

# Massachusetts

Massachusetts Department of Education, 350 Main Street, Malden, MA 02148-5023

**Superintendent of Education**

Interim Commissioner David P. Driscoll, (781) 388-3300

**National Cooperative Education Statistics System Liaison**

Steven Chrostowski, (781) 388-3300

**Common Core of Data Survey Coordinator**

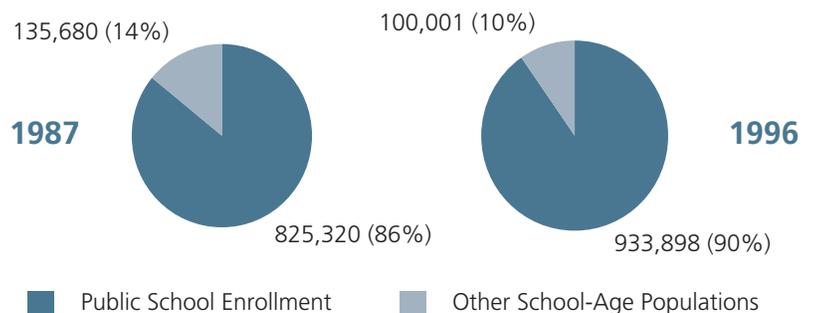
Mary Jane McDonnell, (781) 388-3300



## GENERAL CHARACTERISTICS

1987	1996	Demographics
825,320	933,898	Students in public elementary and secondary schools
1,795	1,856	Public schools
59,517	64,574	Teachers in public elementary and secondary schools
8,257	8,257	Land area in square miles
100.0	113.1	Public school students per square mile
21.7	22.5	Public schools per 100 square miles

**Figure 1**  
School-age population in public elementary and secondary schools



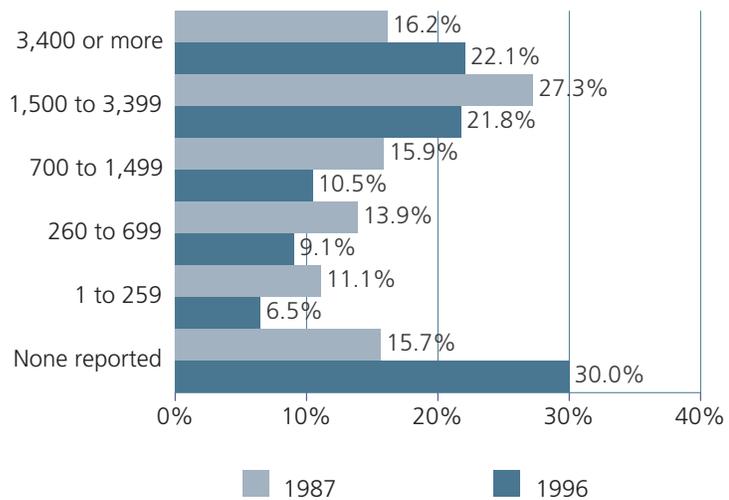
1987	1996	Fiscal summary
5,935	6,085	State population (in thousands)
\$2,462	\$4,338	State revenue per capita
\$2,570	\$4,216	State expenditure per capita
\$317	\$455	State expenditure for elem. and secondary education per capita
\$159,191	\$201,752	Gross state product per school-age child

## AGENCY/SCHOOL INFORMATION

1987		1996		Distribution of agencies by type
100%	428	100%	465	Total public education agencies
92.5%	396	75.9%	353	Regular school districts
7.5%	32	18.3%	85	Regional service agencies
0.0%	0	0.2%	1	State-operated agencies
0.0%	0	5.6%	26	Federally operated and other types

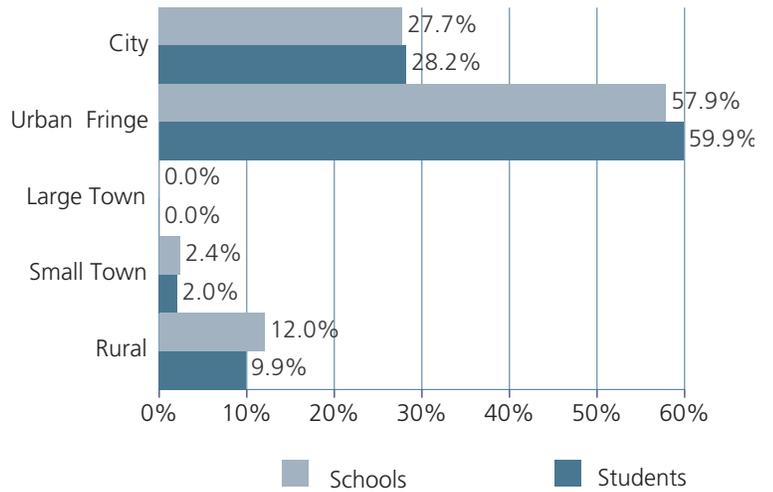
1987		1996		Distribution of agencies by number of schools
0.2%	1	0.2%	1	100 or more schools
1.4%	6	1.3%	6	25 to 99 schools
6.8%	29	6.0%	28	10 to 24 schools
24.8%	106	24.9%	116	5 to 9 schools
52.1%	223	44.9%	209	1 to 4 schools
14.7%	63	22.6%	105	No schools reported

**Figure 2**  
Regular school districts by student membership size

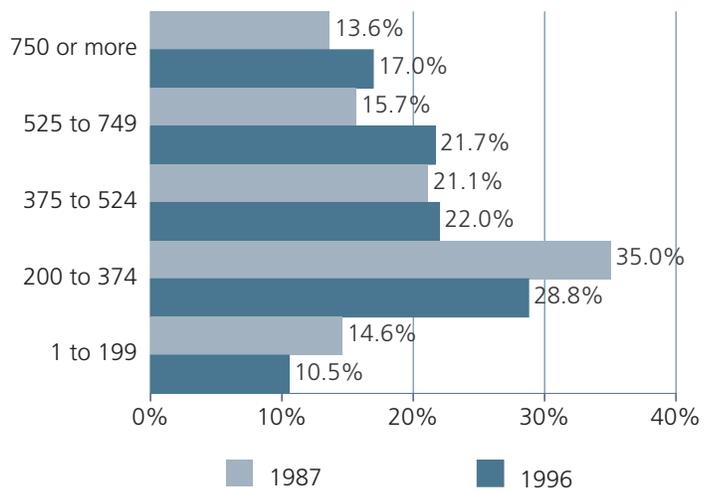


1987		1996		Distribution of schools by type
100%	1,795	100%	1,856	Total public elementary and secondary schools reported
96.7%	1,735	95.6%	1,774	Regular schools
0.4%	7	0.4%	7	Special education schools
2.3%	41	2.4%	45	Vocational schools
0.7%	12	1.6%	30	Other and alternative schools

**Figure 3**  
Distribution of public schools and students by type of locale: 1996-97



**Figure 4**  
Public schools by size of student membership

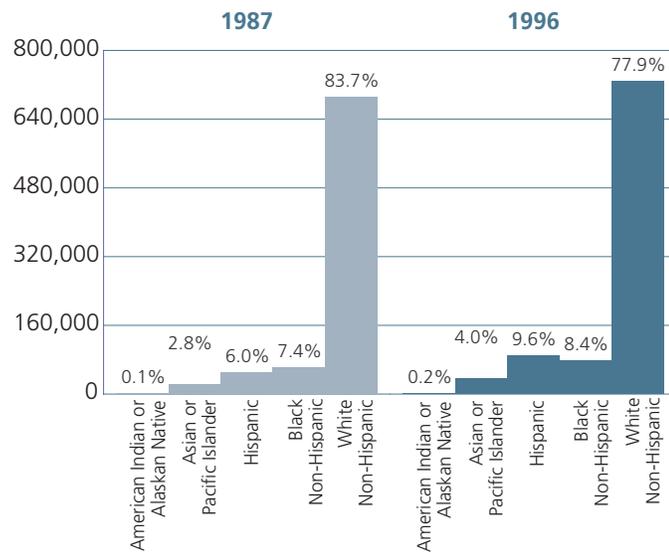


	1987	1996	Number of public schools by grade span category	
53.1%	953	51.0%	947	PK, K, 1 to 3, 4, 5, 6
4.1%	74	4.2%	78	PK, K, 1 to 8
11.6%	208	13.3%	246	4, 5, 6, to 6, 7, 8
5.1%	91	2.2%	41	7 to 8, 9
2.8%	50	3.1%	57	7, 8 to 12
13.1%	236	12.4%	230	9, 10, 11 to 12
8.4%	151	12.7%	235	Other grades
0.4%	7	0.3%	6	Ungraded
1.4%	25	0.9%	16	Not reported

## STUDENT INFORMATION

1987	1996	Public school membership by grade
4,783	15,695	Prekindergarten
67,138	76,519	Kindergarten
69,099	81,375	First
62,640	77,953	Second
59,939	75,468	Third
58,163	73,659	Fourth
57,445	72,121	Fifth
56,480	71,768	Sixth
58,673	69,867	Seventh
59,272	67,029	Eighth
65,364	70,811	Ninth
65,339	64,182	Tenth
65,354	58,643	Eleventh
64,221	52,569	Twelfth
11,410	6,239	Ungraded

**Figure 5**  
Public school student membership by racial/ethnic category

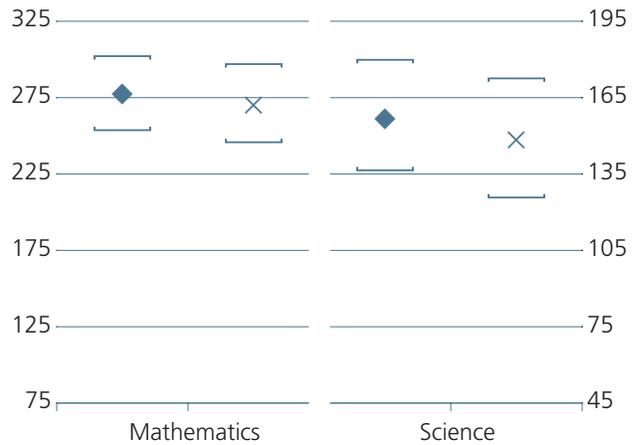


1987	1996	
—	17.0%	Students in special education with IEPs
—	—	School membership eligible for free lunch
—	20.9%	School-age children below poverty

1987		1995		High school completers and dropouts
100.0%	61,010	100.0%	47,993	Regular diploma
—	—	—	—	Other diploma
—	—	—	—	High school equivalency
—	—	—	—	Other completers
—	—	3.3%	—	Dropouts
—	—	58.1%	—	Dropouts who were male
—	—	36.3%	—	Dropouts who were minority

**Figure 6**

Grade 8 1996 Mathematics and Science average scale scores for the state (◆) and nation (×) and the 25th (—) and 75th (—) percentiles



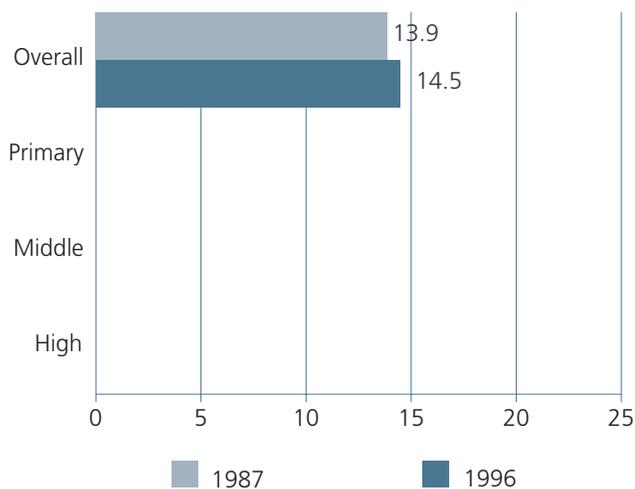
Grade 4	Grade 8	1996 Mathematics and Science achievement levels
229	277.6	Average Mathematics scale score [scale 0 to 500]
28.6%	31.7%	Students below basic level
71.4%	68.3%	Students at or above basic level
24.3%	27.6%	Students at or above proficient level
1.9%	4.7%	Students at advanced level
—	156.9	Average Science scale score [scale 0 to 300]
—	30.6%	Students below basic level
—	69.4%	Students at or above basic level
—	36.8%	Students at or above proficient level
—	3.8%	Students at advanced level

## STAFF INFORMATION

1987		1996		Educational staff
100%	103,471	100%	116,749	<b>Total education staff</b>
				<b>Instructional staff</b>
57.5%	59,517	55.3%	64,574	Teachers
7.8%	8,024	11.9%	13,868	Instructional aides
				<b>Support staff</b>
2.0%	2,075	1.8%	2,125	Guidance counselors/directors
0.9%	955	0.9%	1,007	Librarians/library support
8.0%	8,295	7.6%	8,885	Administrative support
19.5%	20,181	18.8%	21,975	Other support services
				<b>Administrators</b>
2.0%	2,105	1.8%	2,155	School-based
2.2%	2,319	1.9%	2,160	School district officials/administrators

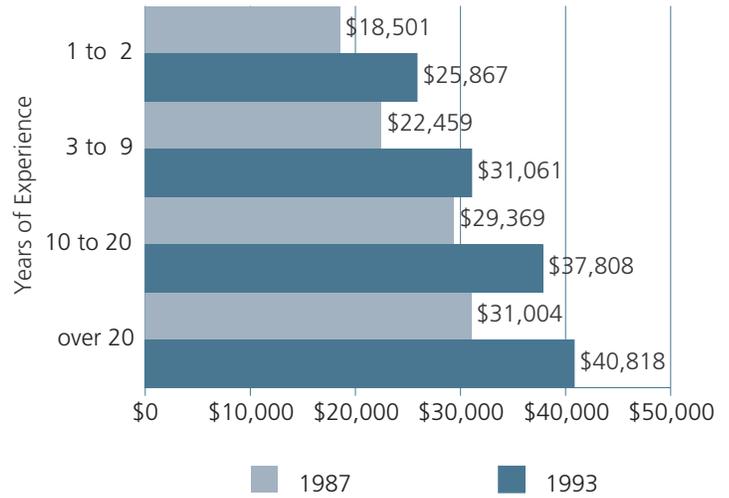
**Figure 7**

Average number of students per teacher, by grade level



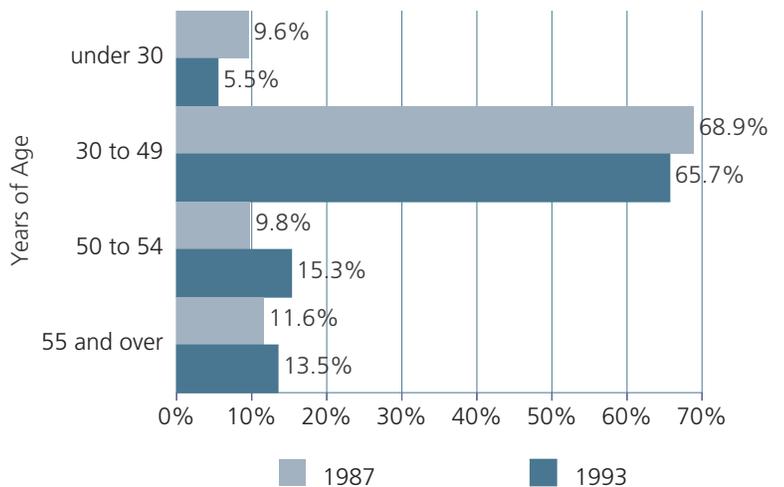
1987	1996	
1.4	1.2	Teacher to all other staff ratio
13.5	15.0	Teacher to administrator ratio

**Figure 8**  
Average salary of full-time teachers  
by years of experience



1987	1996	
\$18,600	\$26,445	Average beginning teacher salary
\$30,379	\$44,101	Average teacher salary

**Figure 9**  
Distribution of public school teachers  
by age

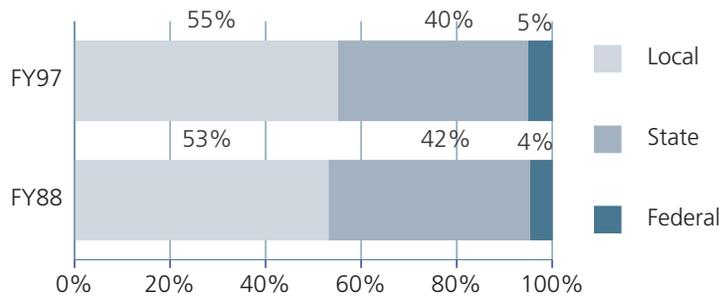


1987	1993	Preparation of teachers: highest degree earned
0.5%	1.3%	Public school teachers with no degree
47.3%	39.1%	Public school teachers with a Bachelor's or lower degree
44.3%	54.8%	Public school teachers with a Master's degree
7.9%	4.8%	Public school teachers with a degree beyond Master's

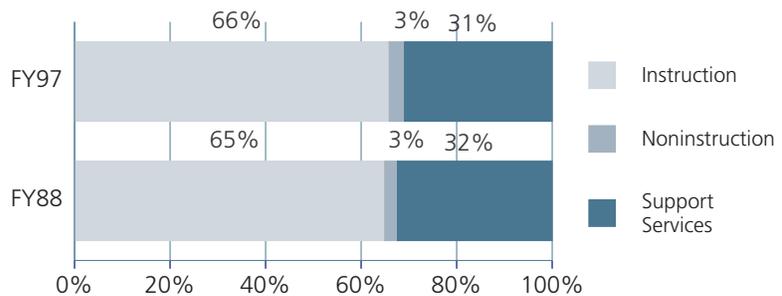
**FISCAL INFORMATION**

FY88	FY97	Federal aid to education under selected programs (in thousands of current dollars)
\$41,421	\$85,909	National school lunch
\$7,859	\$17,297	National school breakfast
\$107,587	\$152,770	Title I
\$19,586	\$97,738	Education for the handicapped
\$21,010	\$28,290	Vocational and adult education
\$16,107	\$46,097	School improvement
\$11,432	\$1,110	School assistance (federally affected areas)
\$2,801	\$3,821	Bilingual education
\$335	\$65	Indian education

**Figure 10**  
Revenues by source



**Figure 11**  
Current expenditures by function



FY88	FY97	Revenues and expenditures (in current dollars)
\$4,485,247	\$7,229,486	Revenues (in thousands of dollars)
\$5,435	\$7,741	Revenue per pupil in membership
\$4,098,062	\$6,846,610	Current expenditures (in thousands of dollars)
\$4,965	\$7,331	Current expenditure per pupil in membership