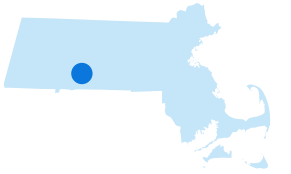
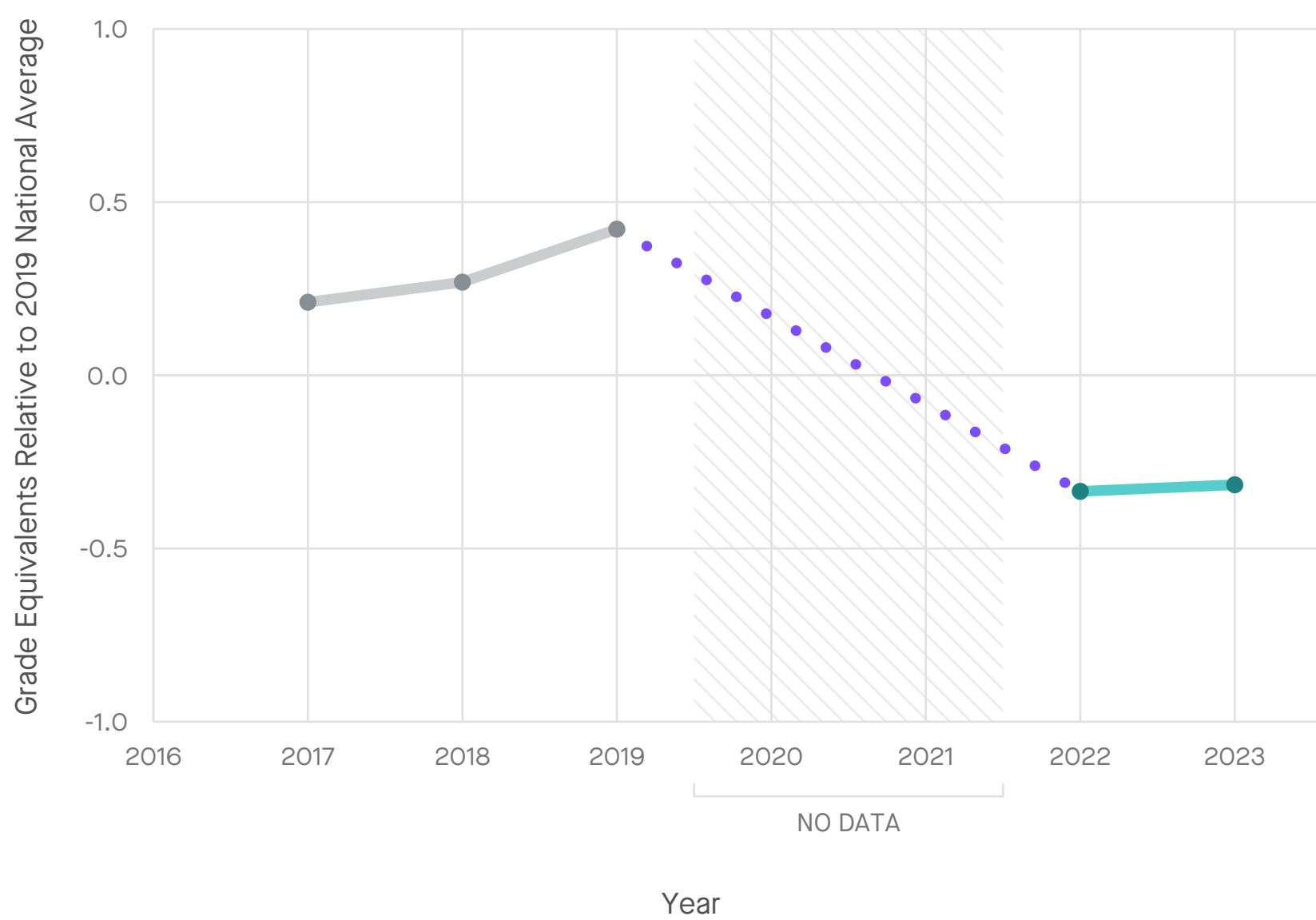


Ludlow, MA



Math Performance, Grades 3-8, 2016-2023

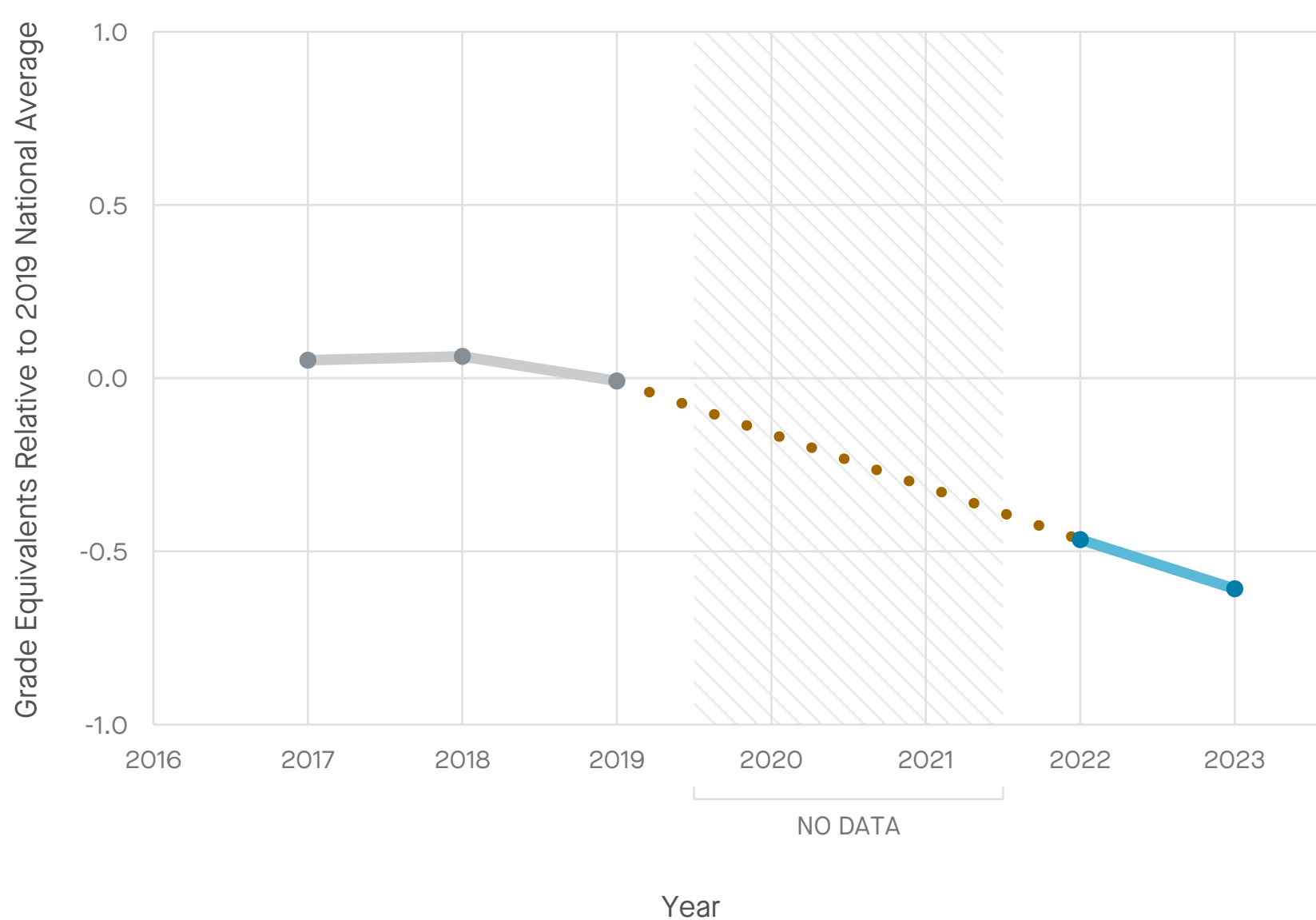


Average Math Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

2019 Average	0.42
2022 Average	-0.34
2023 Average	-0.32
2019-2022 Change	↓ -0.76
2022-2023 Change	↑ +0.02
Since 2019	↓ -0.74

Reading Performance, Grades 3-8, 2016-2023



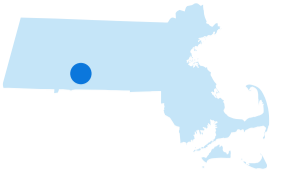
Average Reading Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

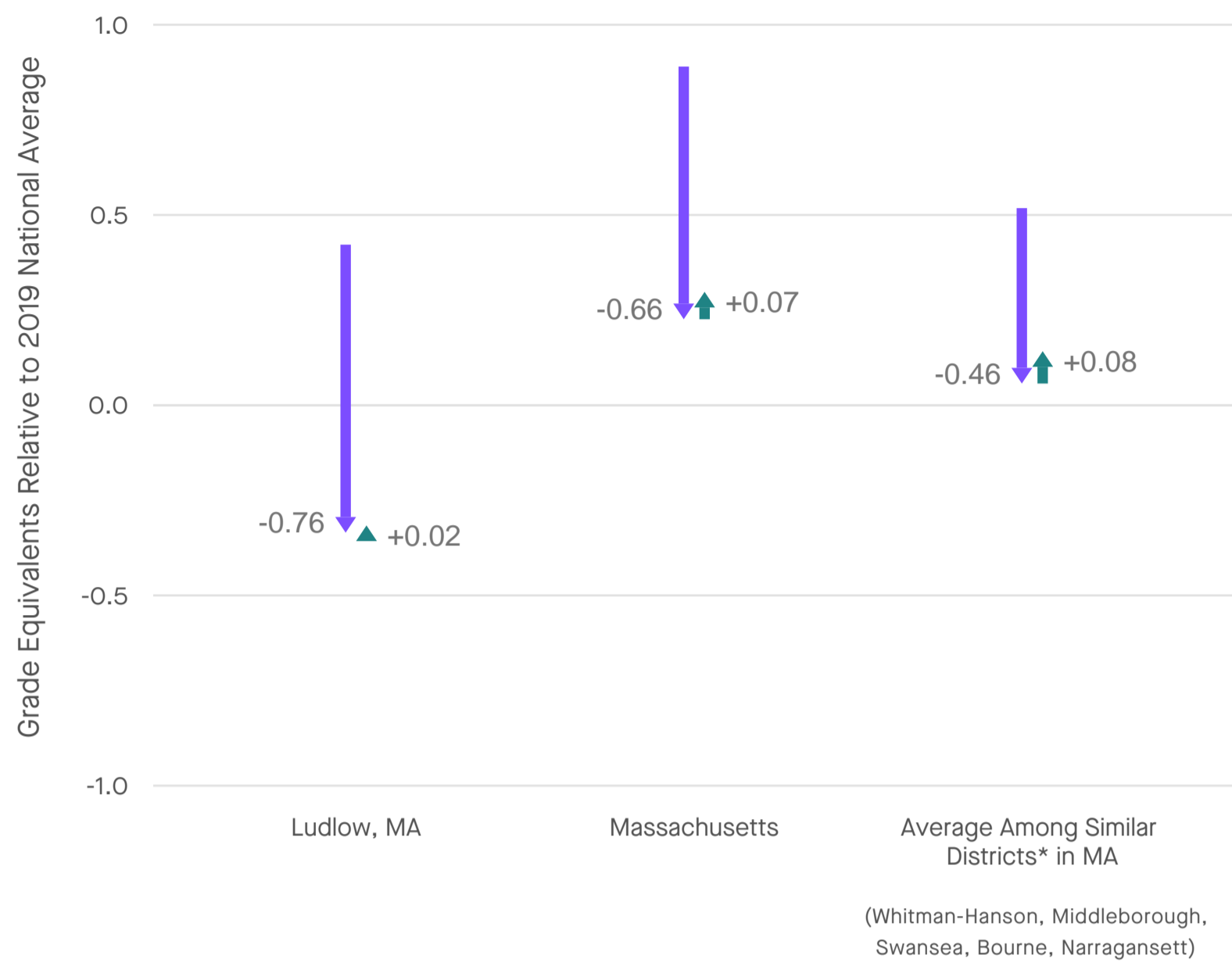
2019 Average	-0.01
2022 Average	-0.47
2023 Average	-0.61
2019-2022 Change	↓ -0.46
2022-2023 Change	↓ -0.14
Since 2019	↓ -0.60



Ludlow, MA



Math Performance in Ludlow vs. Massachusetts and Similar Districts, Grades 3-8, 2019-2023



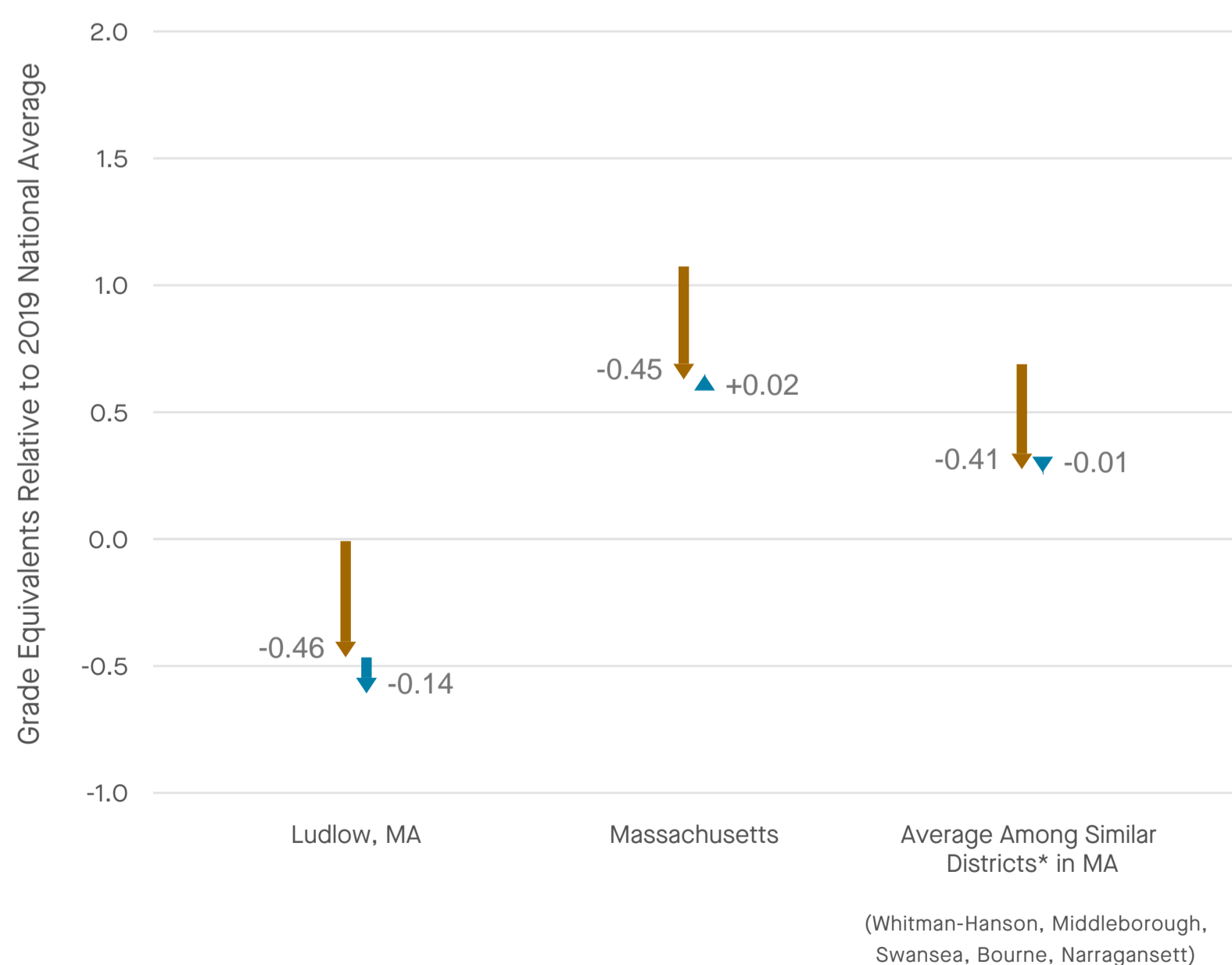
Average Math Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

	Ludlow, MA	Massachusetts	Similar Districts* in Massachusetts
2019 Average	0.42	0.89	0.52
2022 Average	-0.34	0.23	0.06
2023 Average	-0.32	0.30	0.14
2019-2022 Change	↓ -0.76	↓ -0.66	↓ -0.46
2022-2023 Change	↑ +0.02	↑ +0.07	↑ +0.08
2019-2023 Change	↓ -0.74	↓ -0.59	↓ -0.38

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

Reading Performance in Ludlow vs. Massachusetts and Similar Districts, Grades 3-8, 2019-2023



Average Reading Scores and Trends in Scores

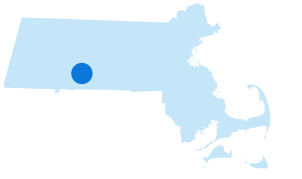
in Grade Level Equivalents Relative to the 2019 National Average

	Ludlow, MA	Massachusetts	Similar Districts* in Massachusetts
2019 Average	-0.01	1.07	0.69
2022 Average	-0.47	0.63	0.28
2023 Average	-0.61	0.65	0.26
2019-2022 Change	↓ -0.46	↓ -0.45	↓ -0.41
2022-2023 Change	↓ -0.14	↑ +0.02	↓ -0.01
2019-2023 Change	↓ -0.60	↓ -0.43	↓ -0.43

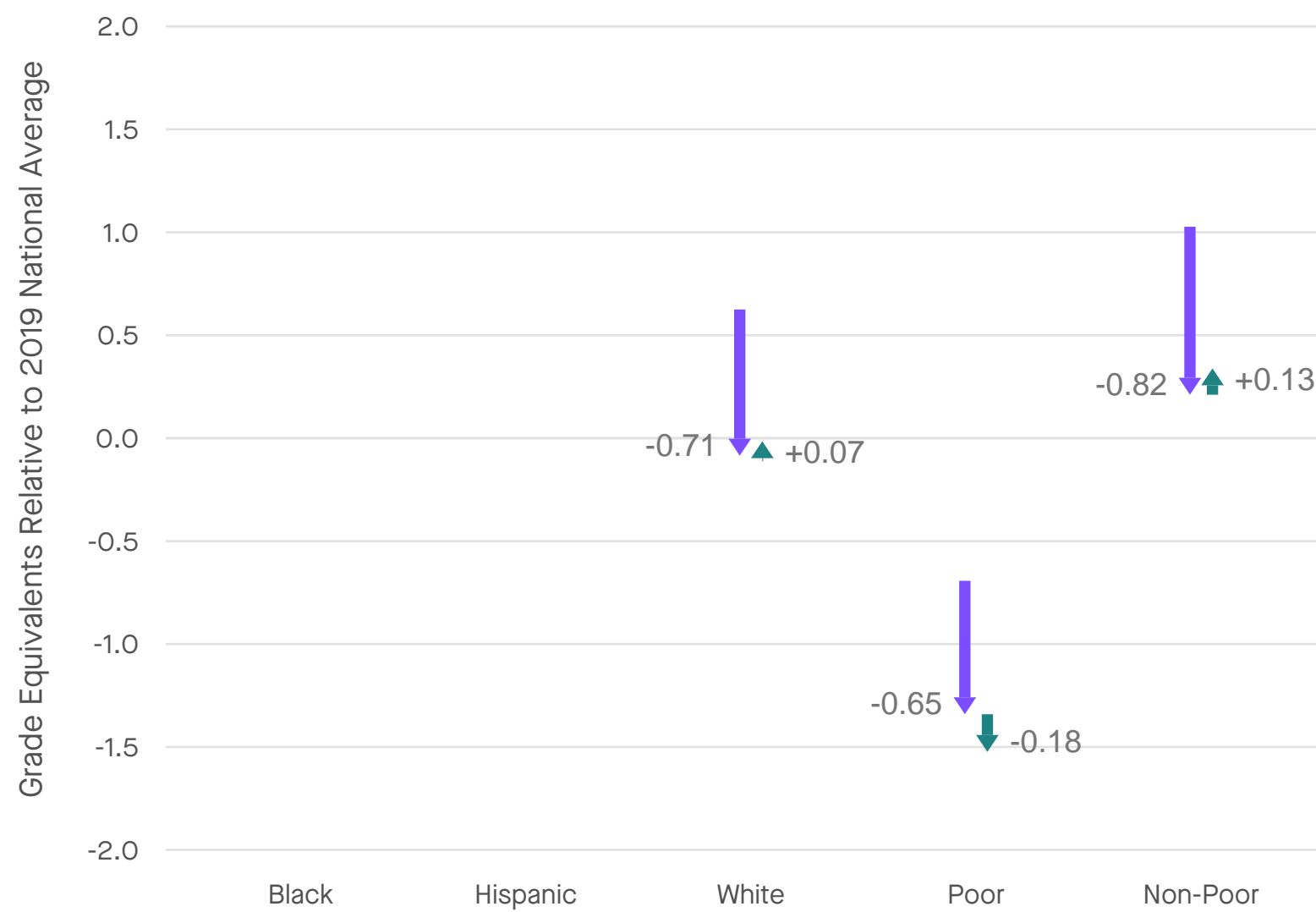
*Comparison districts are the nearest matches within the same state based on socioeconomic status, demographics, and size.



Ludlow, MA



Math Performance by Subgroup, Grades 3-8, 2019-2023

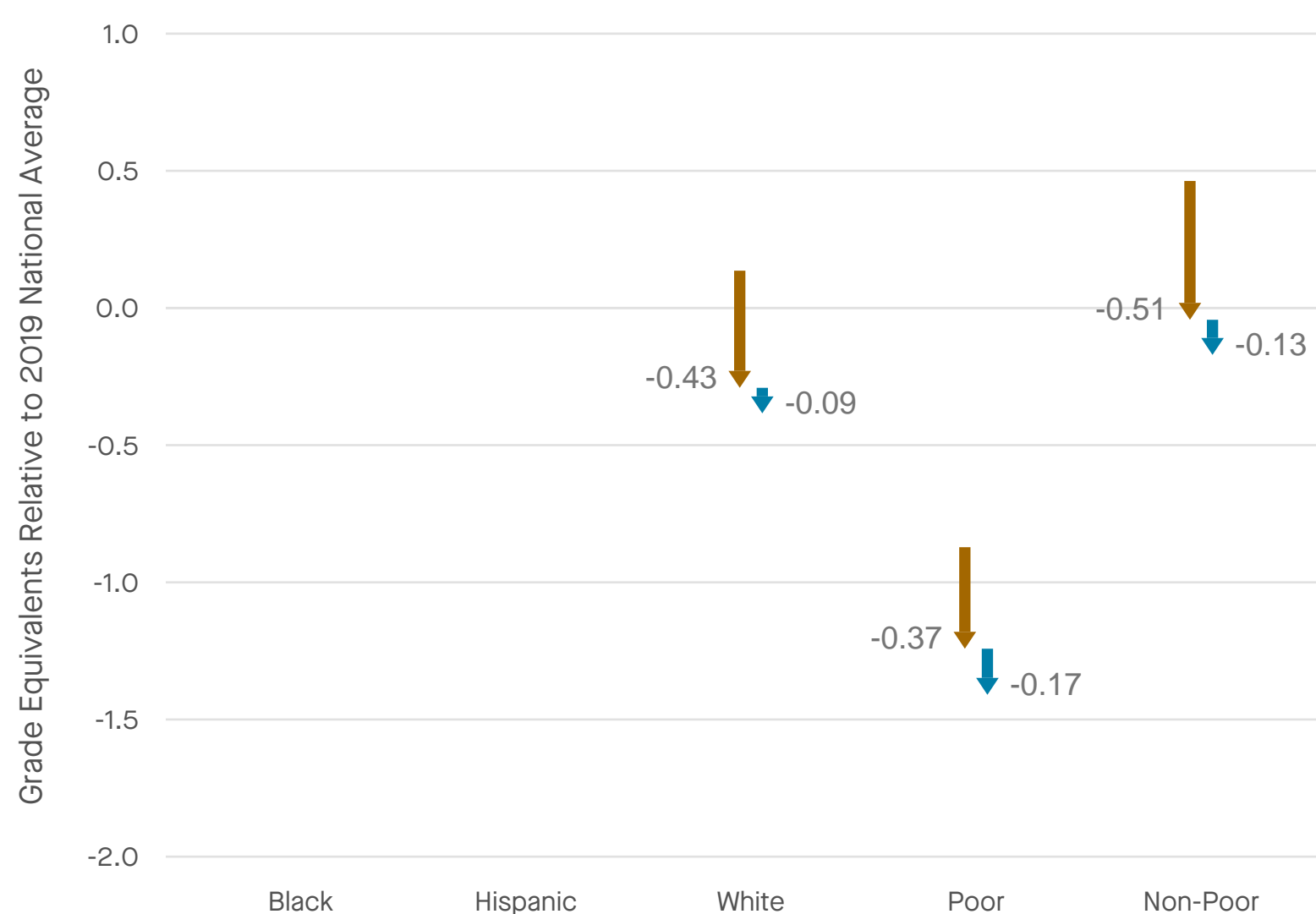


Average Math Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

	Black	Hispanic	White	Poor	Non-Poor
2019 Average	N/A	N/A	0.63	-0.69	1.03
2022 Average	N/A	N/A	-0.09	-1.34	0.21
2023 Average	N/A	N/A	-0.01	-1.52	0.34
2019-2022 Change	N/A	N/A	↓ -0.71	↓ -0.65	↓ -0.82
2022-2023 Change	N/A	N/A	↑ +0.07	↓ -0.18	↑ +0.13
2019-2023 Change	N/A	N/A	↓ -0.64	↓ -0.83	↓ -0.69

Reading Performance by Subgroup, Grades 3-8, 2019-2023



Average Reading Scores and Trends in Scores

in Grade Level Equivalents Relative to the 2019 National Average

	Black	Hispanic	White	Poor	Non-Poor
2019 Average	N/A	N/A	0.14	-0.87	0.46
2022 Average	N/A	N/A	-0.29	-1.24	-0.04
2023 Average	N/A	N/A	-0.38	-1.41	-0.17
2019-2022 Change	N/A	N/A	↓ -0.43	↓ -0.37	↓ -0.51
2022-2023 Change	N/A	N/A	↓ -0.09	↓ -0.17	↓ -0.13
2019-2023 Change	N/A	N/A	↓ -0.52	↓ -0.54	↓ -0.63



Massachusetts Report on Covid Recovery

Change in Math Achievement 2019-2022 by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress. For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below 185% of the federal poverty level in Census data. Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates. Labeled points represent districts with at least 500 tested students per grade. The regression line displays the overall trend within the state. For details on the methodology see <https://edopportunity.org/methods>.

Change in Reading Achievement 2019-2022 by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress. For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below 185% of the federal poverty level in Census data. Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates. Labeled points represent districts with at least 600 tested students per grade. The regression line displays the overall trend within the state. For details on the methodology see <https://edopportunity.org/methods>.

Change in Math Achievement 2022-2023 by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.

Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress.

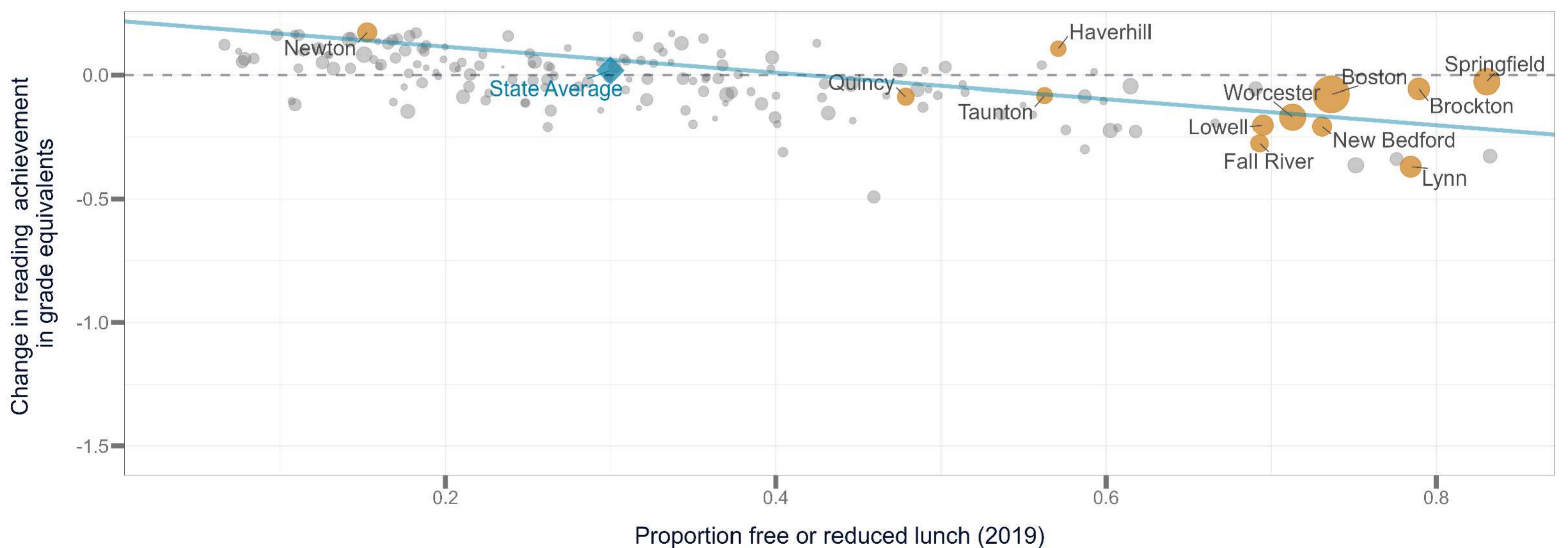
For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below 185% of the federal poverty level in Census data.

Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates.

Labeled points represent districts with at least 500 tested students per grade. The regression line displays the overall trend within the state.

For details on the methodology see <https://edopportunity.org/methods>.

Change in Reading Achievement 2022-2023 by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.

Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress.

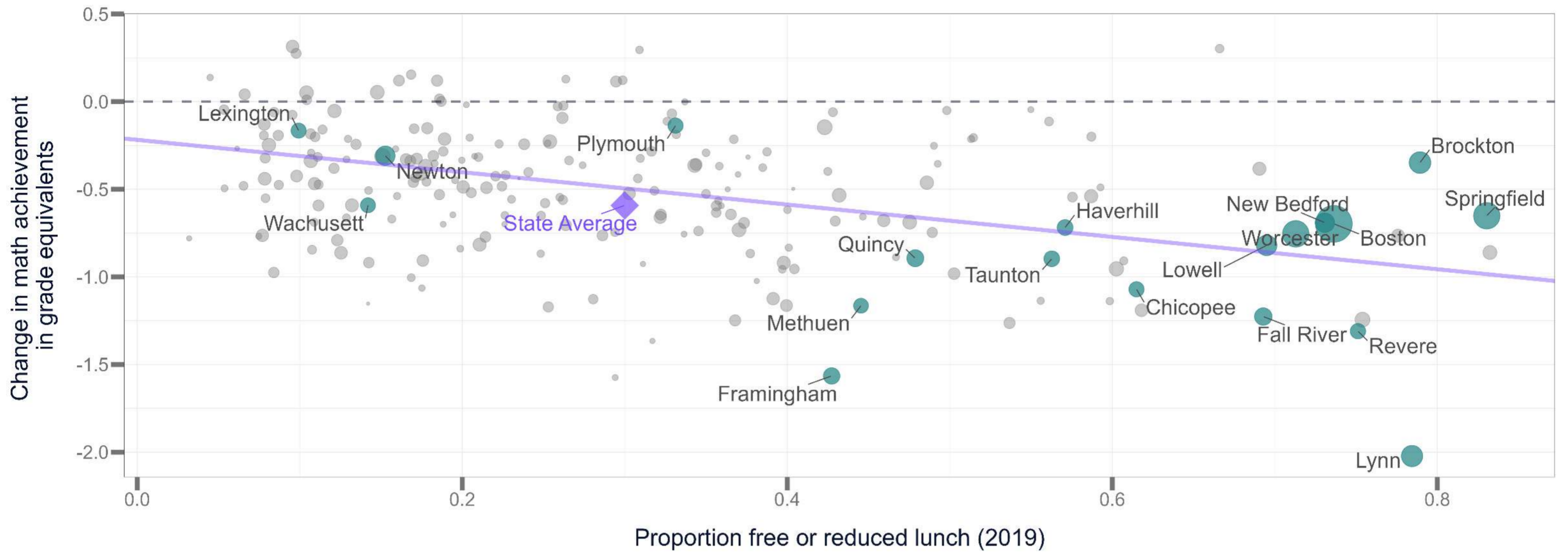
For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below 185% of the federal poverty level in Census data.

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Labeled points represent districts with at least 600 tested students per grade. The regression line displays the overall trend within the state.

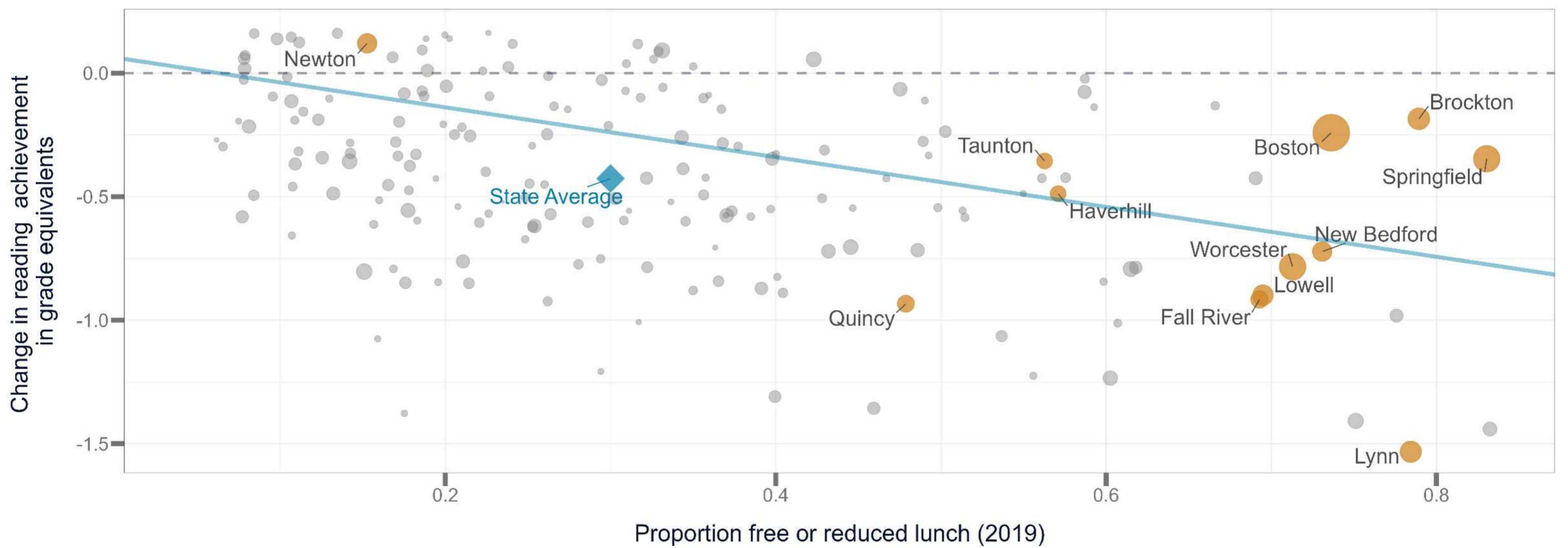
For details on the methodology see <https://edopportunity.org/methods>.

Change in Math Achievement 2019-2023 by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
 Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress. For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below 185% of the federal poverty level in Census data. Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates. Labeled points represent districts with at least 500 tested students per grade. The regression line displays the overall trend within the state. For details on the methodology see <https://edopportunity.org/methods>.

Change in Reading Achievement 2019-2023 by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
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Change in Math Achievement by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
 Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress. For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below 185% of the federal poverty level in Census data. Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates. Blue points represent districts with at least 500 tested students per grade. The regression line displays the overall trend within the state. For details on the methodology see <https://edopportunity.org/methods>.

Change in Reading Achievement by proportion FRPL in Massachusetts districts



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
 Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress. For historical comparability, the proportion of students receiving free or reduced price lunch reflects the estimated number of students in households with incomes below 185% of the federal poverty level in Census data. Some districts may have higher rates of federally subsidized lunch recipients due to the community eligibility provision. The sample of districts shown have been limited to districts with reliable estimates. Orange points represent districts with at least 600 tested students per grade. The regression line displays the overall trend within the state. For details on the methodology see <https://edopportunity.org/methods>.

Massachusetts Math Achievement By Race and Economic Status



Source: Education Recovery Scorecard, by Harvard CEPR and Stanford SEDA.
 Notes: All estimates are based on published state assessment results, which have been rescaled to grade equivalents using state scores on the National Assessment of Educational Progress.
 For details on the methodology, see <https://edopportunity.org/methods/>.

Massachusetts Reading Achievement By Race and Economic Status



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