 7,747 | 7,528 | -2.8 |
| 62 | CHILMARK | 118 | 103 | -12.7 |
| 63 | CLARKSBURG | 315 | 308 | -2.2 |
| 64 | CLINTON | 1,985 | 2,051 | 3.3 |
| 65 | COHASSET | 1,359 | 1,392 | 2.4 |
| 66 | COLRAIN | 333 | 247 | -25.8 |
| 67 | CONCORD | 2,822 | 2,745 | -2.7 |
| 68 | CONWAY | 263 | 265 | 0.8 |
| 69 | CUMMINGTON | 121 | 108 | -10.7 |
| 70 | DALTON | 1,159 | 1,195 | 3.1 |
| 71 | DANVERS | 3,798 | 3,714 | -2.2 |
| 72 | DARTMOUTH | 4,322 | 4,314 | -0.2 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 73 | DEDHAM | 2,880 | 2,797 | -2.9 |
| 74 | DEERFIELD | 718 | 719 | 0.1 |
| 75 | DENNIS | 1,717 | 1,496 | -12.9 |
| 76 | DIGHTON | 1,283 | 1,358 | 5.8 |
| 77 | DOUGLAS | 1,496 | 1,654 | 10.6 |
| 78 | DOVER | 1,099 | 1,189 | 8.2 |
| 79 | DRACUT | 4,491 | 4,501 | 0.2 |
| 80 | DUDLEY | 1,935 | 2,000 | 3.4 |
| 81 | DUNSTABLE | 637 | 643 | 0.9 |
| 82 | DUXBURY | 3,114 | 3,288 | 5.6 |
| 83 | E. BRIDGEWATER | 2,472 | 2,472 | 0.0 |
| 84 | E. BROOKFIELD | 378 | 377 | -0.3 |
| 85 | EASTHAM | 699 | 560 | -19.9 |
| 86 | EASTHAMPTON | 1,910 | 1,891 | -1.0 |
| 87 | E. LONGMEADOW | 2,661 | 2,829 | 6.3 |
| 88 | EASTON | 3,793 | 3,880 | 2.3 |
| 89 | EDGARTOWN | 616 | 565 | -8.3 |
| 90 | EGREMONT | 125 | 99 | -20.8 |
| 91 | ERVING | 232 | 276 | 19.0 |
| 92 | ESSEX | 515 | 524 | 1.7 |
| 93 | EVERETT | 5,161 | 5,776 | 11.9 |
| 94 | FAIRHAVEN | 2,419 | 2,232 | -7.7 |
| 95 | FALL RIVER | 13,800 | 12,026 | -12.9 |
| 96 | FALMOUTH | 4,626 | 4,042 | -12.6 |
| 97 | FITCHBURG | 6,410 | 6,037 | -5.8 |
| 98 | FLORIDA | 131 | 129 | -1.5 |
| 99 | FOXBOROUGH | 2,935 | 3,019 | 2.9 |
| 100 | FRAMINGHAM | 8,927 | 8,413 | -5.8 |
| 101 | FRANKLIN | 6,204 | 6,664 | 7.4 |
| 102 | FREETOWN | 1,386 | 1,416 | 2.2 |
| 103 | GARDNER | 3,244 | 2,849 | -12.2 |
| 104 | AQUINNAH | 56 | 49 | -12.5 |
| 105 | GEORGETOWN | 1,420 | 1,529 | 7.7 |
| 106 | GILL | 240 | 198 | -17.5 |
| 107 | GLOUCESTER | 4,220 | 3,766 | -10.8 |
| 108 | GOSHEN | 137 | 141 | 2.9 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 109 | GOSNOLD | 6 | 7 | 16.7 |
| 110 | GRAFTON | 2,383 | 2,802 | 17.6 |
| 111 | GRANBY | 1,048 | 1,089 | 3.9 |
| 112 | GRANVILLE | 328 | 273 | -16.8 |
| 113 | GREAT BARRINGTON | 894 | 749 | -16.2 |
| 114 | GREENFIELD | 2,414 | 2,091 | -13.4 |
| 115 | GROTON | 2,170 | 2,255 | 3.9 |
| 116 | GROVELAND | 1,223 | 1,199 | -2.0 |
| 117 | HADLEY | 636 | 607 | -4.6 |
| 118 | HALIFAX | 1,250 | 1,295 | 3.6 |
| 119 | HAMILTON | 1,461 | 1,342 | -8.1 |
| 120 | HAMPDEN | 1,013 | 949 | -6.3 |
| 121 | HANCOCK | 110 | 102 | -7.3 |
| 122 | HANOVER | 2,637 | 2,699 | 2.4 |
| 123 | HANSON | 1,979 | 1,985 | 0.3 |
| 124 | HARDWICK | 493 | 470 | -4.7 |
| 125 | HARVARD | 1,218 | 1,254 | 3.0 |
| 126 | HARWICH | 1,684 | 1,525 | -9.4 |
| 127 | HATFIELD | 469 | 424 | -9.6 |
| 128 | HAVERHILL | 8,888 | 8,113 | -8.7 |
| 129 | HAWLEY | 52 | 36 | -30.8 |
| 130 | HEATH | 158 | 98 | -38.0 |
| 131 | HINGHAM | 3,487 | 3,719 | 6.7 |
| 132 | HINSDALE | 366 | 301 | -17.8 |
| 133 | HOLBROOK | 1,533 | 1,425 | -7.0 |
| 134 | HOLDEN | 2,859 | 3,033 | 6.1 |
| 135 | HOLLAND | 466 | 428 | -8.2 |
| 136 | HOLLISTON | 2,886 | 2,780 | -3.7 |
| 137 | HOLYOKE | 7,356 | 6,975 | -5.2 |
| 138 | HOPEDALE | 1,093 | 1,121 | 2.6 |
| 139 | HOPKINTON | 3,097 | 3,357 | 8.4 |
| 140 | HUBBARDSTON | 912 | 908 | -0.4 |
| 141 | HUDSON | 2,729 | 2,844 | 4.2 |
| 142 | HULL | 1,485 | 1,321 | -11.0 |
| 143 | HUNTINGTON | 422 | 356 | -15.6 |
| 144 | IPSWICH | 2,001 | 1,962 | -1.9 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 145 | KINGSTON | 2,007 | 2,149 | 7.1 |
| 146 | LAKEVILLE | 1,775 | 1,899 | 7.0 |
| 147 | LANCASTER | 1,055 | 1,038 | -1.6 |
| 148 | LANESBOROUGH | 522 | 485 | -7.1 |
| 149 | LAWRENCE | 14,989 | 14,532 | -3.0 |
| 150 | LEE | 791 | 779 | -1.5 |
| 151 | LEICESTER | 1,980 | 1,863 | -5.9 |
| 152 | LENOX | 754 | 682 | -9.5 |
| 153 | LEOMINSTER | 6,174 | 6,384 | 3.4 |
| 154 | LEVERETT | 272 | 261 | -4.0 |
| 155 | LEXINGTON | 5,996 | 6,185 | 3.2 |
| 156 | LEYDEN | 140 | 96 | -31.4 |
| 157 | LINCOLN | 959 | 934 | -2.6 |
| 158 | LITTLETON | 1,617 | 1,642 | 1.5 |
| 159 | LONGMEADOW | 3,116 | 3,026 | -2.9 |
| 160 | LOWELL | 17,597 | 15,994 | -9.1 |
| 161 | LUDLOW | 2,977 | 3,025 | 1.6 |
| 162 | LUNENBURG | 1,779 | 1,696 | -4.7 |
| 163 | LYNN | 14,732 | 14,037 | -4.7 |
| 164 | LYNNFIELD | 1,974 | 2,243 | 13.6 |
| 165 | MALDEN | 6,501 | 7,026 | 8.1 |
| 166 | MANCHESTER | 766 | 724 | -5.5 |
| 167 | MANSFIELD | 4,544 | 4,884 | 7.5 |
| 168 | MARBLEHEAD | 2,985 | 3,179 | 6.5 |
| 169 | MARION | 840 | 768 | -8.6 |
| 170 | MARLBOROUGH | 5,137 | 4,992 | -2.8 |
| 171 | MARSHFIELD | 4,501 | 4,564 | 1.4 |
| 172 | MASHPEE | 2,139 | 2,101 | -1.8 |
| 173 | MATTAPOISETT | 1,010 | 942 | -6.7 |
| 174 | MAYNARD | 1,497 | 1,411 | -5.7 |
| 175 | MEDFIELD | 2,894 | 2,956 | 2.1 |
| 176 | MEDFORD | 5,010 | 5,164 | 3.1 |
| 177 | MEDWAY | 2,824 | 2,768 | -2.0 |
| 178 | MELROSE | 3,637 | 3,623 | -0.4 |
| 179 | MENDON | 1,120 | 1,241 | 10.8 |
| 180 | MERRIMAC | 1,301 | 1,258 | -3.3 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 181 | METHUEN | 7,382 | 7,716 | 4.5 |
| 182 | MIDDLEBOROUGH | 3,790 | 3,699 | -2.4 |
| 183 | MIDDLEFIELD | 80 | 67 | -16.3 |
| 184 | MIDDLETON | 1,242 | 1,488 | 19.8 |
| 185 | MILFORD | 4,122 | 4,246 | 3.0 |
| 186 | MILLBURY | 2,023 | 2,008 | -0.7 |
| 187 | MILLIS | 1,287 | 1,366 | 6.1 |
| 188 | MILLVILLE | 685 | 642 | -6.3 |
| 189 | MILTON | 3,565 | 3,712 | 4.1 |
| 190 | MONROE | 19 | 16 | -15.8 |
| 191 | MONSON | 1,552 | 1,597 | 2.9 |
| 192 | MONTAGUE | 1,230 | 1,038 | -15.6 |
| 193 | MONTEREY | 82 | 88 | 7.3 |
| 194 | MONTGOMERY | 112 | 101 | -9.8 |
| 195 | MT. WASHINGTON | 12 | 16 | 33.3 |
| 196 | NAHANT | 423 | 389 | -8.0 |
| 197 | NANTUCKET | 1,137 | 1,294 | 13.8 |
| 198 | NATICK | 4,645 | 4,822 | 3.8 |
| 199 | NEEDHAM | 4,469 | 4,891 | 9.4 |
| 200 | NEW ASHFORD | 34 | 42 | 23.5 |
| 201 | NEW BEDFORD | 15,954 | 14,622 | -8.3 |
| 202 | NEW BRAINTREE | 180 | 181 | 0.6 |
| 203 | NEWBURY | 1,148 | 1,036 | -9.8 |
| 204 | NEWBURYPORT | 2,232 | 2,284 | 2.3 |
| 205 | NEW MARLBOROUGH | 184 | 178 | -3.3 |
| 206 | NEW SALEM | 170 | 154 | -9.4 |
| 207 | NEWTON | 11,396 | 11,762 | 3.2 |
| 208 | NORFOLK | 1,888 | 1,828 | -3.2 |
| 209 | NORTH ADAMS | 2,322 | 1,906 | -17.9 |
| 210 | NORTHAMPTON | 3,079 | 2,962 | -3.8 |
| 211 | NORTH ANDOVER | 4,198 | 4,541 | 8.2 |
| 212 | N. ATTLEBOROUGH | 4,802 | 4,967 | 3.4 |
| 213 | NORTHBOROUGH | 2,721 | 2,734 | 0.5 |
| 214 | NORTHBRIDGE | 2,546 | 2,621 | 2.9 |
| 215 | N. BROOKFIELD | 908 | 816 | -10.1 |
| 216 | NORTHFIELD | 486 | 478 | -1.6 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 217 | NORTH READING | 2,524 | 2,753 | 9.1 |
| 218 | NORTON | 3,220 | 3,222 | 0.1 |
| 219 | NORWELL | 1,967 | 2,235 | 13.6 |
| 220 | NORWOOD | 3,713 | 3,584 | -3.5 |
| 221 | OAK BLUFFS | 669 | 655 | -2.1 |
| 222 | OAKHAM | 396 | 386 | -2.5 |
| 223 | ORANGE | 1,487 | 1,432 | -3.7 |
| 224 | ORLEANS | 614 | 498 | -18.9 |
| 225 | OTIS | 198 | 158 | -20.2 |
| 226 | OXFORD | 2,284 | 2,178 | -4.6 |
| 227 | PALMER | 2,217 | 2,112 | -4.7 |
| 228 | PAXTON | 692 | 712 | 2.9 |
| 229 | PEABODY | 6,694 | 6,340 | -5.3 |
| 230 | PELHAM | 221 | 207 | -6.3 |
| 231 | PEMBROKE | 3,064 | 3,352 | 9.4 |
| 232 | PEPPERELL | 2,314 | 2,214 | -4.3 |
| 233 | PERU | 177 | 147 | -16.9 |
| 234 | PETERSHAM | 192 | 214 | 11.5 |
| 235 | PHILLIPSTON | 335 | 315 | -6.0 |
| 236 | PITTSFIELD | 6,641 | 6,372 | -4.1 |
| 237 | PLAINFIELD | 84 | 93 | 10.7 |
| 238 | PLAINVILLE | 1,402 | 1,429 | 1.9 |
| 239 | PLYMOUTH | 8,789 | 8,334 | -5.2 |
| 240 | PLYMPTON | 499 | 474 | -5.0 |
| 241 | PRINCETON | 656 | 591 | -9.9 |
| 242 | PROVINCETOWN | 202 | 148 | -26.7 |
| 243 | QUINCY | 8,625 | 8,914 | 3.4 |
| 244 | RANDOLPH | 4,213 | 3,625 | -14.0 |
| 245 | RAYNHAM | 2,129 | 2,220 | 4.3 |
| 246 | READING | 4,190 | 4,306 | 2.8 |
| 247 | REHOBOTH | 1,952 | 1,966 | 0.7 |
| 248 | REVERE | 6,018 | 6,203 | 3.1 |
| 249 | RICHMOND | 262 | 212 | -19.1 |
| 250 | ROCHESTER | 896 | 1,011 | 12.8 |
| 251 | ROCKLAND | 2,793 | 2,600 | -6.9 |
| 252 | ROCKPORT | 1,095 | 976 | -10.9 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 253 | ROWE | 50 | 49 | -2.0 |
| 254 | ROWLEY | 1,102 | 998 | -9.4 |
| 255 | ROYALSTON | 251 | 215 | -14.3 |
| 256 | RUSSELL | 265 | 272 | 2.6 |
| 257 | RUTLAND | 1,402 | 1,613 | 15.0 |
| 258 | SALEM | 5,221 | 4,868 | -6.8 |
| 259 | SALISBURY | 1,287 | 1,234 | -4.1 |
| 260 | SANDISFIELD | 92 | 88 | -4.3 |
| 261 | SANDWICH | 4,133 | 3,725 | -9.9 |
| 262 | SAUGUS | 3,431 | 3,172 | -7.5 |
| 263 | SAVOY | 117 | 114 | -2.6 |
| 264 | SCITUATE | 3,078 | 3,181 | 3.3 |
| 265 | SEEKONK | 2,342 | 2,191 | -6.4 |
| 266 | SHARON | 3,489 | 3,365 | -3.6 |
| 267 | SHEFFIELD | 554 | 514 | -7.2 |
| 268 | SHELBURNE | 303 | 214 | -29.4 |
| 269 | SHERBORN | 947 | 1,004 | 6.0 |
| 270 | SHIRLEY | 966 | 928 | -3.9 |
| 271 | SHREWSBURY | 5,128 | 5,852 | 14.1 |
| 272 | SHUTESBURY | 350 | 292 | -16.6 |
| 273 | SOMERSET | 2,777 | 2,679 | -3.5 |
| 274 | SOMERVILLE | 6,066 | 5,138 | -15.3 |
| 275 | SOUTHAMPTON | 978 | 983 | 0.5 |
| 276 | SOUTHBOROUGH | 1,940 | 2,086 | 7.5 |
| 277 | SOUTHBRIDGE | 2,813 | 2,563 | -8.9 |
| 278 | SOUTH HADLEY | 2,246 | 2,252 | 0.3 |
| 279 | SOUTHWICK | 1,637 | 1,673 | 2.2 |
| 280 | SPENCER | 1,943 | 1,874 | -3.6 |
| 281 | SPRINGFIELD | 28,669 | 28,235 | -1.5 |
| 282 | STERLING | 1,320 | 1,366 | 3.5 |
| 283 | STOCKBRIDGE | 180 | 183 | 1.7 |
| 284 | STONEHAM | 2,844 | 2,685 | -5.6 |
| 285 | STOUGHTON | 4,291 | 4,051 | -5.6 |
| 286 | STOW | 1,110 | 1,187 | 6.9 |
| 287 | STURBRIDGE | 1,488 | 1,586 | 6.6 |
| 288 | SUDBURY | 4,099 | 4,473 | 9.1 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 289 | SUNDERLAND | 406 | 397 | -2.2 |
| 290 | SUTTON | 1,658 | 1,709 | 3.1 |
| 291 | SWAMPSCOTT | 2,152 | 2,178 | 1.2 |
| 292 | SWANSEA | 2,290 | 2,144 | -6.4 |
| 293 | TAUNTON | 8,738 | 8,741 | 0.0 |
| 294 | TEMPLETON | 1,301 | 1,385 | 6.5 |
| 295 | TEWKSBURY | 4,870 | 4,795 | -1.5 |
| 296 | TISBURY | 549 | 534 | -2.7 |
| 297 | TOLLAND | 61 | 73 | 19.7 |
| 298 | TOPSFIELD | 1,237 | 1,252 | 1.2 |
| 299 | TOWNSEND | 1,931 | 1,788 | -7.4 |
| 300 | TRURO | 275 | 201 | -26.9 |
| 301 | TYNGSBOROUGH | 2,169 | 2,166 | -0.1 |
| 302 | TYRINGHAM | 38 | 27 | -28.9 |
| 303 | UPTON | 1,181 | 1,489 | 26.1 |
| 304 | UXBRIDGE | 2,391 | 2,222 | -7.1 |
| 305 | WAKEFIELD | 3,421 | 3,513 | 2.7 |
| 306 | WALES | 304 | 272 | -10.5 |
| 307 | WALPOLE | 3,658 | 3,966 | 8.4 |
| 308 | WALTHAM | 4,870 | 4,804 | -1.4 |
| 309 | WARE | 1,519 | 1,451 | -4.5 |
| 310 | WAREHAM | 3,681 | 3,385 | -8.0 |
| 311 | WARREN | 959 | 933 | -2.7 |
| 312 | WARWICK | 123 | 112 | -8.9 |
| 313 | WASHINGTON | 95 | 73 | -23.2 |
| 314 | WATERTOWN | 2,527 | 2,534 | 0.3 |
| 315 | WAYLAND | 2,857 | 2,762 | -3.3 |
| 316 | WEBSTER | 1,968 | 2,060 | 4.7 |
| 317 | WELLESLEY | 4,095 | 4,796 | 17.1 |
| 318 | WELLFLEET | 334 | 303 | -9.3 |
| 319 | WENDELL | 126 | 100 | -20.6 |
| 320 | WENHAM | 630 | 626 | -0.6 |
| 321 | WESTBOROUGH | 3,567 | 3,538 | -0.8 |
| 322 | WEST BOYLSTON | 1,089 | 1,025 | -5.9 |
| 323 | W. BRIDGEWATER | 1,035 | 1,091 | 5.4 |
| 324 | WEST BROOKFIELD | 577 | 568 | -1.6 |


|  |  | Foundation Enrollment |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LEA | CITY / TOWN | Oct 02 | Oct 07 | \% change |
| 325 | WESTFIELD | 6,510 | 6,202 | -4.7 |
| 326 | WESTFORD | 4,756 | 5,149 | 8.3 |
| 327 | WESTHAMPTON | 268 | 263 | -1.9 |
| 328 | WESTMINSTER | 1,303 | 1,353 | 3.8 |
| 329 | WEST NEWBURY | 877 | 748 | -14.7 |
| 330 | WESTON | 2,250 | 2,323 | 3.2 |
| 331 | WESTPORT | 2,019 | 1,964 | -2.7 |
| 332 | WEST SPRINGFIELD | 4,016 | 3,910 | -2.6 |
| 333 | W. STOCKBRIDGE | 193 | 174 | -9.8 |
| 334 | WEST TISBURY | 507 | 400 | -21.1 |
| 335 | WESTWOOD | 2,694 | 3,033 | 12.6 |
| 336 | WEYMOUTH | 6,845 | 6,668 | -2.6 |
| 337 | WHATELY | 255 | 213 | -16.5 |
| 338 | WHITMAN | 2,508 | 2,440 | -2.7 |
| 339 | WILBRAHAM | 2,851 | 2,703 | -5.2 |
| 340 | WILLIAMSBURG | 370 | 303 | -18.1 |
| 341 | WILLIAMSTOWN | 938 | 723 | -22.9 |
| 342 | WILMINGTON | 3,906 | 4,097 | 4.9 |
| 343 | WINCHENDON | 1,968 | 1,852 | -5.9 |
| 344 | WINCHESTER | 3,390 | 3,844 | 13.4 |
| 345 | WINDSOR | 131 | 134 | 2.3 |
| 346 | WINTHROP | 2,161 | 1,932 | -10.6 |
| 347 | WOBURN | 4,696 | 4,785 | 1.9 |
| 348 | WORCESTER | 27,087 | 25,158 | -7.1 |
| 349 | WORTHINGTON | 206 | 160 | -22.3 |
| 350 | WRENTHAM | 2,041 | 2,085 | 2.2 |
| 351 | YARMOUTH | 2,814 | 2,575 | -8.5 |
|  | STATE TOTAL | 963,766 | 944,224 | -2.0 |


[^0]:    Ken Ardon received a Ph.D. in economics from the University of California at Santa Barbara in 1999, where he co-authored a book on school spending and student achievement. He taught economics at Pomona College before moving to Massachusetts, and, from 2000 to 2004, Dr. Ardon worked for the Commonwealth of Massachusetts in the Executive Office of Administration and Finance. Since 2004, he has been an assistant professor of economics at Salem State College. Dr. Ardon is a member of Pioneer Institute's Center for School Reform Advisory Board.

