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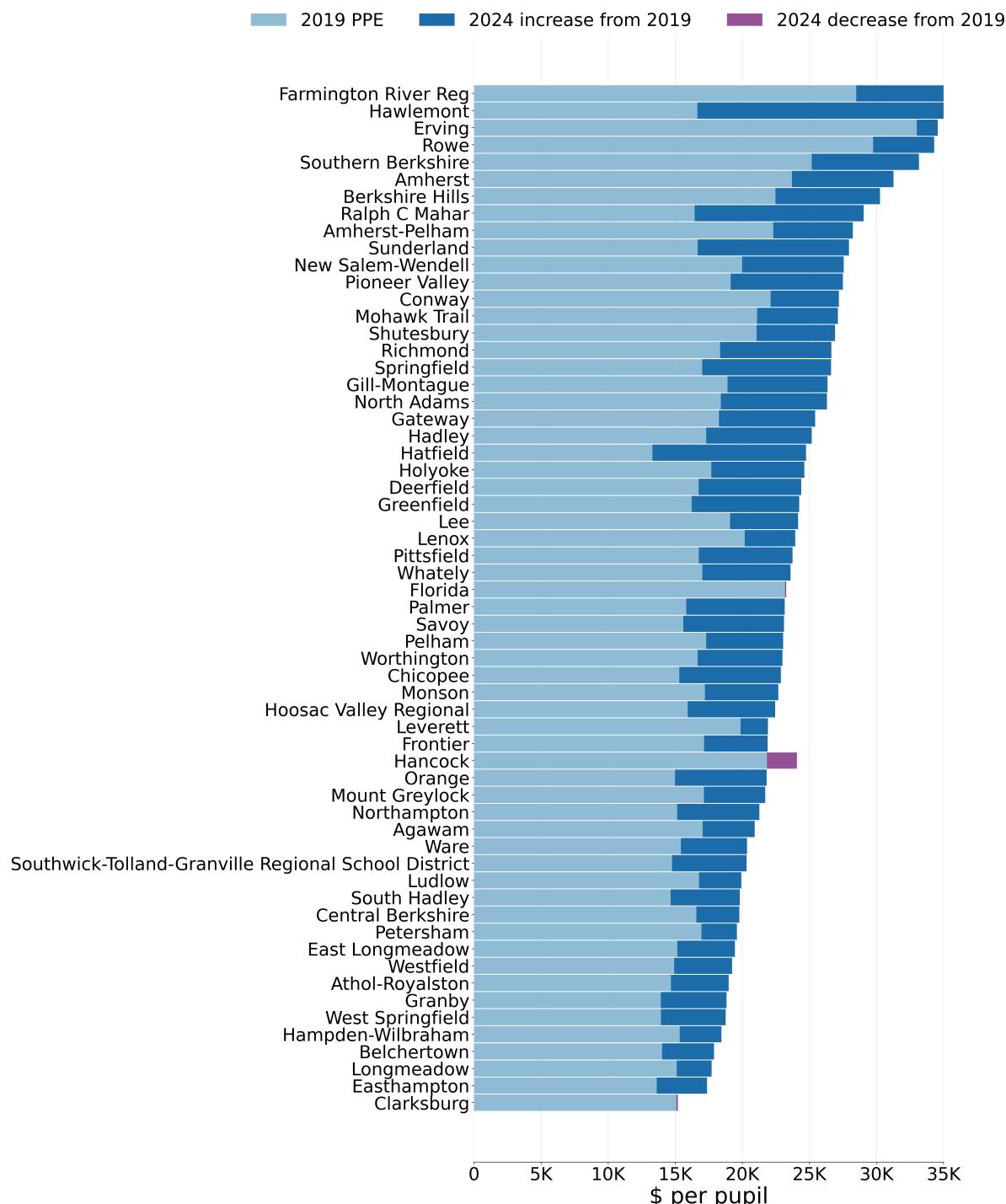
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All Western MA Traditional Districts

Per-pupil expenditure overview: 2019 PPE (lighter) to 2024 PPE (darker segment)

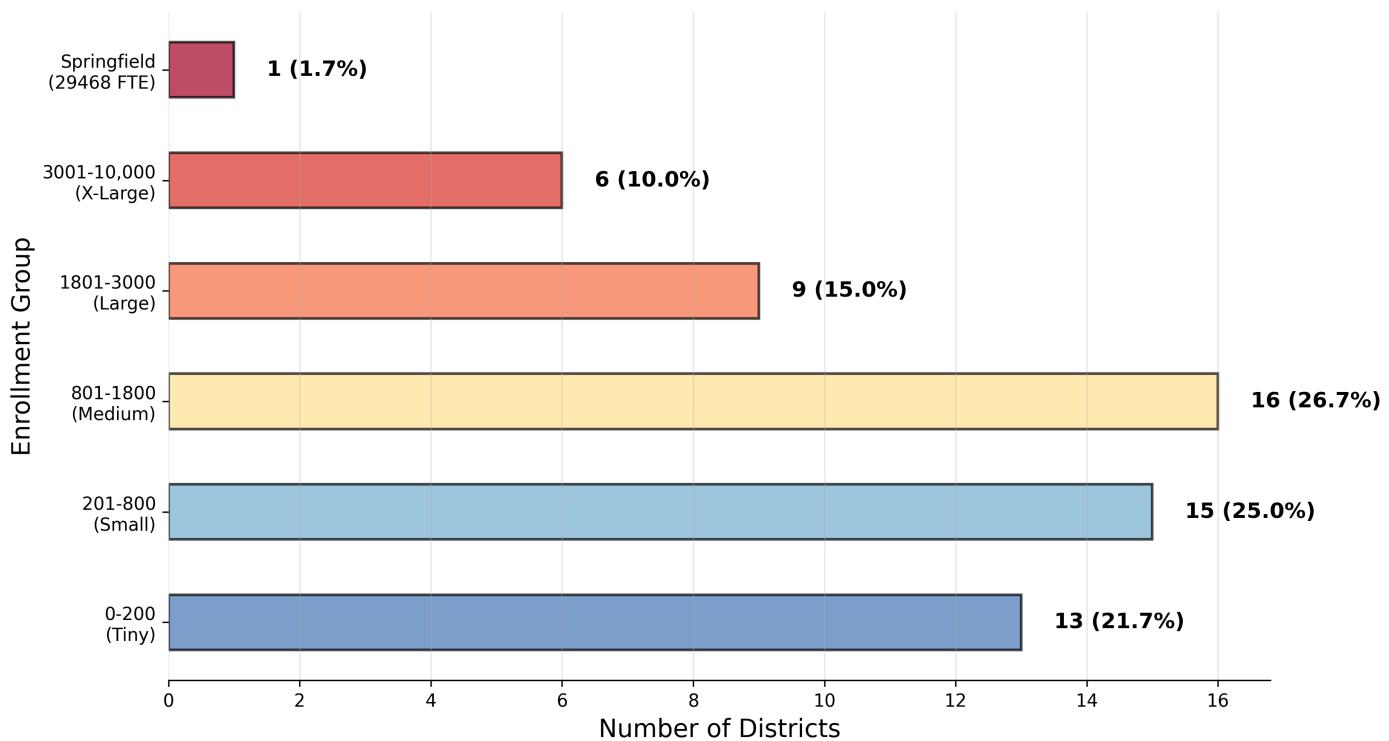
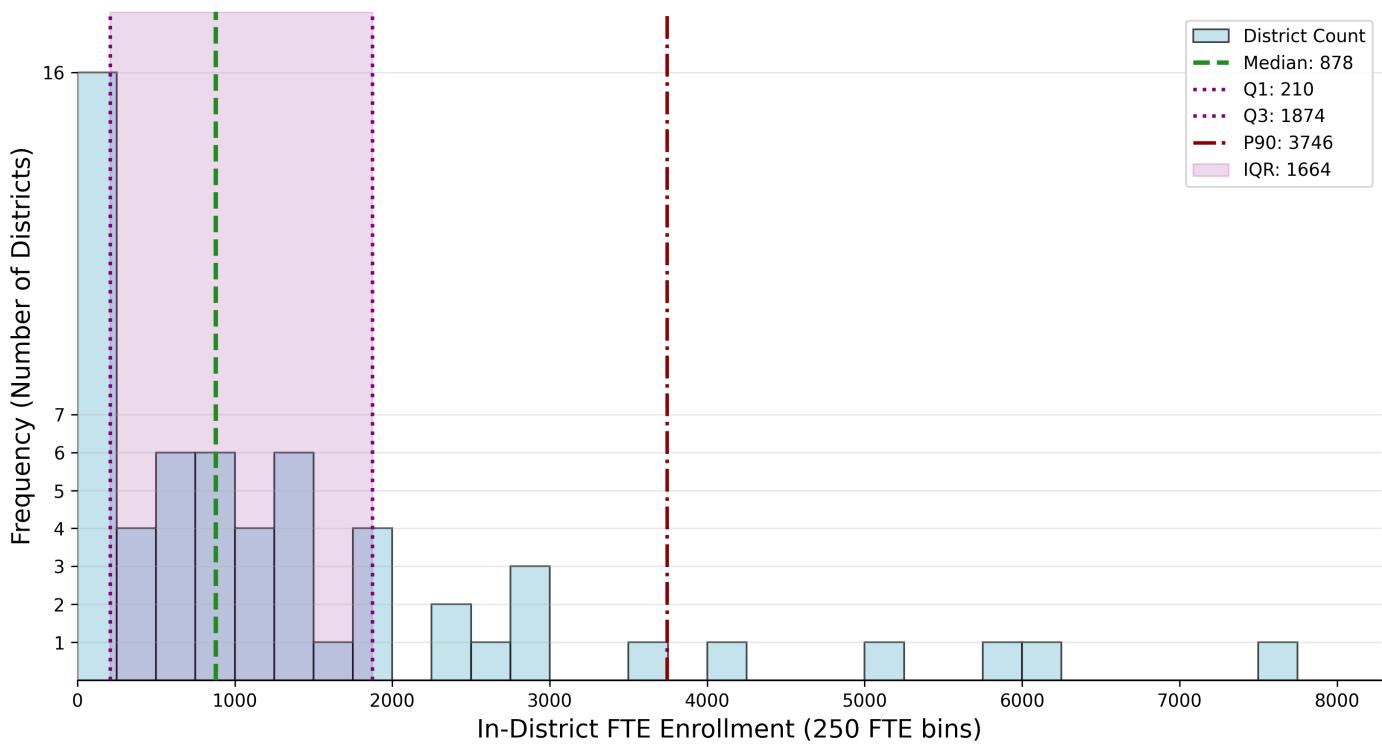


Each bar represents one district's per-pupil expenditures (PPE). Districts are sorted by 2024 PPE (lowest to highest).

Note: The following districts are omitted from this analysis: Chesterfield-Goshen (missing expenditure data), Hampshire (missing expenditure data), Southampton (missing expenditure data), Warwick (no enrollment data), Westhampton (missing expenditure data), Williamsburg (missing expenditure data).

All Western MA Traditional Districts

Enrollment distribution and proposed cohort grouping

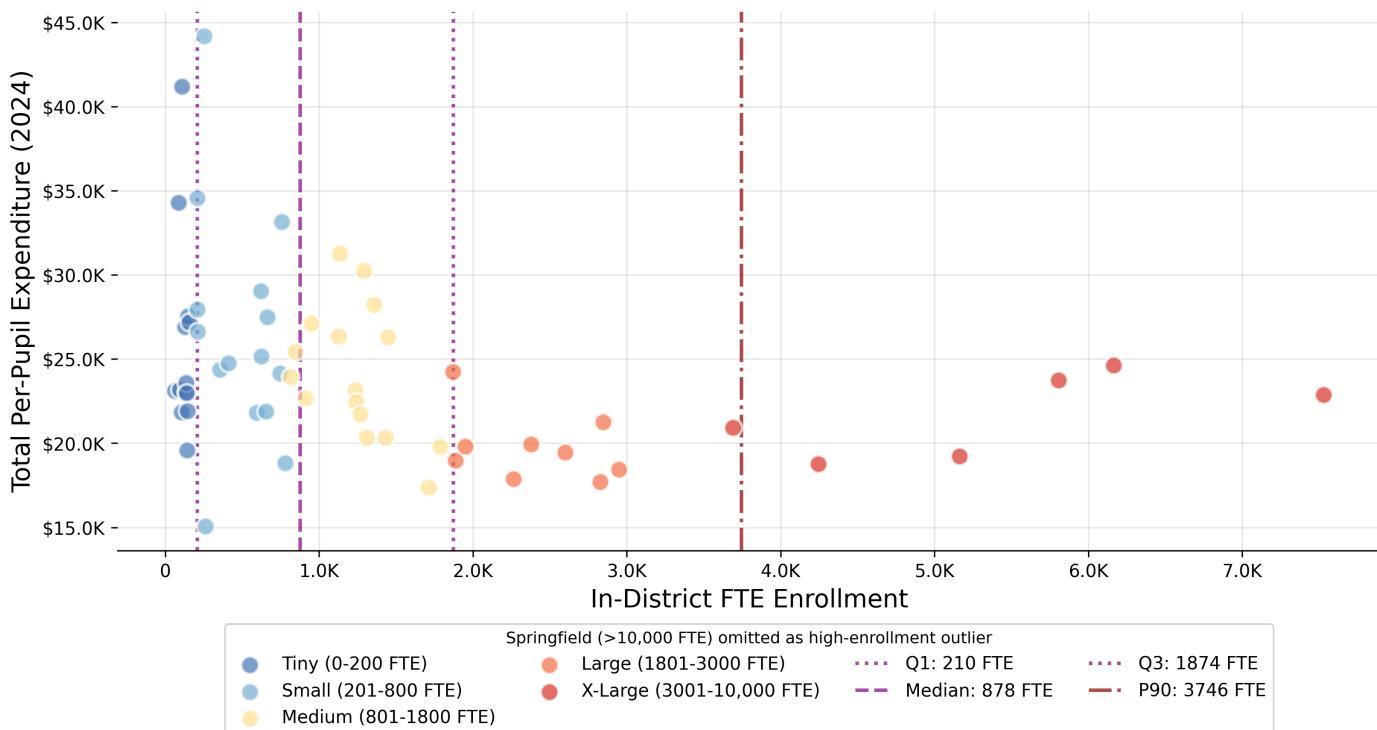


The histogram (top) shows right-skewed enrollment distribution using 250 FTE bins, with a long right tail and sparse districts at higher enrollments. Based on IQR analysis, districts are grouped into five enrollment-based cohorts (bottom): Tiny (0-200 FTE), Small (201-800 FTE), Medium (801-1800 FTE), Large (1801-3000 FTE), X-Large (3001-10,000 FTE), and Springfield (>10,000 FTE, statistical outlier). These cohorts enable meaningful comparisons between districts facing similar scale-related challenges in staffing, facilities, and programming.

Note: To reduce the number of moving parts, the rest of this report will use the cohorts defined by the 2024 IQR analysis for all years.

All Western MA Traditional Districts

Scatterplot of enrollment vs. per-pupil expenditure with quartile boundaries (2024)

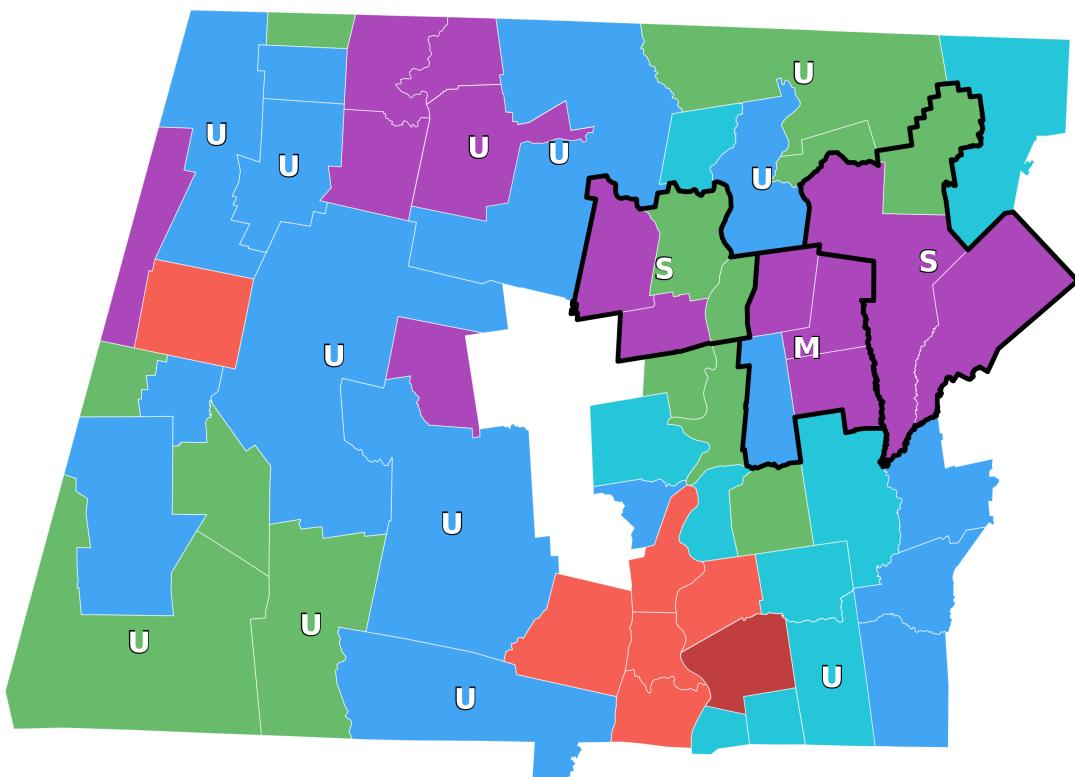


District	2024 FTE	2024 PPE ▼
Hawlemont	108	\$41,189
Rowe	86	\$34,297
New Salem-Wendell	148	\$27,553
Conway	155	\$27,200
Shutesbury	129	\$26,908
Whately	136	\$23,593
Florida	94	\$23,175
Savoy	62	\$23,099
Pelham	136	\$23,040
Worthington	140	\$22,985
Leverett	145	\$21,910
Hancock	106	\$21,836
Petersham	141	\$19,591
Farmington River Reg	254	\$44,178
Erving	208	\$34,566
Southern Berkshire	758	\$33,162
Ralph C Maher	622	\$29,040
Sunderland	209	\$27,953
Pioneer Valley	664	\$27,490
Richmond	210	\$26,631
Hadley	624	\$25,173
Hatfield	412	\$24,752
Deerfield	355	\$24,382
Lee	746	\$24,155
Frontier	656	\$21,881
Orange	593	\$21,809
Granby	781	\$18,824
Clarksburg	262	\$15,078
Amherst	1,135	\$31,267
Berkshire Hills	1,291	\$30,257

District	2024 FTE	2024 PPE ▼
Amherst-Pelham	1,356	\$28,233
Mohawk Trail	951	\$27,124
Gill-Montague	1,127	\$26,345
North Adams	1,447	\$26,300
Gateway	847	\$25,430
Lenox	814	\$23,944
Palmer	1,234	\$23,154
Monson	910	\$22,675
Hoosac Valley Regional	1,240	\$22,450
Mount Greylock	1,269	\$21,705
Ware	1,310	\$20,348
Southwick-Tolland-Granville Regional School District	1,432	\$20,311
Central Berkshire	1,787	\$19,773
Easthampton	1,712	\$17,371
Greenfield	1,869	\$24,237
Northampton	2,846	\$21,267
Ludlow	2,377	\$19,928
South Hadley	1,950	\$19,810
East Longmeadow	2,600	\$19,444
Athol-Royalston	1,887	\$18,981
Hampden-Wilbraham	2,950	\$18,436
Belchertown	2,265	\$17,887
Longmeadow	2,826	\$17,710
Holyoke	6,165	\$24,619
Pittsfield	5,806	\$23,739
Chicopee	7,530	\$22,866
Agawam	3,691	\$20,920
Westfield	5,162	\$19,236
West Springfield	4,245	\$18,760
Springfield	29,468	\$26,615

All Western MA Traditional Districts

Geographic map showing district locations and enrollment cohorts (2024)



Enrollment Cohorts

- Tiny (0-200 FTE): 13 district(s)
- Small (201-800 FTE): 15 district(s)
- Medium (801-1800 FTE): 16 district(s)
- Large (1801-3000 FTE): 9 district(s)
- Springfield (>10,000 FTE, statistical outlier): 1 district(s)

- Secondary regional (black border)
Cohort: T, S, M, L, XL
- U = Unified regional district

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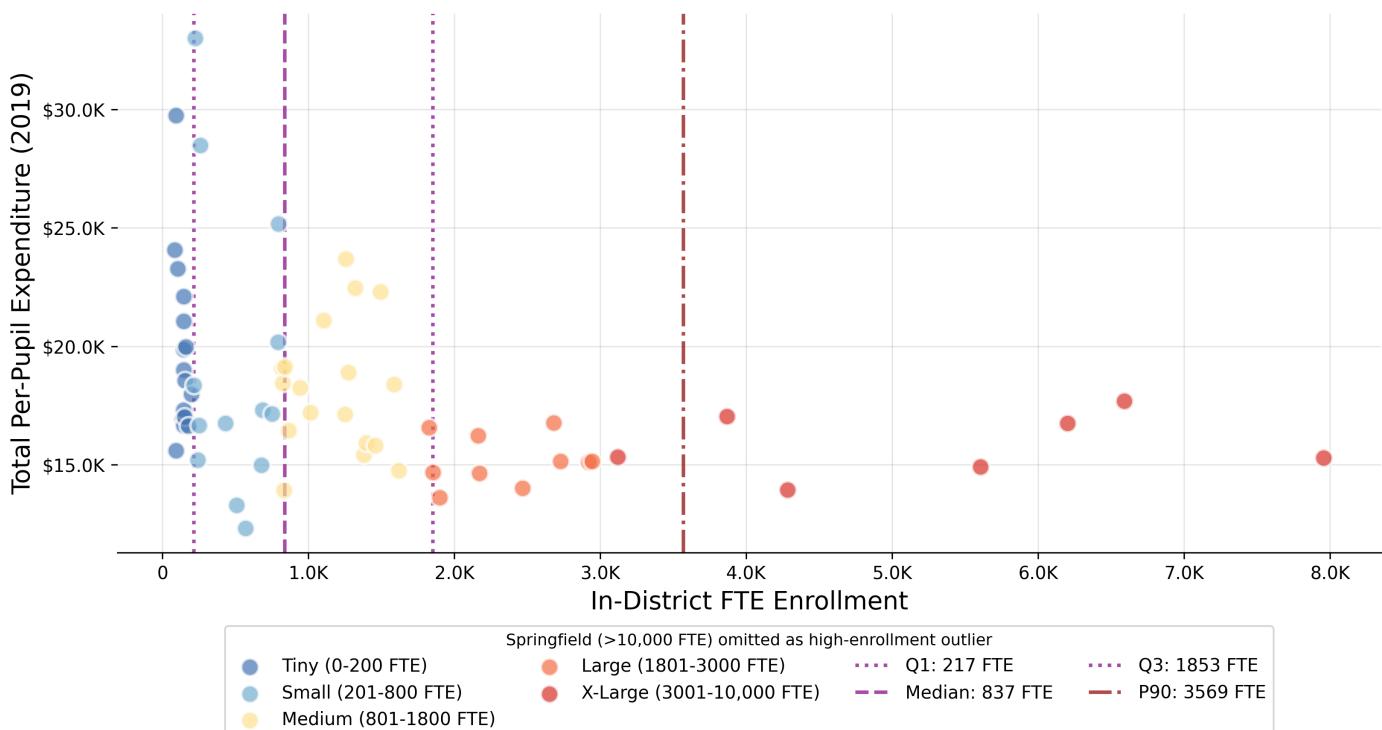
This map situates the districts within their geographic context in Western Massachusetts.

Districts are shaded according to the enrollment cohort system: Tiny (blue), Small (light blue), Medium (yellow), Large (orange), X-Large (red).

Elementary and PK-12 unified districts appear as solid filled areas. Unified regional districts (marked with 'U') serve all grades PK-12 across multiple towns. Secondary regional districts are bounded by a thick black border with a cohort letter indicator (T = Tiny, S = Small, M = Medium, L = Large, XL = X-Large) showing the enrollment cohort of the secondary regional district.

All Western MA Traditional Districts

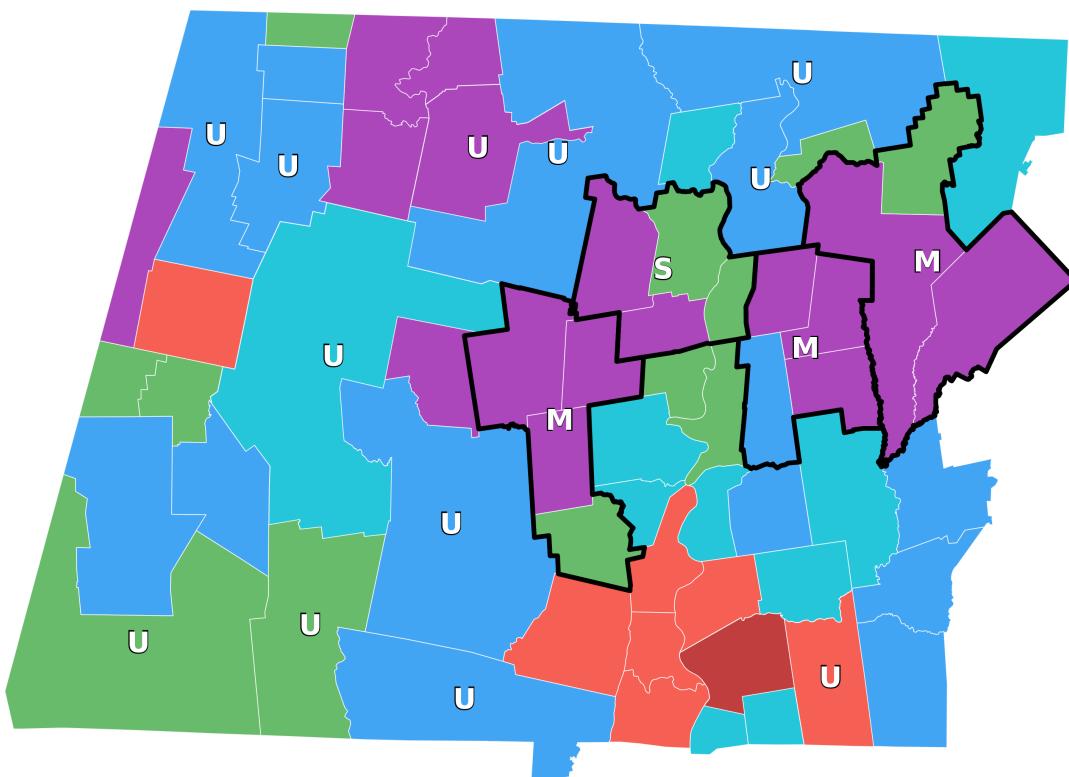
Scatterplot of enrollment vs. per-pupil expenditure with quartile boundaries (2019)



District	2019 FTE	2019 PPE ▼	District	2019 FTE	2019 PPE ▼
Rowe	94	\$29,747	Pioneer Valley	837	\$19,125
Hancock	85	\$24,069	Lee	819	\$19,082
Florida	103	\$23,270	Gill-Montague	1,275	\$18,893
Conway	145	\$22,109	Hampshire	824	\$18,456
Shutesbury	145	\$21,056	North Adams	1,587	\$18,395
New Salem-Wendell	161	\$19,986	Gateway	944	\$18,257
Leverett	145	\$19,866	Monson	1,013	\$17,212
Chesterfield-Goshen	145	\$19,009	Mount Greylock	1,251	\$17,137
Westhampton	155	\$18,548	Ralph C Maher	866	\$16,447
Williamsburg	198	\$17,985	Hoosac Valley Regional	1,396	\$15,929
Pelham	145	\$17,303	Palmer	1,460	\$15,822
Whately	150	\$17,017	Ware	1,379	\$15,423
Petersham	135	\$16,960	Southwick-Tolland-Granville Regional School District	1,620	\$14,758
Worthington	144	\$16,672	Granby	834	\$13,919
Hawlemont	178	\$16,644	Ludlow	2,680	\$16,772
Savoy	93	\$15,595	Central Berkshire	1,826	\$16,577
Erving	225	\$33,003	Greenfield	2,163	\$16,226
Farmington River Reg	259	\$28,487	East Longmeadow	2,728	\$15,150
Southern Berkshire	794	\$25,172	Northampton	2,943	\$15,148
Lenox	792	\$20,176	Longmeadow	2,920	\$15,112
Richmond	217	\$18,349	Athol-Royalston	1,853	\$14,674
Hadley	687	\$17,306	South Hadley	2,171	\$14,653
Frontier	752	\$17,142	Belchertown	2,468	\$14,018
Deerfield	432	\$16,748	Easthampton	1,900	\$13,620
Sunderland	251	\$16,669	Holyoke	6,590	\$17,688
Clarksburg	243	\$15,201	Agawam	3,869	\$17,043
Orange	679	\$14,988	Pittsfield	6,202	\$16,751
Hatfield	508	\$13,296	Hampden-Wilbraham	3,119	\$15,337
Southampton	568	\$12,329	Chicopee	7,957	\$15,298
Amherst	1,255	\$23,694	Westfield	5,606	\$14,918
Berkshire Hills	1,320	\$22,463	West Springfield	4,282	\$13,937
Amherst-Pelham	1,493	\$22,304	Springfield	30,444	\$17,009
Mohawk Trail	1,105	\$21,096			

All Western MA Traditional Districts

Geographic map showing district locations and enrollment cohorts (2019)



Enrollment Cohorts

- Tiny (0-200 FTE): 16 district(s)
- Small (201-800 FTE): 13 district(s)
- Medium (801-1800 FTE): 18 district(s)
- Large (1801-3000 FTE): 10 district(s)
- Springfield (>10,000 FTE, statistical outlier): 1 district(s)

- Secondary regional (black border)
Cohort: T, S, M, L, XL
- U = Unified regional district

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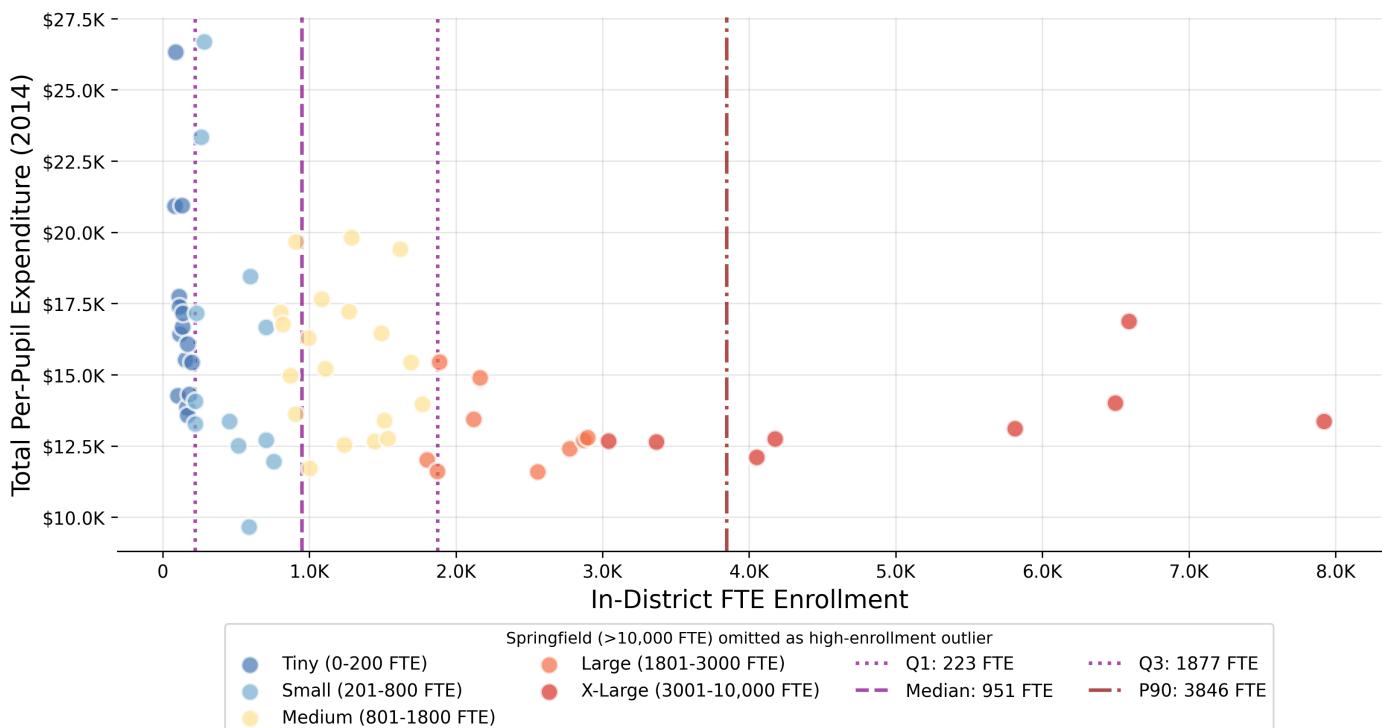
This map situates the districts within their geographic context in Western Massachusetts.

Districts are shaded according to the enrollment cohort system: Tiny (blue), Small (light blue), Medium (yellow), Large (orange), X-Large (red).

Elementary and PK-12 unified districts appear as solid filled areas. Unified regional districts (marked with 'U') serve all grades PK-12 across multiple towns. Secondary regional districts are bounded by a thick black border with a cohort letter indicator (T = Tiny, S = Small, M = Medium, L = Large, XL = X-Large) showing the enrollment cohort of the secondary regional district.

All Western MA Traditional Districts

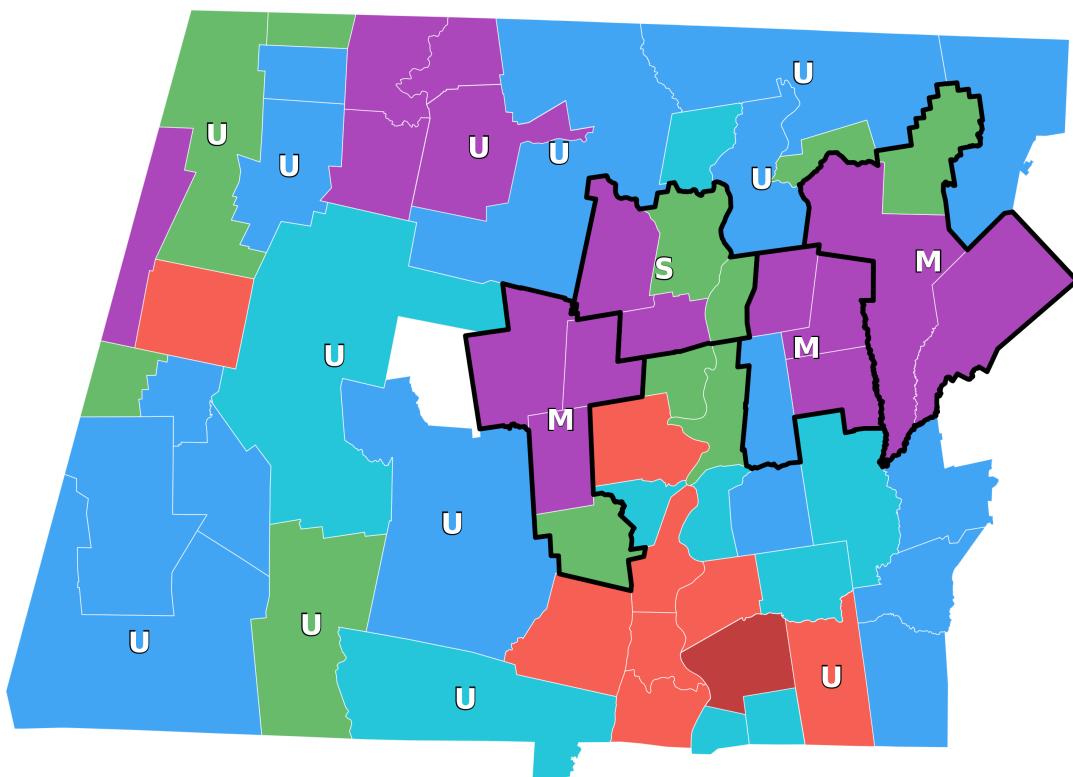
Scatterplot of enrollment vs. per-pupil expenditure with quartile boundaries (2014)



District	2014 FTE	2014 PPE ▼	District	2014 FTE	2014 PPE ▼
Rowe	88	\$26,332	Lenox	806	\$17,194
Leverett	132	\$20,935	Lee	818	\$16,765
Savoy	83	\$20,923	Berkshire Hills	1,492	\$16,458
Florida	112	\$17,740	Pioneer Valley	993	\$16,285
Hawlemont	114	\$17,391	North Adams	1,694	\$15,434
New Salem-Wendell	139	\$17,162	Gateway	1,110	\$15,206
Pelham	135	\$16,685	Hampshire	870	\$14,965
Petersham	117	\$16,421	Athol-Royalston	1,772	\$13,967
Shutesbury	170	\$16,087	Ralph C Maher	906	\$13,625
Whately	155	\$15,521	Hoosac Valley Regional	1,512	\$13,395
Williamsburg	199	\$15,441	Palmer	1,536	\$12,763
Conway	181	\$14,305	Ware	1,446	\$12,664
Hancock	102	\$14,273	Monson	1,240	\$12,543
Westhampton	164	\$13,846	Granby	1,003	\$11,712
Chesterfield-Goshen	169	\$13,574	Central Berkshire	1,887	\$15,459
Farmington River Reg	284	\$26,684	Greenfield	2,165	\$14,893
Erving	262	\$23,344	South Hadley	2,120	\$13,440
Mount Greylock	598	\$18,447	Longmeadow	2,898	\$12,797
Richmond	230	\$17,160	Ludlow	2,870	\$12,702
Frontier	705	\$16,660	East Longmeadow	2,776	\$12,413
Clarksburg	223	\$14,075	Southwick-Tolland-Granville Regional School District	1,803	\$12,018
Deerfield	455	\$13,372	Easthampton	1,874	\$11,607
Sunderland	223	\$13,283	Belchertown	2,558	\$11,596
Orange	706	\$12,711	Holyoke	6,590	\$16,881
Hatfield	517	\$12,517	Pittsfield	6,497	\$14,013
Hadley	758	\$11,961	Chicopee	7,921	\$13,361
Southampton	590	\$9,664	Westfield	5,811	\$13,112
Amherst	1,287	\$19,820	Agawam	4,176	\$12,750
Southern Berkshire	909	\$19,660	Northampton	3,040	\$12,674
Amherst-Pelham	1,619	\$19,416	Hampden-Wilbraham	3,367	\$12,650
Mohawk Trail	1,084	\$17,652	West Springfield	4,051	\$12,106
Gill-Montague	1,271	\$17,221	Springfield	28,862	\$15,315

All Western MA Traditional Districts

Geographic map showing district locations and enrollment cohorts (2014)



Enrollment Cohorts

- Tiny (0-200 FTE): 15 district(s)
- Small (201-800 FTE): 12 district(s)
- Medium (801-1800 FTE): 19 district(s)
- Large (1801-3000 FTE): 9 district(s)
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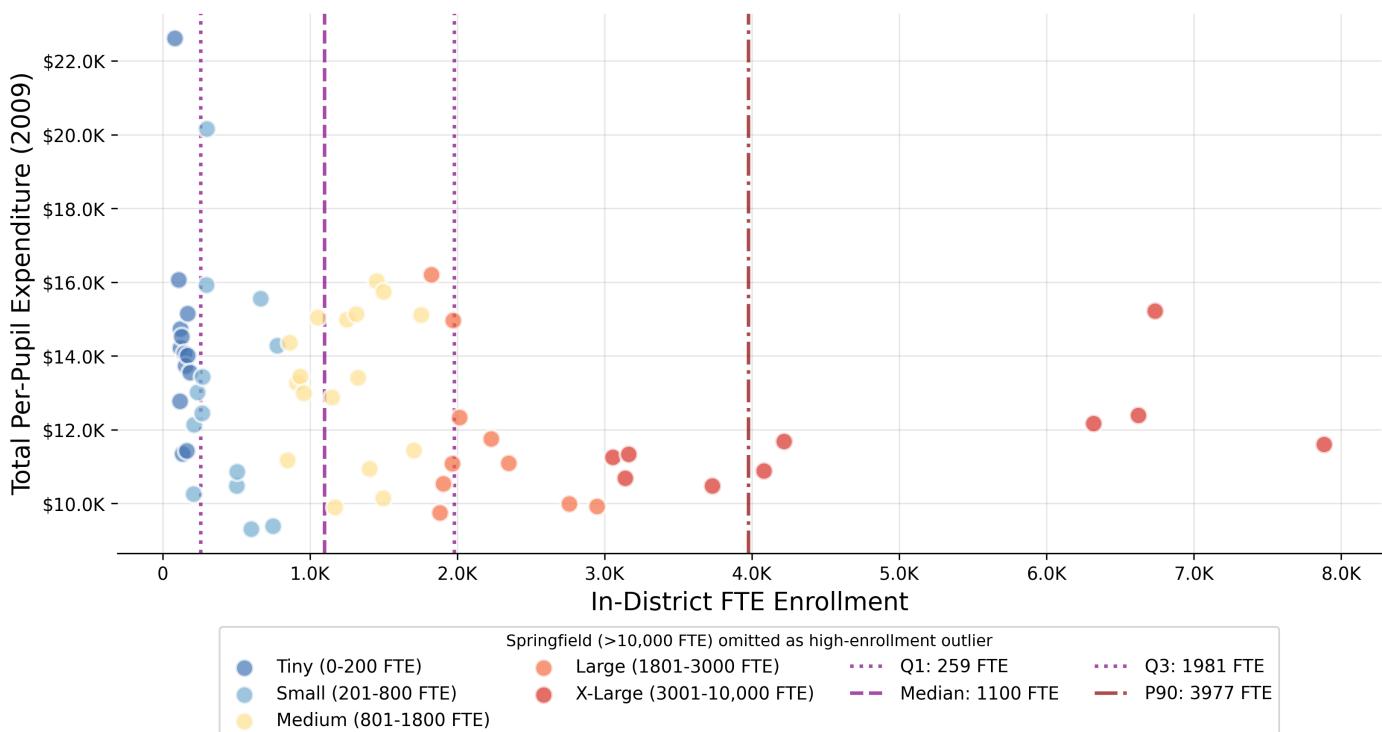
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All Western MA Traditional Districts

Scatterplot of enrollment vs. per-pupil expenditure with quartile boundaries (2009)

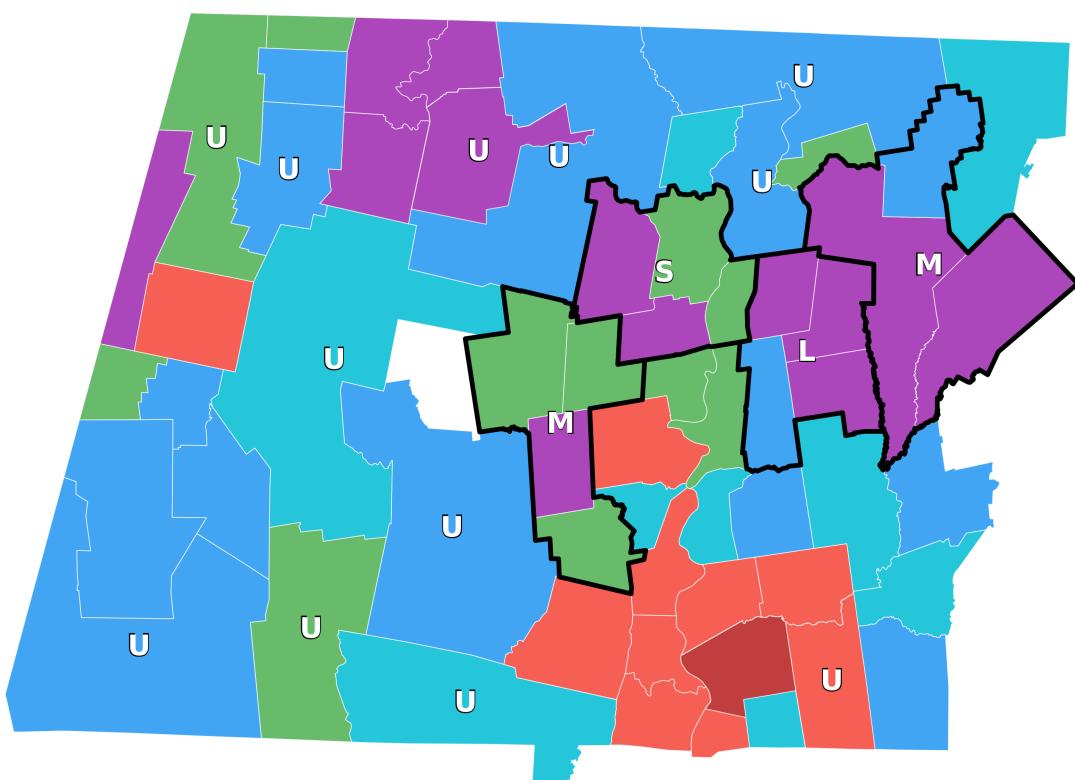


District	2009 FTE	2009 PPE ▼
Rowe	83	\$22,616
Hancock	108	\$16,069
Leverett	168	\$15,156
Pelham	120	\$14,733
Hawlemont	130	\$14,531
Petersham	120	\$14,224
New Salem-Wendell	150	\$14,079
Shutesbury	169	\$14,011
Whately	153	\$13,740
Conway	185	\$13,557
Savoy	116	\$12,772
Westhampton	162	\$11,435
Florida	134	\$11,349
Farmington River Reg	301	\$20,165
Erving	297	\$15,928
Mount Greylock	665	\$15,564
Frontier	776	\$14,288
Richmond	269	\$13,435
Sunderland	234	\$13,023
Clarksburg	268	\$12,448
Williamsburg	213	\$12,143
Deerfield	506	\$10,864
Hatfield	504	\$10,476
Chesterfield-Goshen	210	\$10,258
Hadley	749	\$9,388
Southampton	602	\$9,315
Amherst	1,452	\$16,029
Berkshire Hills	1,500	\$15,739
Gill-Montague	1,313	\$15,141
North Adams	1,754	\$15,116
Southern Berkshire	1,052	\$15,050
Mohawk Trail	1,249	\$14,995

District	2009 FTE	2009 PPE ▼
Lenox	862	\$14,359
Lee	934	\$13,448
Gateway	1,326	\$13,413
Ralph C Maher	910	\$13,278
Hampshire	958	\$12,998
Pioneer Valley	1,148	\$12,885
Hoosac Valley Regional	1,704	\$11,448
Orange	847	\$11,176
Ware	1,403	\$10,944
Monson	1,498	\$10,139
Granby	1,169	\$9,905
Amherst-Pelham	1,824	\$16,211
Greenfield	1,970	\$14,970
Athol-Royalston	2,014	\$12,338
Central Berkshire	2,229	\$11,760
South Hadley	2,348	\$11,094
Easthampton	1,967	\$11,081
Palmer	1,906	\$10,544
Belchertown	2,759	\$9,996
East Longmeadow	2,949	\$9,924
Southwick-Tolland-Granville Regional School District	1,880	\$9,754
Holyoke	6,736	\$15,217
Pittsfield	6,623	\$12,390
Westfield	6,320	\$12,177
Agawam	4,217	\$11,690
Chicopee	7,884	\$11,605
Longmeadow	3,164	\$11,336
Northampton	3,056	\$11,254
West Springfield	4,082	\$10,883
Ludlow	3,140	\$10,688
Hampden-Wilbraham	3,732	\$10,485
Springfield	28,708	\$14,608

All Western MA Traditional Districts

Geographic map showing district locations and enrollment cohorts (2009)



Enrollment Cohorts

- Tiny (0-200 FTE): 13 district(s)
- Small (201-800 FTE): 13 district(s)
- Medium (801-1800 FTE): 17 district(s)
- Large (1801-3000 FTE): 10 district(s)
- Springfield (>10,000 FTE, statistical outlier): 1 district(s)

- Secondary regional (black border)
Cohort: T, S, M, L, XL
- U = Unified regional district

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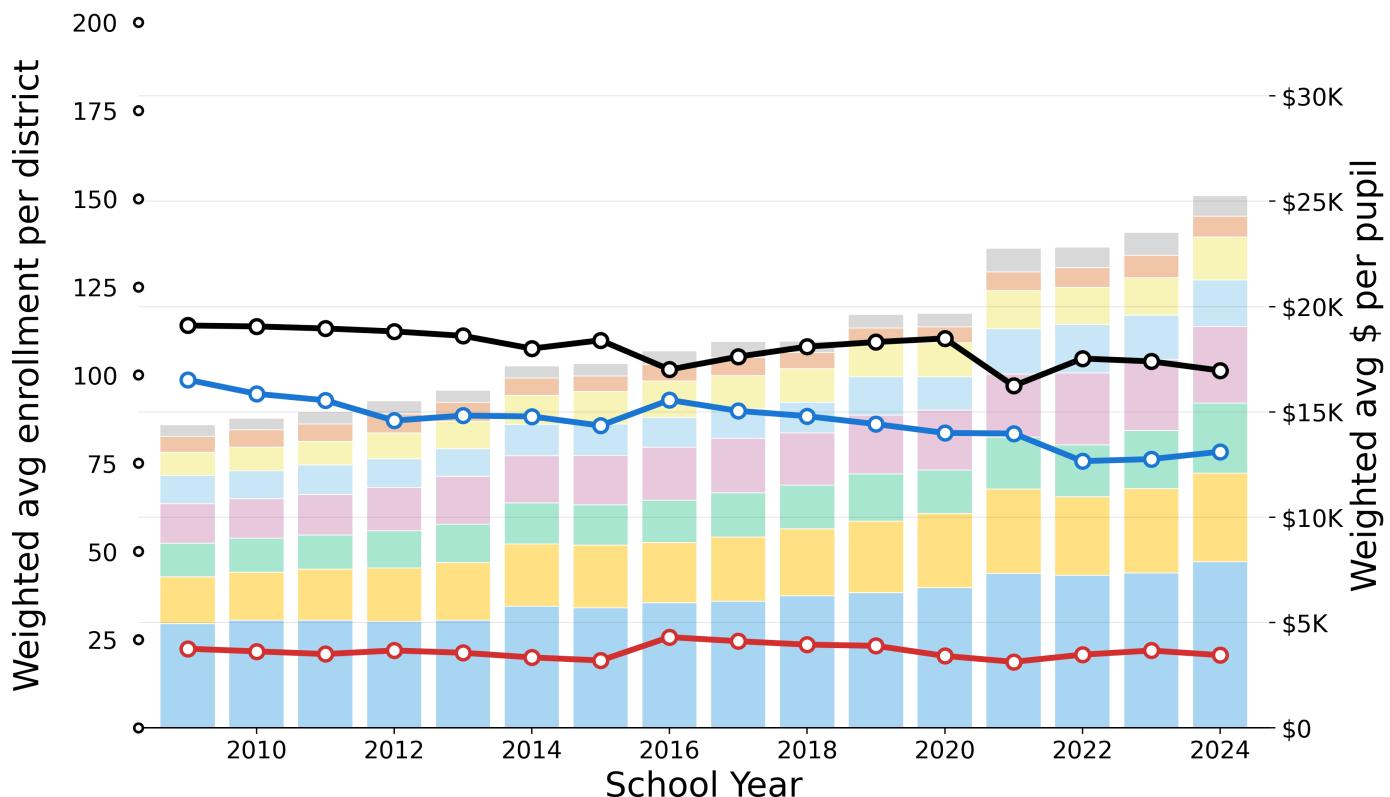
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All Western MA Traditional Districts: Tiny (0-200 FTE)

PPE vs Enrollment — Weighted average per district

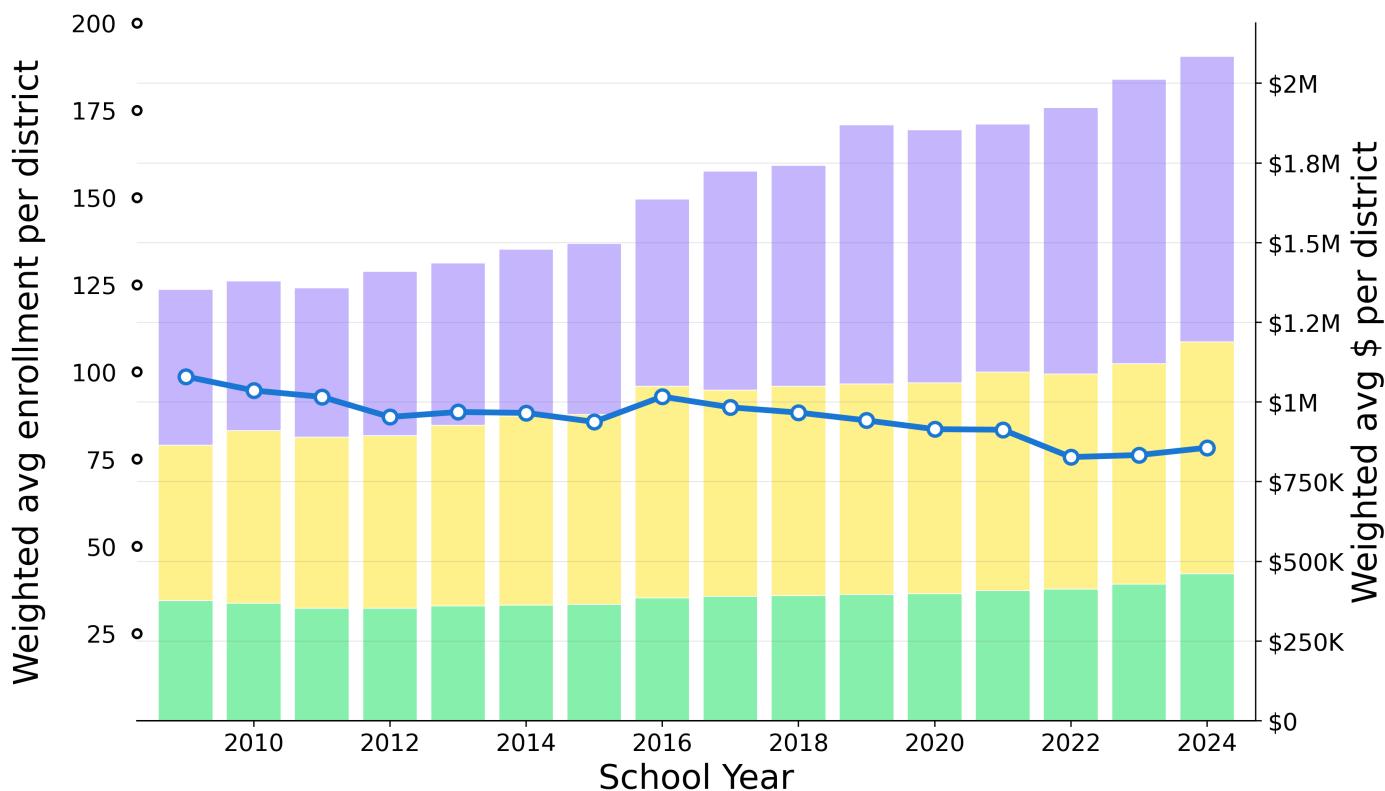


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$546	+3.9%	+5.6%	+8.4%	\$970
Administration	\$755	+1.9%	+1.9%	+6.5%	\$1,005
Instructional Leadership	\$1,094	+4.3%	+4.1%	+5.3%	\$2,044
Operations and Maintenance	\$1,355	+3.3%	+4.0%	+3.7%	\$2,200
Other Teaching Services	\$1,859	+4.6%	+4.9%	+5.5%	\$3,637
Pupil Services	\$1,611	+4.9%	+5.5%	+8.2%	\$3,324
Insurance, Retirement and Other	\$2,223	+4.3%	+3.5%	+4.3%	\$4,196
Teachers	\$4,939	+3.2%	+3.2%	+4.2%	\$7,892
Total	\$14,382	+3.8%	+3.9%	+5.2%	\$25,269

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	114	-0.8%	-0.6%	-1.5%	101
Foundation Enrollment	99	-1.5%	-1.2%	-1.9%	78
Out-of-District FTE Pupils	22	-0.6%	+0.3%	-2.4%	21

All Western MA Traditional Districts: Tiny (0-200 FTE)

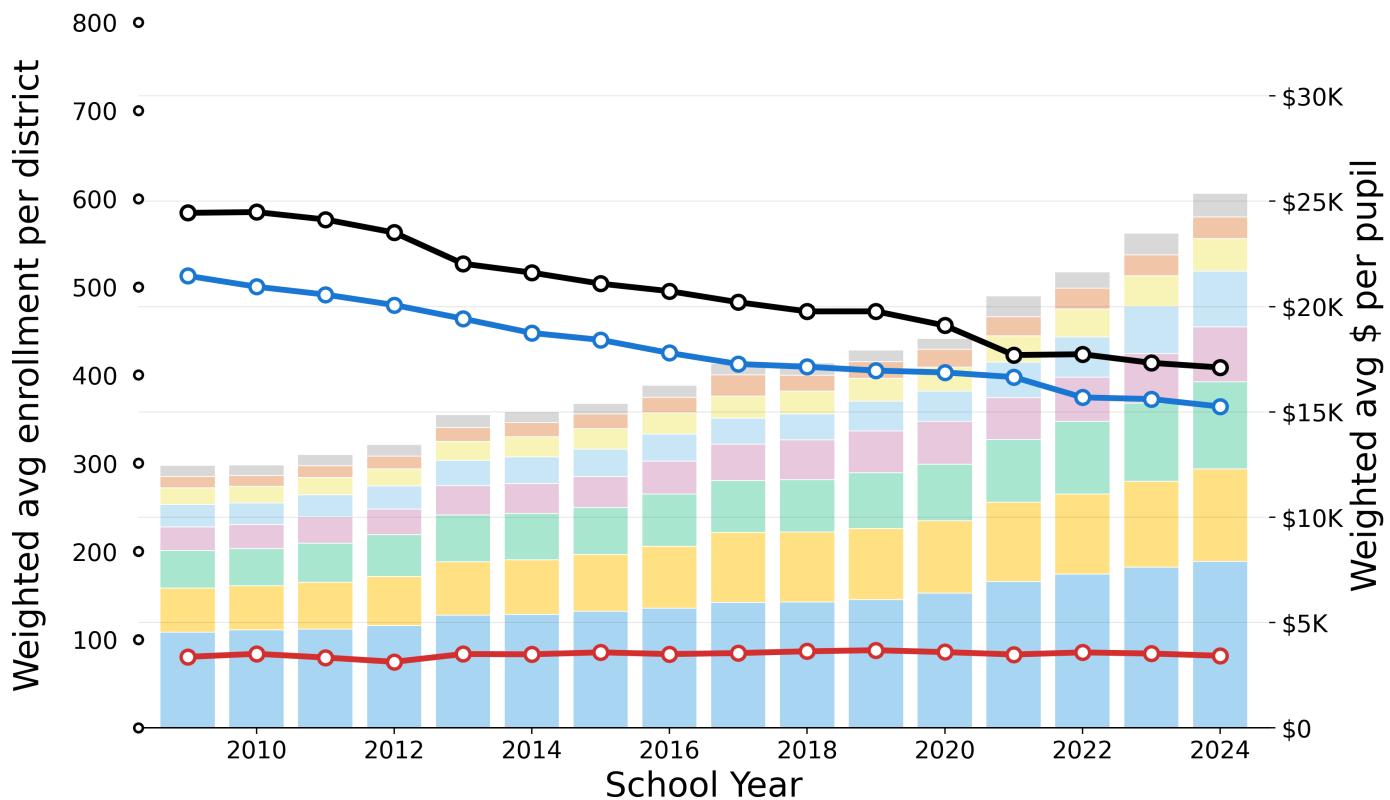
Chapter 70 Aid and Net School Spending (NSS). Weighted avg funding per district: State aid (Ch70), Required local contribution, and Actual spending above requirement



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$491,186	-2.27%	-4.09%	-16.50%	\$347,956
Req NSS (minus Ch70)	\$547,584	2.65%	1.78%	2.14%	\$810,963
Ch70 Aid	\$409,695	1.46%	2.37%	2.99%	\$509,086
Total (Actual NSS)	\$1,448,465	0.95%	0.35%	-3.81%	\$1,668,006
Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	103	-1.3%	-1.3%	-1.5%	85

All Western MA Traditional Districts: Small (201-800 FTE)

PPE vs Enrollment — Weighted average per district

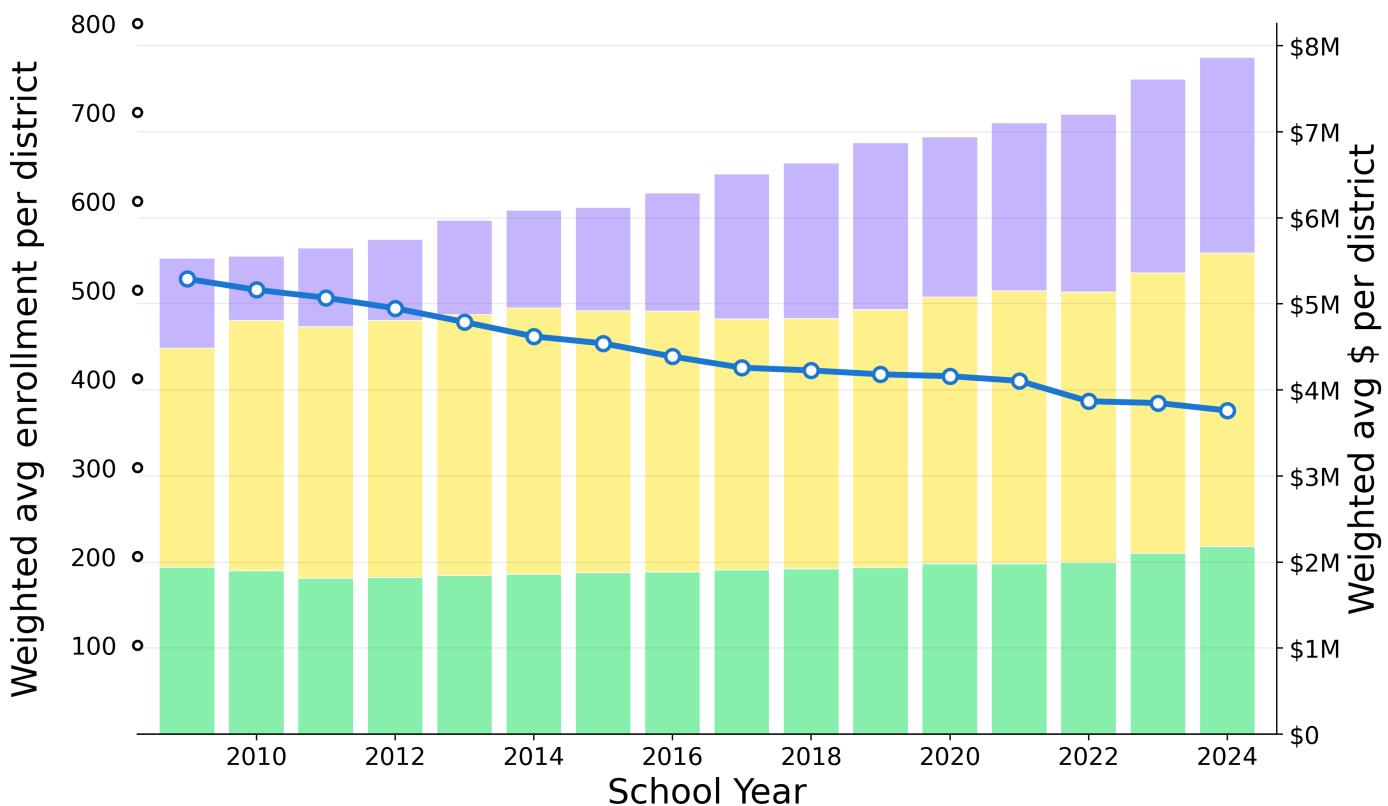


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$549	+4.9%	+7.9%	+15.1%	\$1,118
Administration	\$518	+4.7%	+4.4%	+5.6%	\$1,029
Instructional Leadership	\$790	+4.6%	+4.9%	+7.3%	\$1,543
Operations and Maintenance	\$1,081	+6.1%	+7.5%	+13.2%	\$2,642
Other Teaching Services	\$1,118	+5.8%	+6.4%	+5.7%	\$2,613
Pupil Services	\$1,770	+5.8%	+6.5%	+9.4%	\$4,135
Insurance, Retirement and Other	\$2,098	+5.1%	+5.4%	+5.4%	\$4,396
Teachers	\$4,544	+3.8%	+3.9%	+5.4%	\$7,899
Total	\$12,466	+4.9%	+5.4%	+7.2%	\$25,373

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	584	-2.4%	-2.3%	-2.9%	409
Foundation Enrollment	512	-2.2%	-2.0%	-2.1%	364
Out-of-District FTE Pupils	80	+0.1%	-0.2%	-1.5%	82

All Western MA Traditional Districts: Small (201-800 FTE)

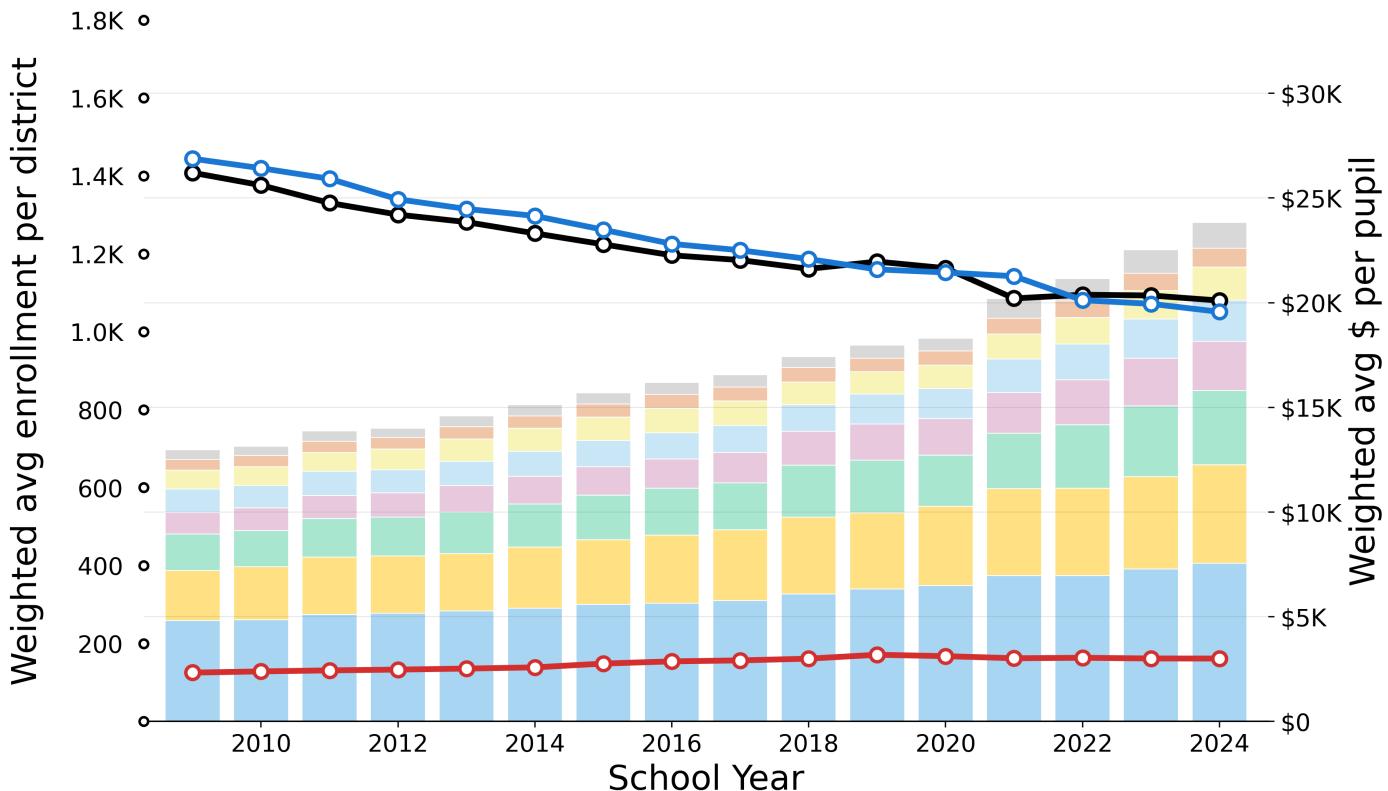
Chapter 70 Aid and Net School Spending (NSS). Weighted avg funding per district: State aid (Ch70), Required local contribution, and Actual spending above requirement



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$1,086,635	-2.65%	-4.70%	-18.59%	\$726,518
Req NSS (minus Ch70)	\$2,614,684	2.21%	1.33%	2.77%	\$3,627,228
Ch70 Aid	\$2,077,367	0.69%	1.40%	2.04%	\$2,302,838
Total (Actual NSS)	\$5,778,685	0.95%	0.46%	-1.77%	\$6,656,584
Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	540	-2.1%	-1.9%	-2.0%	391

All Western MA Traditional Districts: Medium (801-1800 FTE)

PPE vs Enrollment — Weighted average per district

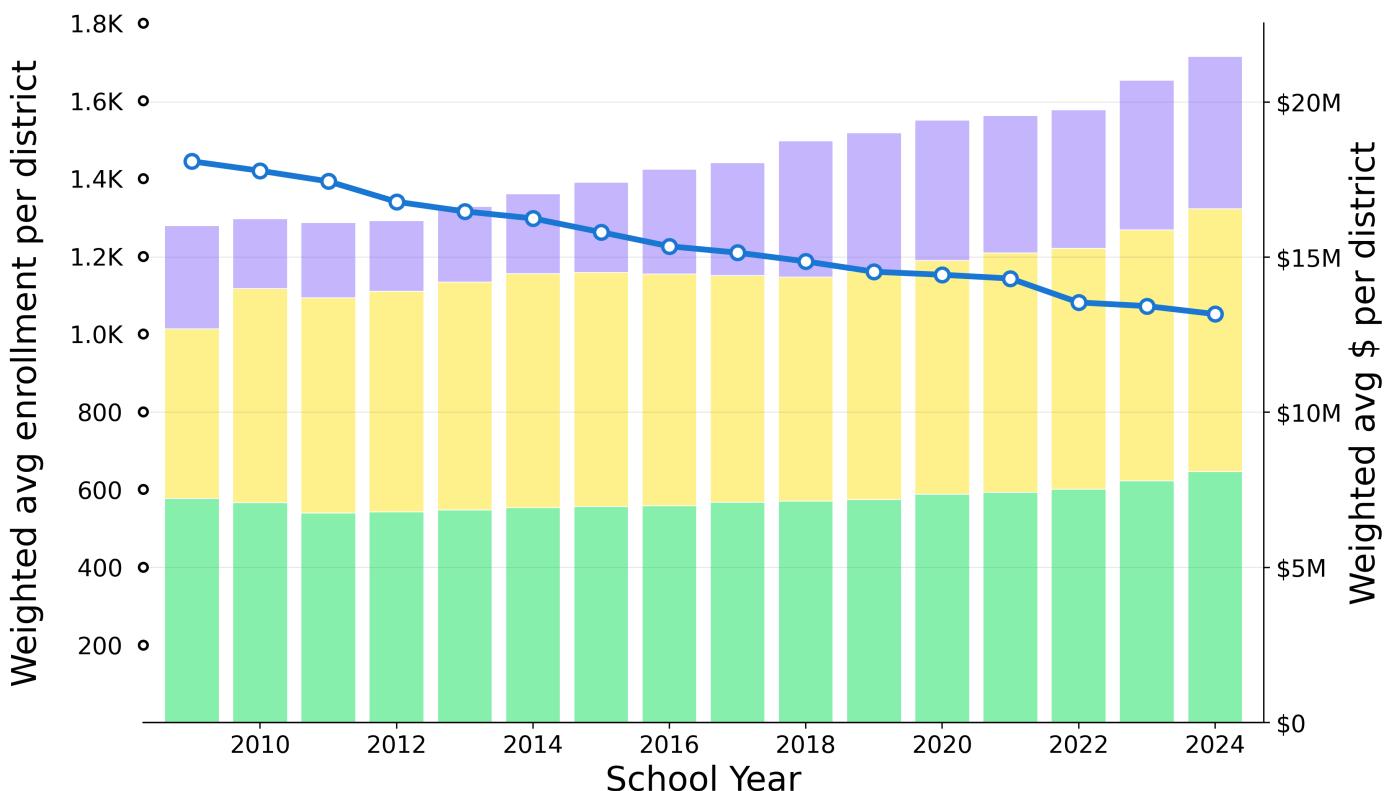


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$466	+6.7%	+8.4%	+14.3%	\$1,230
Administration	\$504	+4.0%	+4.5%	+7.0%	\$904
Instructional Leadership	\$898	+3.8%	+3.7%	+8.3%	\$1,572
Operations and Maintenance	\$1,121	+3.8%	+4.9%	+6.4%	\$1,959
Other Teaching Services	\$1,025	+5.7%	+6.0%	+6.6%	\$2,365
Pupil Services	\$1,762	+4.8%	+5.6%	+7.0%	\$3,545
Insurance, Retirement and Other	\$2,381	+4.6%	+4.8%	+5.2%	\$4,688
Teachers	\$4,814	+3.1%	+3.4%	+3.7%	\$7,562
Total	\$12,971	+4.1%	+4.6%	+5.8%	\$23,826

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	1,408	-1.8%	-1.5%	-1.8%	1,080
Foundation Enrollment	1,444	-2.1%	-2.1%	-2.0%	1,051
Out-of-District FTE Pupils	125	+1.7%	+1.5%	-1.2%	161

All Western MA Traditional Districts: Medium (801-1800 FTE)

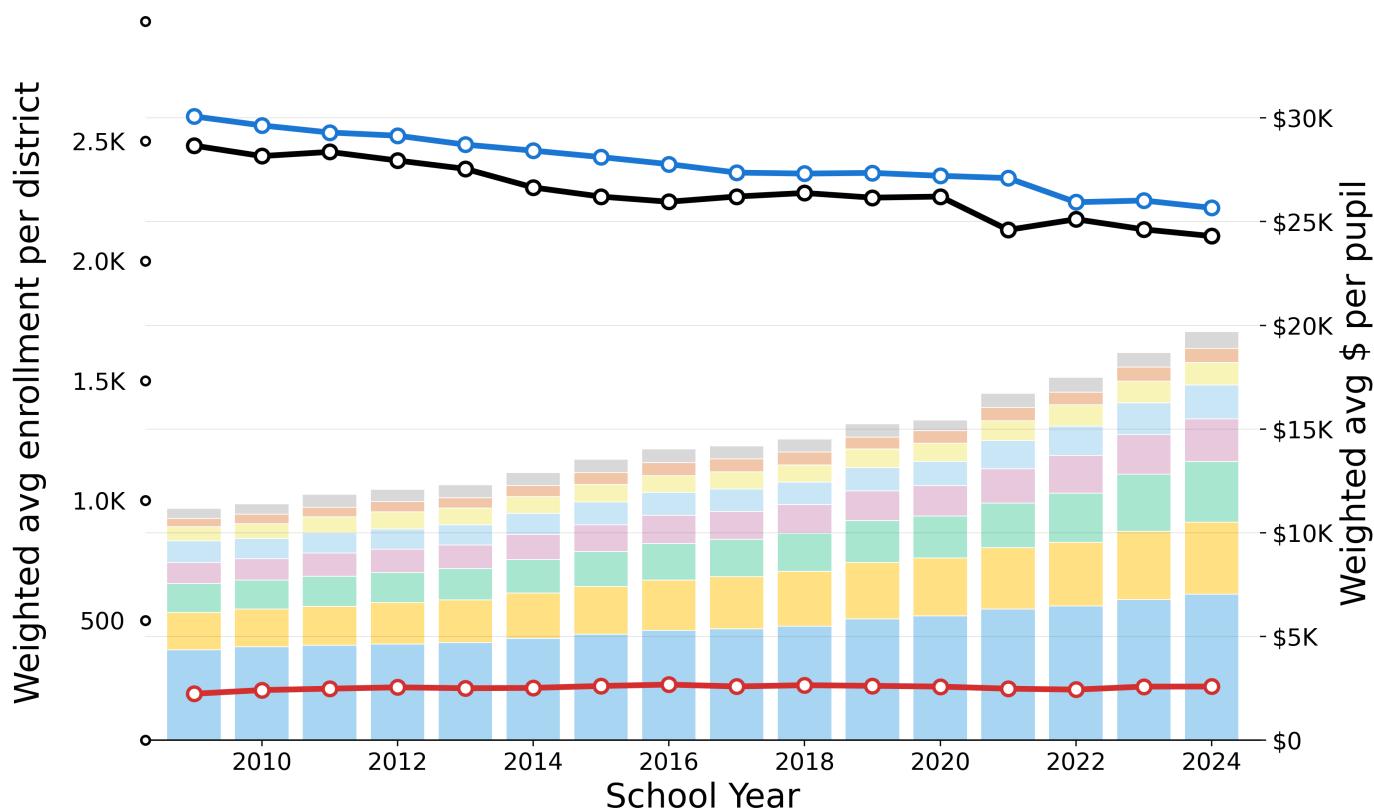
Chapter 70 Aid and Net School Spending (NSS). Weighted avg funding per district: State aid (Ch70), Required local contribution, and Actual spending above requirement



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$3,324,613	2.63%	6.68%	1.87%	\$4,909,300
Req NSS (minus Ch70)	\$5,464,076	2.97%	1.18%	2.91%	\$8,479,882
Ch70 Aid	\$7,227,599	0.75%	1.55%	2.38%	\$8,081,347
Total (Actual NSS)	\$16,016,288	1.97%	2.34%	2.47%	\$21,470,528
Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	1,444	-2.1%	-2.1%	-2.0%	1,051

All Western MA Traditional Districts: Large (1801-3000 FTE)

PPE vs Enrollment — Weighted average per district

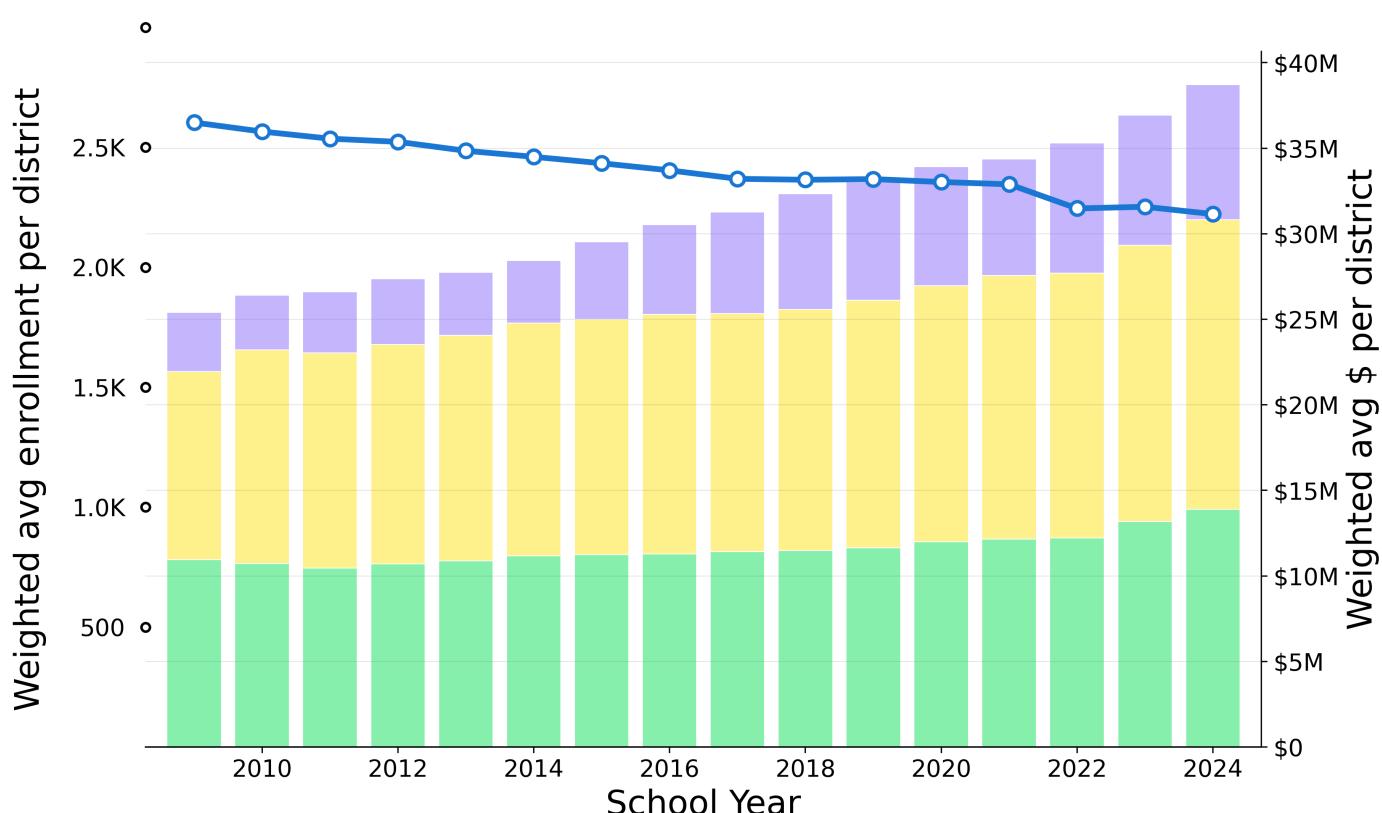


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$456	+3.5%	+2.5%	+4.4%	\$761
Administration	\$402	+3.3%	+2.3%	+3.3%	\$651
Instructional Leadership	\$662	+3.2%	+2.9%	+3.3%	\$1,069
Operations and Maintenance	\$1,020	+3.2%	+4.8%	+7.2%	\$1,626
Other Teaching Services	\$985	+5.0%	+5.5%	+7.5%	\$2,039
Pupil Services	\$1,457	+4.8%	+5.9%	+7.4%	\$2,954
Insurance, Retirement and Other	\$1,777	+4.5%	+4.8%	+5.1%	\$3,457
Teachers	\$4,313	+3.2%	+3.6%	+3.6%	\$6,957
Total	\$11,071	+3.9%	+4.3%	+5.0%	\$19,514

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	2,610	-1.2%	-1.0%	-1.4%	2,188
Foundation Enrollment	2,753	-1.2%	-1.1%	-1.3%	2,303
Out-of-District FTE Pupils	183	+0.9%	+0.4%	-0.1%	209

All Western MA Traditional Districts: Large (1801-3000 FTE)

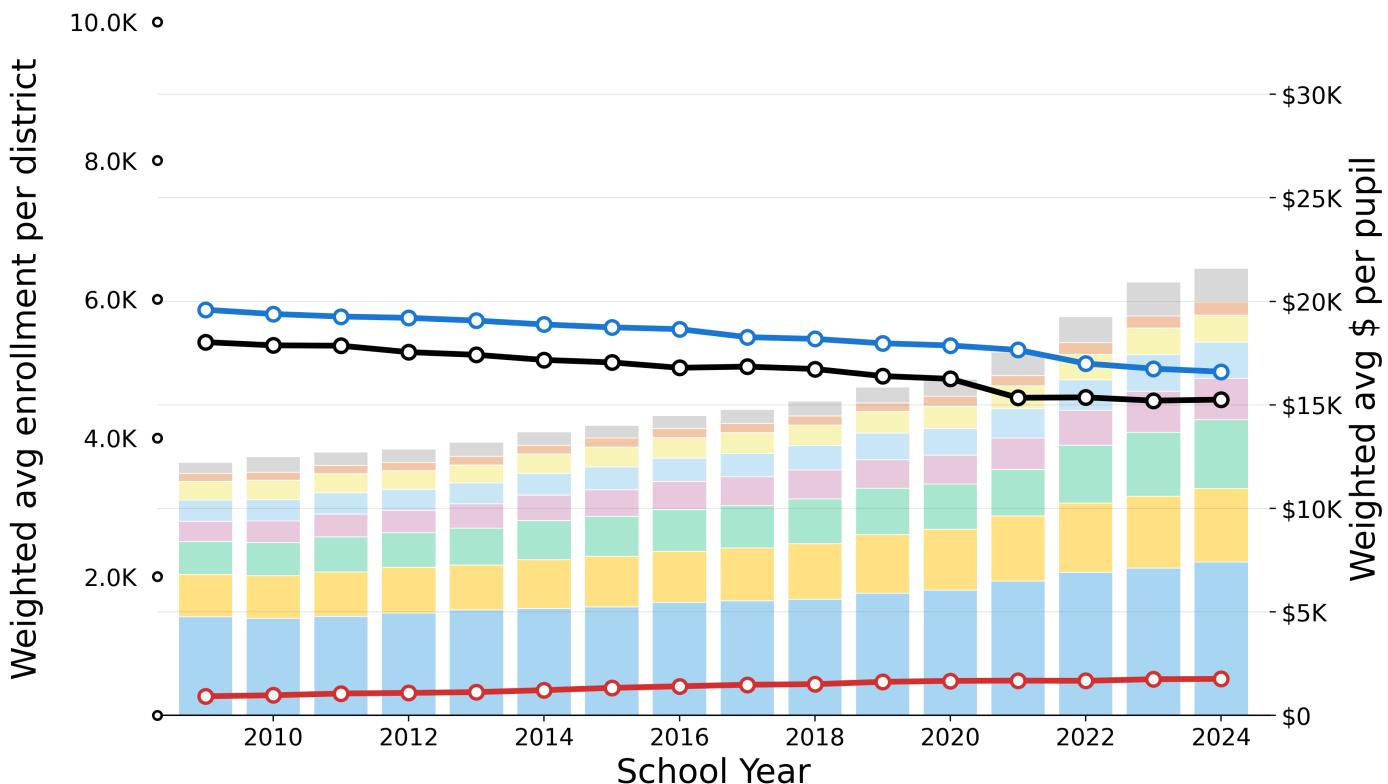
Chapter 70 Aid and Net School Spending (NSS). Weighted avg funding per district: State aid (Ch70), Required local contribution, and Actual spending above requirement



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$3,497,989	5.80%	8.05%	2.50%	\$8,151,441
Req NSS (minus Ch70)	\$11,914,591	2.76%	2.09%	3.18%	\$17,933,786
Ch70 Aid	\$11,062,453	1.42%	2.01%	3.20%	\$13,665,360
Total (Actual NSS)	\$26,475,032	2.75%	3.01%	3.04%	\$39,750,587
<hr/>					
Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	2,753	-1.2%	-1.1%	-1.3%	2,303

All Western MA Traditional Districts: X-Large (3001-10,000 FTE)

PPE vs Enrollment — Weighted average per district

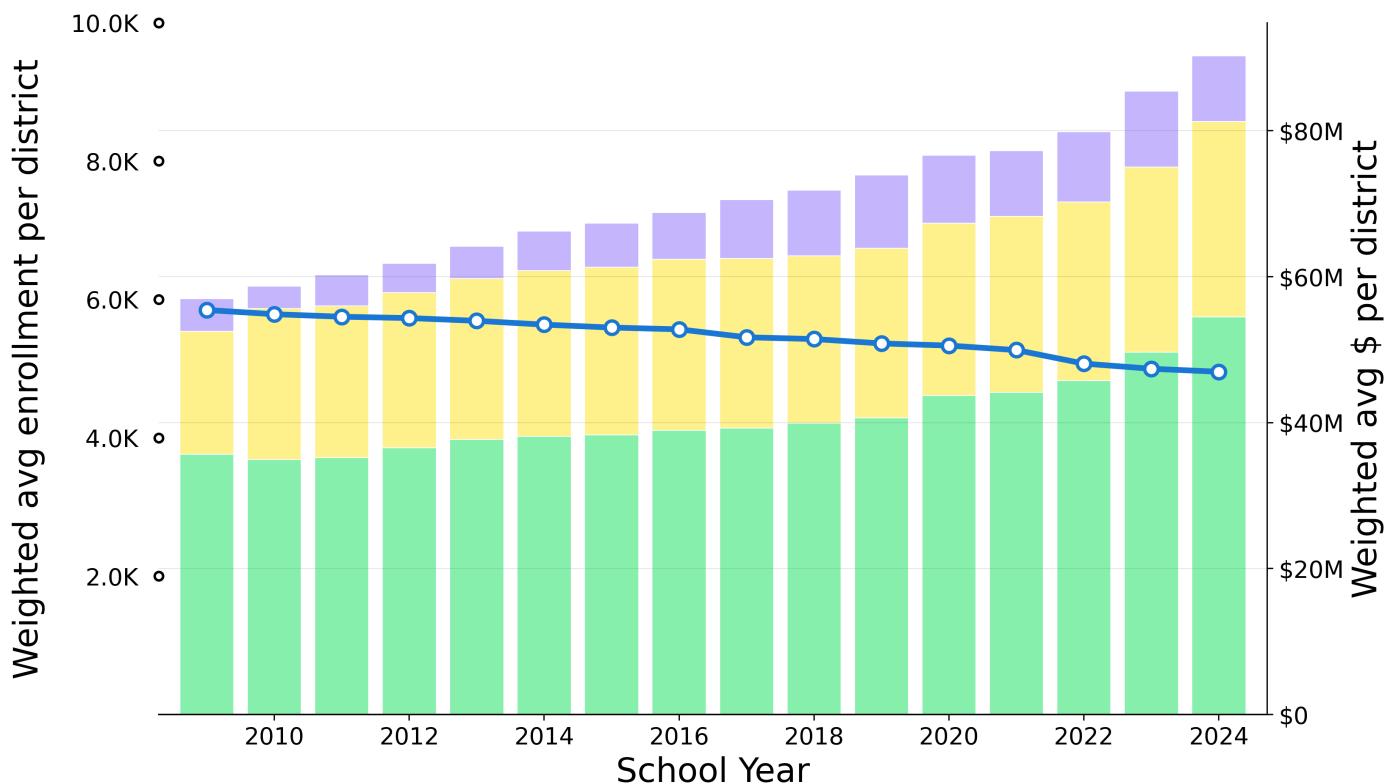


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$558	+7.8%	+10.2%	+16.6%	\$1,728
Administration	\$392	+3.6%	+4.4%	+10.2%	\$664
Instructional Leadership	\$918	+2.6%	+3.6%	+4.9%	\$1,345
Operations and Maintenance	\$1,045	+3.5%	+5.3%	+6.5%	\$1,741
Other Teaching Services	\$994	+4.9%	+4.9%	+8.0%	\$2,033
Pupil Services	\$1,582	+5.1%	+5.9%	+8.4%	\$3,328
Insurance, Retirement and Other	\$2,087	+3.6%	+4.1%	+4.5%	\$3,565
Teachers	\$4,827	+3.0%	+3.7%	+4.9%	\$7,499
Total	\$12,402	+3.9%	+4.7%	+6.6%	\$21,904

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	5,672	-1.1%	-1.1%	-1.4%	4,835
Foundation Enrollment	6,287	-1.0%	-1.2%	-1.6%	5,388
Out-of-District FTE Pupils	305	+4.6%	+3.8%	+1.6%	597

All Western MA Traditional Districts: X-Large (3001-10,000 FTE)

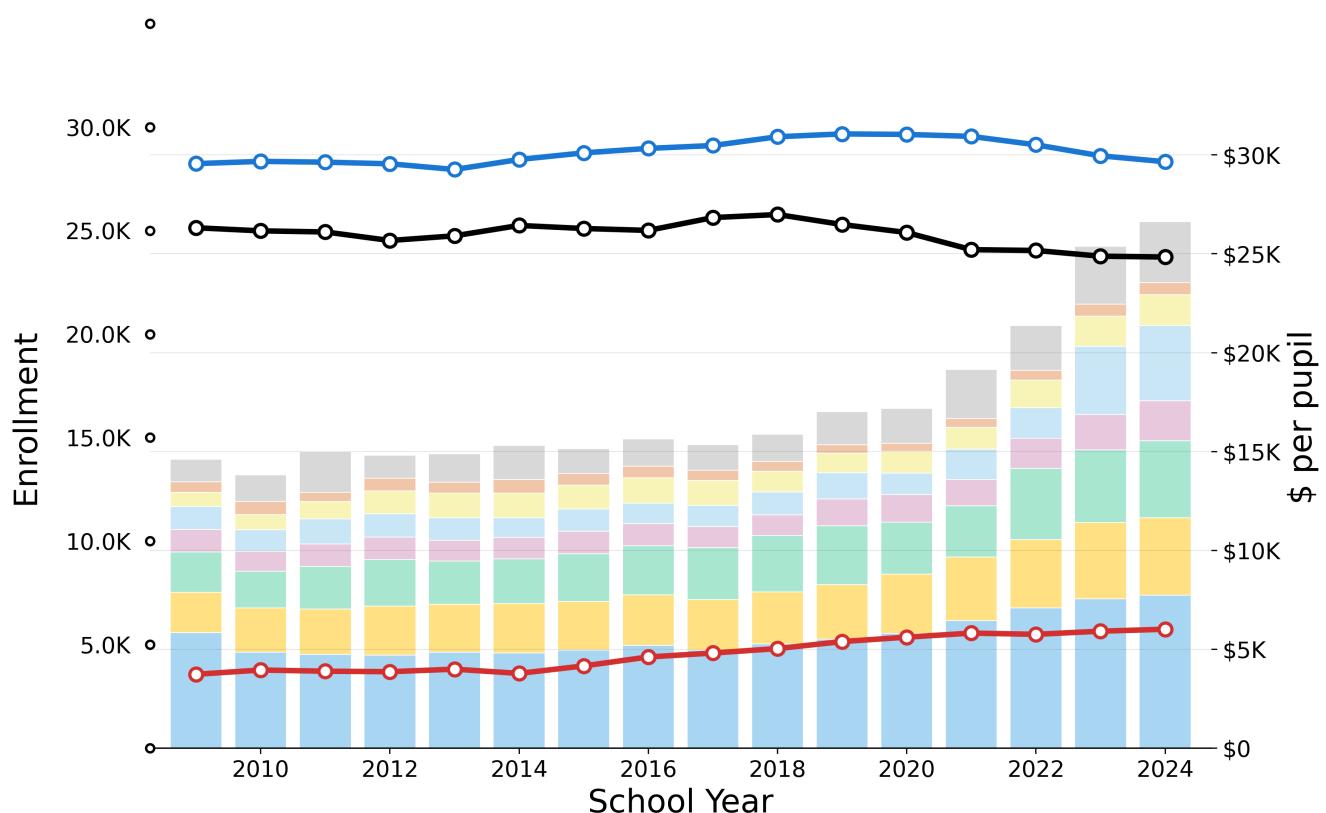
Chapter 70 Aid and Net School Spending (NSS). Weighted avg funding per district: State aid (Ch70), Required local contribution, and Actual spending above requirement



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$4,613,451	4.50%	4.73%	-2.75%	\$8,922,598
Req NSS (minus Ch70)	\$16,738,530	3.31%	1.66%	2.81%	\$27,286,454
Ch70 Aid	\$40,429,256	2.99%	3.76%	6.27%	\$62,931,137
Total (Actual NSS)	\$61,781,236	3.20%	3.21%	4.27%	\$99,140,188
Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	6,287	-1.0%	-1.2%	-1.6%	5,388

All Western MA Traditional Districts: Outliers (Springfield at 29,468 FTE in 2024)

PPE vs Enrollment — Weighted average per district

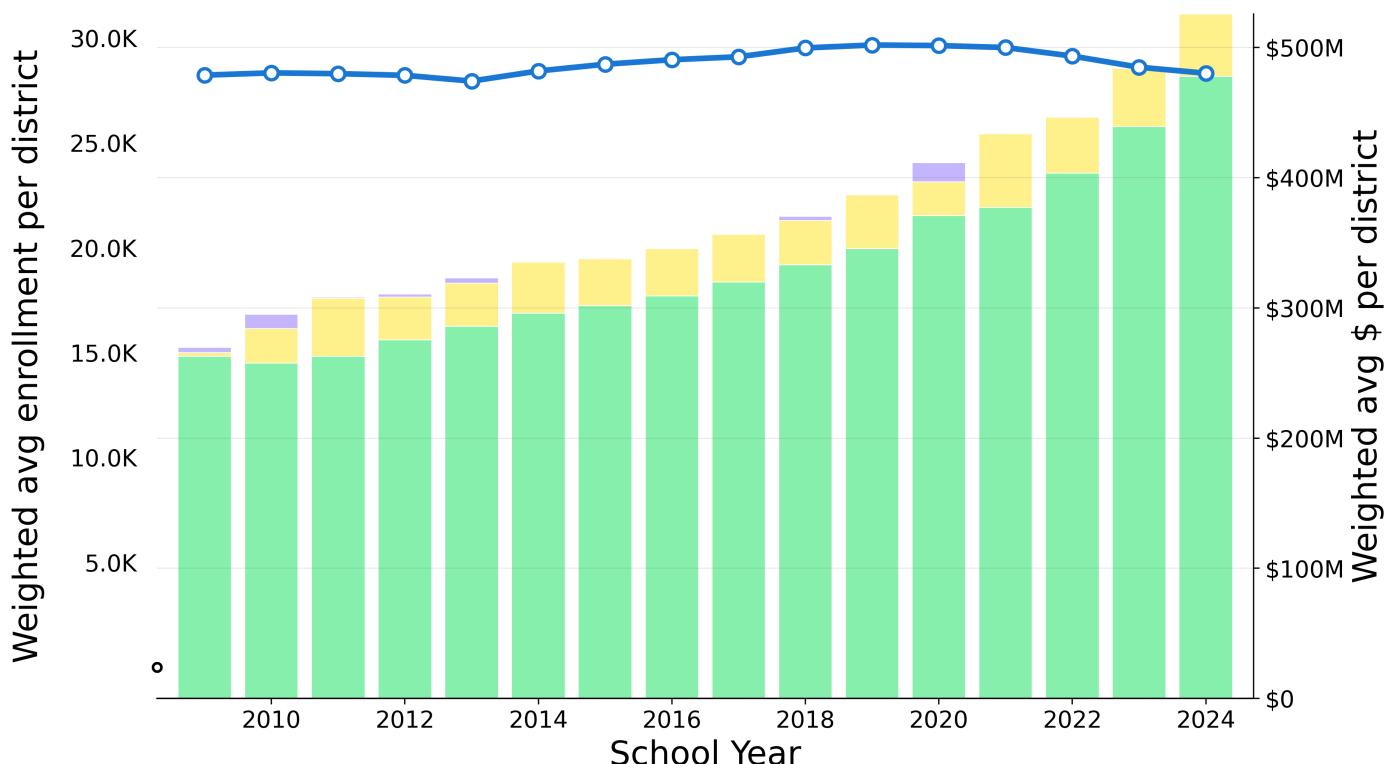


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$1,143	+6.8%	+5.9%	+12.9%	\$3,071
Administration	\$533	+0.9%	-1.1%	+7.9%	\$609
Instructional Leadership	\$719	+5.3%	+2.4%	+9.8%	\$1,571
Operations and Maintenance	\$1,150	+8.3%	+14.3%	+23.3%	\$3,806
Other Teaching Services	\$1,143	+3.8%	+6.4%	+8.2%	\$2,014
Pupil Services	\$2,031	+4.4%	+5.6%	+5.6%	\$3,901
Insurance, Retirement and Other	\$2,050	+4.4%	+4.6%	+7.2%	\$3,906
Teachers	\$5,839	+1.9%	+4.8%	+7.0%	\$7,737
Total	\$14,608	+4.1%	+5.7%	+9.4%	\$26,615

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	25,137	-0.4%	-0.6%	-1.3%	23,723
Foundation Enrollment	28,235	+0.0%	-0.0%	-0.9%	28,326
Out-of-District FTE Pupils	3,571	+3.2%	+4.7%	+2.2%	5,745

All Western MA Traditional Districts: Outliers (Springfield at 29,468 FTE in 2024)

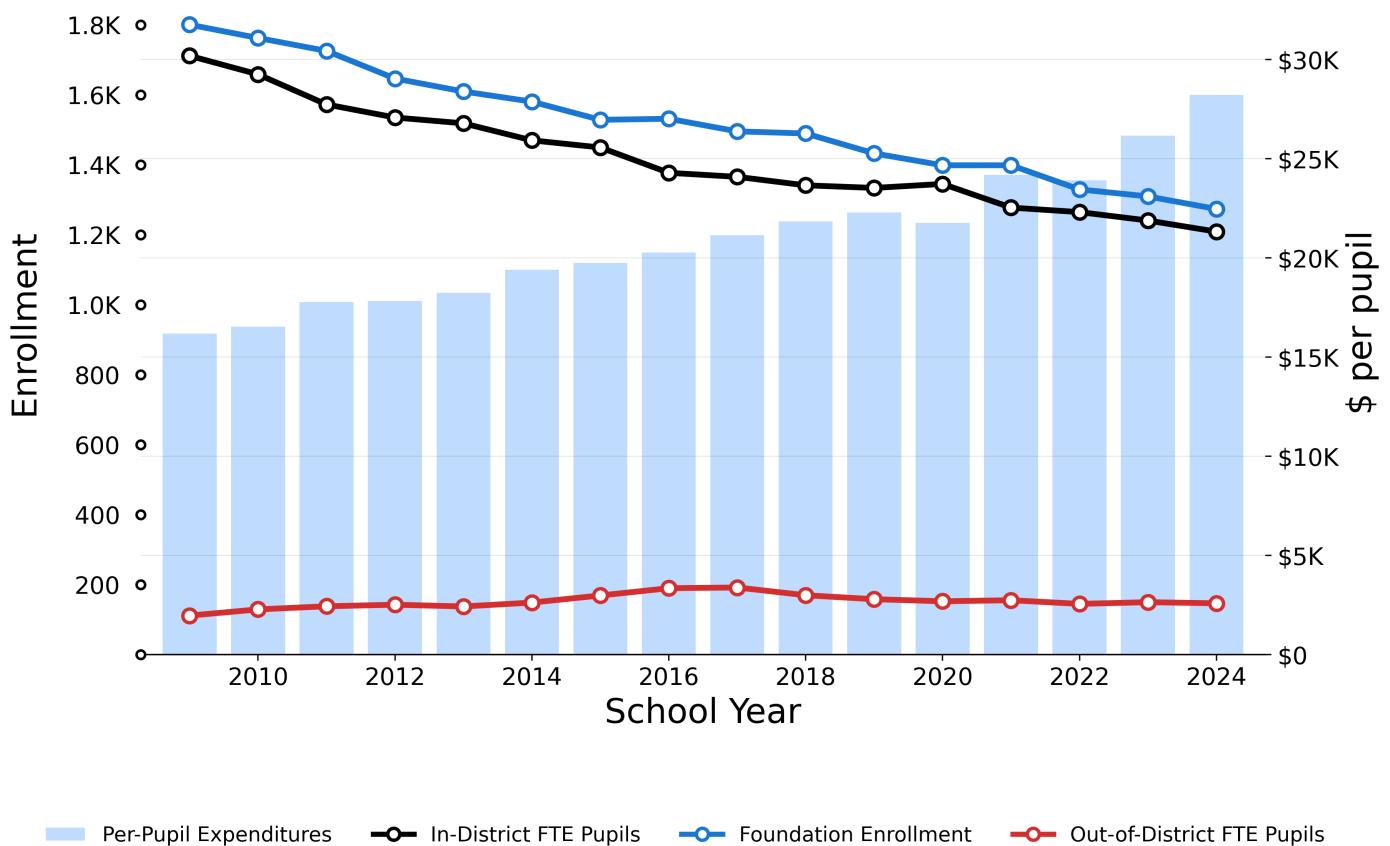
Chapter 70 Aid and Net School Spending (NSS). Weighted avg funding per district: State aid (Ch70), Required local contribution, and Actual spending above requirement



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$-4,240,600	-59.67%	-49.84%	22.43%	\$-5
Req NSS (minus Ch70)	\$6,986,338	13.71%	2.05%	3.02%	\$48,026,087
Ch70 Aid	\$262,734,913	4.07%	4.91%	6.70%	\$477,737,768
Total (Actual NSS)	\$265,480,651	4.66%	4.61%	6.33%	\$525,763,850
Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	28,235	+0.0%	-0.0%	-0.9%	28,326

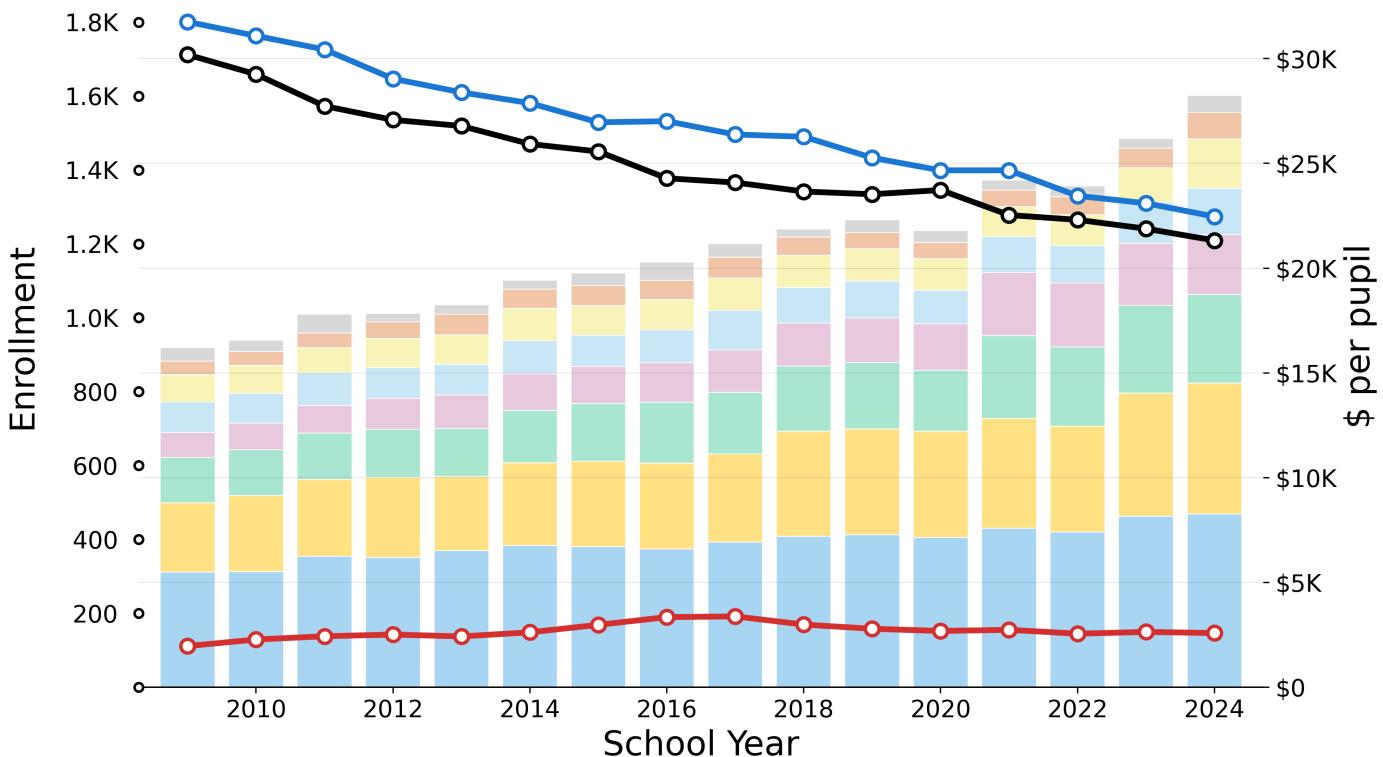
Amherst-Pelham Regional

PPE vs Enrollment



Amherst-Pelham Regional

PPE vs Enrollment. Per-pupil expenditures stacked by expense category, expense category table shaded by comparison to weighted average of Western MA Medium (801-1800 FTE)



Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$646	+1.4%	+6.5%	+5.5%	\$799
Administration	\$652	+4.6%	+3.5%	+11.0%	\$1,277
Instructional Leadership	\$1,289	+4.0%	+4.2%	+8.6%	\$2,336
Operations and Maintenance	\$1,459	+2.8%	+3.4%	+4.6%	\$2,221
Other Teaching Services	\$1,199	+5.9%	+5.1%	+6.1%	\$2,851
Pupil Services	\$2,170	+4.6%	+5.4%	+6.0%	\$4,231
Insurance, Retirement and Other	\$3,305	+4.3%	+4.7%	+4.4%	\$6,248
Teachers	\$5,491	+2.8%	+2.0%	+2.6%	\$8,270
Total	\$16,211	+3.8%	+3.8%	+4.8%	\$28,233

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	1,712	-2.3%	-1.9%	-1.9%	1,209
Foundation Enrollment	1,801	-2.3%	-2.1%	-2.3%	1,274
Out-of-District FTE Pupils	112	+1.8%	-0.1%	-1.5%	147

Shading vs Western cohort: $|\Delta\$/\text{pupil}| \geq 2.0\%$, $|\Delta\text{Enrollment}| \geq 2.0\%$, $|\Delta\text{CAGR}| \geq 2.0\text{pp}$

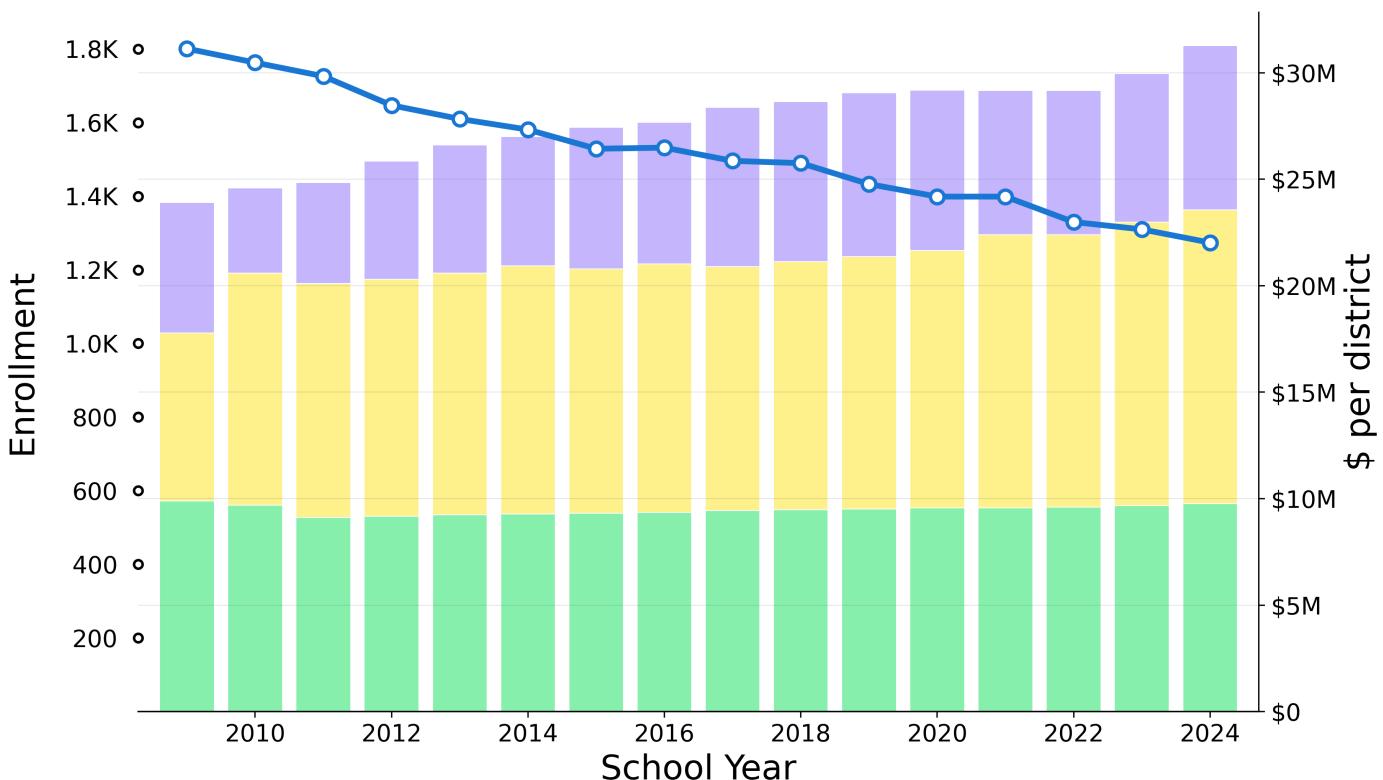
Above Western (Medium (801-1800 FTE))

CAGR = $(\text{End}/\text{Start})^{(1/\text{years})} - 1$

Below Western (Medium (801-1800 FTE))

Amherst-Pelham Regional

Chapter 70 Aid, Net School Spending (NSS), and Foundation Enrollment. Funding component table shaded by comparison to weighted average of Western MA Medium (801-1800 FTE)



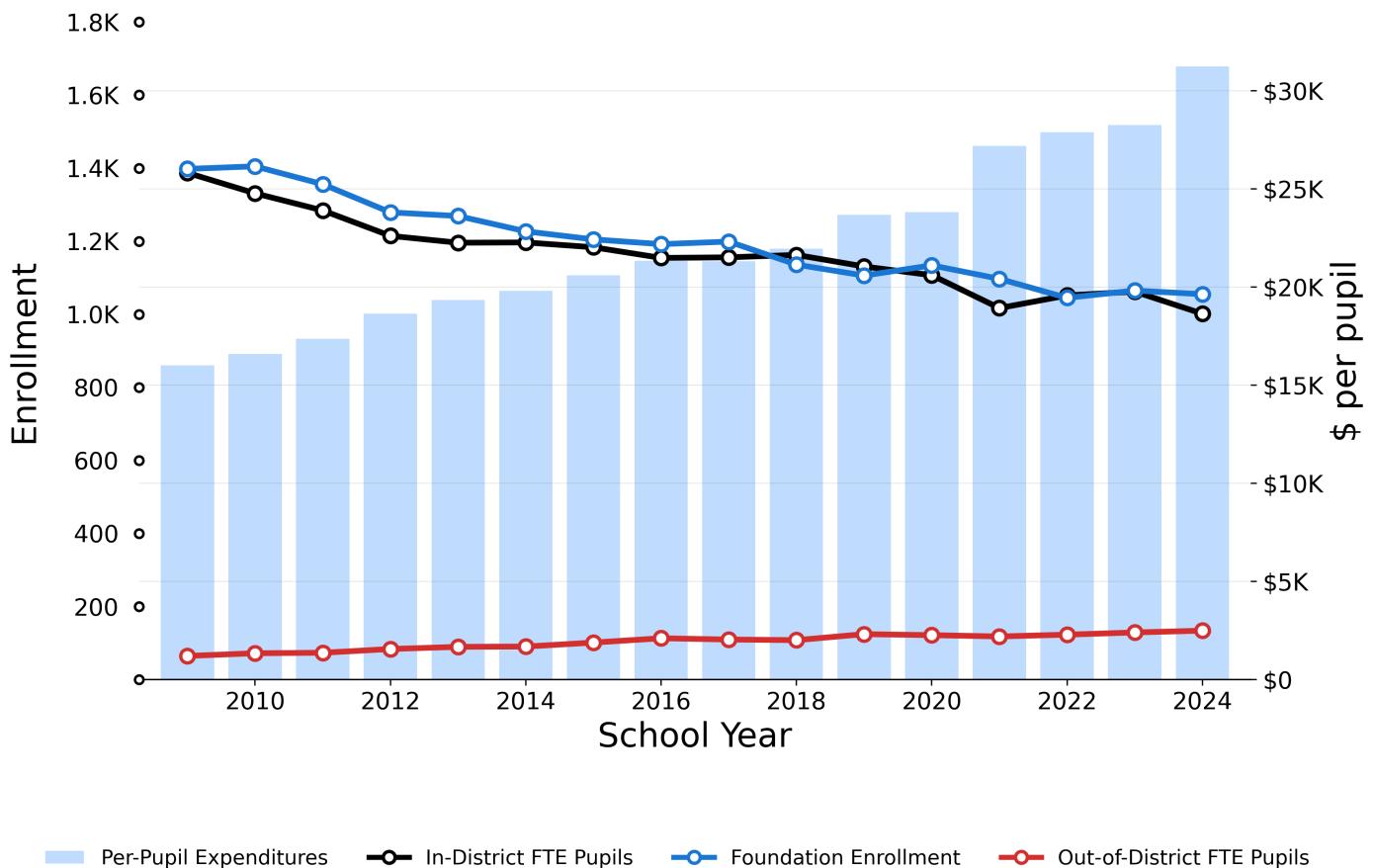
Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$6,135,991	1.54%	2.44%	0.08%	\$7,719,079
Req NSS (minus Ch70)	\$7,893,198	3.80%	1.70%	3.09%	\$13,803,543
Ch70 Aid	\$9,883,632	-0.09%	0.51%	0.49%	\$9,756,397
Total (Actual NSS)	\$23,912,821	1.81%	1.48%	1.48%	\$31,279,019

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	1,801	-2.3%	-2.1%	-2.3%	1,274

Shading vs Western cohort: $ \Delta\$/\text{pupil} \geq 2.0\%$, $ \Delta\text{Enrollment} \geq 2.0\%$, $ \Delta\text{CAGR} \geq 2.0\text{pp}$	Above Western (Medium (801-1800 FTE))
CAGR = $(\text{End}/\text{Start})^{(1/\text{years})} - 1$	Below Western (Medium (801-1800 FTE))

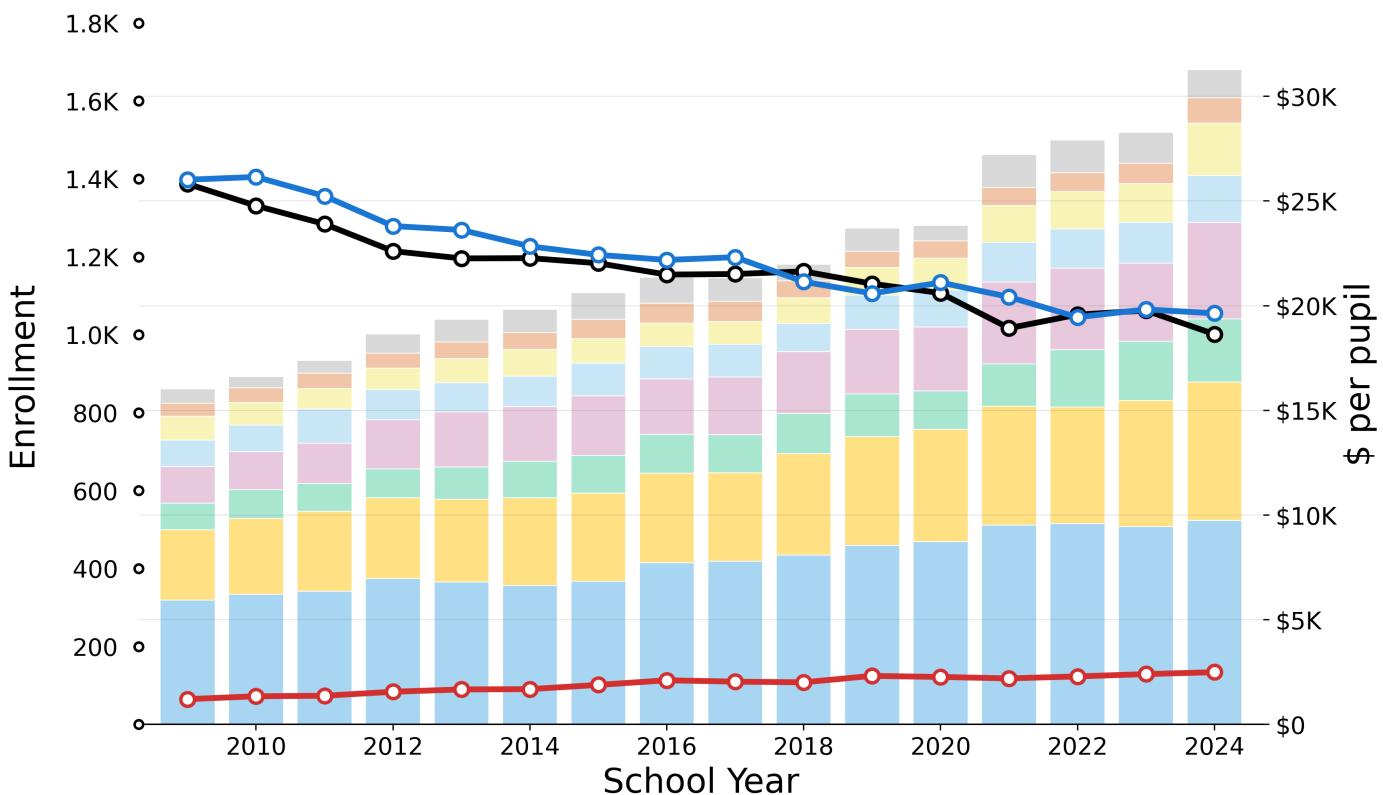
Amherst

PPE vs Enrollment



Amherst

PPE vs Enrollment. Per-pupil expenditures stacked by expense category, expense category table shaded by comparison to weighted average of Western MA Medium (801-1800 FTE)



Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$684	+4.5%	+1.9%	+4.0%	\$1,328
Administration	\$627	+4.5%	+4.1%	+9.6%	\$1,213
Instructional Leadership	\$1,134	+5.4%	+7.0%	+13.5%	\$2,498
Operations and Maintenance	\$1,264	+3.9%	+4.5%	+6.4%	\$2,248
Other Teaching Services	\$1,762	+6.6%	+5.9%	+8.4%	\$4,612
Pupil Services	\$1,261	+6.0%	+5.5%	+8.3%	\$3,018
Insurance, Retirement and Other	\$3,353	+4.6%	+4.7%	+4.9%	\$6,605
Teachers	\$5,944	+3.4%	+3.9%	+2.7%	\$9,745
Total	\$16,029	+4.6%	+4.7%	+5.7%	\$31,267

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	1,387	-2.1%	-1.8%	-2.4%	1,002
Foundation Enrollment	1,398	-1.9%	-1.5%	-0.9%	1,055
Out-of-District FTE Pupils	65	+5.0%	+4.0%	+1.5%	134

Shading vs Western cohort: $|\Delta\$/\text{pupil}| \geq 2.0\%$, $|\Delta\text{Enrollment}| \geq 2.0\%$, $|\Delta\text{CAGR}| \geq 2.0\text{pp}$

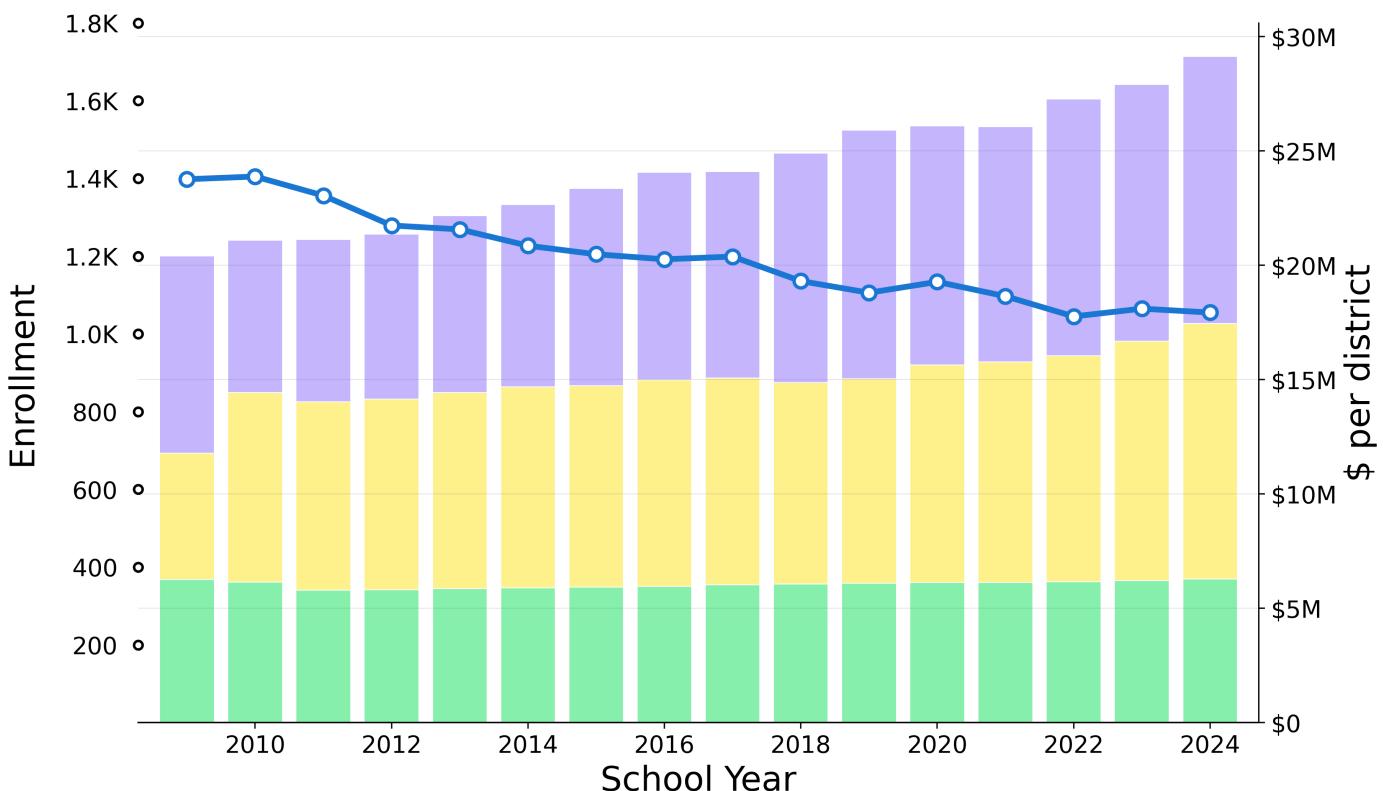
$\text{CAGR} = (\text{End}/\text{Start})^{(1/\text{years})} - 1$

Above Western (Medium (801-1800 FTE))

Below Western (Medium (801-1800 FTE))

Amherst

Chapter 70 Aid, Net School Spending (NSS), and Foundation Enrollment. Funding component table shaded by comparison to weighted average of Western MA Medium (801-1800 FTE)



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$8,624,390	2.05%	3.90%	1.45%	\$11,687,238
Req NSS (minus Ch70)	\$5,517,195	4.81%	2.43%	4.54%	\$11,168,148
Ch70 Aid	\$6,266,707	0.01%	0.64%	0.62%	\$6,280,773
Total (Actual NSS)	\$20,408,292	2.40%	2.55%	2.37%	\$29,136,159

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	1,398	-1.9%	-1.5%	-0.9%	1,055

Shading vs Western cohort: $|\Delta\$/pupil| \geq 2.0\%$, $|\Delta\text{Enrollment}| \geq 2.0\%$, $|\Delta\text{CAGR}| \geq 2.0\text{pp}$

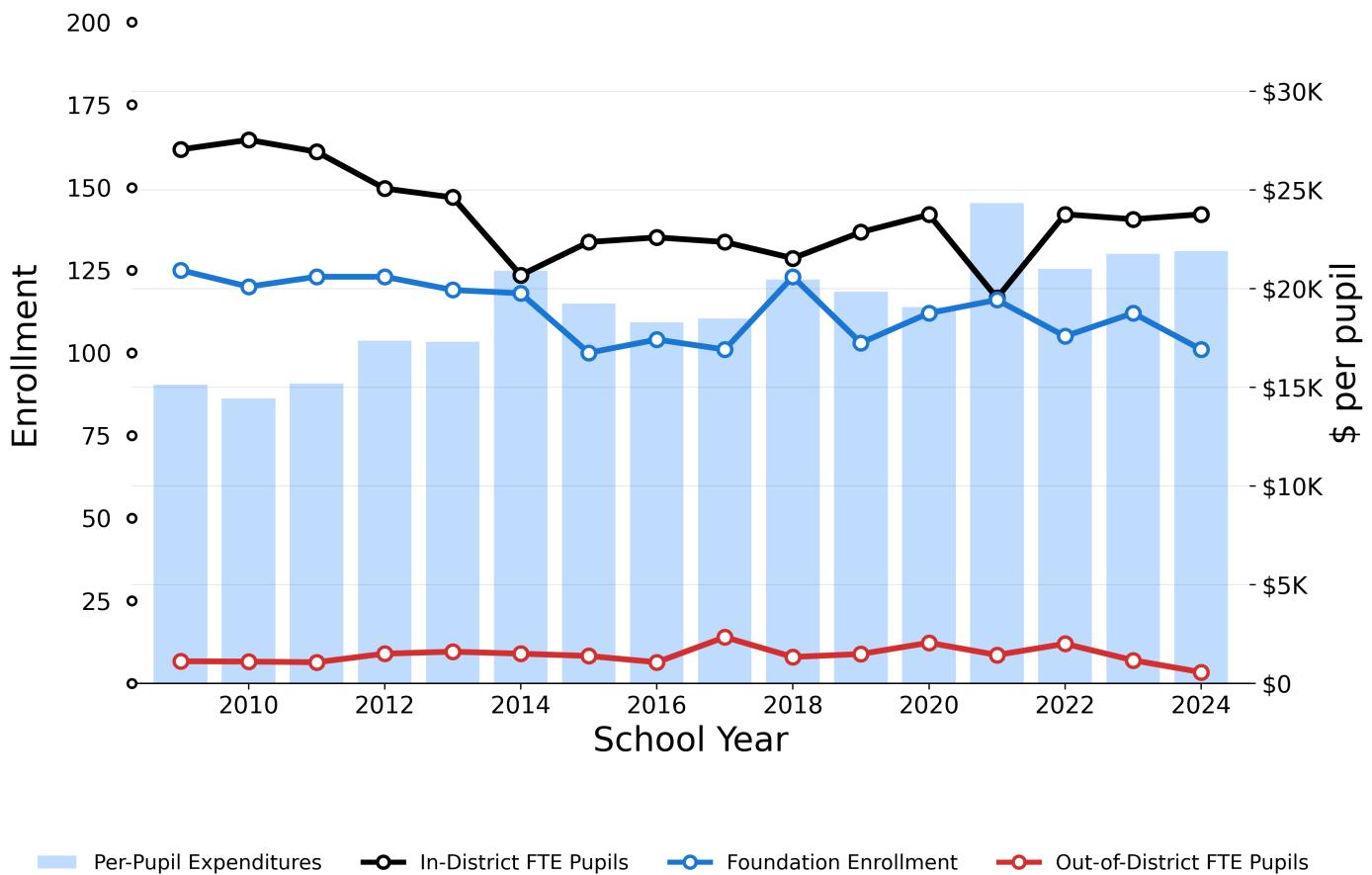
$$\text{CAGR} = (\text{End}/\text{Start})^{(1/\text{years})} - 1$$

Above Western (Medium (801-1800 FTE))

Below Western (Medium (801-1800 FTE))

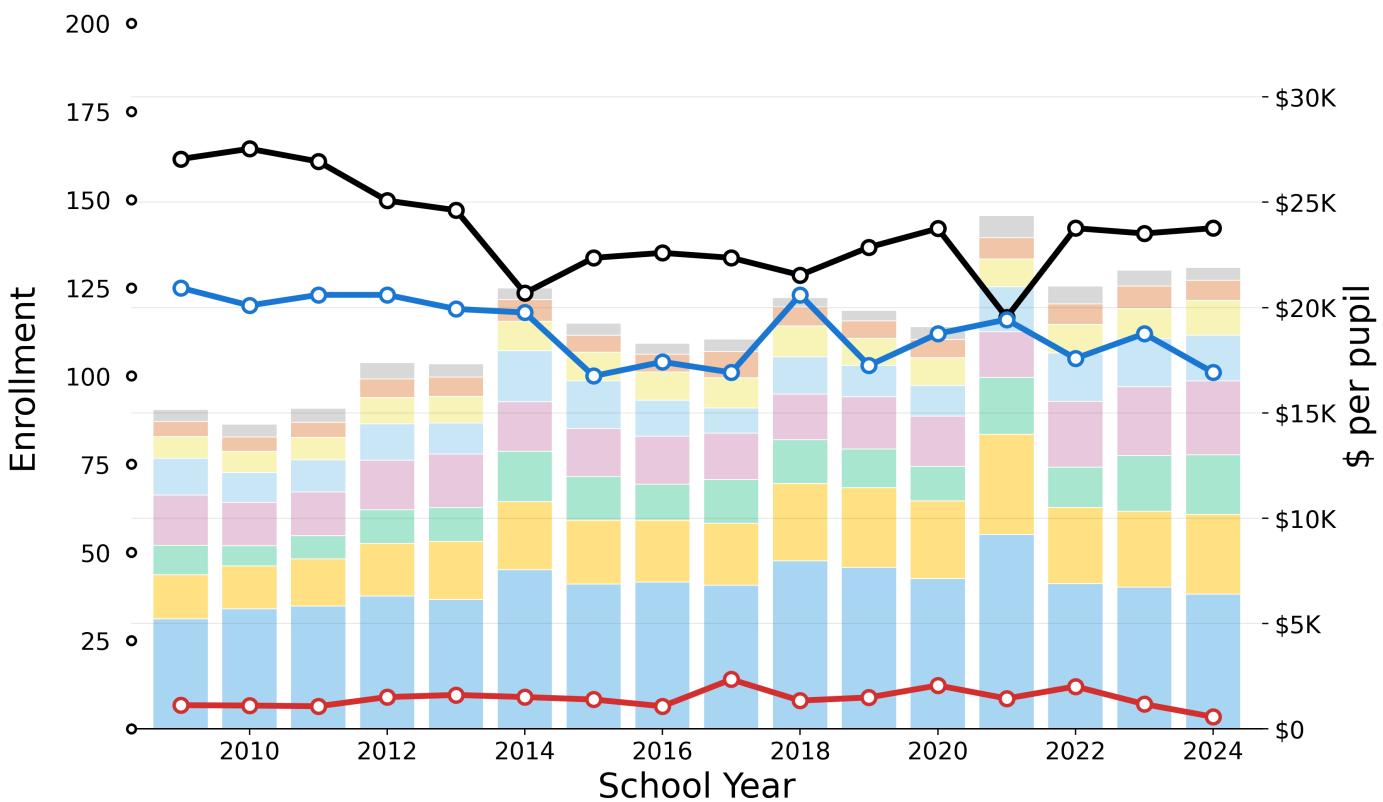
Leverett

PPE vs Enrollment



Leverett

PPE vs Enrollment. Per-pupil expenditures stacked by expense category, expense category table shaded by comparison to weighted average of Western MA Tiny (0-200 FTE)

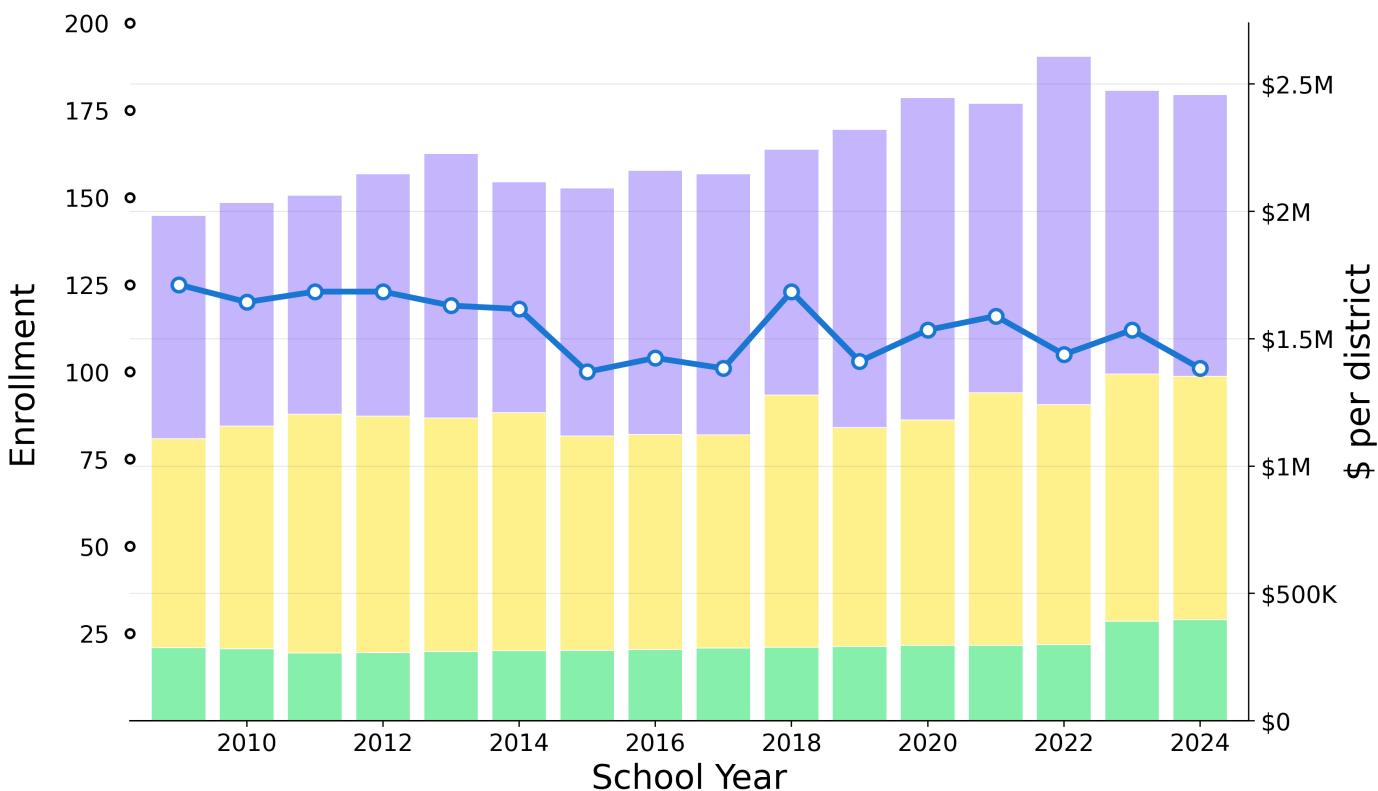


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$575	+0.4%	+0.9%	+3.9%	\$608
Administration	\$715	+1.9%	-0.8%	+2.9%	\$953
Instructional Leadership	\$1,015	+3.3%	+1.8%	+5.4%	\$1,663
Operations and Maintenance	\$1,755	+1.4%	-1.1%	+7.7%	\$2,158
Other Teaching Services	\$2,385	+2.6%	+4.1%	+7.3%	\$3,526
Pupil Services	\$1,395	+4.8%	+1.6%	+8.8%	\$2,814
Insurance, Retirement and Other	\$2,098	+4.0%	+1.6%	+0.1%	\$3,793
Teachers	\$5,218	+1.4%	-1.6%	-3.6%	\$6,395
Total	\$15,156	+2.5%	+0.5%	+2.0%	\$21,910

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	162	-0.9%	+1.4%	+0.8%	142
Foundation Enrollment	125	-1.4%	-1.5%	-0.4%	101
Out-of-District FTE Pupils	7	-4.4%	-9.3%	-17.5%	3
Shading vs Western cohort: $ \Delta \$/\text{pupil} \geq 2.0\%$, $ \Delta \text{Enrollment} \geq 2.0\%$, $ \Delta \text{CAGR} \geq 2.0\text{pp}$					Above Western (Tiny (0-200 FTE))
$\text{CAGR} = (\text{End}/\text{Start})^{(1/\text{years})} - 1$					Below Western (Tiny (0-200 FTE))

Leverett

Chapter 70 Aid, Net School Spending (NSS), and Foundation Enrollment. Funding component table shaded by comparison to weighted average of Western MA Tiny (0-200 FTE)



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$876,790	1.56%	2.03%	-1.13%	\$1,106,701
Req NSS (minus Ch70)	\$819,372	1.02%	0.21%	2.15%	\$954,740
Ch70 Aid	\$287,813	2.17%	3.75%	6.32%	\$396,968
Total (Actual NSS)	\$1,983,975	1.44%	1.52%	1.15%	\$2,458,409

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	125	-1.4%	-1.5%	-0.4%	101

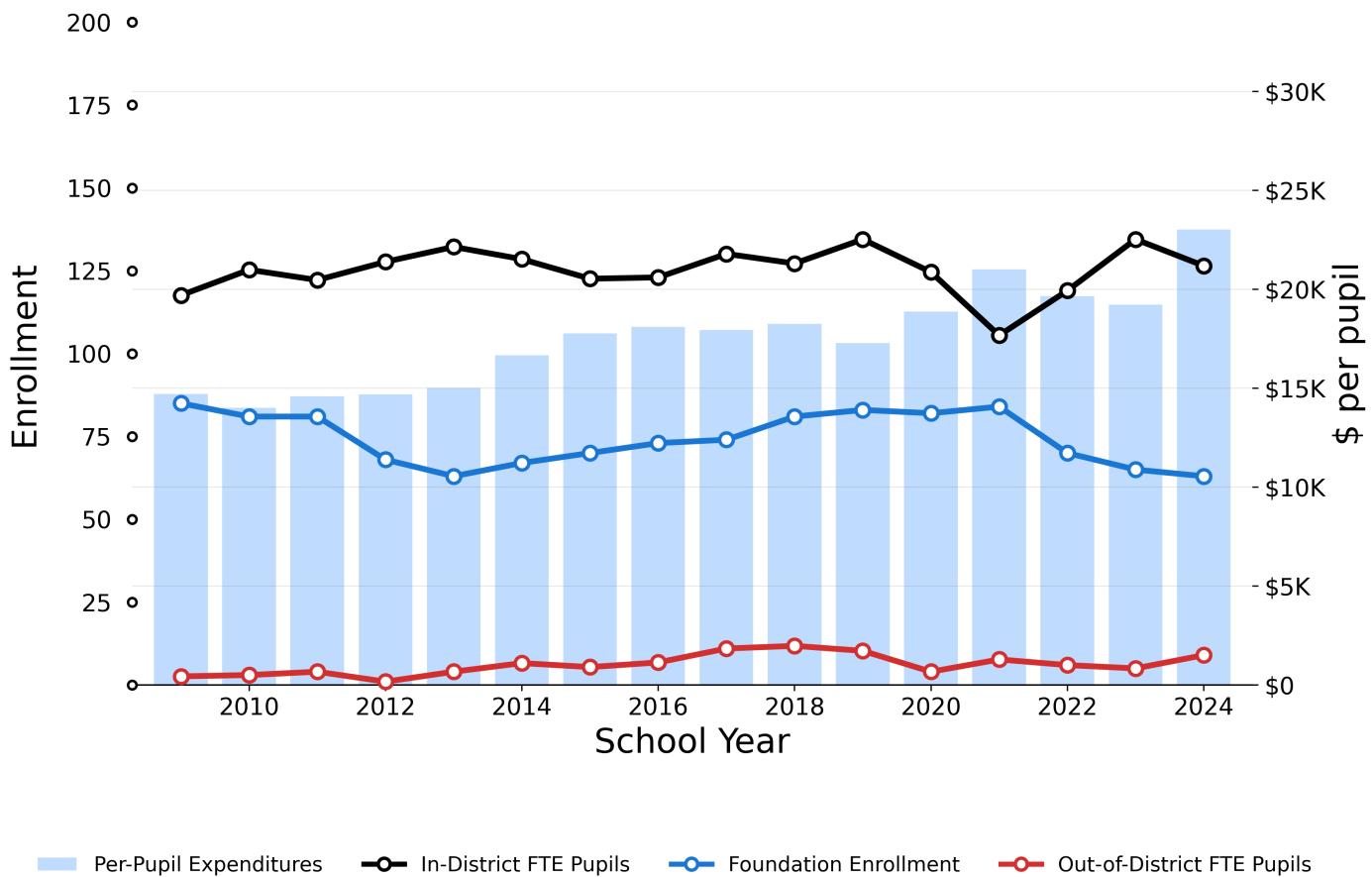
Shading vs Western cohort: $|\Delta\$/pupil| \geq 2.0\%$, $|\Delta\text{Enrollment}| \geq 2.0\%$, $|\Delta\text{CAGR}| \geq 2.0\text{pp}$ Above Western (Tiny (0-200 FTE))

$$\text{CAGR} = (\text{End}/\text{Start})^{(1/\text{years})} - 1$$

Below Western (Tiny (0-200 FTE))

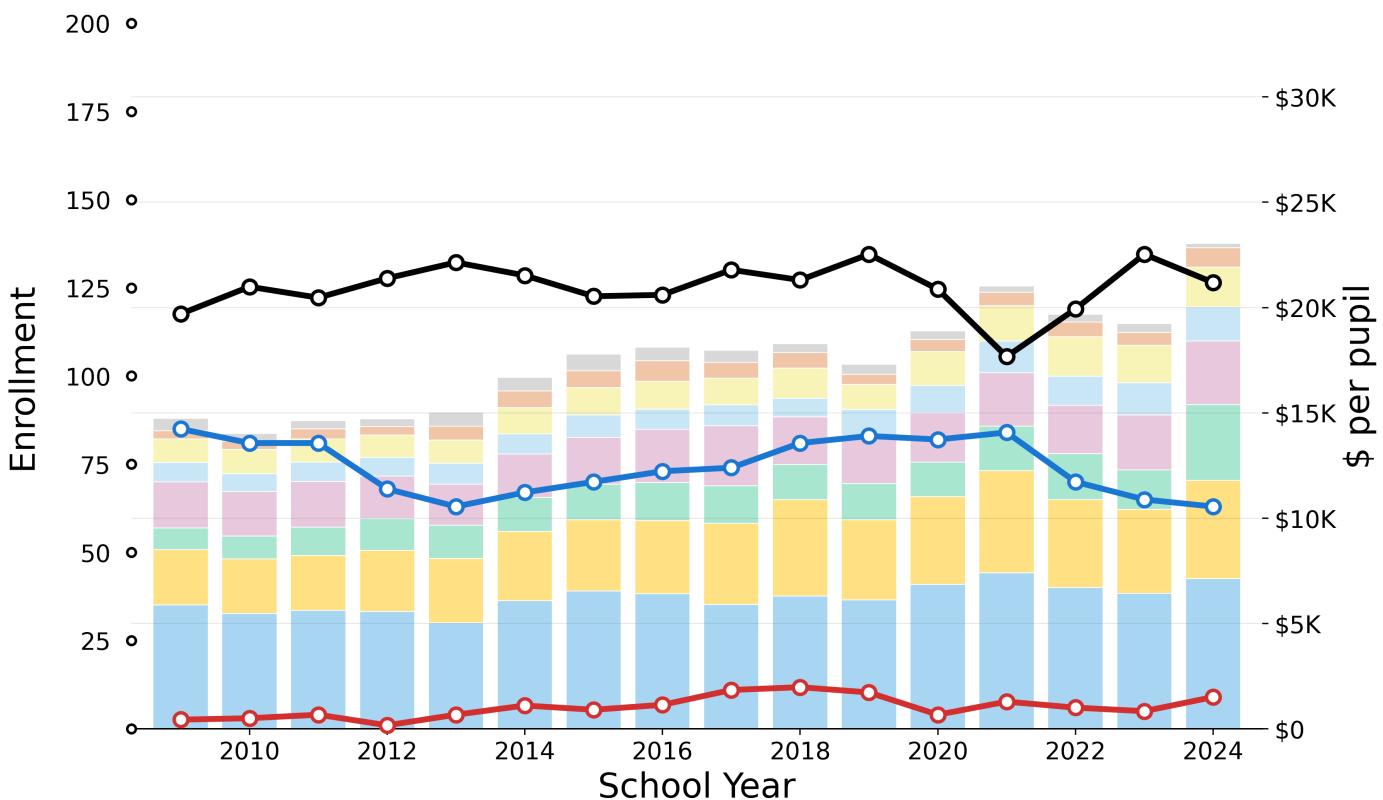
Pelham

PPE vs Enrollment



Pelham

PPE vs Enrollment. Per-pupil expenditures stacked by expense category, expense category table shaded by comparison to weighted average of Western MA Tiny (0-200 FTE)

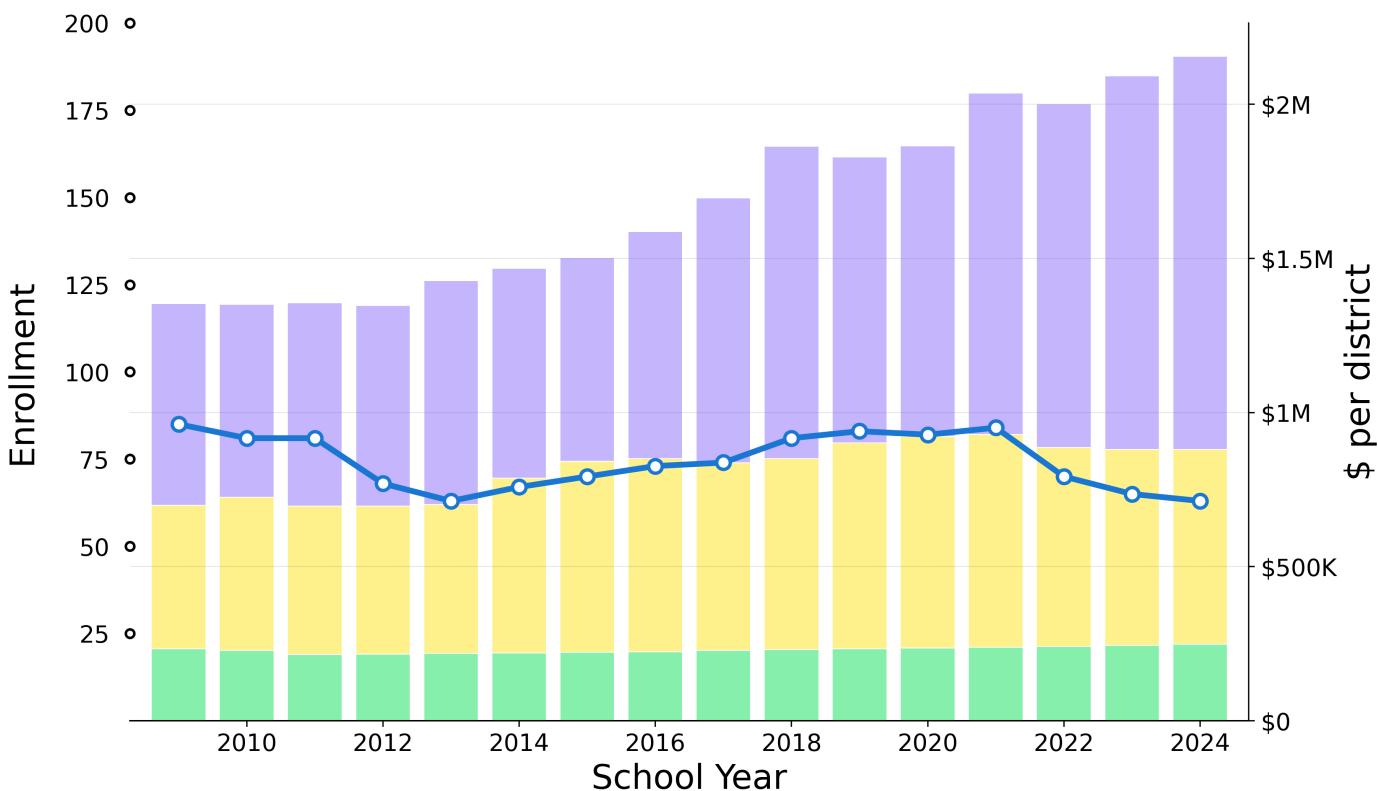


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$580	-6.6%	-10.7%	-15.0%	\$207
Administration	\$390	+5.9%	+1.4%	+13.4%	\$917
Instructional Leadership	\$1,123	+3.5%	+4.2%	+9.6%	\$1,885
Operations and Maintenance	\$920	+3.8%	+5.5%	+5.6%	\$1,614
Other Teaching Services	\$2,184	+2.2%	+3.9%	+5.8%	\$3,010
Pupil Services	\$1,032	+8.7%	+8.4%	+15.8%	\$3,610
Insurance, Retirement and Other	\$2,615	+3.9%	+3.6%	+4.3%	\$4,670
Teachers	\$5,889	+1.3%	+1.6%	+3.1%	\$7,127
Total	\$14,733	+3.0%	+3.3%	+5.9%	\$23,040

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	118	+0.5%	-0.2%	-1.2%	126
Foundation Enrollment	85	-2.0%	-0.6%	-5.4%	63
Out-of-District FTE Pupils	3	+8.6%	+3.2%	-2.7%	9
Shading vs Western cohort: $ \Delta \$/\text{pupil} \geq 2.0\%$, $ \Delta \text{Enrollment} \geq 2.0\%$, $ \Delta \text{CAGR} \geq 2.0\text{pp}$					Above Western (Tiny (0-200 FTE))
CAGR = $(\text{End}/\text{Start})^{(1/\text{years})} - 1$					Below Western (Tiny (0-200 FTE))

Pelham

Chapter 70 Aid, Net School Spending (NSS), and Foundation Enrollment. Funding component table shaded by comparison to weighted average of Western MA Tiny (0-200 FTE)



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$654,027	4.56%	6.48%	6.59%	\$1,275,888
Req NSS (minus Ch70)	\$466,026	2.05%	1.10%	-1.12%	\$631,932
Ch70 Aid	\$233,169	0.42%	1.19%	1.27%	\$248,263
Total (Actual NSS)	\$1,353,222	3.15%	3.92%	3.35%	\$2,156,083

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	85	-2.0%	-0.6%	-5.4%	63

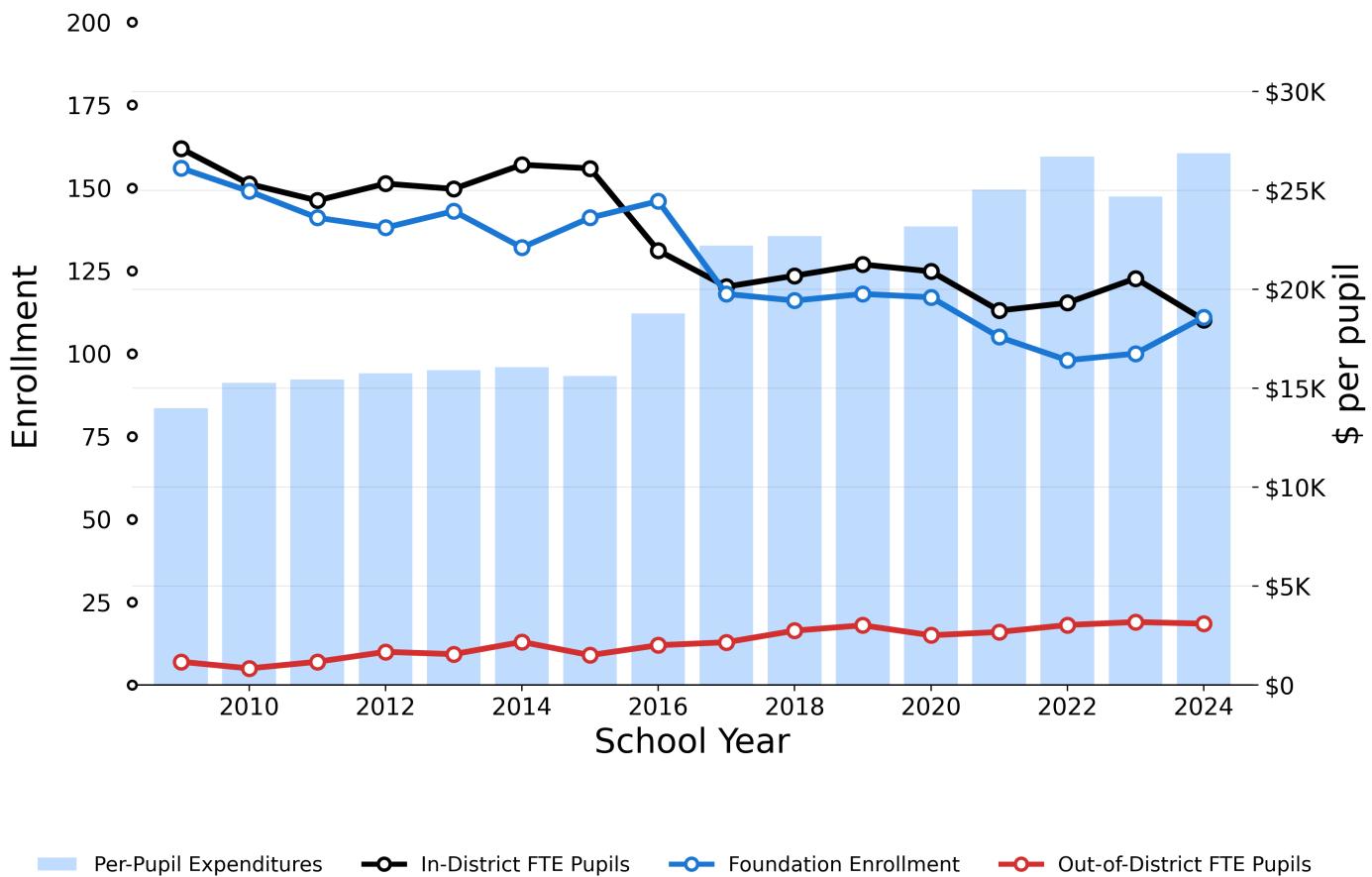
Shading vs Western cohort: $|\Delta\$/pupil| \geq 2.0\%$, $|\Delta\text{Enrollment}| \geq 2.0\%$, $|\Delta\text{CAGR}| \geq 2.0\text{pp}$ Above Western (Tiny (0-200 FTE))

$$\text{CAGR} = (\text{End}/\text{Start})^{(1/\text{years})} - 1$$

Below Western (Tiny (0-200 FTE))

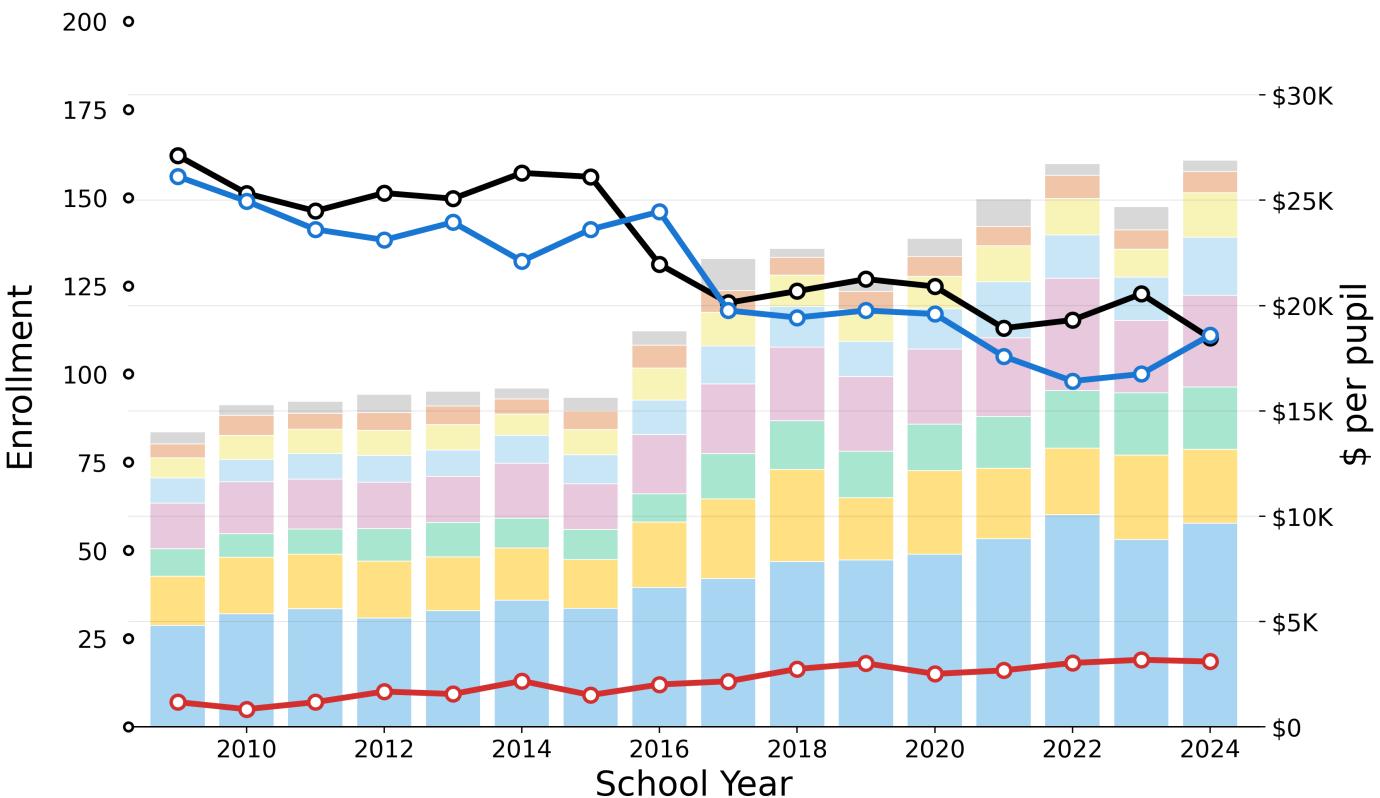
Shutesbury

PPE vs Enrollment



Shutesbury

PPE vs Enrollment. Per-pupil expenditures stacked by expense category, expense category table shaded by comparison to weighted average of Western MA Tiny (0-200 FTE)

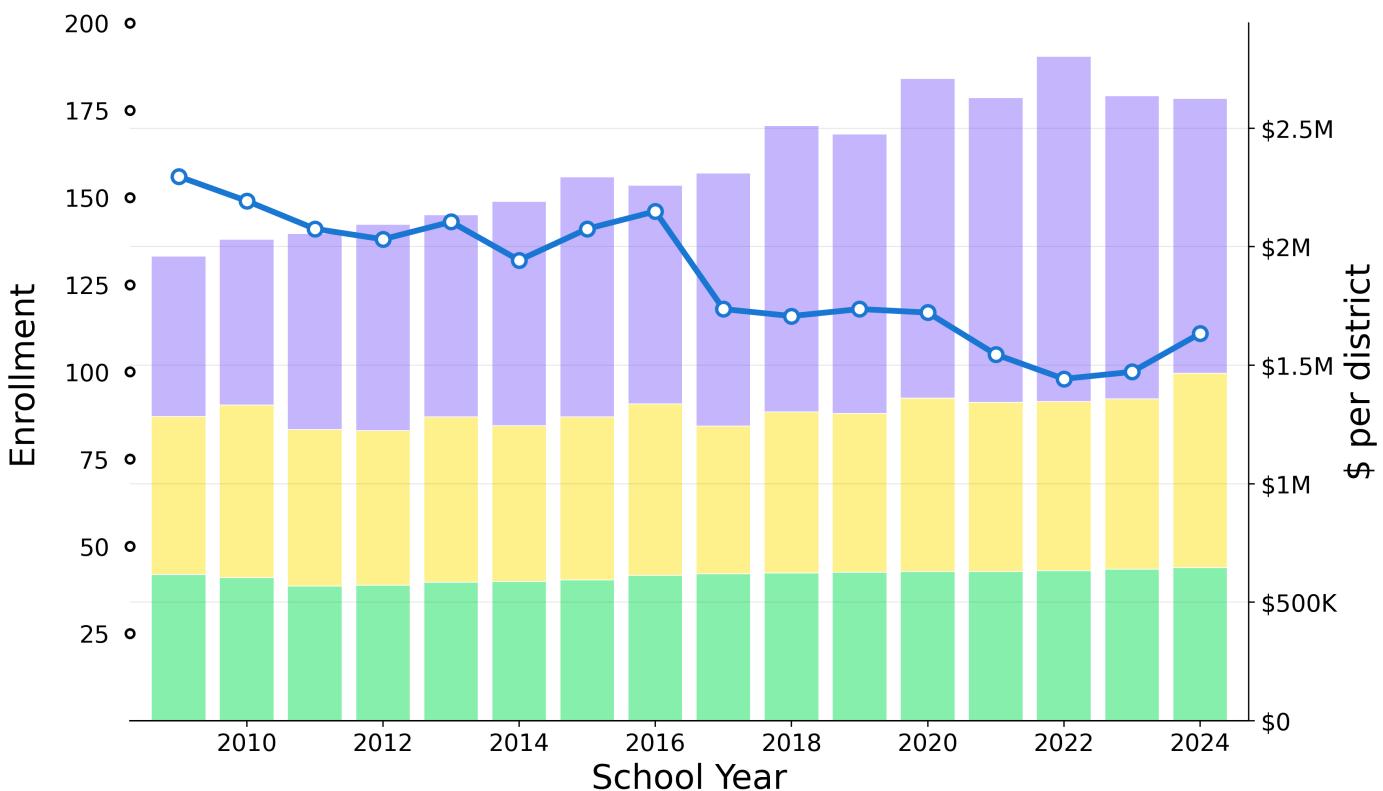


Category	2009 \$/pupil	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$/pupil
Other	\$580	-0.4%	+0.6%	+7.2%	\$545
Administration	\$652	+3.0%	+3.4%	+3.5%	\$1,015
Instructional Leadership	\$969	+5.3%	+7.7%	+6.8%	\$2,103
Operations and Maintenance	\$1,180	+5.8%	+7.5%	+10.6%	\$2,754
Other Teaching Services	\$2,185	+4.7%	+5.3%	+4.2%	\$4,359
Pupil Services	\$1,292	+5.7%	+7.6%	+6.1%	\$2,962
Insurance, Retirement and Other	\$2,332	+2.7%	+3.5%	+3.3%	\$3,501
Teachers	\$4,821	+4.7%	+4.9%	+4.1%	\$9,669
Total	\$14,011	+4.4%	+5.3%	+5.0%	\$26,908

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
In-District FTE Pupils	162	-2.5%	-3.5%	-2.8%	110
Foundation Enrollment	156	-2.2%	-1.7%	-1.2%	111
Out-of-District FTE Pupils	7	+6.7%	+3.6%	+0.5%	18
Shading vs Western cohort: $ \Delta \$/\text{pupil} \geq 2.0\%$, $ \Delta \text{Enrollment} \geq 2.0\%$, $ \Delta \text{CAGR} \geq 2.0\text{pp}$					Above Western (Tiny (0-200 FTE))
CAGR = $(\text{End}/\text{Start})^{(1/\text{years})} - 1$					Below Western (Tiny (0-200 FTE))

Shutesbury

Chapter 70 Aid, Net School Spending (NSS), and Foundation Enrollment. Funding component table shaded by comparison to weighted average of Western MA Tiny (0-200 FTE)



Component	2009 \$	CAGR 15y	CAGR 10y	CAGR 5y	2024 \$
Actual NSS (minus Req NSS)	\$675,633	3.67%	2.06%	-0.35%	\$1,159,959
Req NSS (minus Ch70)	\$667,645	1.38%	2.24%	4.16%	\$820,401
Ch70 Aid	\$616,453	0.31%	0.94%	0.60%	\$645,986
Total (Actual NSS)	\$1,959,731	1.97%	1.83%	1.18%	\$2,626,346

Enrollment	2009	CAGR 15y	CAGR 10y	CAGR 5y	2024
Foundation Enrollment	156	-2.2%	-1.7%	-1.2%	111

Shading vs Western cohort: $|\Delta\$/pupil| \geq 2.0\%$, $|\Delta\text{Enrollment}| \geq 2.0\%$, $|\Delta\text{CAGR}| \geq 2.0\text{pp}$ Above Western (Tiny (0-200 FTE))

$$\text{CAGR} = (\text{End}/\text{Start})^{(1/\text{years})} - 1$$

Below Western (Tiny (0-200 FTE))

Appendix A. Data Tables

All data values used in plots

This appendix contains the underlying data tables for all districts and regions shown in the report. Each table shows PPE by category (in \$/pupil), FTE enrollment counts, and NSS/Ch70 funding components (in absolute dollars) across all available years.

Data: All Western MA Traditional Districts: Tiny (0-200 FTE)

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$546	\$556	\$581	\$616	\$568	\$563	\$603	\$634	\$752	\$533	\$647	\$654	\$1,131	\$975	\$1,084	\$970
Administration	\$755	\$826	\$829	\$902	\$915	\$833	\$729	\$797	\$860	\$768	\$732	\$755	\$869	\$930	\$1,074	\$1,005
Instructional Leadership	\$1,094	\$1,117	\$1,133	\$1,230	\$1,306	\$1,374	\$1,535	\$1,723	\$1,575	\$1,601	\$1,581	\$1,620	\$1,829	\$1,760	\$1,786	\$2,044
Operations and Maintenance	\$1,355	\$1,327	\$1,384	\$1,358	\$1,286	\$1,487	\$1,499	\$1,422	\$1,400	\$1,460	\$1,832	\$1,569	\$2,144	\$2,296	\$2,097	\$2,200
Other Teaching Services	\$1,859	\$1,883	\$1,933	\$2,065	\$2,283	\$2,245	\$2,343	\$2,520	\$2,600	\$2,471	\$2,785	\$2,858	\$2,997	\$3,433	\$3,375	\$3,637
Pupil Services	\$1,611	\$1,613	\$1,623	\$1,757	\$1,827	\$1,939	\$1,923	\$1,986	\$2,081	\$2,080	\$2,242	\$2,058	\$2,466	\$2,461	\$2,759	\$3,324
Insurance, Retirement and Other	\$2,223	\$2,282	\$2,426	\$2,534	\$2,736	\$2,965	\$2,976	\$2,876	\$3,065	\$3,183	\$3,402	\$3,518	\$4,001	\$3,723	\$4,008	\$4,196
Teachers	\$4,939	\$5,101	\$5,102	\$5,058	\$5,107	\$5,767	\$5,691	\$5,935	\$6,001	\$6,260	\$6,413	\$6,653	\$7,330	\$7,242	\$7,344	\$7,892
Total	\$14,382	\$14,706	\$15,011	\$15,520	\$16,029	\$17,173	\$17,300	\$17,893	\$18,335	\$18,356	\$19,632	\$19,687	\$22,767	\$22,820	\$23,527	\$25,269

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	114	114	113	112	111	107	110	102	105	108	109	110	97	105	104	101
Foundation Enrollment	99	95	93	87	88	88	86	93	90	88	86	84	83	76	76	78
Out-of-District FTE Pupils	22	22	21	22	21	20	19	26	25	24	23	20	19	21	22	21

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$410K	\$402K	\$386K	\$388K	\$395K	\$403K	\$405K	\$422K	\$428K	\$431K	\$439K	\$446K	\$456K	\$466K	\$482K	\$509K
Req NSS (minus Ch70)	\$548K	\$610K	\$612K	\$619K	\$649K	\$680K	\$685K	\$743K	\$720K	\$718K	\$729K	\$727K	\$751K	\$744K	\$777K	\$811K
Actual NSS (minus Req NSS)	\$491K	\$468K	\$474K	\$510K	\$513K	\$528K	\$551K	\$613K	\$705K	\$760K	\$857K	\$853K	\$839K	\$904K	\$891K	\$348K
Total NSS	\$1.4M	\$1.5M	\$1.5M	\$1.5M	\$1.6M	\$1.6M	\$1.6M	\$1.8M	\$1.9M	\$1.9M	\$2.0M	\$2.0M	\$2.0M	\$2.1M	\$2.2M	\$1.7M

Data: All Western MA Traditional Districts: Small (201-800 FTE)

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$549	\$504	\$523	\$547	\$603	\$524	\$503	\$585	\$540	\$585	\$553	\$521	\$1,000	\$781	\$1,032	\$1,118
Administration	\$518	\$514	\$562	\$600	\$656	\$667	\$704	\$725	\$1,011	\$766	\$783	\$839	\$886	\$985	\$993	\$1,029
Instructional Leadership	\$790	\$785	\$823	\$814	\$902	\$954	\$972	\$1,021	\$1,042	\$1,078	\$1,084	\$1,145	\$1,264	\$1,316	\$1,444	\$1,543
Operations and Maintenance	\$1,081	\$1,036	\$1,044	\$1,101	\$1,198	\$1,276	\$1,297	\$1,281	\$1,220	\$1,230	\$1,421	\$1,433	\$1,679	\$1,921	\$2,253	\$2,642
Other Teaching Services	\$1,118	\$1,141	\$1,257	\$1,224	\$1,395	\$1,411	\$1,468	\$1,567	\$1,735	\$1,900	\$1,985	\$2,028	\$1,987	\$2,087	\$2,350	\$2,613
Pupil Services	\$1,770	\$1,766	\$1,845	\$1,985	\$2,228	\$2,201	\$2,221	\$2,481	\$2,459	\$2,482	\$2,643	\$2,693	\$2,975	\$3,466	\$3,715	\$4,135
Insurance, Retirement and Other	\$2,098	\$2,094	\$2,219	\$2,332	\$2,520	\$2,601	\$2,712	\$2,933	\$3,333	\$3,325	\$3,385	\$3,423	\$3,766	\$3,793	\$4,077	\$4,396
Teachers	\$4,544	\$4,642	\$4,695	\$4,846	\$5,357	\$5,381	\$5,529	\$5,677	\$5,950	\$5,966	\$6,084	\$6,400	\$6,947	\$7,299	\$7,624	\$7,899
Total	\$12,466	\$12,483	\$12,968	\$13,450	\$14,859	\$15,017	\$15,407	\$16,270	\$17,290	\$17,333	\$17,937	\$18,483	\$20,506	\$21,648	\$23,488	\$25,373

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	584	585	576	561	526	516	504	495	483	472	472	456	423	424	414	409
Foundation Enrollment	512	500	491	479	464	448	440	425	412	409	405	403	398	375	373	364
Out-of-District FTE Pupils	80	84	80	75	84	83	86	84	85	87	88	86	83	86	84	82

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$2.1M	\$2.0M	\$2.1M	\$2.1M	\$2.1M	\$2.1M	\$2.1M	\$2.1M	\$2.2M	\$2.3M						
Req NSS (minus Ch70)	\$2.6M	\$3.0M	\$3.0M	\$3.1M	\$3.1M	\$3.2M	\$3.2M	\$3.2M	\$3.1M	\$3.1M	\$3.2M	\$3.3M	\$3.3M	\$3.3M	\$3.5M	\$3.6M
Actual NSS (minus Req NSS)	\$1.1M	\$815K	\$976K	\$973K	\$1.1M	\$1.2M	\$1.2M	\$1.4M	\$1.7M	\$1.9M	\$2.0M	\$2.0M	\$2.1M	\$2.2M	\$2.3M	\$272K
Total NSS	\$5.8M	\$5.8M	\$5.9M	\$6.0M	\$6.2M	\$6.4M	\$6.4M	\$6.6M	\$6.8M	\$7.0M	\$7.3M	\$7.4M	\$7.6M	\$7.7M	\$8.0M	\$6.7M

Data: All Western MA Traditional Districts: Medium (801-1800 FTE)

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$466	\$449	\$496	\$439	\$523	\$548	\$533	\$572	\$588	\$514	\$631	\$615	\$939	\$1,058	\$1,123	\$1,230
Administration	\$504	\$526	\$531	\$550	\$589	\$583	\$623	\$657	\$675	\$698	\$645	\$675	\$746	\$782	\$838	\$904
Instructional Leadership	\$898	\$903	\$896	\$1,004	\$1,054	\$1,092	\$1,112	\$1,181	\$1,169	\$1,080	\$1,055	\$1,127	\$1,203	\$1,282	\$1,354	\$1,572
Operations and Maintenance	\$1,121	\$1,067	\$1,157	\$1,104	\$1,158	\$1,209	\$1,250	\$1,241	\$1,291	\$1,282	\$1,438	\$1,432	\$1,601	\$1,694	\$1,869	\$1,959
Other Teaching Services	\$1,025	\$1,087	\$1,113	\$1,149	\$1,266	\$1,320	\$1,363	\$1,398	\$1,452	\$1,613	\$1,721	\$1,750	\$1,930	\$2,159	\$2,292	\$2,365
Pupil Services	\$1,762	\$1,726	\$1,830	\$1,855	\$1,997	\$2,052	\$2,138	\$2,240	\$2,239	\$2,481	\$2,522	\$2,438	\$2,653	\$3,029	\$3,371	\$3,545
Insurance, Retirement and Other	\$2,381	\$2,520	\$2,747	\$2,732	\$2,726	\$2,923	\$3,069	\$3,261	\$3,371	\$3,662	\$3,644	\$3,792	\$4,150	\$4,166	\$4,417	\$4,688
Teachers	\$4,814	\$4,861	\$5,101	\$5,173	\$5,279	\$5,402	\$5,596	\$5,634	\$5,776	\$6,090	\$6,316	\$6,481	\$6,968	\$6,972	\$7,273	\$7,562
Total	\$12,971	\$13,140	\$13,872	\$14,005	\$14,593	\$15,129	\$15,684	\$16,184	\$16,561	\$17,421	\$17,972	\$18,310	\$20,191	\$21,140	\$22,536	\$23,826

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	1,408	1,376	1,331	1,301	1,282	1,253	1,224	1,196	1,184	1,161	1,180	1,163	1,086	1,095	1,093	1,080
Foundation Enrollment	1,444	1,420	1,393	1,340	1,315	1,297	1,262	1,226	1,209	1,187	1,160	1,152	1,143	1,081	1,072	1,051
Out-of-District FTE Pupils	125	128	131	133	135	139	148	154	156	161	171	167	162	163	161	161

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$7.2M	\$7.1M	\$6.8M	\$6.8M	\$6.8M	\$6.9M	\$7.0M	\$7.0M	\$7.1M	\$7.1M	\$7.2M	\$7.4M	\$7.4M	\$7.5M	\$7.8M	\$8.1M
Req NSS (minus Ch70)	\$5.5M	\$6.9M	\$6.9M	\$7.1M	\$7.3M	\$7.5M	\$7.5M	\$7.5M	\$7.3M	\$7.2M	\$7.3M	\$7.5M	\$7.7M	\$7.8M	\$8.1M	\$8.5M
Actual NSS (minus Req NSS)	\$3.3M	\$2.2M	\$2.4M	\$2.3M	\$2.4M	\$2.6M	\$2.9M	\$3.4M	\$3.6M	\$4.4M	\$4.5M	\$4.5M	\$4.4M	\$4.5M	\$4.8M	\$4.9M
Total NSS	\$16.0M	\$16.2M	\$16.1M	\$16.2M	\$16.6M	\$17.0M	\$17.4M	\$17.8M	\$18.0M	\$18.7M	\$19.0M	\$19.4M	\$19.6M	\$19.7M	\$20.7M	\$21.5M

Data: All Western MA Traditional Districts: Large (1801-3000 FTE)

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$456	\$466	\$587	\$552	\$581	\$593	\$601	\$626	\$622	\$604	\$612	\$506	\$651	\$711	\$679	\$761
Administration	\$402	\$444	\$447	\$483	\$497	\$521	\$554	\$607	\$600	\$611	\$553	\$588	\$634	\$595	\$672	\$651
Instructional Leadership	\$662	\$704	\$744	\$800	\$805	\$802	\$833	\$821	\$829	\$835	\$907	\$903	\$938	\$993	\$1,026	\$1,069
Operations and Maintenance	\$1,020	\$956	\$979	\$989	\$970	\$1,021	\$1,126	\$1,138	\$1,120	\$1,117	\$1,151	\$1,170	\$1,384	\$1,460	\$1,539	\$1,626
Other Teaching Services	\$985	\$998	\$1,081	\$1,088	\$1,119	\$1,192	\$1,260	\$1,336	\$1,339	\$1,380	\$1,423	\$1,465	\$1,641	\$1,812	\$1,915	\$2,039
Pupil Services	\$1,457	\$1,446	\$1,485	\$1,510	\$1,568	\$1,668	\$1,759	\$1,811	\$1,885	\$1,935	\$2,069	\$2,077	\$2,215	\$2,434	\$2,786	\$2,954
Insurance, Retirement and Other	\$1,777	\$1,792	\$1,849	\$1,954	\$2,011	\$2,170	\$2,265	\$2,386	\$2,491	\$2,610	\$2,700	\$2,803	\$2,960	\$3,080	\$3,273	\$3,457
Teachers	\$4,313	\$4,456	\$4,517	\$4,622	\$4,734	\$4,893	\$5,093	\$5,276	\$5,343	\$5,481	\$5,840	\$5,962	\$6,279	\$6,425	\$6,729	\$6,957
Total	\$11,071	\$11,263	\$11,689	\$11,999	\$12,286	\$12,862	\$13,491	\$14,001	\$14,228	\$14,573	\$15,256	\$15,474	\$16,704	\$17,510	\$18,620	\$19,514

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	2,610	2,568	2,579	2,533	2,495	2,418	2,372	2,344	2,361	2,371	2,351	2,352	2,214	2,256	2,215	2,188
Foundation Enrollment	2,753	2,712	2,681	2,666	2,615	2,580	2,550	2,509	2,467	2,458	2,453	2,443	2,428	2,325	2,336	2,303
Out-of-District FTE Pupils	183	196	201	204	200	201	208	214	207	211	210	206	200	198	210	209

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$11.1M	\$10.8M	\$10.5M	\$10.8M	\$10.9M	\$11.2M	\$11.3M	\$11.3M	\$11.5M	\$11.5M	\$11.7M	\$12.0M	\$12.1M	\$12.2M	\$13.0M	\$13.7M
Req NSS (minus Ch70)	\$11.9M	\$13.4M	\$13.5M	\$13.8M	\$14.2M	\$14.6M	\$14.7M	\$15.0M	\$14.8M	\$15.0M	\$15.3M	\$15.8M	\$16.4M	\$16.4M	\$17.1M	\$17.9M
Actual NSS (minus Req NSS)	\$3.5M	\$3.2M	\$3.6M	\$3.9M	\$3.7M	\$3.8M	\$4.6M	\$5.4M	\$6.1M	\$6.9M	\$7.2M	\$7.2M	\$6.9M	\$8.0M	\$8.0M	\$8.2M
Total NSS	\$26.5M	\$27.5M	\$27.6M	\$28.4M	\$28.8M	\$29.5M	\$30.6M	\$31.7M	\$32.4M	\$33.5M	\$34.2M	\$35.1M	\$35.4M	\$36.6M	\$38.1M	\$39.8M

Data: All Western MA Traditional Districts: X-Large (3001-10,000 FTE)

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$558	\$791	\$676	\$681	\$722	\$657	\$611	\$659	\$690	\$722	\$800	\$851	\$1,185	\$1,325	\$1,749	\$1,728
Administration	\$392	\$400	\$413	\$407	\$410	\$433	\$446	\$437	\$424	\$440	\$409	\$470	\$487	\$572	\$588	\$664
Instructional Leadership	\$918	\$971	\$949	\$927	\$878	\$947	\$980	\$1,008	\$1,038	\$1,009	\$1,059	\$1,107	\$1,138	\$1,255	\$1,315	\$1,345
Operations and Maintenance	\$1,045	\$1,042	\$1,040	\$994	\$1,004	\$1,042	\$1,078	\$1,087	\$1,088	\$1,152	\$1,269	\$1,272	\$1,408	\$1,453	\$1,783	\$1,741
Other Teaching Services	\$994	\$1,065	\$1,117	\$1,112	\$1,205	\$1,256	\$1,314	\$1,392	\$1,408	\$1,403	\$1,386	\$1,402	\$1,521	\$1,681	\$1,997	\$2,033
Pupil Services	\$1,582	\$1,601	\$1,693	\$1,652	\$1,756	\$1,870	\$1,908	\$1,999	\$1,999	\$2,137	\$2,228	\$2,164	\$2,205	\$2,796	\$3,080	\$3,328
Insurance, Retirement and Other	\$2,087	\$2,096	\$2,204	\$2,251	\$2,208	\$2,394	\$2,467	\$2,482	\$2,576	\$2,709	\$2,862	\$2,941	\$3,158	\$3,359	\$3,503	\$3,565
Teachers	\$4,827	\$4,732	\$4,836	\$4,982	\$5,119	\$5,199	\$5,268	\$5,498	\$5,573	\$5,624	\$5,902	\$6,081	\$6,529	\$6,984	\$7,185	\$7,499
Total	\$12,402	\$12,698	\$12,927	\$13,005	\$13,303	\$13,798	\$14,072	\$14,562	\$14,796	\$15,195	\$15,915	\$16,289	\$17,631	\$19,425	\$21,201	\$21,904

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	5,672	5,623	5,622	5,536	5,501	5,428	5,404	5,327	5,349	5,315	5,200	5,158	4,862	4,864	4,814	4,835
Foundation Enrollment	6,287	6,227	6,190	6,172	6,152	6,103	6,063	6,054	5,933	5,910	5,844	5,807	5,738	5,526	5,430	5,388
Out-of-District FTE Pupils	305	322	353	365	380	413	451	477	504	513	551	568	571	565	591	597

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$40.4M	\$39.6M	\$40.0M	\$41.6M	\$43.0M	\$43.5M	\$43.7M	\$44.4M	\$44.8M	\$45.6M	\$46.4M	\$50.1M	\$50.6M	\$52.5M	\$57.2M	\$62.9M
Req NSS (minus Ch70)	\$16.7M	\$21.0M	\$21.2M	\$21.6M	\$22.4M	\$23.2M	\$23.5M	\$23.9M	\$23.8M	\$23.4M	\$23.8M	\$24.1M	\$24.5M	\$25.0M	\$25.8M	\$27.3M
Actual NSS (minus Req NSS)	\$4.6M	\$3.0M	\$4.3M	\$4.0M	\$4.5M	\$5.6M	\$6.2M	\$6.4M	\$8.3M	\$9.2M	\$10.3M	\$9.4M	\$9.2M	\$9.5M	\$10.5M	\$8.9M
Total NSS	\$61.8M	\$63.7M	\$65.5M	\$67.2M	\$69.9M	\$72.3M	\$73.4M	\$74.7M	\$76.8M	\$78.1M	\$80.5M	\$83.5M	\$84.4M	\$87.0M	\$93.4M	\$99.1M

Data: All Western MA Traditional Districts: Outliers (Springfield at 29,468 FTE in 2024)

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$1,143	\$1,337	\$2,068	\$1,143	\$1,424	\$1,734	\$1,241	\$1,376	\$1,286	\$1,371	\$1,673	\$1,765	\$2,487	\$2,260	\$2,923	\$3,071
Administration	\$533	\$654	\$446	\$645	\$550	\$677	\$596	\$580	\$507	\$490	\$416	\$407	\$441	\$501	\$599	\$609
Instructional Leadership	\$719	\$778	\$892	\$1,173	\$1,257	\$1,245	\$1,208	\$1,282	\$1,280	\$1,060	\$983	\$1,090	\$1,103	\$1,402	\$1,534	\$1,571
Operations and Maintenance	\$1,150	\$1,081	\$1,262	\$1,176	\$1,132	\$997	\$1,121	\$1,027	\$1,063	\$1,156	\$1,337	\$1,093	\$1,534	\$1,536	\$3,453	\$3,806
Other Teaching Services	\$1,143	\$1,002	\$1,146	\$1,130	\$1,051	\$1,086	\$1,150	\$1,135	\$1,070	\$1,036	\$1,357	\$1,390	\$1,337	\$1,518	\$1,776	\$2,014
Pupil Services	\$2,031	\$1,873	\$2,156	\$2,353	\$2,183	\$2,257	\$2,393	\$2,467	\$2,613	\$2,845	\$2,968	\$2,631	\$2,590	\$3,602	\$3,675	\$3,901
Insurance, Retirement and Other	\$2,050	\$2,226	\$2,280	\$2,474	\$2,437	\$2,496	\$2,467	\$2,566	\$2,562	\$2,635	\$2,765	\$3,001	\$3,217	\$3,461	\$3,852	\$3,906
Teachers	\$5,839	\$4,859	\$4,750	\$4,711	\$4,848	\$4,823	\$4,963	\$5,196	\$4,962	\$5,274	\$5,510	\$5,800	\$6,442	\$7,095	\$7,561	\$7,737
Total	\$14,608	\$13,810	\$15,000	\$14,805	\$14,882	\$15,315	\$15,139	\$15,629	\$15,343	\$15,867	\$17,009	\$17,177	\$19,151	\$21,375	\$25,373	\$26,615

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	25,137	24,987	24,935	24,521	24,747	25,249	25,101	25,009	25,629	25,776	25,294	24,906	24,079	24,040	23,763	23,723
Foundation Enrollment	28,235	28,343	28,305	28,226	27,951	28,434	28,755	28,970	29,109	29,533	29,670	29,645	29,551	29,144	28,613	28,326
Out-of-District FTE Pupils	3,571	3,775	3,719	3,695	3,817	3,613	3,974	4,406	4,596	4,812	5,150	5,363	5,559	5,500	5,652	5,745

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$262.7 M	\$257.5 M	\$262.7 M	\$275.4 M	\$285.9 M	\$295.8 M	\$301.6 M	\$309.2 M	\$319.9 M	\$333.0 M	\$345.4 M	\$370.7 M	\$377.2 M	\$403.3 M	\$439.2 M	\$477.7 M
Req NSS (minus Ch70)	\$7.0M	\$37.5M	\$45.6M	\$35.2M	\$37.1M	\$39.2M	\$36.1M	\$36.4M	\$36.7M	\$37.4M	\$41.4M	\$40.8M	\$56.7M	\$43.2M	\$44.7M	\$48.0M
Actual NSS (minus Req NSS)	\$-4.2M	\$-10.9M	\$-985K	\$-2.4M	\$-4.0M	\$1	\$50K	\$59K	\$-1	\$-3.1M	\$-2	\$-14.8M	\$3	\$7	\$-2	\$-5
Total NSS	\$265.5 M	\$284.1 M	\$307.3 M	\$308.2 M	\$319.0 M	\$335.0 M	\$337.7 M	\$345.7 M	\$356.6 M	\$367.2 M	\$386.8 M	\$396.8 M	\$433.8 M	\$446.5 M	\$483.9 M	\$525.8 M

Data: Amherst-Pelham

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$646	\$534	\$900	\$417	\$459	\$424	\$599	\$860	\$635	\$384	\$610	\$559	\$477	\$527	\$457	\$799
Administration	\$652	\$664	\$687	\$789	\$987	\$907	\$953	\$926	\$996	\$857	\$759	\$780	\$788	\$859	\$928	\$1,277
Instructional Leadership	\$1,289	\$1,337	\$1,209	\$1,397	\$1,390	\$1,545	\$1,429	\$1,437	\$1,541	\$1,555	\$1,544	\$1,501	\$1,436	\$1,472	\$1,644	\$2,336
Operations and Maintenance	\$1,459	\$1,416	\$1,559	\$1,468	\$1,481	\$1,585	\$1,473	\$1,577	\$1,904	\$1,678	\$1,776	\$1,601	\$1,705	\$1,778	\$1,957	\$2,221
Other Teaching Services	\$1,199	\$1,264	\$1,313	\$1,468	\$1,588	\$1,739	\$1,770	\$1,883	\$2,014	\$2,066	\$2,122	\$2,214	\$3,010	\$3,050	\$2,968	\$2,851
Pupil Services	\$2,170	\$2,196	\$2,205	\$2,302	\$2,291	\$2,497	\$2,753	\$2,908	\$2,931	\$3,109	\$3,161	\$2,902	\$3,951	\$3,780	\$4,177	\$4,231
Insurance, Retirement and Other	\$3,305	\$3,636	\$3,673	\$3,811	\$3,526	\$3,954	\$4,086	\$4,103	\$4,218	\$5,006	\$5,047	\$5,074	\$5,237	\$5,062	\$5,887	\$6,248
Teachers	\$5,491	\$5,511	\$6,254	\$6,199	\$6,533	\$6,765	\$6,704	\$6,590	\$6,927	\$7,208	\$7,285	\$7,155	\$7,592	\$7,404	\$8,158	\$8,270
Total	\$16,211	\$16,558	\$17,800	\$17,851	\$18,255	\$19,416	\$19,767	\$20,284	\$21,166	\$21,863	\$22,304	\$21,786	\$24,196	\$23,932	\$26,176	\$28,233

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	1,712	1,659	1,573	1,536	1,519	1,470	1,450	1,378	1,366	1,342	1,334	1,346	1,278	1,265	1,241	1,209
Foundation Enrollment	1,801	1,763	1,726	1,647	1,610	1,581	1,529	1,532	1,496	1,490	1,433	1,399	1,399	1,330	1,310	1,274
Out-of-District FTE Pupils	112	129	138	143	138	149	169	190	192	170	158	152	155	145	150	147

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$9.9M	\$9.7M	\$9.1M	\$9.2M	\$9.2M	\$9.3M	\$9.3M	\$9.3M	\$9.4M	\$9.5M	\$9.5M	\$9.6M	\$9.6M	\$9.6M	\$9.7M	\$9.8M
Req NSS (minus Ch70)	\$7.9M	\$10.9M	\$11.0M	\$11.1M	\$11.4M	\$11.7M	\$11.5M	\$11.7M	\$11.5M	\$11.6M	\$11.9M	\$12.1M	\$12.8M	\$12.8M	\$13.3M	\$13.8M
Actual NSS (minus Req NSS)	\$6.1M	\$4.0M	\$4.7M	\$5.5M	\$6.0M	\$6.1M	\$6.6M	\$6.7M	\$7.5M	\$7.5M	\$7.7M	\$7.5M	\$6.8M	\$6.8M	\$7.0M	\$7.7M
Total NSS	\$23.9M	\$24.6M	\$24.8M	\$25.8M	\$26.6M	\$27.0M	\$27.4M	\$27.7M	\$28.4M	\$28.6M	\$29.1M	\$29.2M	\$29.2M	\$30.0M	\$31.3M	

Data: Amherst

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$684	\$547	\$606	\$931	\$1,098	\$1,098	\$1,265	\$1,242	\$1,119	\$798	\$1,092	\$733	\$1,563	\$1,561	\$1,475	\$1,328
Administration	\$627	\$698	\$735	\$709	\$787	\$809	\$919	\$944	\$981	\$799	\$767	\$827	\$874	\$896	\$981	\$1,213
Instructional Leadership	\$1,134	\$1,079	\$965	\$1,032	\$1,153	\$1,275	\$1,175	\$1,131	\$1,087	\$1,231	\$1,325	\$1,527	\$1,750	\$1,783	\$1,847	\$2,498
Operations and Maintenance	\$1,264	\$1,271	\$1,636	\$1,436	\$1,399	\$1,451	\$1,577	\$1,530	\$1,555	\$1,340	\$1,646	\$1,764	\$1,897	\$1,874	\$1,941	\$2,248
Other Teaching Services	\$1,762	\$1,813	\$1,923	\$2,345	\$2,621	\$2,610	\$2,840	\$2,652	\$2,751	\$2,973	\$3,084	\$3,053	\$3,908	\$3,898	\$3,746	\$4,612
Pupil Services	\$1,261	\$1,386	\$1,335	\$1,386	\$1,553	\$1,761	\$1,802	\$1,850	\$1,818	\$1,909	\$2,030	\$1,844	\$2,035	\$2,740	\$2,821	\$3,018
Insurance, Retirement and Other	\$3,353	\$3,610	\$3,821	\$3,852	\$3,941	\$4,189	\$4,201	\$4,295	\$4,231	\$4,840	\$5,212	\$5,363	\$5,661	\$5,561	\$6,022	\$6,605
Teachers	\$5,944	\$6,213	\$6,355	\$6,963	\$6,804	\$6,627	\$6,841	\$7,712	\$7,792	\$8,091	\$8,538	\$8,725	\$9,528	\$9,598	\$9,451	\$9,745
Total	\$16,029	\$16,617	\$17,376	\$18,654	\$19,356	\$19,820	\$20,620	\$21,356	\$21,334	\$21,981	\$23,694	\$23,836	\$27,216	\$27,911	\$28,284	\$31,267

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	1,387	1,331	1,284	1,215	1,196	1,197	1,184	1,154	1,156	1,163	1,131	1,107	1,017	1,052	1,062	1,002
Foundation Enrollment	1,398	1,405	1,356	1,279	1,269	1,227	1,205	1,192	1,199	1,136	1,106	1,134	1,097	1,045	1,065	1,055
Out-of-District FTE Pupils	65	72	73	84	90	90	101	113	110	108	124	122	118	123	129	134

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$6.3M	\$6.1M	\$5.8M	\$5.8M	\$5.9M	\$5.9M	\$5.9M	\$6.0M	\$6.0M	\$6.1M	\$6.1M	\$6.1M	\$6.1M	\$6.2M	\$6.2M	\$6.3M
Req NSS (minus Ch70)	\$5.5M	\$8.3M	\$8.2M	\$8.3M	\$8.6M	\$8.8M	\$8.8M	\$9.0M	\$9.1M	\$8.8M	\$8.9M	\$9.5M	\$9.6M	\$9.9M	\$10.5M	\$11.2M
Actual NSS (minus Req NSS)	\$8.6M	\$6.7M	\$7.1M	\$7.2M	\$7.7M	\$8.0M	\$8.6M	\$9.1M	\$9.0M	\$10.0M	\$10.9M	\$10.5M	\$10.3M	\$11.2M	\$11.2M	\$11.7M
Total NSS	\$20.4M	\$21.1M	\$21.1M	\$21.4M	\$22.2M	\$22.6M	\$23.4M	\$24.1M	\$24.1M	\$24.9M	\$25.9M	\$26.1M	\$26.1M	\$27.3M	\$27.9M	\$29.1M

Data: Leverett

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$575	\$602	\$651	\$766	\$616	\$556	\$563	\$529	\$596	\$453	\$503	\$606	\$1,041	\$840	\$756	\$608
Administration	\$715	\$676	\$710	\$888	\$925	\$1,029	\$809	\$842	\$1,244	\$899	\$826	\$857	\$1,010	\$987	\$1,061	\$953
Instructional Leadership	\$1,015	\$1,008	\$1,072	\$1,244	\$1,257	\$1,393	\$1,357	\$1,344	\$1,431	\$1,461	\$1,278	\$1,317	\$1,318	\$1,354	\$1,430	\$1,663
Operations and Maintenance	\$1,755	\$1,427	\$1,532	\$1,741	\$1,479	\$2,421	\$2,272	\$1,707	\$1,209	\$1,765	\$1,491	\$1,458	\$2,131	\$2,296	\$2,292	\$2,158
Other Teaching Services	\$2,385	\$2,040	\$2,074	\$2,346	\$2,540	\$2,352	\$2,274	\$2,281	\$2,193	\$2,175	\$2,477	\$2,386	\$2,178	\$3,119	\$3,266	\$3,526
Pupil Services	\$1,395	\$970	\$1,096	\$1,599	\$1,613	\$2,392	\$2,073	\$1,701	\$2,082	\$2,081	\$1,845	\$1,641	\$2,690	\$1,910	\$2,635	\$2,814
Insurance, Retirement and Other	\$2,098	\$2,041	\$2,253	\$2,499	\$2,753	\$3,245	\$3,041	\$2,937	\$2,943	\$3,677	\$3,781	\$3,686	\$4,766	\$3,630	\$3,611	\$3,793
Teachers	\$5,218	\$5,690	\$5,818	\$6,301	\$6,138	\$7,547	\$6,868	\$6,967	\$6,814	\$7,967	\$7,665	\$7,134	\$9,224	\$6,888	\$6,724	\$6,395
Total	\$15,156	\$14,454	\$15,206	\$17,384	\$17,321	\$20,935	\$19,257	\$18,308	\$18,512	\$20,478	\$19,866	\$19,085	\$24,358	\$21,024	\$21,775	\$21,910

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	162	164	161	150	147	124	134	135	134	129	136	142	117	142	140	142
Foundation Enrollment	125	120	123	123	119	118	100	104	101	123	103	112	116	105	112	101
Out-of-District FTE Pupils	7	7	6	9	10	9	8	6	14	8	9	12	9	12	7	3

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$288K	\$282K	\$266K	\$267K	\$272K	\$275K	\$277K	\$280K	\$285K	\$289K	\$292K	\$296K	\$296K	\$299K	\$391K	\$397K
Req NSS (minus Ch70)	\$819K	\$875K	\$938K	\$929K	\$916K	\$935K	\$841K	\$844K	\$837K	\$990K	\$858K	\$885K	\$993K	\$943K	\$971K	\$955K
Actual NSS (minus Req NSS)	\$877K	\$878K	\$860K	\$952K	\$1.0M	\$905K	\$974K	\$1.0M	\$1.0M	\$963K	\$1.2M	\$1.3M	\$1.1M	\$1.4M	\$1.1M	\$1.1M
Total NSS	\$2.0M	\$2.0M	\$2.1M	\$2.1M	\$2.2M	\$2.1M	\$2.1M	\$2.2M	\$2.1M	\$2.2M	\$2.3M	\$2.4M	\$2.4M	\$2.6M	\$2.5M	\$2.5M

Data: Pelham

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$580	\$361	\$384	\$366	\$658	\$639	\$780	\$652	\$569	\$414	\$466	\$407	\$292	\$365	\$422	\$207
Administration	\$390	\$398	\$478	\$391	\$664	\$796	\$806	\$980	\$739	\$731	\$489	\$574	\$656	\$688	\$614	\$917
Instructional Leadership	\$1,123	\$1,159	\$1,089	\$1,064	\$1,113	\$1,252	\$1,288	\$1,322	\$1,278	\$1,431	\$1,194	\$1,609	\$1,670	\$1,873	\$1,782	\$1,885
Operations and Maintenance	\$920	\$847	\$925	\$884	\$992	\$947	\$1,080	\$942	\$987	\$889	\$1,229	\$1,304	\$1,498	\$1,380	\$1,524	\$1,614
Other Teaching Services	\$2,184	\$2,109	\$2,166	\$2,026	\$1,937	\$2,063	\$2,218	\$2,541	\$2,850	\$2,269	\$2,273	\$2,324	\$2,540	\$2,292	\$2,594	\$3,010
Pupil Services	\$1,032	\$1,090	\$1,347	\$1,507	\$1,584	\$1,615	\$1,696	\$1,797	\$1,774	\$1,672	\$1,732	\$1,642	\$2,112	\$2,203	\$1,888	\$3,610
Insurance, Retirement and Other	\$2,615	\$2,585	\$2,602	\$2,897	\$3,052	\$3,283	\$3,376	\$3,473	\$3,863	\$4,561	\$3,791	\$4,168	\$4,850	\$4,157	\$3,983	\$4,670
Teachers	\$5,889	\$5,474	\$5,627	\$5,576	\$5,035	\$6,090	\$6,540	\$6,418	\$5,904	\$6,310	\$6,129	\$6,860	\$7,406	\$6,714	\$6,430	\$7,127
Total	\$14,733	\$14,023	\$14,618	\$14,711	\$15,035	\$16,685	\$17,784	\$18,125	\$17,964	\$18,277	\$17,303	\$18,888	\$21,024	\$19,672	\$19,237	\$23,040

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	118	125	122	128	132	128	123	123	130	127	134	125	106	119	134	126
Foundation Enrollment	85	81	81	68	63	67	70	73	74	81	83	82	84	70	65	63
Out-of-District FTE Pupils	3	3	4	1	4	7	5	7	11	12	10	4	8	6	5	9

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$233K	\$229K	\$215K	\$216K	\$219K	\$221K	\$222K	\$224K	\$228K	\$231K	\$233K	\$236K	\$238K	\$241K	\$244K	\$248K
Req NSS (minus Ch70)	\$466K	\$497K	\$482K	\$480K	\$483K	\$566K	\$620K	\$627K	\$609K	\$620K	\$668K	\$688K	\$690K	\$646K	\$636K	\$632K
Actual NSS (minus Req NSS)	\$654K	\$626K	\$660K	\$651K	\$726K	\$681K	\$660K	\$736K	\$859K	\$1.0M	\$927K	\$942K	\$1.1M	\$1.1M	\$1.2M	\$1.3M
Total NSS	\$1.4M	\$1.4M	\$1.4M	\$1.3M	\$1.4M	\$1.5M	\$1.5M	\$1.6M	\$1.7M	\$1.9M	\$1.8M	\$1.9M	\$2.0M	\$2.0M	\$2.1M	\$2.2M

Data: Shutesbury

PPE (\$/pupil), FTE Enrollment, and NSS/Ch70 Funding (\$)

PPE by Category (\$/pupil)

Category	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Other	\$580	\$498	\$564	\$865	\$704	\$515	\$636	\$684	\$1,510	\$420	\$385	\$873	\$1,296	\$551	\$1,102	\$545
Administration	\$652	\$943	\$767	\$836	\$877	\$726	\$884	\$1,084	\$1,040	\$846	\$856	\$938	\$925	\$1,100	\$934	\$1,015
Instructional Leadership	\$969	\$1,138	\$1,149	\$1,198	\$1,227	\$1,003	\$1,192	\$1,517	\$1,604	\$1,481	\$1,517	\$1,541	\$1,707	\$1,736	\$1,323	\$2,103
Operations and Maintenance	\$1,180	\$1,079	\$1,221	\$1,276	\$1,251	\$1,338	\$1,384	\$1,637	\$1,791	\$1,941	\$1,663	\$1,916	\$2,665	\$2,048	\$2,051	\$2,754
Other Teaching Services	\$2,185	\$2,447	\$2,361	\$2,193	\$2,179	\$2,591	\$2,164	\$2,817	\$3,301	\$3,491	\$3,545	\$3,560	\$3,722	\$5,320	\$3,441	\$4,359
Pupil Services	\$1,292	\$1,128	\$1,195	\$1,556	\$1,628	\$1,418	\$1,427	\$1,340	\$2,165	\$2,301	\$2,206	\$2,198	\$2,456	\$2,748	\$2,946	\$2,962
Insurance, Retirement and Other	\$2,332	\$2,687	\$2,596	\$2,690	\$2,564	\$2,484	\$2,328	\$3,107	\$3,773	\$4,388	\$2,970	\$3,963	\$3,350	\$3,154	\$4,007	\$3,501
Teachers	\$4,821	\$5,363	\$5,603	\$5,169	\$5,509	\$6,012	\$5,620	\$6,612	\$7,043	\$7,838	\$7,914	\$8,204	\$8,933	\$10,075	\$8,898	\$9,669
Total	\$14,011	\$15,283	\$15,456	\$15,783	\$15,939	\$16,087	\$15,635	\$18,798	\$22,227	\$22,706	\$21,056	\$23,193	\$25,054	\$26,732	\$24,702	\$26,908

FTE Enrollment

FTE Series	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
In-District FTE Pupils	162	151	146	151	150	157	156	131	120	124	127	125	113	115	123	110
Foundation Enrollment	156	149	141	138	143	132	141	146	118	116	118	117	105	98	100	111
Out-of-District FTE Pupils	7	5	7	10	9	13	9	12	13	16	18	15	16	18	19	18

NSS/Ch70 Funding Components (\$)

Component	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ch70 Aid	\$616K	\$604K	\$569K	\$572K	\$585K	\$588K	\$594K	\$613K	\$620K	\$623K	\$627K	\$630K	\$630K	\$633K	\$639K	\$646K
Req NSS (minus Ch70)	\$668K	\$728K	\$660K	\$653K	\$697K	\$658K	\$689K	\$723K	\$624K	\$680K	\$669K	\$730K	\$712K	\$713K	\$719K	\$820K
Actual NSS (minus Req NSS)	\$676K	\$700K	\$826K	\$870K	\$854K	\$946K	\$1.0M	\$923K	\$1.1M	\$1.2M	\$1.2M	\$1.3M	\$1.3M	\$1.5M	\$1.3M	\$1.2M
Total NSS	\$2.0M	\$2.0M	\$2.1M	\$2.1M	\$2.1M	\$2.2M	\$2.3M	\$2.3M	\$2.3M	\$2.5M	\$2.5M	\$2.7M	\$2.6M	\$2.8M	\$2.6M	\$2.6M

Appendix B. Calculation Methodology

Data Sources

1. Data Sources

District Expenditures by Spending Category:

Source: Massachusetts Department of Elementary and Secondary Education (DESE)

Last updated: August 12, 2025

URL: <https://educationontocareer.data.mass.gov/Finance-and-Budget/District-Expenditures-by-Spending-Category/er3w-dtyi/>

This dataset provides detailed expenditure data by category for all Massachusetts school districts, including:

- Expenditures per pupil (EPP) by spending category
- Student enrollment (In-District FTE, Out-of-District FTE, Total FTE)
- Annual data from FY1993 to present

Chapter 70 District Profiles:

Source: Massachusetts Department of Elementary and Secondary Education (DESE)

URL: Various sources compiled in profile_DataC70 spreadsheet tab

From the Ch70 website:

"Chapter 70 District Profiles: The on-line Chapter 70 database shows, for each school district, yearly spending and state aid totals in comparison to the foundation budget. Trend data is available for each year going back to FY1993."

This dataset provides:

- Chapter 70 Aid (c70aid): State aid received by each district
- Required Net School Spending (rqnss2): Minimum spending required by state law
- Actual Net School Spending (actualNSS): Total district spending on education
- Foundation Enrollment (distfoundenro): District foundation enrollment used for Ch70 funding calculations

Regional Classifications:

Source: DESE district profiles and regional service mappings

- Districts classified as Western MA based on EOHHS regional designations
- School type classifications (Traditional, Regional, Charter, etc.)

Appendix B. Calculation Methodology (continued)

2. Per-Pupil Expenditure (PPE) Definition

Per-pupil expenditure (PPE) is reported in the End of Year Report (EOYR) for municipal and regional districts, and is calculated by in-district FTE.

Per the DESE's Researcher's Guide, section XV. Using financial data:

"The out-of-district total cannot be properly reported as a per-pupil expenditure because the cost of tuitions varies greatly depending on the reason for going out of district."

3. Compound Annual Growth Rate (CAGR)

CAGR measures the mean annual growth rate over a specified time period, assuming constant growth.

Formula: CAGR = $(\text{End_Value} / \text{Start_Value})^{(1 / \text{Years})} - 1$

Example: If expenditures grow from \$10,000 to \$12,000 over 5 years:

$$\text{CAGR} = (\$12,000 / \$10,000)^{(1/5)} - 1 = 1.2^{0.2} - 1 = 0.0371 = 3.71\% \text{ per year}$$

Note: CAGR requires positive values at both endpoints and is undefined if data is missing.

4. Enrollment-Based Peer Groups

Districts are grouped by total in-district FTE enrollment into five cohorts (based on IQR analysis) for meaningful peer comparison:

Tiny (0-200 FTE): 17 districts (Cohort 1: below Q1)

Member districts: Conway, Erving, Farmington River Reg, Florida, Hancock, Hawlemont, Leverett, New Salem-Wendell, Pelham, Petersham, Richmond, Rowe, Savoy, Shutesbury, Sunderland, and 2 others

Small (201-800 FTE): 13 districts (Cohort 2: Q1 to median)

Member districts: Clarksburg, Deerfield, Frontier, Gateway, Granby, Hadley, Hatfield, Lee, Lenox, Orange, Pioneer Valley, Ralph C Mahar, Southern Berkshire

Medium (801-1800 FTE): 18 districts (Cohort 3: median to Q3)

Member districts: Amherst, Amherst-Pelham, Athol-Royalston, Berkshire Hills, Central Berkshire, Easthampton, Gill-Montague, Greater Commonwealth Virtual District, Greenfield, Hoosac Valley Regional, Mohawk Trail, Monson, Mount Greylock, North Adams, Palmer, and 3 others

Large (1801-3000 FTE): 6 districts (Cohort 4: above Q3)

Member districts: Belchertown, East Longmeadow, Hampden-Wilbraham, Longmeadow, Ludlow, Northampton

Springfield (>8000 FTE): 1 district (Cohort 5: statistical outlier, analyzed separately)

Member districts: Springfield

Weighted EPP Formula (for aggregate calculations):

For each category and year: Weighted_EPP = $\Sigma(\text{District_EPP} \times \text{District_In-District_FTE}) / \Sigma(\text{District_In-District_FTE})$

Example: District A spends \$5,000/pupil (500 students), District B spends \$6,000/pupil (300 students)

Weighted average = $(\$5,000 \times 500 + \$6,000 \times 300) / (500 + 300) = \$5,375/\text{pupil}$

Enrollment Calculation: For each series (In-District FTE, Out-of-District FTE) and year: Sum across all member districts in the enrollment group.

Appendix B. Calculation Methodology (continued)

5. Orange/Blue Shading Logic (District Comparison Tables)

District pages include tables comparing each district's per-pupil expenditures (PPE) and growth rates (CAGR) to their enrollment-based peer group aggregate (Tiny, Small, Medium, Large, or Springfield).

Two independent tests determine shading:

Test 1 - Dollar Amount (2024 \$/pupil column):

Compares the district's 2024 PPE to the baseline's 2024 PPE using relative difference: (District – Baseline) / Baseline

- **Orange shading:** District spending is $\geq 2.0\%$ higher than baseline
- **Blue shading:** District spending is $\geq 2.0\%$ lower than baseline
- **No shading:** Difference is less than 2.0%

Test 2 - CAGR (5y, 10y, 15y columns):

Compares the district's CAGR to the baseline's CAGR using absolute percentage point difference: District_CAGR – Baseline_CAGR

- **Orange shading:** District CAGR is ≥ 2.0 percentage points higher than baseline
- **Blue shading:** District CAGR is ≥ 2.0 percentage points lower than baseline
- **No shading:** Difference is less than 2.0 percentage points

Key insight: The tests are independent. An orange 2024 \$/pupil with unshaded CAGRs typically means:

- The district started at a higher baseline 15 years ago, AND
- The district has been growing at roughly the same rate as peers
- Therefore it remains higher in absolute dollars but isn't growing faster

Appendix B. Calculation Methodology (continued)

6. Chapter 70 Aid and Net School Spending (NSS) Calculations

Chapter 70 is Massachusetts' primary state aid program for K-12 education. Net School Spending (NSS) is the total amount a district spends on education from local and state sources.

Data Sources:

- **Chapter 70 Aid (c70aid):** State aid received by the district (DESE profile_DataC70 sheet)
- **Required NSS (rqnss2):** Minimum spending required by state law, adjusted (DESE profile_DataC70 sheet)
- **Actual NSS (actualNSS):** Total district spending on education (DESE profile_DataC70 sheet)

Important Note:

NSS/Ch70 values are reported in **absolute dollars**, NOT per-pupil. Unlike PPE (which divides by in-district FTE), NSS/Ch70 values represent total district funding amounts.

Stacked Components (bottom to top in plots):

1. **Ch70 Aid (\$):** c70aid
 - Green bar in plots • State funding received by district
2. **Req NSS (adj) (\$):** max(0, rqnss2 – c70aid)
 - Amber bar in plots • Required local contribution (after subtracting Ch70)
 - Uses max(0, ...) to handle rare cases where Ch70 > Required NSS
3. **Actual NSS (adj) (\$):** actualNSS – rqnss2
 - Purple bar in plots • Spending above minimum requirement
 - Represents discretionary local spending beyond state mandates

Total NSS (\$): Sum of all three components = actualNSS

Example Calculation (Amherst, FY2024):

- Ch70 Aid: \$6,791,000
- Required NSS: \$18,859,000; Req NSS (adj): \$18,859,000 – \$6,791,000 = \$12,068,000
- Actual NSS: \$31,511,000; Actual NSS (adj): \$31,511,000 – \$18,859,000 = \$12,652,000
- Total NSS: \$6,791,000 + \$12,068,000 + \$12,652,000 = \$31,511,000

Aggregate Calculation:

For aggregate enrollment groups (Small, Medium, Large, Springfield), sum dollar amounts across all member districts by year:

- Ch70 Aid (\$) = $\Sigma(\text{District_Ch70})$
- Same calculation method for Req NSS (adj) and Actual NSS (adj)

Shading:

NSS/Ch70 comparison tables use the same orange/blue shading logic as PPE tables (2% dollar threshold, 2pp CAGR threshold).