GOAL 1  Ready to Learn

1. Has the percentage of infants born in the state with 1 or more of 4 health risks decreased? (1990 vs. 1997)
   - 1990: 42%  
   - 1997: 32%  
2. Has the percentage of fully immunized 2-year-olds increased? (1994 vs. 1997)
   - 1994: 82%  
   - 1997: 87%  
3. Has the percentage of infants born at low birthweight decreased? (1990 vs. 1997)
   - 1990: 6%  
   - 1997: 7%  
4. Has the percentage of mothers receiving early prenatal care increased? (1990 vs. 1997)
   - 1990: 84%  
   - 1997: 89%  
5. Has the number of children with disabilities in preschool (per 1,000 3- to 5-year-olds) increased? (1991 vs. 1998)
   - 1991: 50  
   - 1998: 61

GOAL 2  School Completion

6. Has the high school completion rate increased? (1990 vs. 1997)
   - 1990: 90%  
   - 1997: 91%  
7. Has the high school dropout rate decreased? (1992 vs. 1997)
   - 1992: 3%  
   - 1997: 4%

GOAL 3  Student Achievement and Citizenship

8. Reading: Has the percentage of students scoring at or above Proficient increased
   - In Grade 4 (1992 vs. 1998)
     - 1992: 36%  
     - 1998: 37%  
   - In Grade 8 (1998)
     - 1998: 36%  
     - 1998: —
9. Writing: Has the percentage of students scoring at or above Proficient increased
   - In Grade 8 (1998)
     - 1998: 31%  
     - 1998: —

Children’s Health Index
Percentage of infants born with 1 or more of 4 health risks

<table>
<thead>
<tr>
<th>Year</th>
<th>Baseline</th>
<th>Update</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1987</td>
<td>42%</td>
<td>32%</td>
<td>↑</td>
</tr>
<tr>
<td>1997</td>
<td>32%</td>
<td>32%</td>
<td>—</td>
</tr>
</tbody>
</table>

High School Completion
Percentage of all 18- to 24-year-olds who have a high school credential

<table>
<thead>
<tr>
<th>Year</th>
<th>Baseline</th>
<th>Update</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996</td>
<td>90%</td>
<td>91%</td>
<td>↑</td>
</tr>
<tr>
<td>1997</td>
<td>91%</td>
<td>91%</td>
<td>—</td>
</tr>
</tbody>
</table>

Key:
- Significantly better
- Significantly worse
- Interpret with caution.  Change was not statistically significant.

Comparable data are not available.
Data not available.
The values for indicator 7 in 1992 and 1997 before rounding were 3.2 and 3.4, respectively.
Baseline years and most recent update years may differ by state for this indicator.
See Appendix B for more information.
See pages 245-246 for an explanation of statistical significance.
See pages 16-19 for a Guide to Reading the State Pages.
See Appendix B for technical notes and sources.

1. Risks are:  late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), mother smoked during pregnancy, or mother drank alcohol during pregnancy.
2. Does not include those still in high school.
3. Includes traditional high school diplomas and alternative credentials.
4. Interpret with caution.  Change was not statistically significant.
MASSACHUSETTS

GOAL 3  Student Achievement and Citizenship (continued)

10. Mathematics: Has the percentage of students scoring at or above Proficient increased
   • in Grade 4? (1992 vs. 1996)
     23%  24% ns
   • in Grade 8? (1992 vs. 1996) ns
     23%  28% ns

11. Science: Has the percentage of students scoring at or above Proficient increased
   • in Grade 8? (1996)
     37%  —
   —  25%  —

12. Has the number of Advanced Placement examinations receiving a grade
   at 3 or higher (per 1,000 11th and 12th graders) increased? (1991 vs. 1999)
     82  142
     55  97

GOAL 4  Teacher Education and Professional Development

13. Has the percentage of public secondary school teachers who hold
   • a degree in their main teaching assignment increased? (1991 vs. 1994)
     69%  72% ns
   • a teaching certificate in their main teaching assignment increased? (1991 vs. 1994)
     97%  94% ns

14. Has the percentage of public school teachers participating in professional
   development programs on 1 or more selected topics increased? (1994)
     82%  —
   —  85%  —

15. Has the percentage of public school teachers with training to teach limited
   English proficient students increased? (1994)
     18%  —
   —  16%  —

16. Has the percentage of public school teachers participating in formal
   teacher induction programs during their first year of teaching increased? (1991 vs. 1994)
     14%  13% ns
   —  22%  27% ns

KEY
↑  Significantly better
↓  Significantly worse
ns  Interpret with caution. Change was not statistically significant.

Data not available.
* Baseline years and most recent update years may differ by state for
  this indicator. See Appendix B for more information.
❖ See pages 245-246 for an explanation of statistical significance.
See pages 16-19 for a Guide to Reading the State Pages. See Appendix B for technical notes and sources.

Student Achievement
Percentage of public school students scoring at or above Proficient in reading and mathematics (Indicators 8 & 10)

Professional Development
Percentage of public school teachers participating in professional development on the following topics, 1994 (Indicator 14)
**Massachusetts**

### Mathematics and Science

#### GOAL 5

**Mathematics and Science**

17. Has the state’s international standing improved in
   • Grade 8 mathematics achievement? (1996)
   • Grade 8 science achievement? (1996)

18. Has the percentage of public school 8th graders whose mathematics teachers report that they
   • have students work in small groups or with a partner increased? (1996)
   • address algebra and functions increased? (1996)
   • address reasoning and analytical ability increased? (1996)

19. Has the percentage of public school 8th graders who have computers available in their mathematics classroom increased? (1996)

20. Has the percentage of mathematics and science degrees awarded to
   • all students increased? (1991 vs. 1996)
   • minority (Black, Hispanic, American Indian/Alaskan Native) students increased? (1991 vs. 1996)
   • female students increased? (1991 vs. 1996)

#### GOAL 6

**Adult Literacy and Lifelong Learning**

21. Has the percentage of adults scoring at the 3 highest levels in prose literacy increased? (1992)

22. Has the percentage of U.S. citizens who report that they
   • registered to vote increased? (1988 vs. 1996)
   • voted increased? (1988 vs. 1996)

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**KEY**

- Significantly better
- Significantly worse
- Interpreted with caution. Change was not statistically significant.

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*Indicators are not the same at the national and state levels.
Data not available.
See pages 245-246 for an explanation of statistical significance.
See page 16-19 for a Guide to Reading the State Pages.
See Appendix B for technical notes and sources.

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**Mathematics Instruction**

<table>
<thead>
<tr>
<th>Percentage of public school 8th graders whose mathematics teachers report that they do the following, 1996 (Indicator 14)</th>
<th>Massachusetts</th>
<th>U.S.</th>
<th>Range of State Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>Have students work in small groups or with a partner</td>
<td>60%</td>
<td>64%</td>
<td>45-62%</td>
</tr>
<tr>
<td>Address algebra and functions</td>
<td>60%</td>
<td>60%</td>
<td>45-62%</td>
</tr>
<tr>
<td>Address reasoning &amp; analytical ability</td>
<td>50%</td>
<td>50%</td>
<td>39-64%</td>
</tr>
</tbody>
</table>

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*At least once a week.
On a 4-point scale from "none" to "a lot," defined as a response to the top point.
MASSACHUSETTS

**GOAL 6**  
Adult Literacy and Lifelong Learning (continued)

   - Massachusetts: 60% to 73%
   - U.S.: 7.21% to 12.35%
   - Range of State Scores: 33.68% to 40.73%

**GOAL 7**  
Safe, Disciplined, and Alcohol- and Drug-free Schools

24. Has student marijuana use decreased? (1993 vs. 1997)\(^a\)
   - Massachusetts: 20% to 31%
   - U.S.: 9.44% to 11.45%
   - Range of State Scores: 11.31% to 15.42%

25. Has student alcohol use (5 or more drinks in a row) decreased? (1993 vs. 1997)\(^b\)
   - Massachusetts: 28% to 33%
   - U.S.: 11.18% to 15.17%
   - Range of State Scores: 6.15% to 5.13%

26. Has the availability of drugs on school property decreased? (1993 vs. 1997)\(^c\)
   - Massachusetts: 31% to 42%
   - U.S.: 8.26% to —
   - Range of State Scores: 13.39% to 11.34%

27. Has teacher victimization decreased? (1994)
   - Massachusetts: 14% to —
   - U.S.: 3.23% to 3.13%
   - Range of State Scores: 15% to —

28. Has the percentage of students who do not feel safe at school decreased? (1993 vs. 1997)\(^d\)
   - Massachusetts: 9% to 5%
   - U.S.: 23-60% to 33-65%
   - Range of State Scores: 6-15% to 5-13%

**GOAL 8**  
Parental Participation

32. Have student disruptions that interfere with teaching decreased? (1991 vs. 1994)
   - Massachusetts: 40% to 49%
   - U.S.: 23-60% to 33-65%
   - Range of State Scores: 23-60% to 33-65%

**KEY**

- Significantly better
- Significantly worse
- Interpret with caution. Change was not statistically significant.

---

**Indicators are not the same at the national and state levels.**

- Data not available.
- Baseline years and most recent update years may differ by state for this indicator. See Appendix B for more information.
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1. During the past 30 days.
2. During the past 12 months.
3. On a 6-point scale from "no influence" to "a great deal of influence." Defined as a response to the top two points.
4. Interpret with caution. Change was not statistically significant.