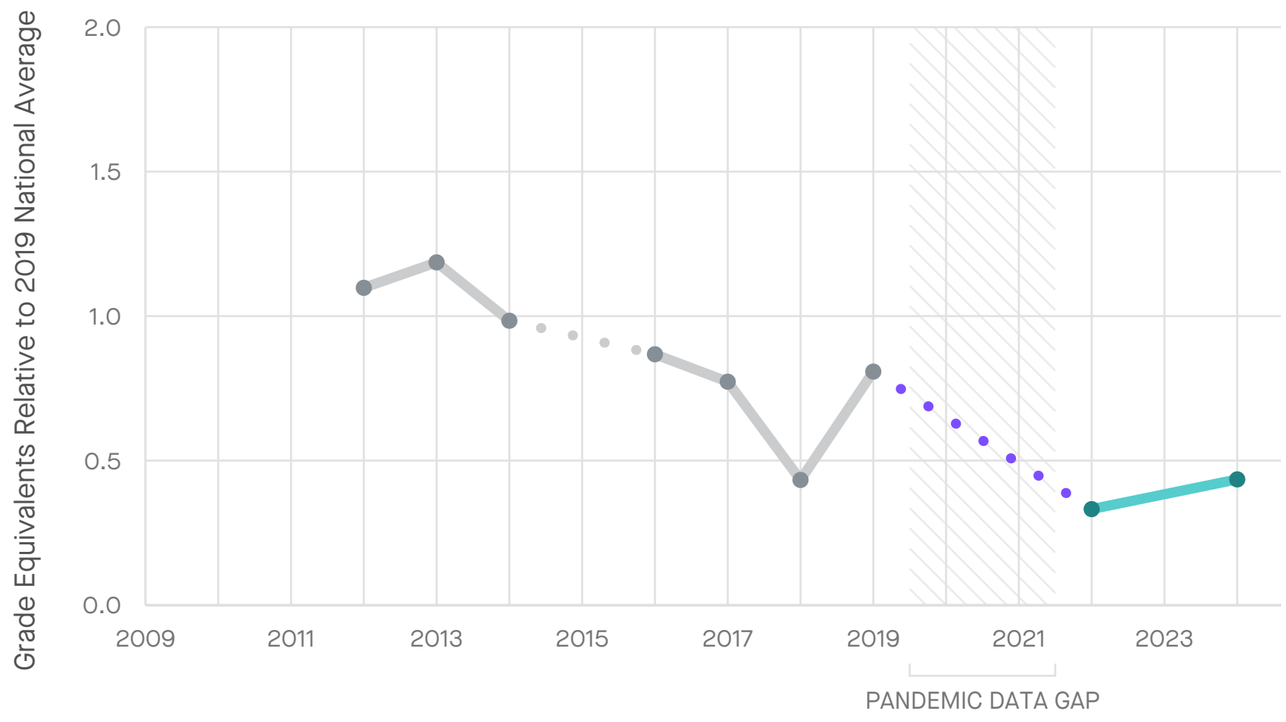
Ayer Shirley School District, MA

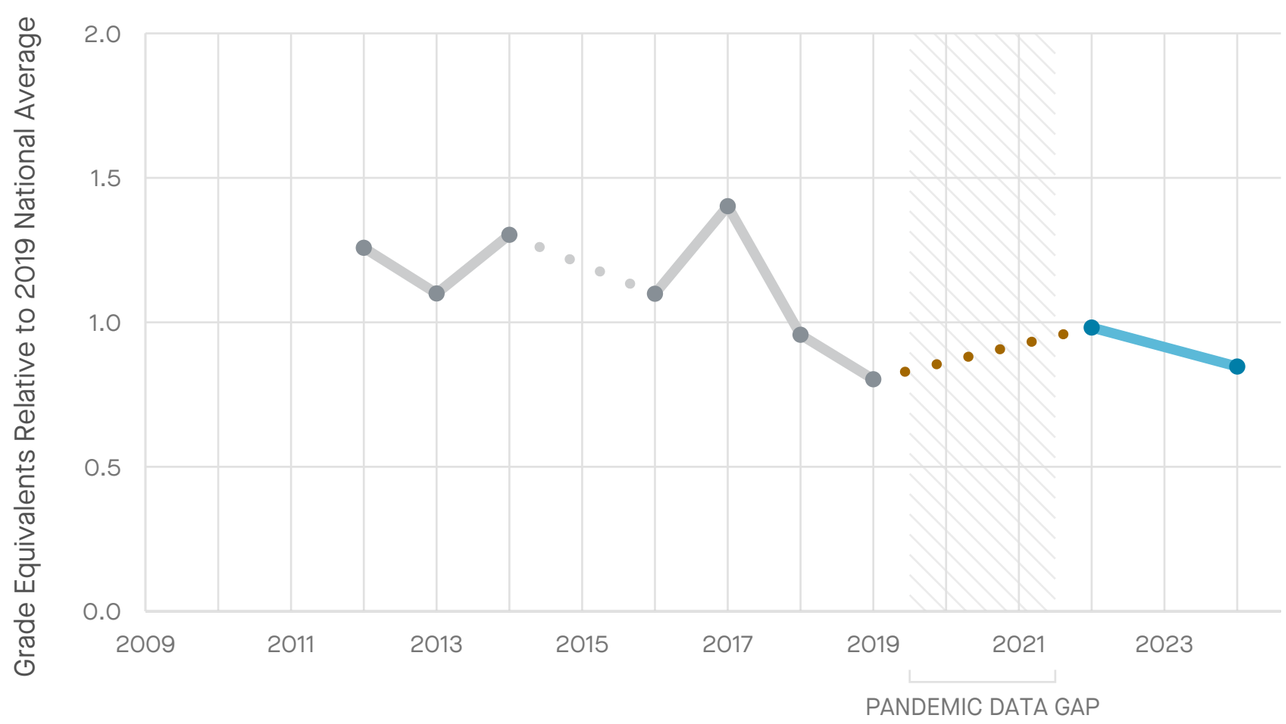
Math Performance, Grades 3-8, 2009-2024



Average Math Scores and Trends in Scores
in Grade Level Equivalents Relative to the 2019 National Average

2019 Average	0.81
2022 Average	0.33
2024 Average	0.43
2019-2022 Change	-0.48
2022-2024 Change	+0.10
Since 2019	-0.37

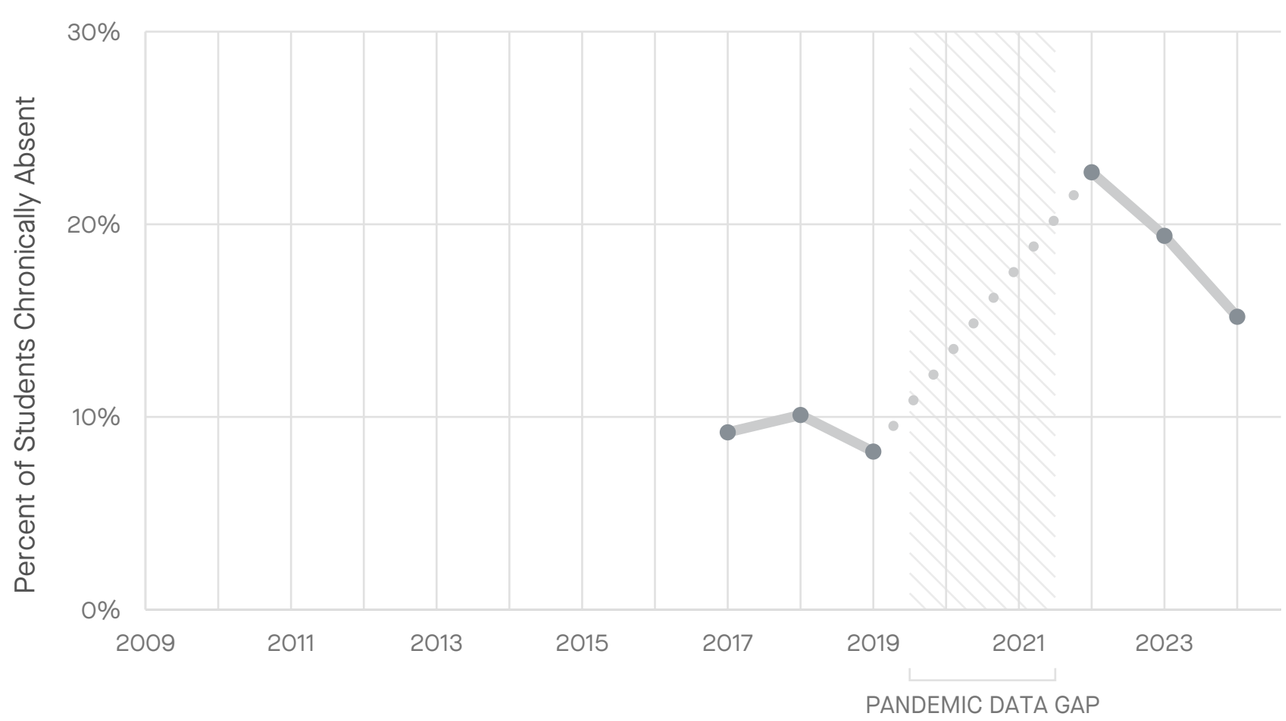
Reading Performance, Grades 3-8, 2009-2024



Average Reading Scores and Trends in Scores
in Grade Level Equivalents Relative to the 2019 National Average

2019 Average	0.80
2022 Average	0.98
2024 Average	0.85
2019-2022 Change	+0.18
2022-2024 Change	-0.14
Since 2019	+0.04

Absenteeism, Grades 3-8, 2009-2024



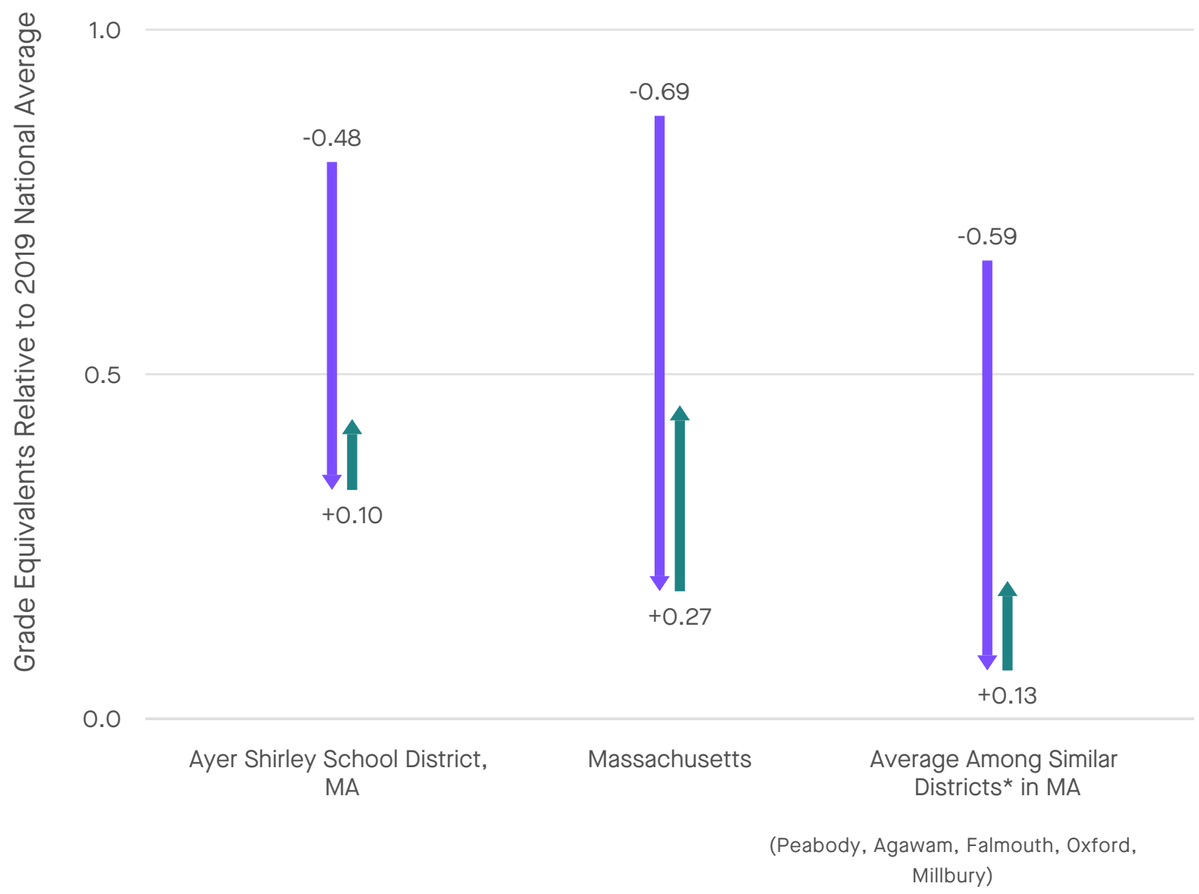
Absenteeism

2019-2023 Change	+0.11
Since 2009	N/A

Absenteeism data courtesy of Nat Malkus, American Enterprise Institute

Ayer Shirley School District, MA

Math Performance in Ayer Shirley School District vs. Massachusetts and Similar Districts, Grades 3-8, 2019-2024



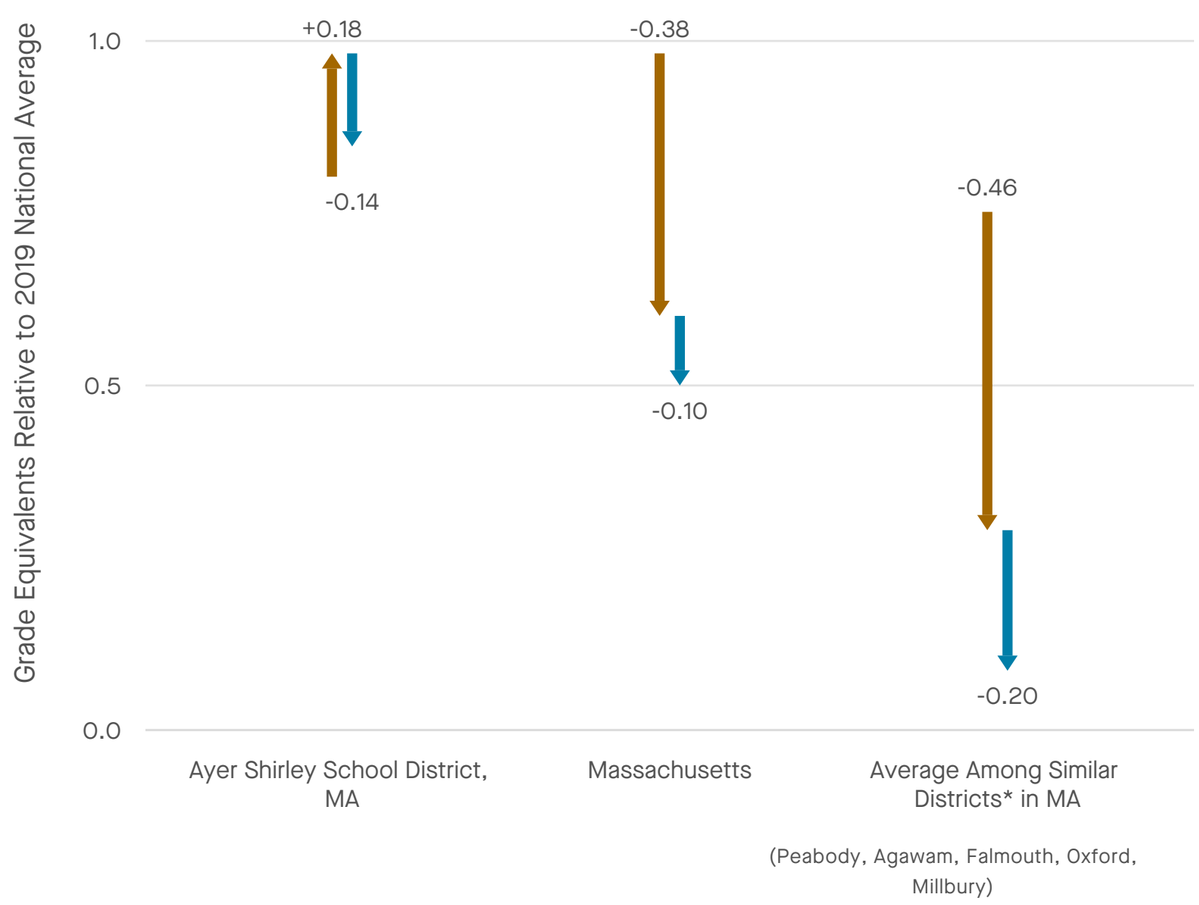
Average Math Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

	2019 Average	2022 Average	2024 Average	2019-22 Change	2022-24 Change	2019-24 Change
Ayer Shirley School District, MA	0.81	0.33	0.43	↓ -0.48	↑ 0.10	↓ -0.37
Massachusetts	0.88	0.18	0.46	↓ -0.69	↑ 0.27	↓ -0.42
Similar Districts* in Massachusetts	0.67	0.07	0.20	↓ -0.59	↑ 0.13	↓ -0.47

*Comparison districts are the nearest matches within the same state based on socioeconomic status, demographics, and size.

Reading Performance in Ayer Shirley School District vs. Massachusetts and Similar Districts, Grades 3-8, 2019-2024



Average Reading Scores and Trends in Scores

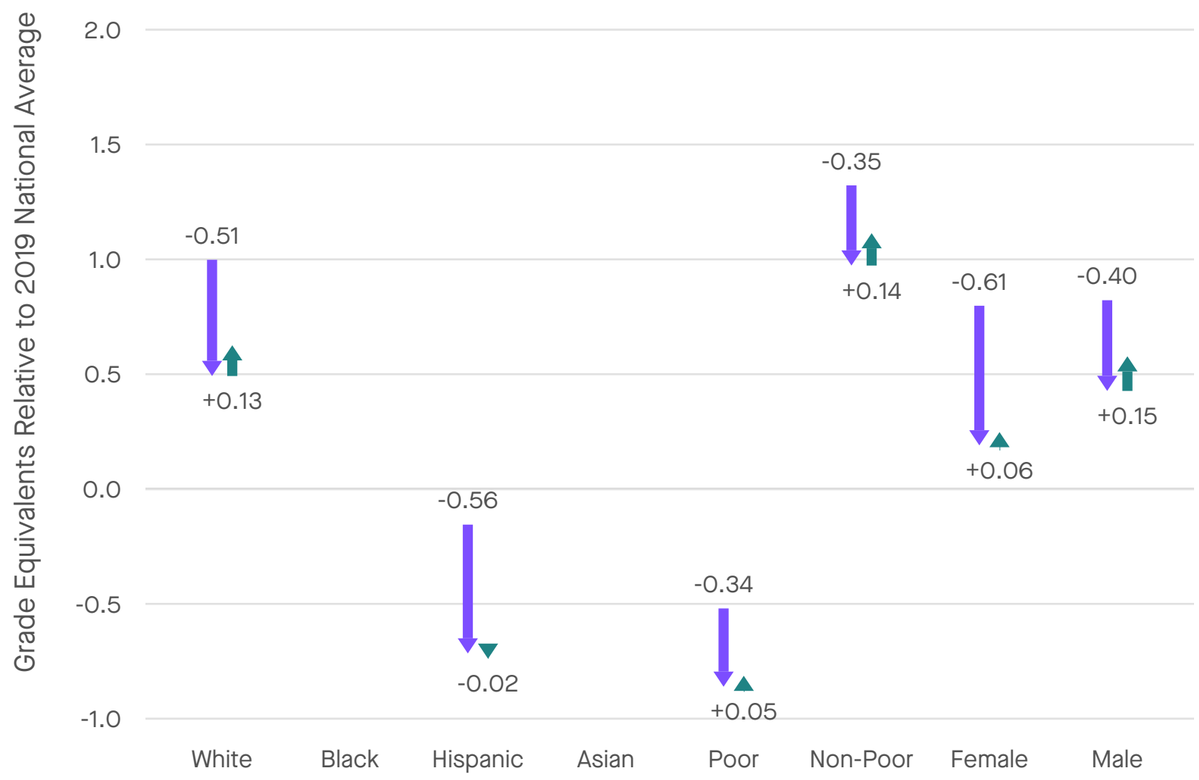
in Grade Level Equivalents Relative to the 2019 National Average

	2019 Average	2022 Average	2024 Average	2019-22 Change	2022-24 Change	2019-24 Change
Ayer Shirley School District, MA	0.80	0.98	0.85	↑ 0.18	↓ -0.14	↑ 0.04
Massachusetts	0.98	0.60	0.50	↓ -0.38	↓ -0.10	↓ -0.48
Similar Districts* in Massachusetts	0.75	0.29	0.09	↓ -0.46	↓ -0.20	↓ -0.67

*Comparison districts are the nearest matches within the same state based on socioeconomic status, demographics, and size.

Ayer Shirley School District, MA

Math Performance by Subgroup, Grades 3-8, 2019-2024

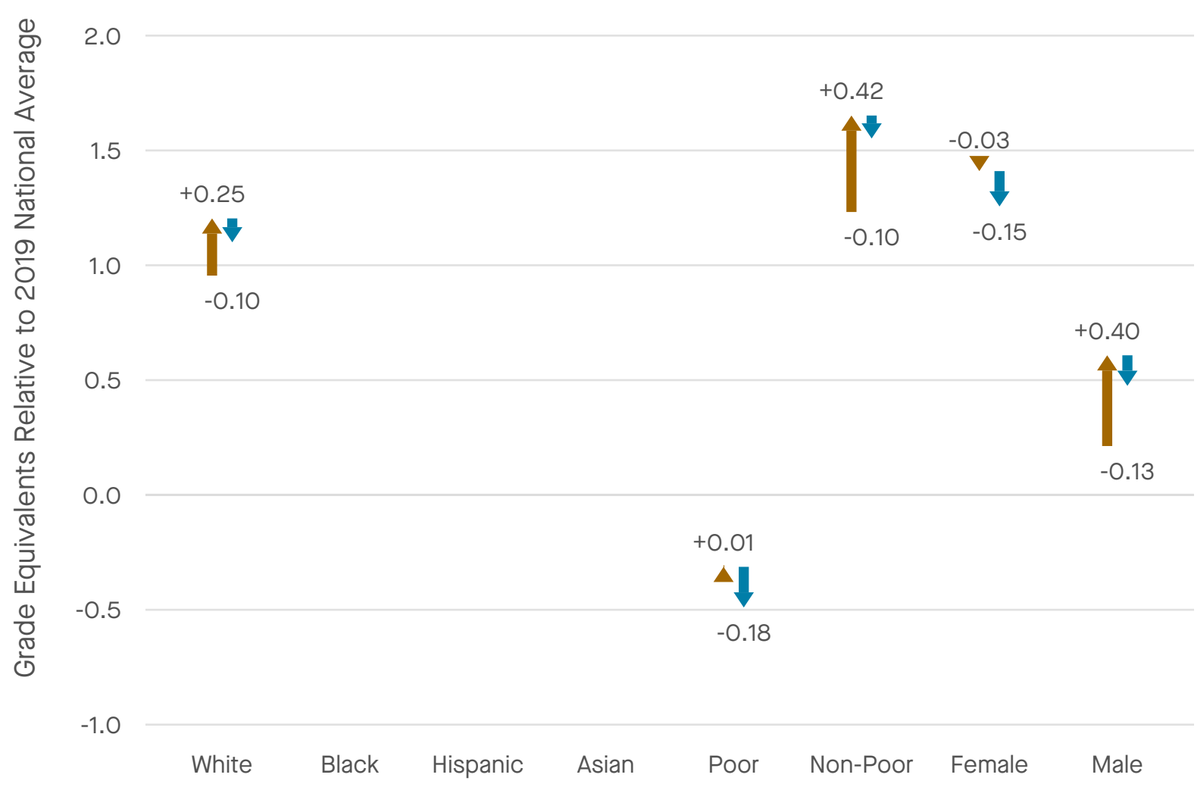


Average Math Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

	2019 Average	2022 Average	2024 Average	2019-22 Change	2022-24 Change	2019-24 Change
White	1.00	0.49	0.63	↓ -0.51	↑ 0.13	↓ -0.37
Black	N/A	N/A	N/A	N/A	N/A	N/A
Hispanic	-0.15	-0.72	-0.74	↓ -0.56	↓ -0.02	↓ -0.58
Asian	N/A	N/A	N/A	N/A	N/A	N/A
Poor	-0.52	-0.86	-0.81	↓ -0.34	↑ 0.05	↓ -0.29
Non-Poor	1.32	0.97	1.11	↓ -0.35	↑ 0.14	↓ -0.21
Female	0.80	0.19	0.25	↓ -0.61	↑ 0.06	↓ -0.55
Male	0.82	0.43	0.58	↓ -0.40	↑ 0.15	↓ -0.24

Reading Performance by Subgroup, Grades 3-8, 2019-2024



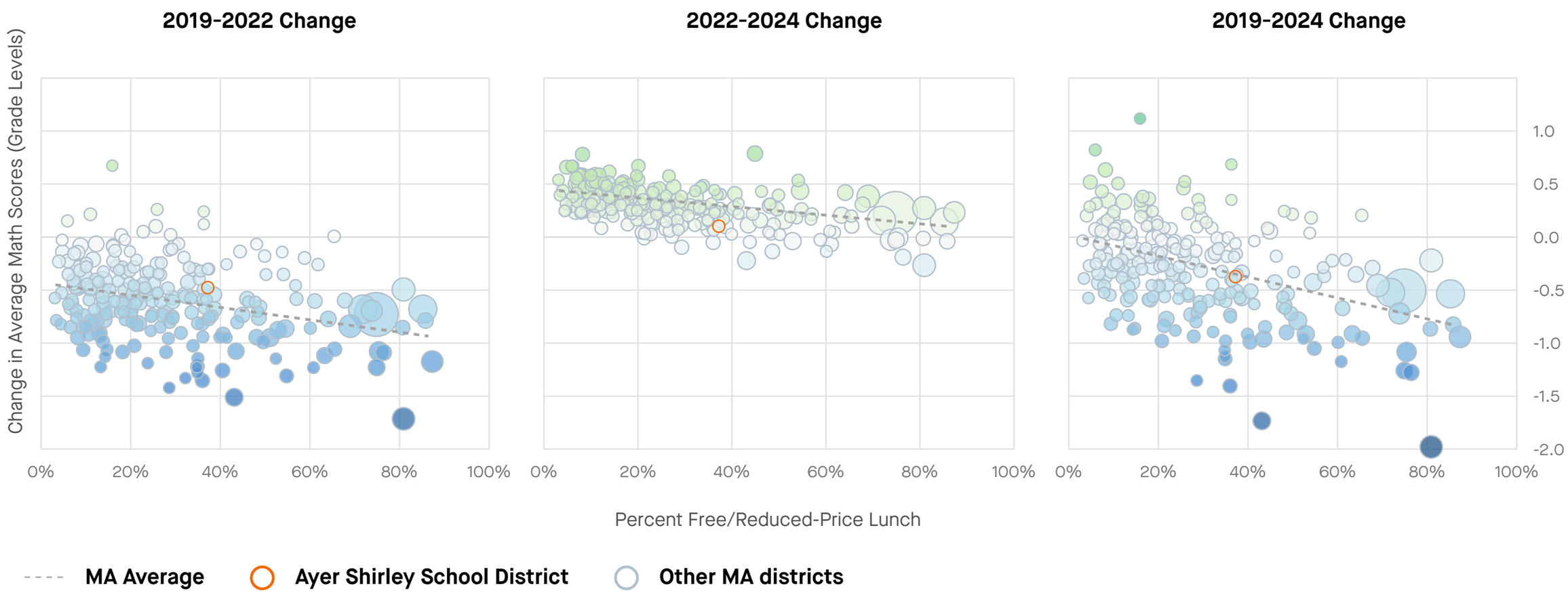
Average Reading Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

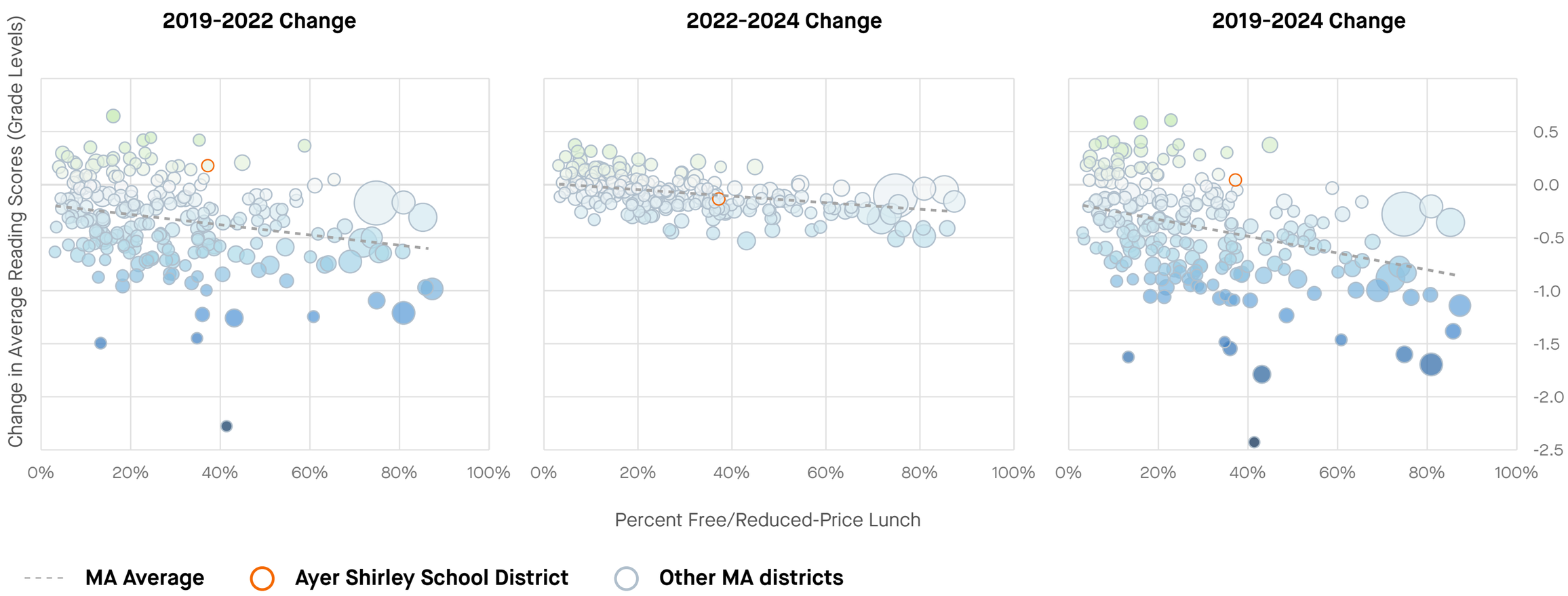
	2019 Average	2022 Average	2024 Average	2019-22 Change	2022-24 Change	2019-24 Change
White	0.95	1.20	1.10	↑ 0.25	↓ -0.10	↑ 0.14
Black	N/A	N/A	N/A	N/A	N/A	N/A
Hispanic	N/A	N/A	N/A	N/A	N/A	N/A
Asian	N/A	N/A	N/A	N/A	N/A	N/A
Poor	-0.33	-0.31	-0.49	↑ 0.01	↓ -0.18	↓ -0.16
Non-Poor	1.23	1.65	1.55	↑ 0.42	↓ -0.10	↑ 0.32
Female	1.44	1.41	1.26	↓ -0.03	↓ -0.15	↓ -0.18
Male	0.21	0.61	0.47	↑ 0.40	↓ -0.13	↑ 0.26

Ayer Shirley School District, MA

Change in Math Performance in Massachusetts Districts vs. Percent Free/Reduced-Price Lunch, Grades 3-8, 2019-2024

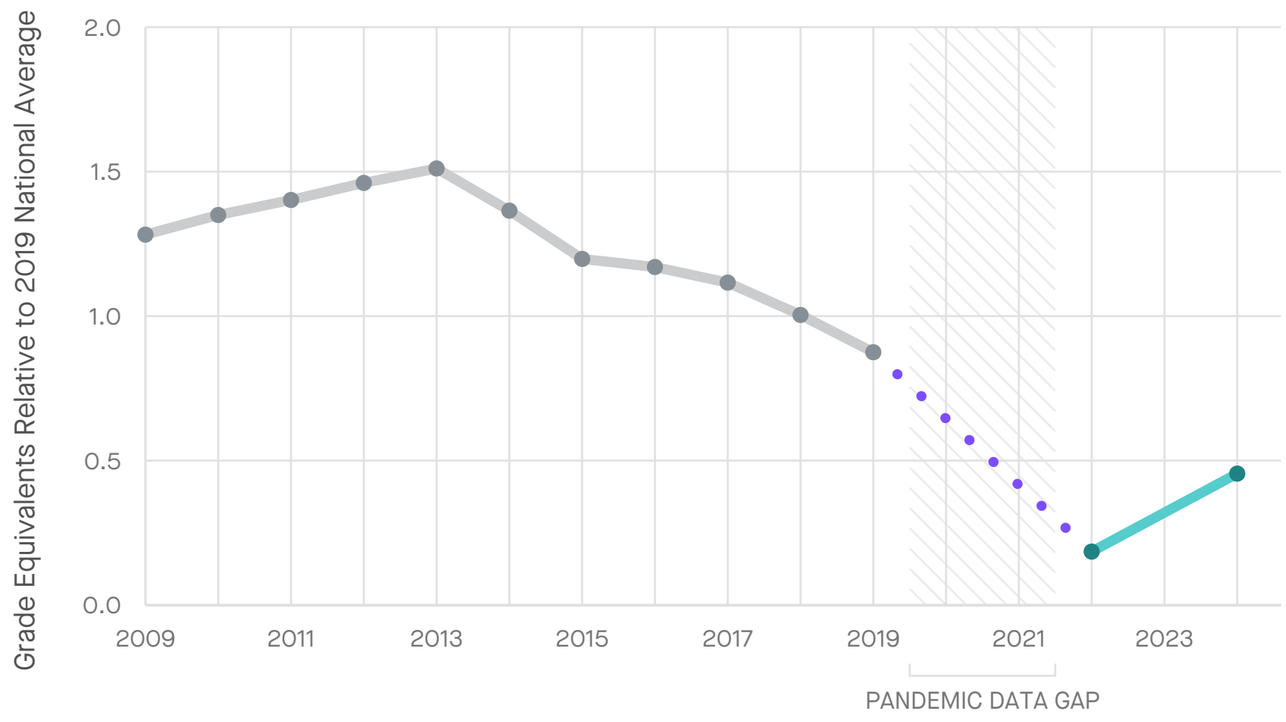


Change in Reading Performance in Massachusetts Districts vs. Percent Free/Reduced-Price Lunch, Grades 3-8, 2019-2024



Massachusetts

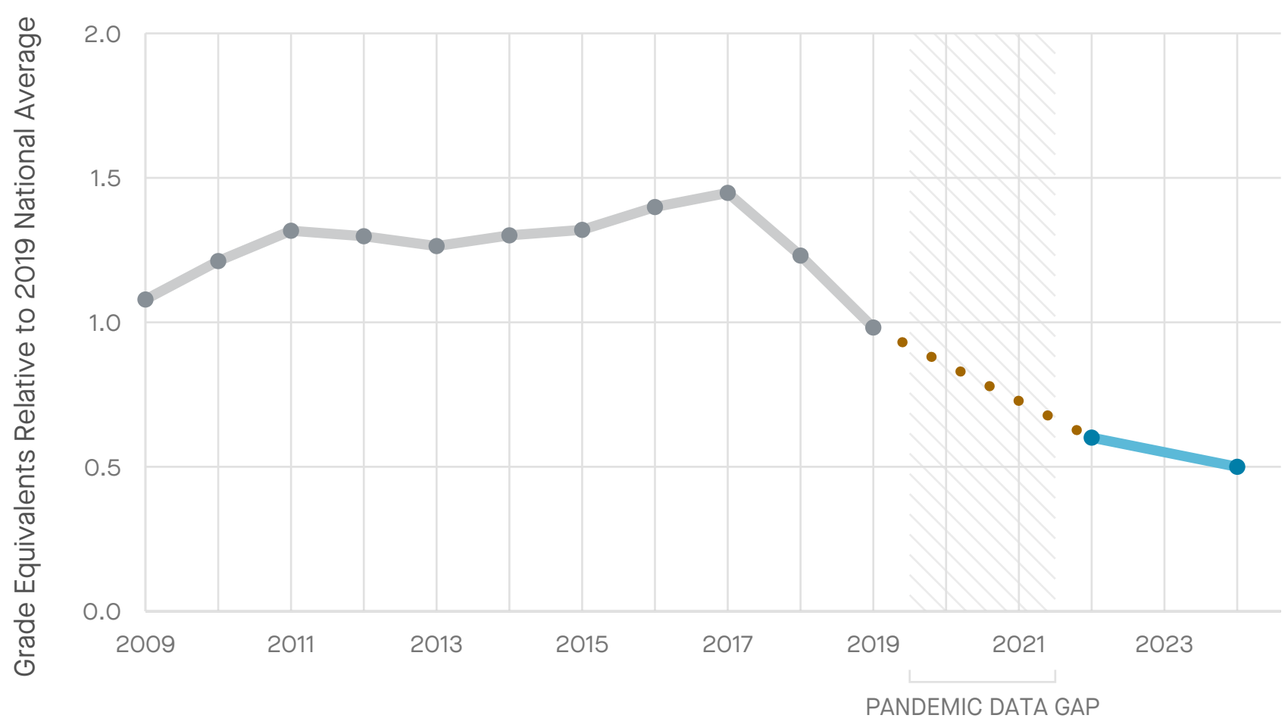
Math Performance, Grades 3-8, 2009-2024



Average Math Scores and Trends in Scores
in Grade Level Equivalents Relative to the 2019 National Average

2019 Average	0.88
2022 Average	0.18
2024 Average	0.46
2019-2022 Change	-0.69
2022-2024 Change	+0.27
Since 2019	-0.42

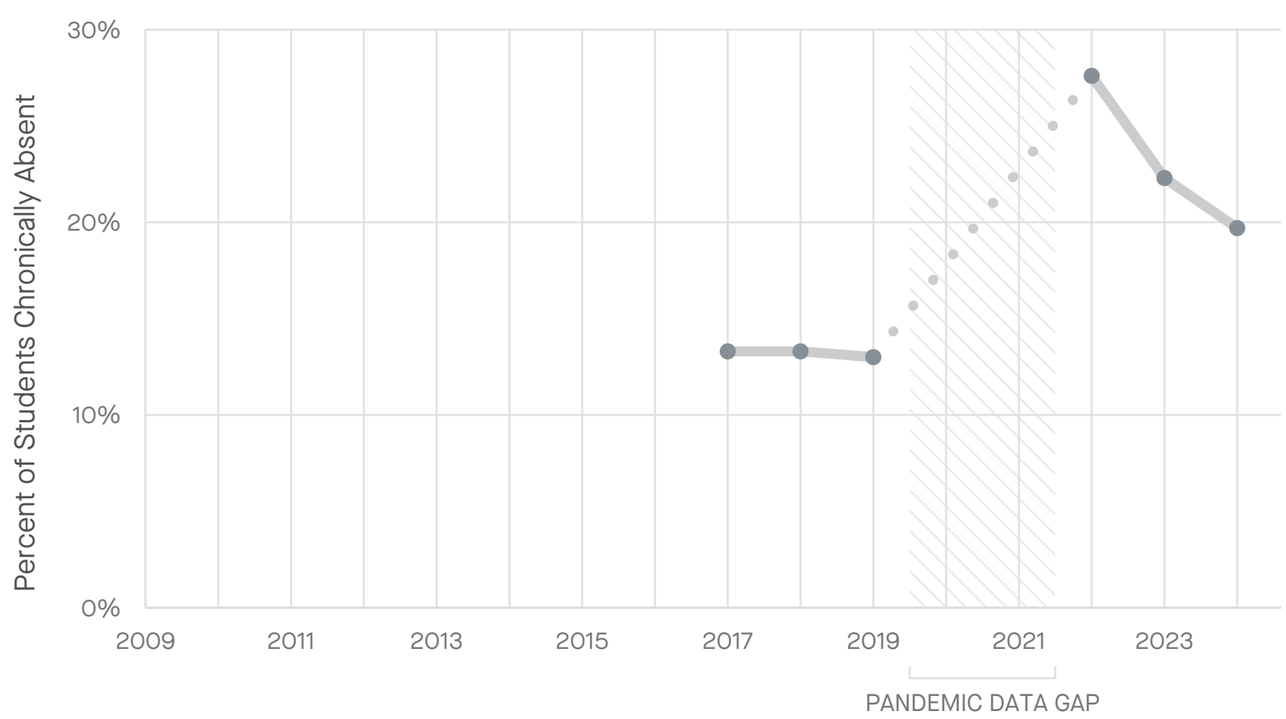
Reading Performance, Grades 3-8, 2009-2024



Average Reading Scores and Trends in Scores
in Grade Level Equivalents Relative to the 2019 National Average

2019 Average	0.98
2022 Average	0.60
2024 Average	0.50
2019-2022 Change	-0.38
2022-2024 Change	-0.10
Since 2019	-0.48

Absenteeism, Grades 3-8, 2009-2024



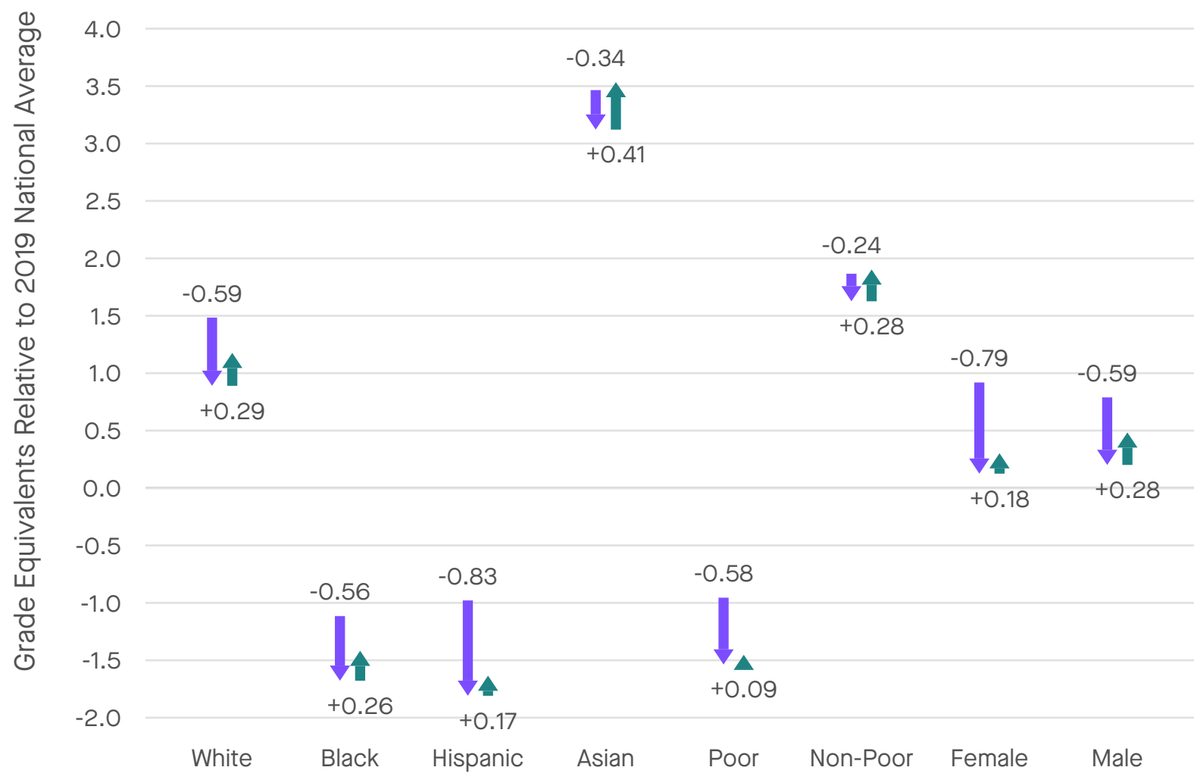
Absenteeism

2019-2023 Change	+0.09
Since 2009	N/A

Absenteeism data courtesy of Nat Malkus, American Enterprise Institute

Massachusetts

Math Performance by Subgroup, Grades 3-8, 2019-2024

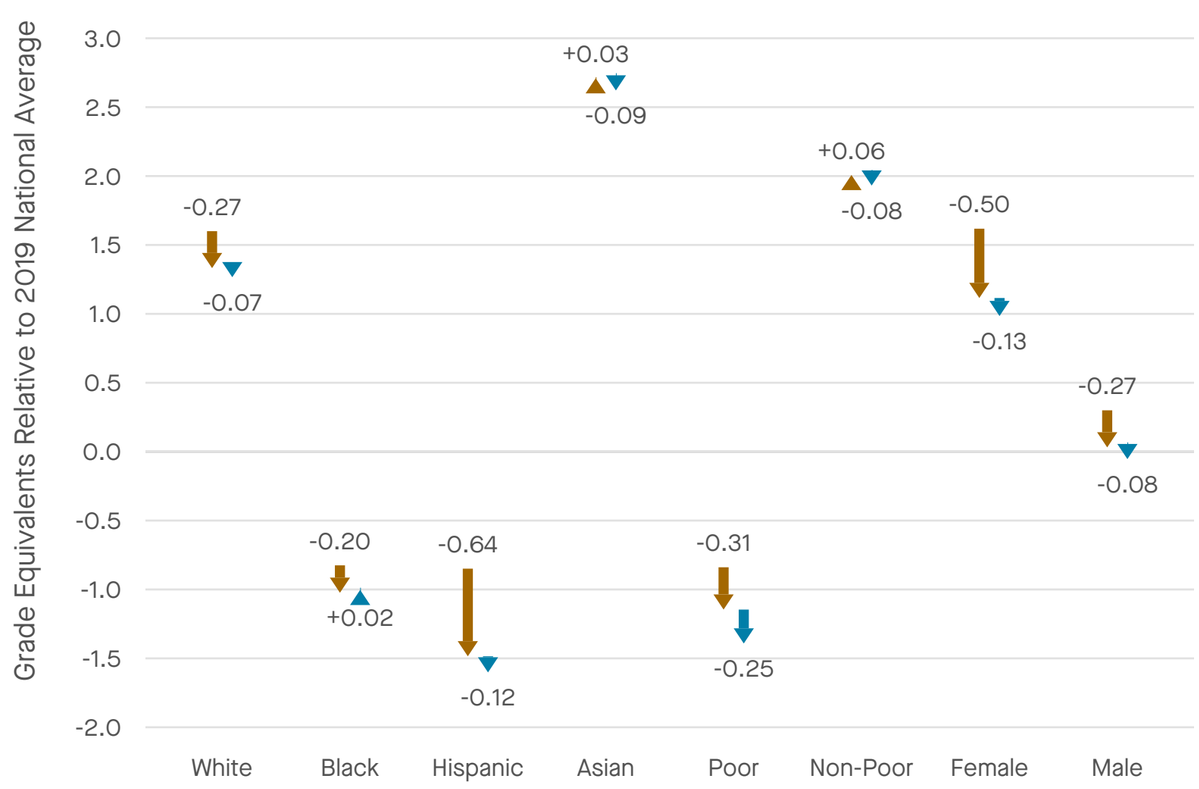


Average Math Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

	2019 Average	2022 Average	2024 Average	2019-22 Change	2022-24 Change	2019-24 Change
White	1.48	0.89	1.18	↓ -0.59	↑ 0.29	↓ -0.31
Black	-1.11	-1.68	-1.42	↓ -0.56	↑ 0.26	↓ -0.30
Hispanic	-0.98	-1.81	-1.63	↓ -0.83	↑ 0.17	↓ -0.66
Asian	3.46	3.12	3.54	↓ -0.34	↑ 0.41	↑ 0.07
Poor	-0.95	-1.54	-1.45	↓ -0.58	↑ 0.09	↓ -0.50
Non-Poor	1.87	1.63	1.90	↓ -0.24	↑ 0.28	↑ 0.04
Female	0.92	0.13	0.30	↓ -0.79	↑ 0.18	↓ -0.61
Male	0.79	0.20	0.48	↓ -0.59	↑ 0.28	↓ -0.30

Reading Performance by Subgroup, Grades 3-8, 2019-2024



Average Reading Scores and Trends in Scores

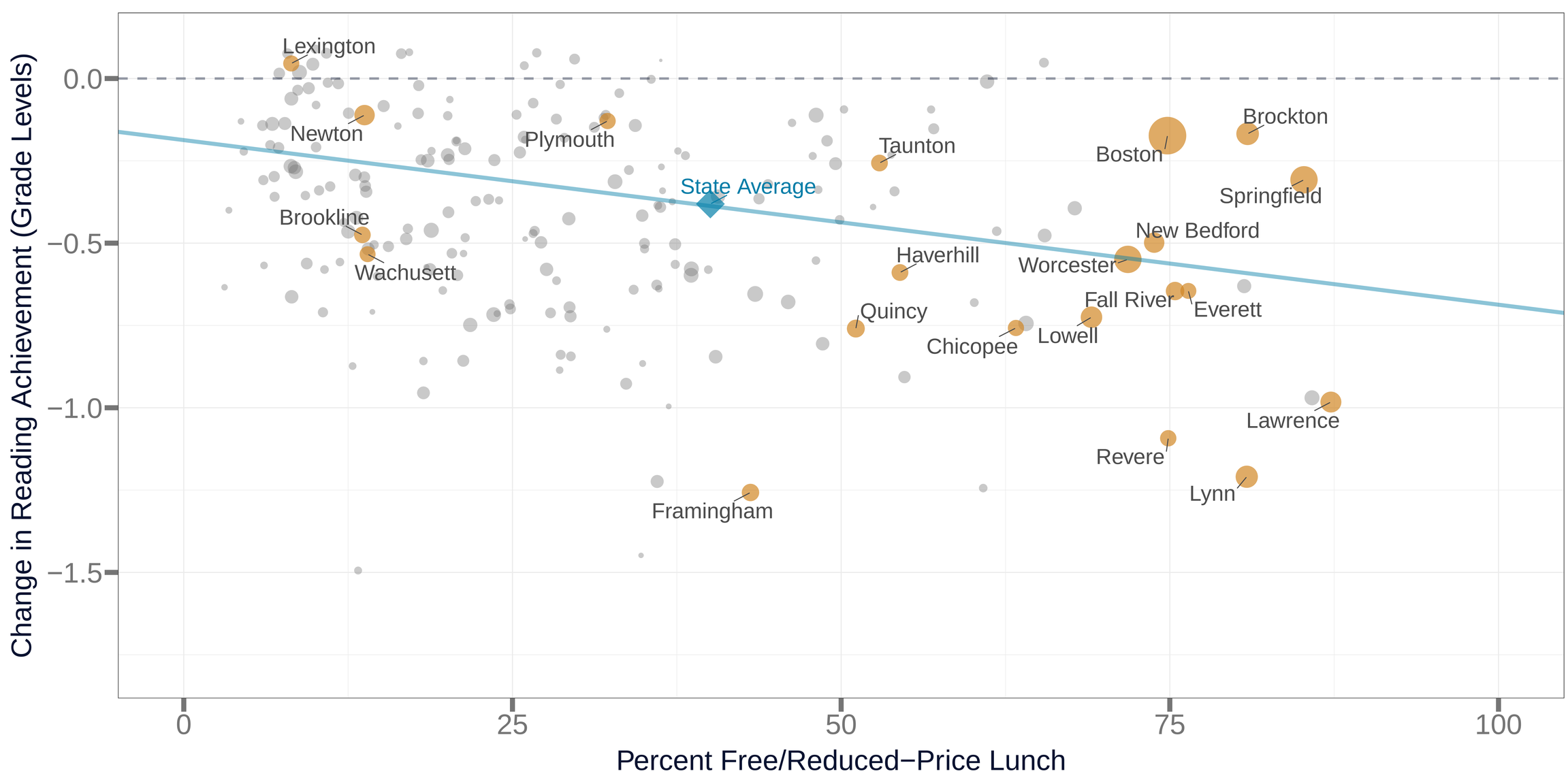
in Grade Level Equivalents Relative to the 2019 National Average

	2019 Average	2022 Average	2024 Average	2019-22 Change	2022-24 Change	2019-24 Change
White	1.60	1.33	1.27	↓ -0.27	↓ -0.07	↓ -0.34
Black	-0.82	-1.02	-1.00	↓ -0.20	↑ 0.02	↓ -0.18
Hispanic	-0.85	-1.49	-1.60	↓ -0.64	↓ -0.12	↓ -0.75
Asian	2.68	2.71	2.62	↑ 0.03	↓ -0.09	↓ -0.06
Poor	-0.84	-1.15	-1.39	↓ -0.31	↓ -0.25	↓ -0.55
Non-Poor	1.95	2.01	1.93	↑ 0.06	↓ -0.08	↓ -0.01
Female	1.62	1.11	0.98	↓ -0.50	↓ -0.13	↓ -0.63
Male	0.30	0.03	-0.05	↓ -0.27	↓ -0.08	↓ -0.35

Change in Math Achievement 2019−2022
by Percent FRPL in Massachusetts Districts

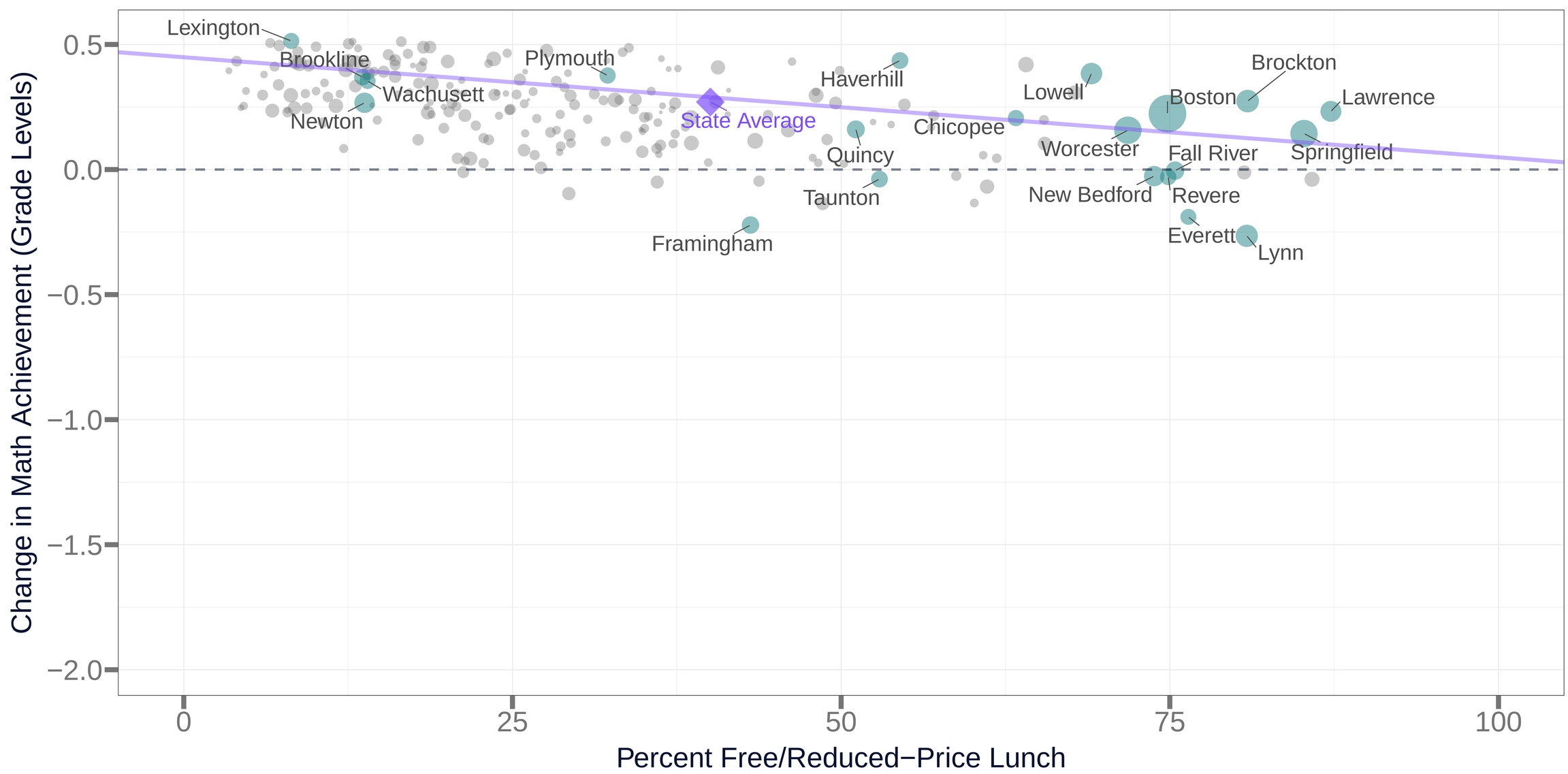
Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA. For details on the methodology see https://edopportunity.org/methods.

Change in Reading Achievement 2019−2022
by Percent FRPL in Massachusetts Districts



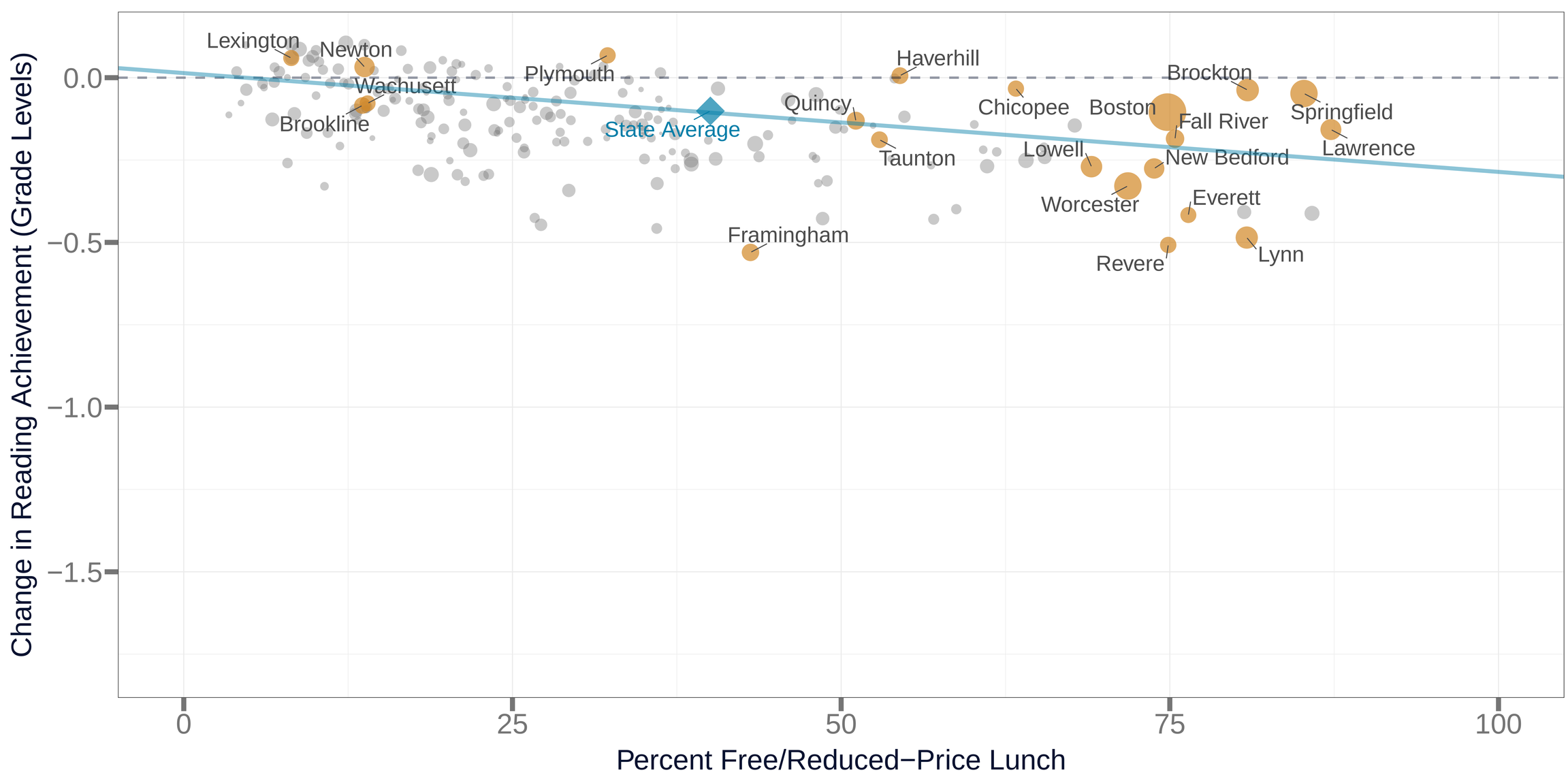
Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA. For details on the methodology see https://edopportunity.org/methods.

Change in Math Achievement 2022−2024
by Percent FRPL in Massachusetts Districts



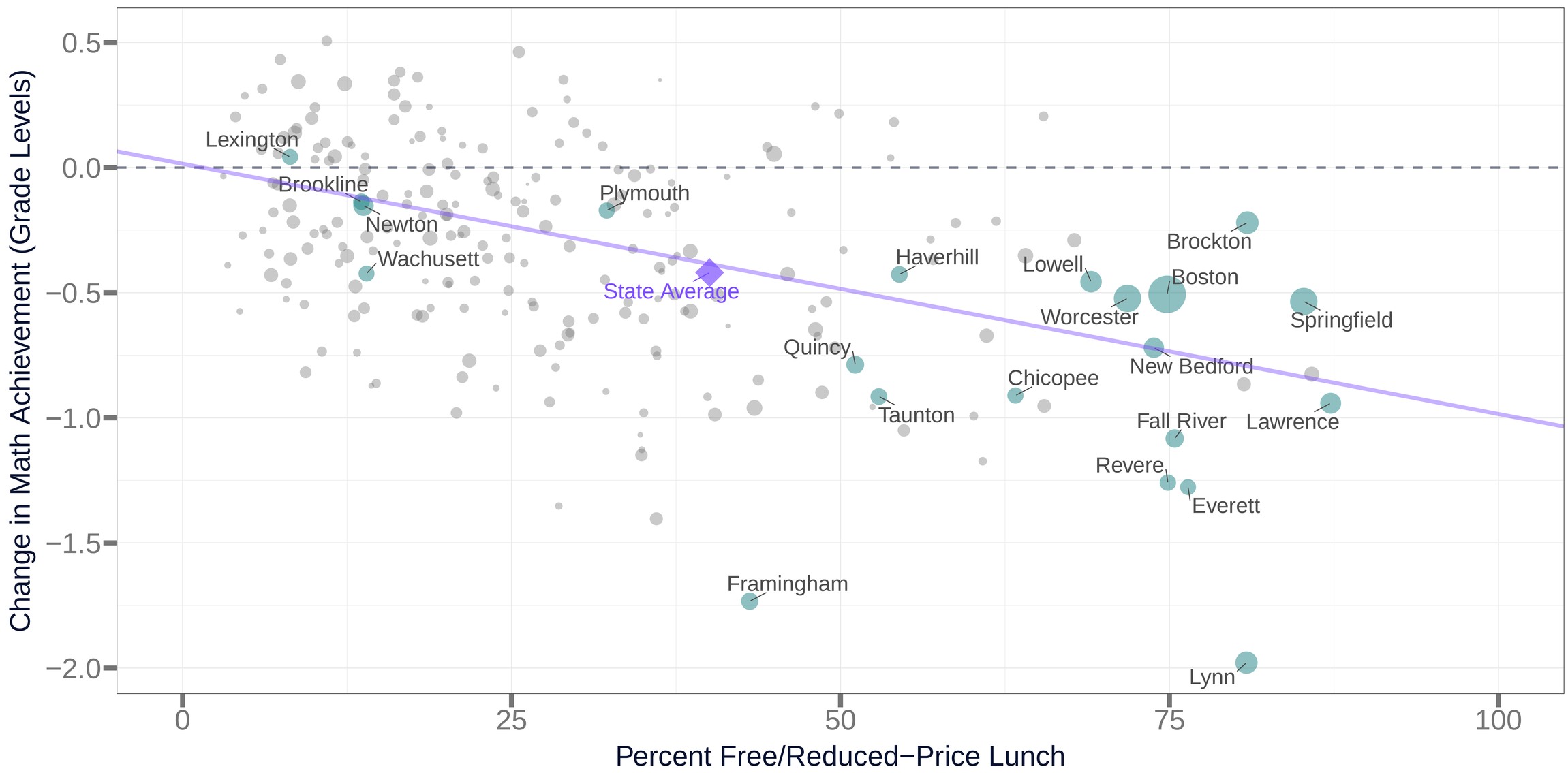
Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA. For details on the methodology see https://edopportunity.org/methods.

Change in Reading Achievement 2022−2024
by Percent FRPL in Massachusetts Districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA. For details on the methodology see https://edopportunity.org/methods.

Change in Math Achievement 2019−2024
by Percent FRPL in Massachusetts Districts



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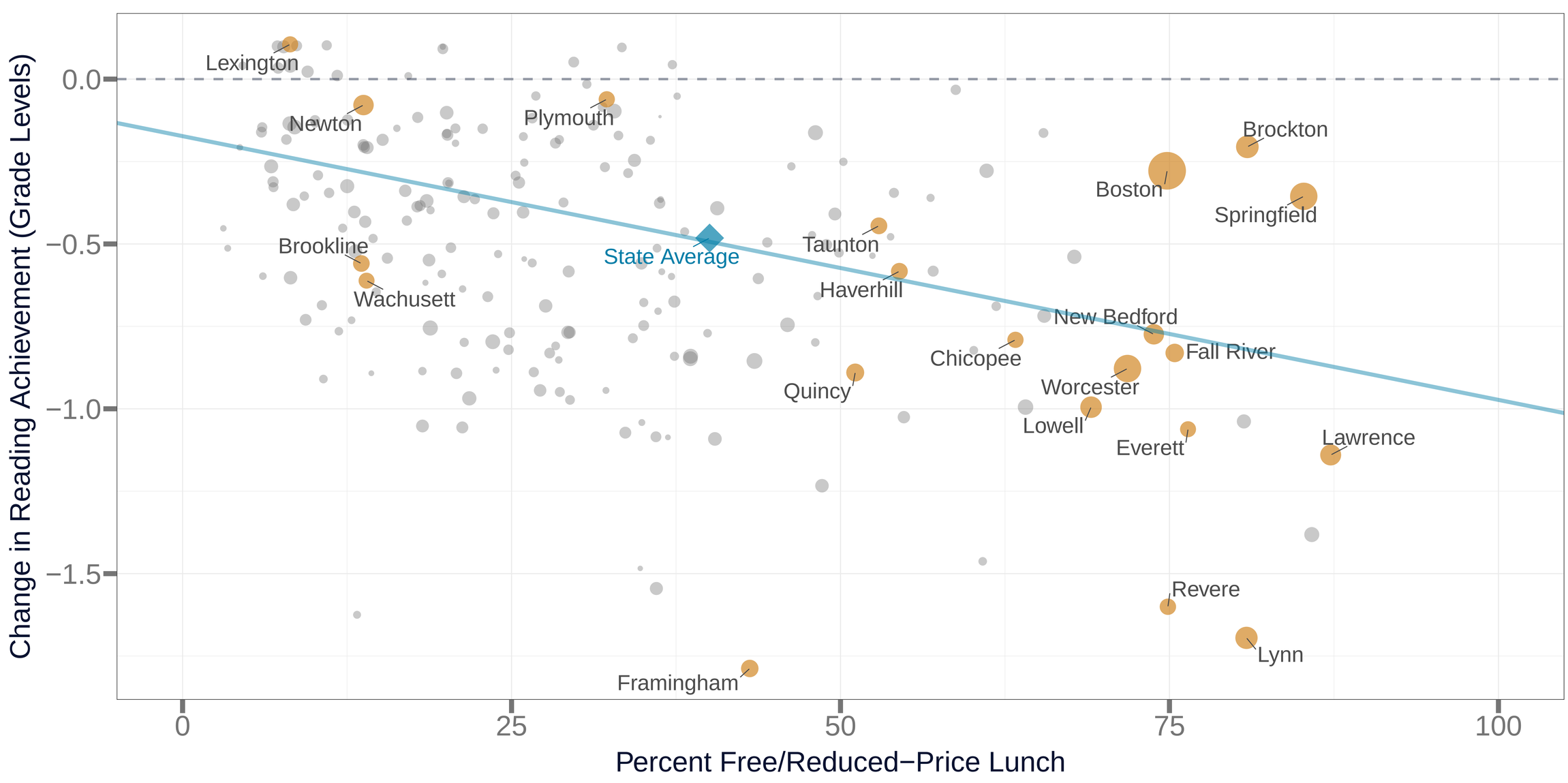
Change in Reading Achievement 2019−2024
by Percent FRPL in Massachusetts Districts



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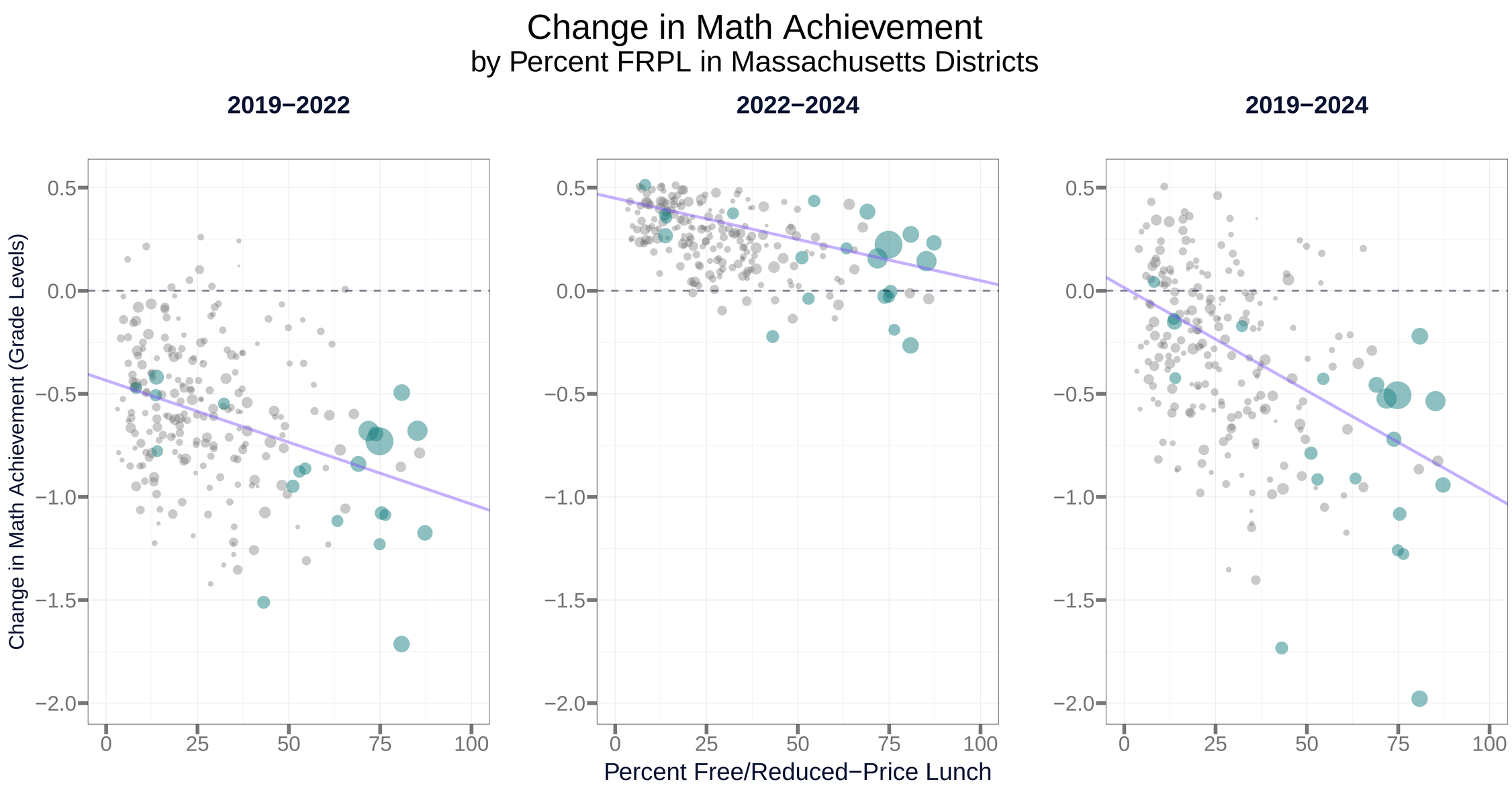

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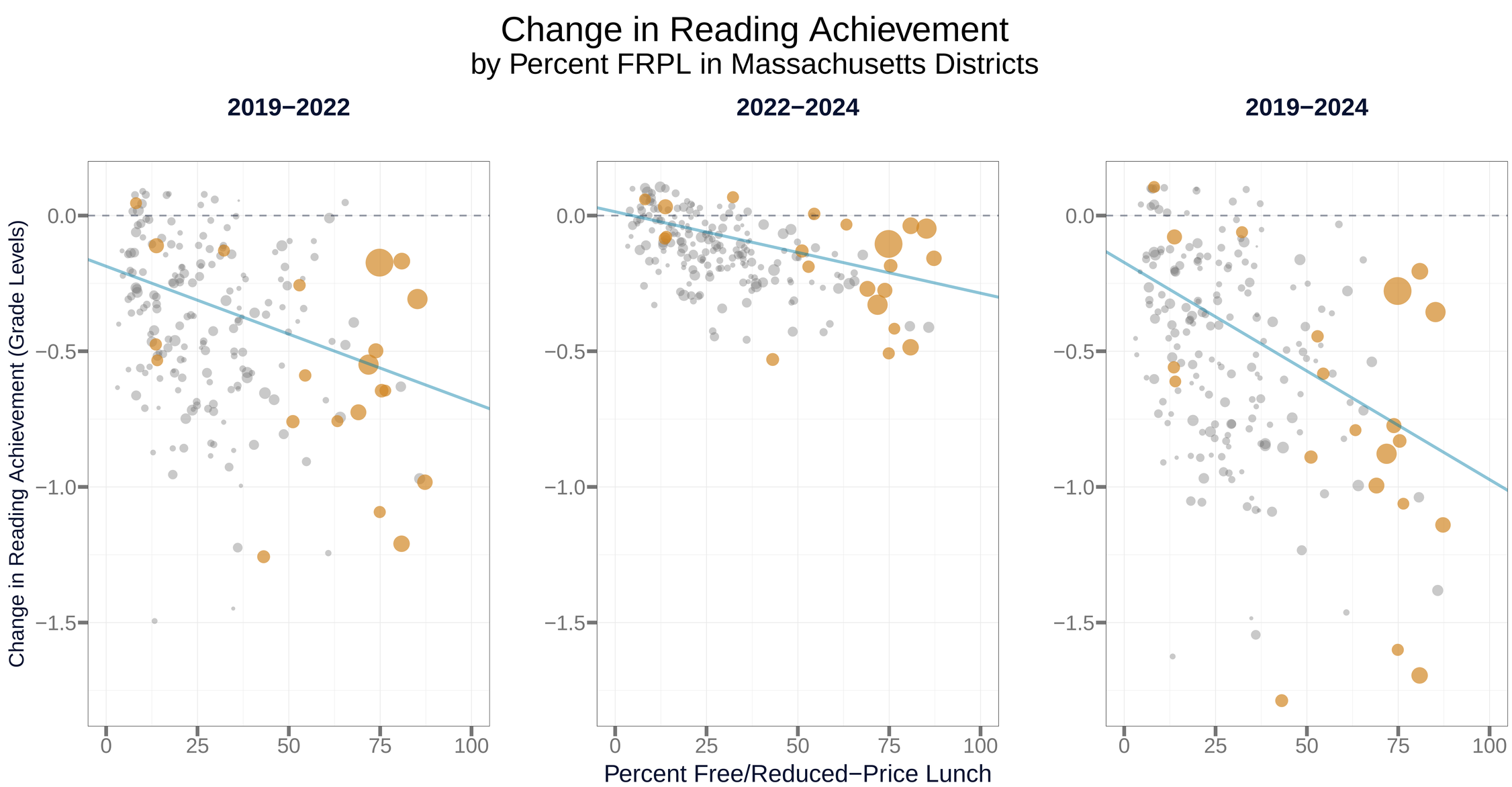

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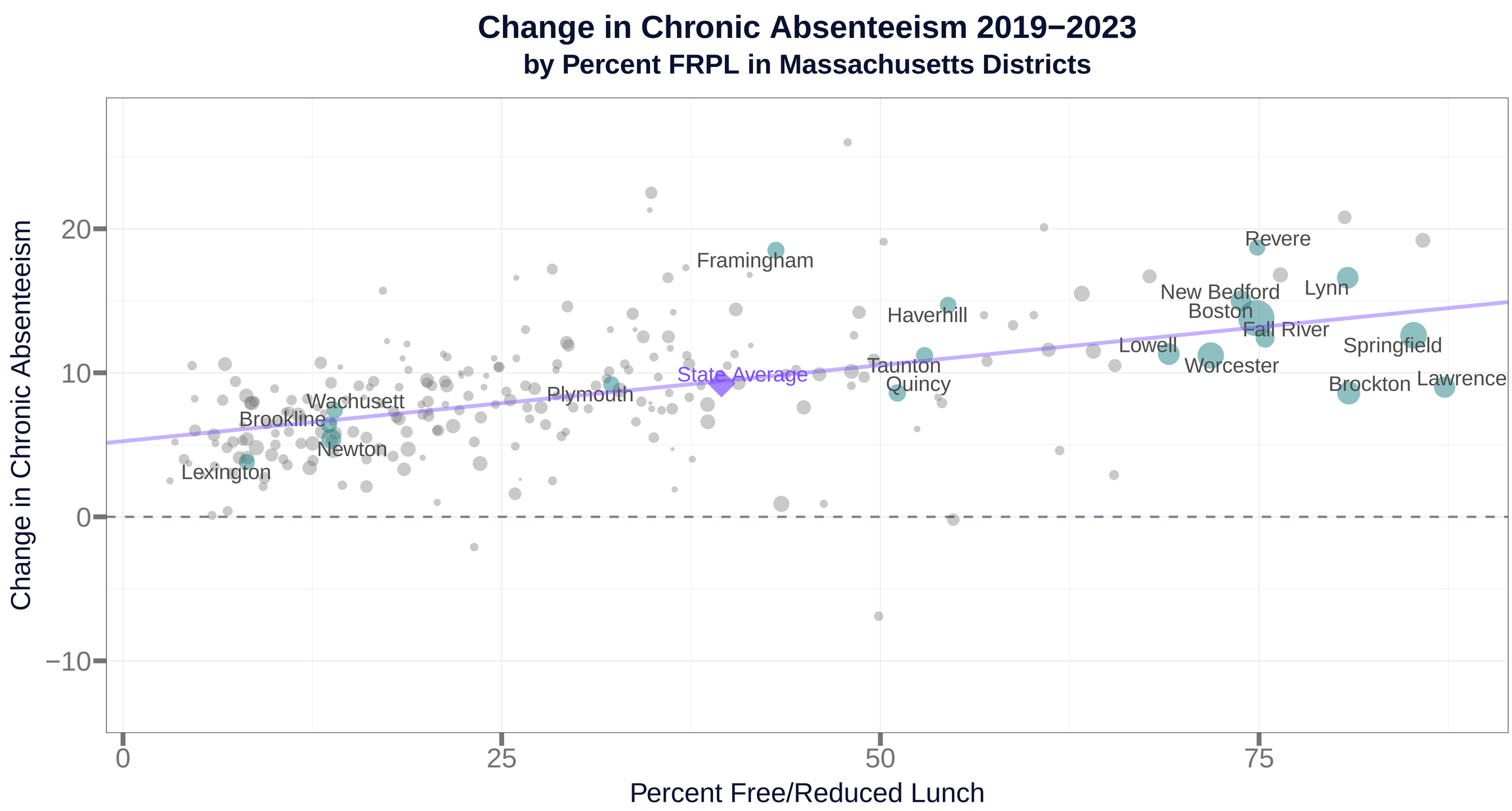

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