

GENERATED ON APRIL 28, 2026

# Trends in Academic Performance in Logan County, Kentucky

VERSION 2025.1

This report summarizes district-level educational outcomes using data from the Stanford Education Data Archive (SEDA) from 2009-2025. Figures may contain gaps where source data are unavailable.

For more information, please visit [edopportunity.org](https://edopportunity.org)

Report created by the Educational Opportunity Project at Stanford University in collaboration with the Education Scorecard at Harvard University, using data provided by the National Center for Education Statistics and the Education Data Center. See final page for full information on data sources.

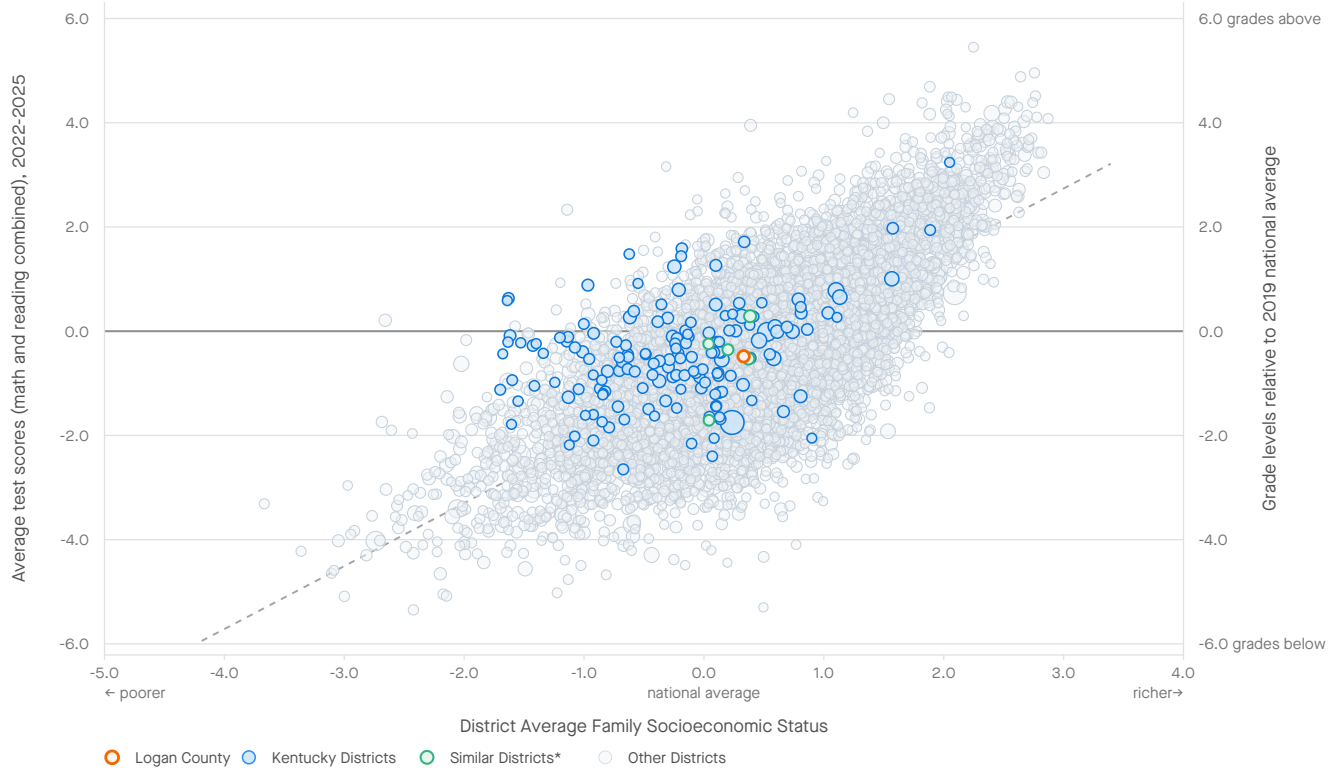


# Logan County, Kentucky

## Average Grade 3-8 Test Scores, 2022-2025, by District Socioeconomic Status



Average test scores in grades 3-8 reflect the set of educational opportunities available to students in the district, including those provided by their families, preschools, neighborhoods, and elementary and middle schools.



Note: each bubble is a U.S. school district, with size proportional to district enrollment. Districts in Kentucky are highlighted. District socioeconomic status is a composite measure of a district's average family income, parental education, poverty rate, SNAP eligibility rate, unemployment rate, and female-headed household rate. Test scores are measured in grade levels relative to the 2019 national average.

## Average Test Scores and Trends, 2022-2025

### ALL STUDENTS

	2022-2025 Average Scores	2022-2025 Trend in Test Scores
Logan County	-0.48	0.10
Similar Districts Avg.*	-0.36	0.04
Kentucky	-0.41	0.05

Test scores are reported in grade level units, relative to the 2019 national average. For example, the first row above reads: "Students in Logan County performed 0.48 grade levels below the 2019 national average. Test scores in Logan County have been changing at a rate of +0.10 grade levels/year since 2022."

\*Similar districts are the nearest matches within the same state based on socioeconomic status, demographics, and size. Similar districts for Logan County are Meade County, Marshall County, LaRue County, Caldwell County, and Union County.

### STUDENT SUBGROUPS

	2022-2025 Average Scores	2022-2025 Trend in Test Scores
White	-0.30	0.10
Black	N/A	N/A
Hispanic	N/A	N/A
Asian	N/A	N/A
Poor	-1.17	0.10
Non-Poor	0.39	0.10
Female	-0.28	0.14
Male	-0.66	0.05



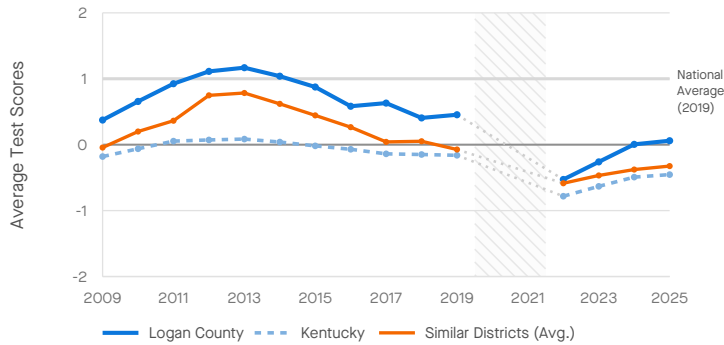
# Logan County, Kentucky

## Trends in Average Grade 3-8 Test Scores, 2009-2025, by Subject and Student Subgroup

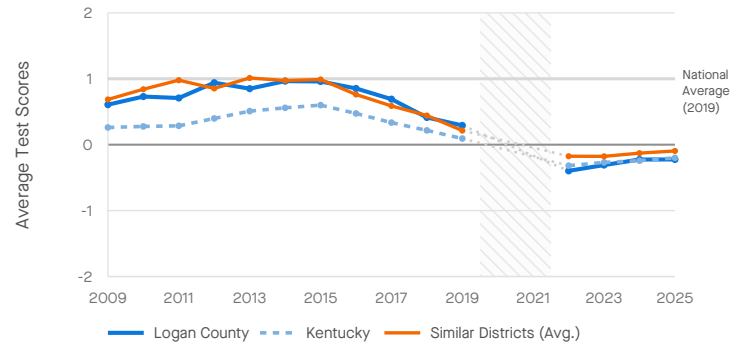


Trends in test scores may reflect changes in school quality, changes in demographics, and/or changes in out-of-school educational opportunities.

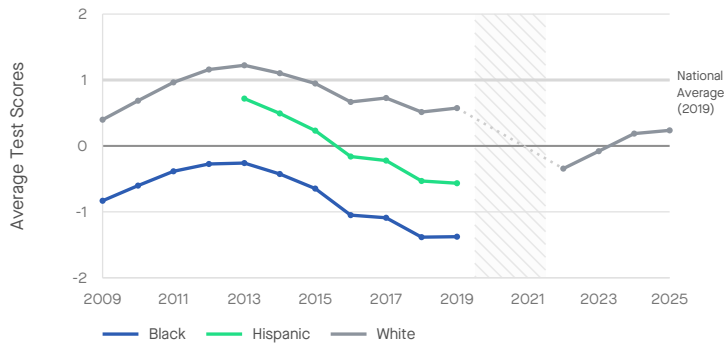
**Trend in Math Scores (All Students)**



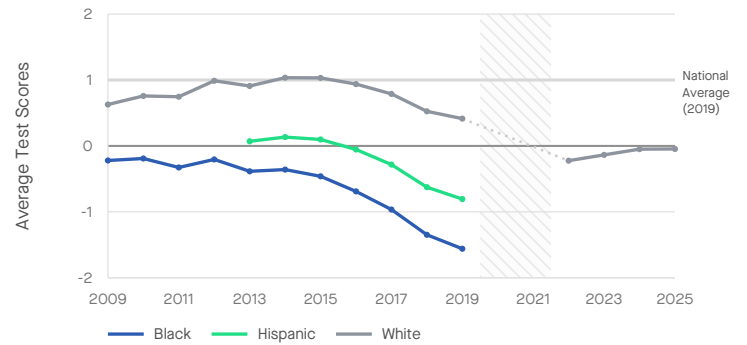
**Trend in Reading Scores (All Students)**



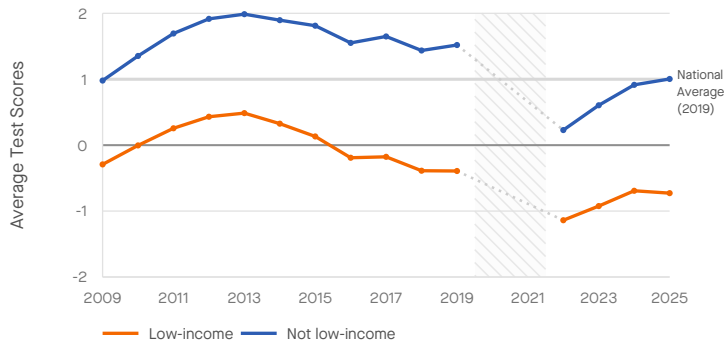
**Trend in Math Scores, by Student Race/Ethnicity**



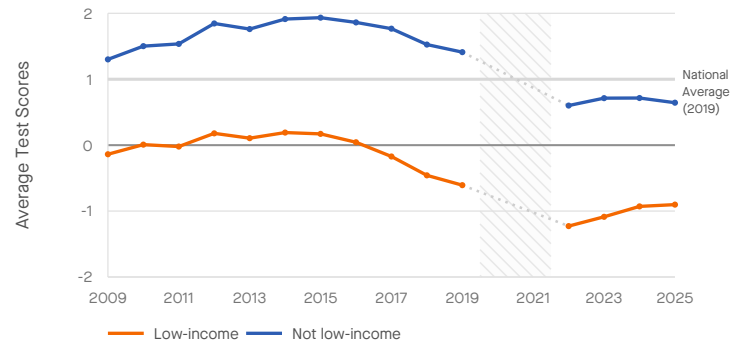
**Trend in Reading Scores, by Student Race/Ethnicity**



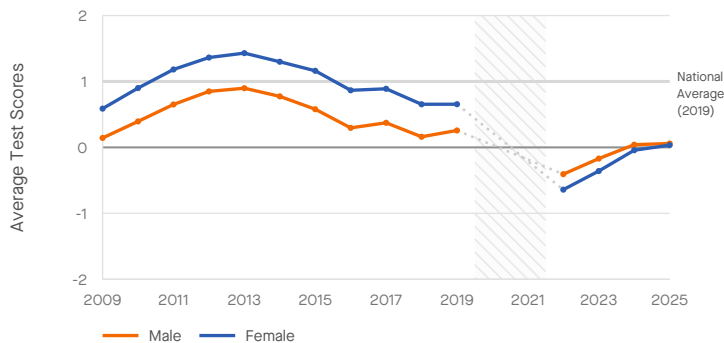
**Trend in Math Scores, by Student Income Level**



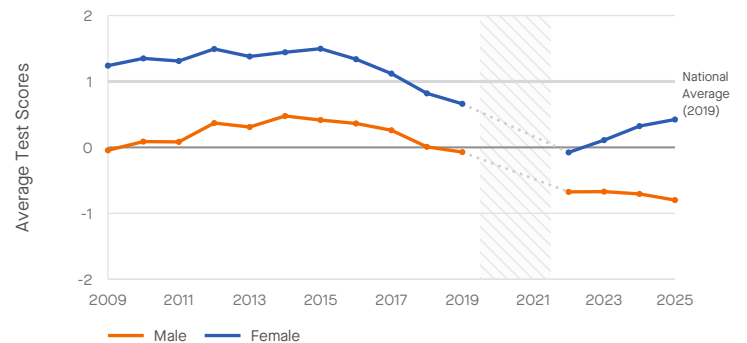
**Trend in Reading Scores, by Student Income Level**



**Trend in Math Scores, by Student Gender**



**Trend in Reading Scores, by Student Gender**

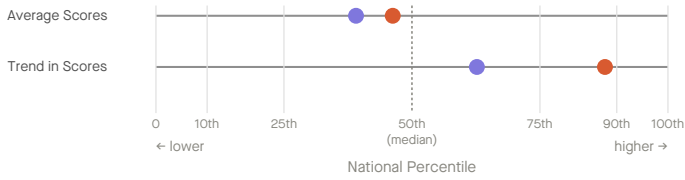


# Logan County, Kentucky

## Academic Performance Rankings, 2022-2025, Relative to Other Districts in the U.S.



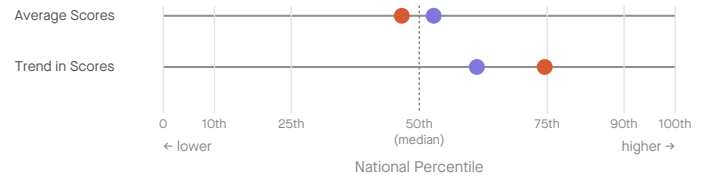
### Math Ranks



	Average	Trend
● Logan County	5,486 / 10,205 (46th pct)	674 / 5,468 (88th pct)
● Similar Districts Avg.	6,218 / 10,205 (39th pct)	2,041 / 5,468 (63rd pct)

Logan County ranked higher than 46% of districts nationwide in average math performance during the 2022-25 school years (5,486th of 10,205 districts with available data).

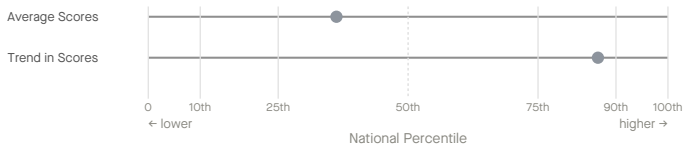
### Reading Ranks



	Average	Trend
● Logan County	5,383 / 10,076 (47th pct)	1,447 / 5,673 (75th pct)
● Similar Districts Avg.	4,755 / 10,076 (53rd pct)	2,199 / 5,673 (61st pct)

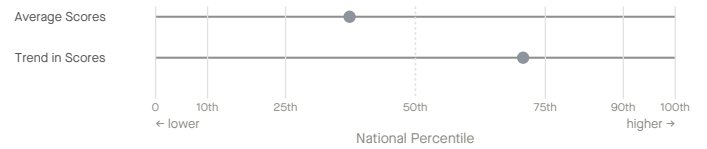
Logan County ranked higher than 47% of districts nationwide in average reading performance during the 2022-25 school years (5,383rd of 10,076 districts with available data).

### Math Ranks by Race/Ethnicity



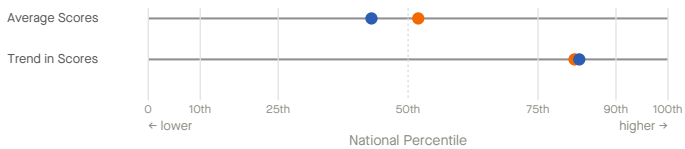
	Average	Trend
● White	5,555 / 8,707 (36th pct)	484 / 3,582 (87th pct)

### Reading Ranks by Race/Ethnicity



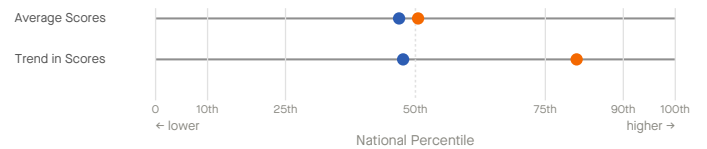
	Average	Trend
● White	5,506 / 8,785 (37th pct)	1,155 / 3,941 (71st pct)

### Math Ranks by Income



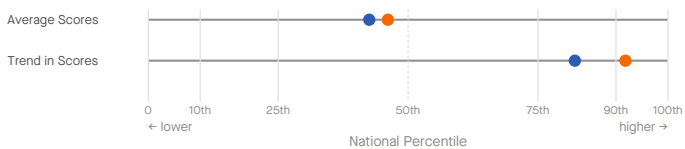
	Average	Trend
● Low-income	4,265 / 8,875 (52nd pct)	514 / 2,855 (82nd pct)
● Not low-income	4,844 / 8,489 (43rd pct)	535 / 3,127 (83rd pct)

### Reading Ranks by Income



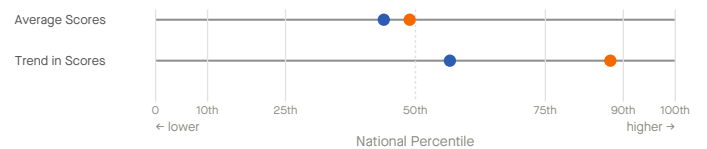
	Average	Trend
● Low-income	4,449 / 8,987 (51st pct)	606 / 3,186 (81st pct)
● Not low-income	4,569 / 8,596 (47th pct)	1,735 / 3,311 (48th pct)

### Math Ranks by Gender



	Average	Trend
● Female	4,587 / 8,509 (46th pct)	264 / 3,219 (92nd pct)
● Male	4,885 / 8,497 (43rd pct)	533 / 2,971 (82nd pct)

### Reading Ranks by Gender



	Average	Trend
● Female	4,432 / 8,670 (49th pct)	436 / 3,483 (88th pct)
● Male	4,853 / 8,652 (44th pct)	1,483 / 3,418 (57th pct)

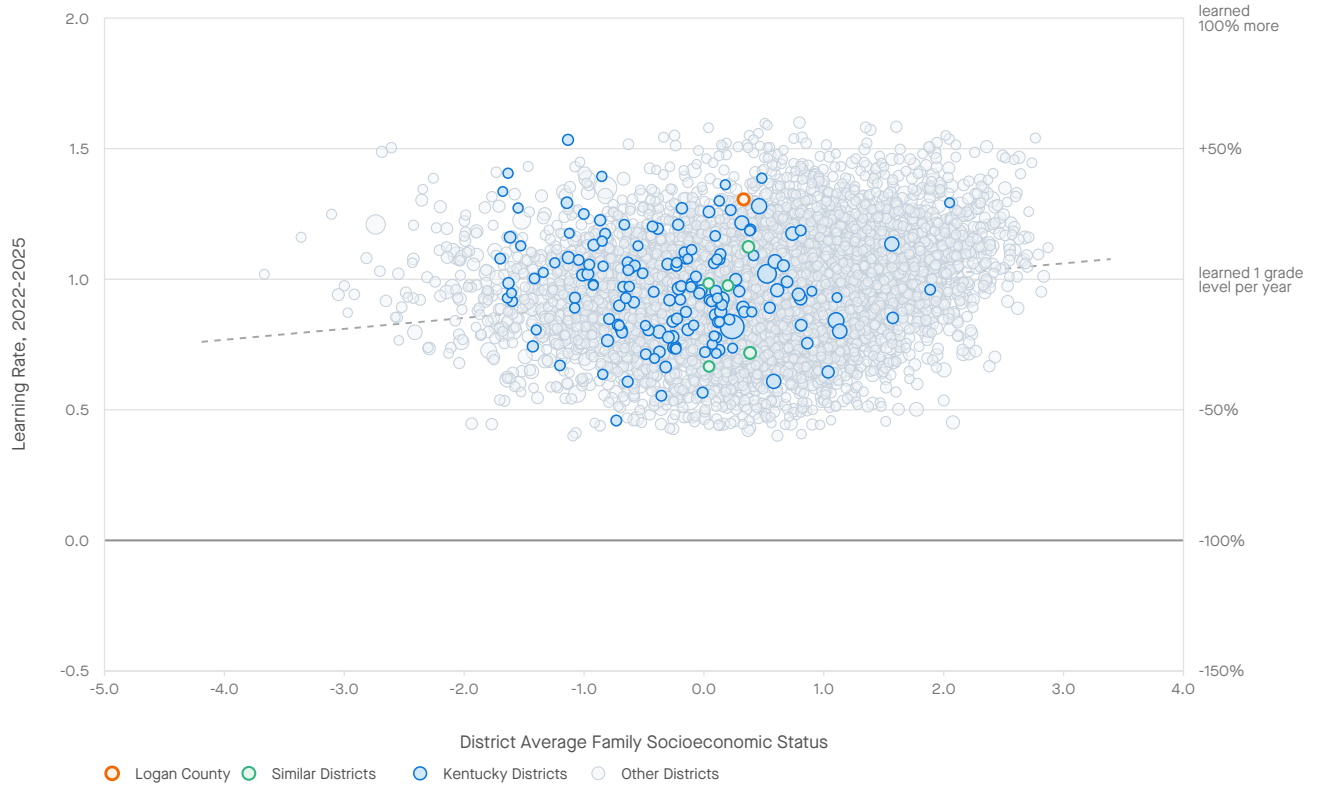


# Logan County, Kentucky

## Average Grades 3-8 Learning Rates, 2022-2025, by District Socioeconomic Status



Learning rates measure how much students' scores improve as they progress from grade to grade. They are a better indicator of school quality than average test scores, which are influenced by a range of experiences outside of school.



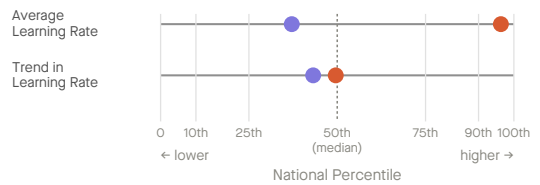
Note: each bubble is a U.S. school district, with size proportional to district enrollment. Districts in Kentucky are highlighted. District socioeconomic status is a composite measure of a district's average family income, parental education, poverty rate, SNAP eligibility rate, unemployment rate, and female-headed household rate.

### Learning Rates and Trends, 2022-2025

### Learning Rate Rankings

#### ALL STUDENTS

	2022-2025 Learning Rate	2022-2025 Trend in Learning Rates
Logan County	1.31	-0.01
Similar Districts Avg.*	0.90	-0.02
Kentucky	0.95	-0.02



Learning rates are measured in grade levels of skills gained per year and are averaged over math and reading. The national average learning rate is 1.0. For example, the first row above reads: "Students in Logan County learned an average of 1.31 grade levels/year during 2022-2025. Learning rates in Logan County have been changing at a rate of -0.01 grade levels/year since 2022."

	Average	Trend
Logan County	301 / 8,147 (96th pct)	3,059 / 6,065 (50th pct)
Similar Districts Avg.	5,122 / 8,147 (37th pct)	3,446 / 6,065 (43rd pct)

\*Similar districts are the nearest matches within the same state based on socioeconomic status, demographics, and size. Similar districts for Logan County are Meade County, Marshall County, LaRue County, Caldwell County, and Union County.

Logan County ranked higher than 96% of districts nationwide in average learning rates during the 2022-25 school years (301st of 8,147 districts with available data).



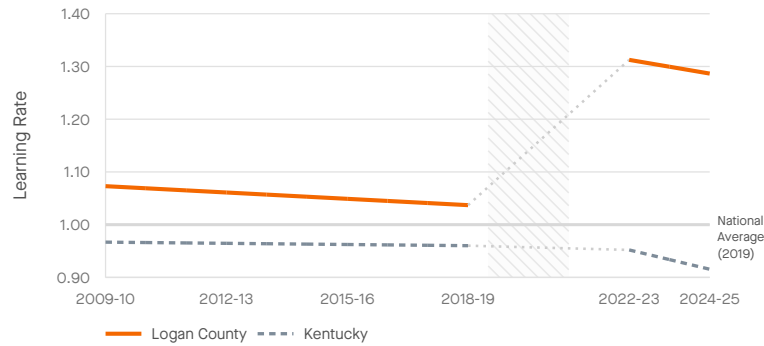
# Logan County, Kentucky

## Trends in Average Grade 3-8 Learning Rates, 2009-2025, by Student Subgroup

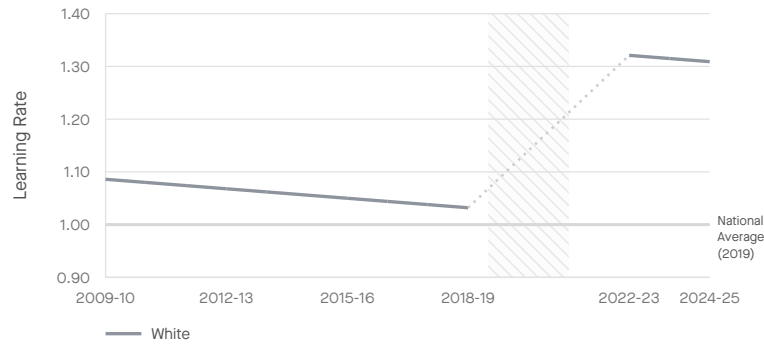


Trends in learning rates measure how annual learning rates change over time. They are a better indicator of changes in school quality than trends in average test scores, which are influenced by a range of experiences outside of school.

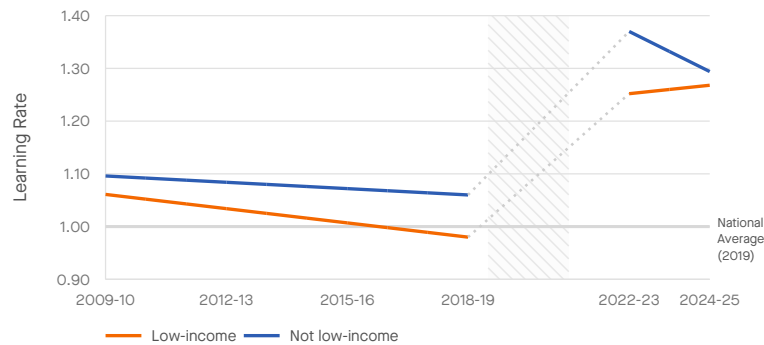
**Trend in Learning Rates (All Students)**



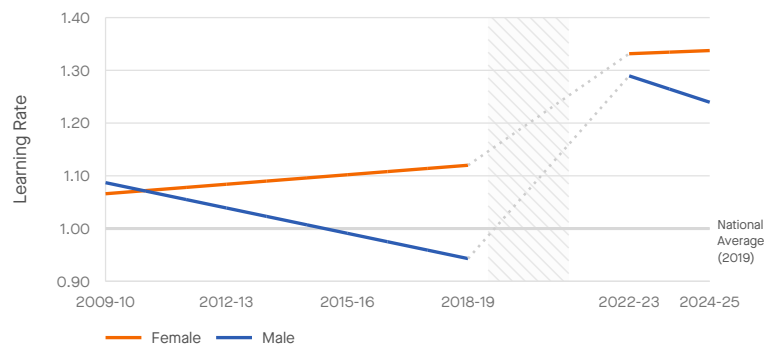
**Trend in Learning Rates, by Student Race/Ethnicity**



**Trend in Learning Rates, by Student Income Level**



**Trend in Learning Rates, by Student Gender**



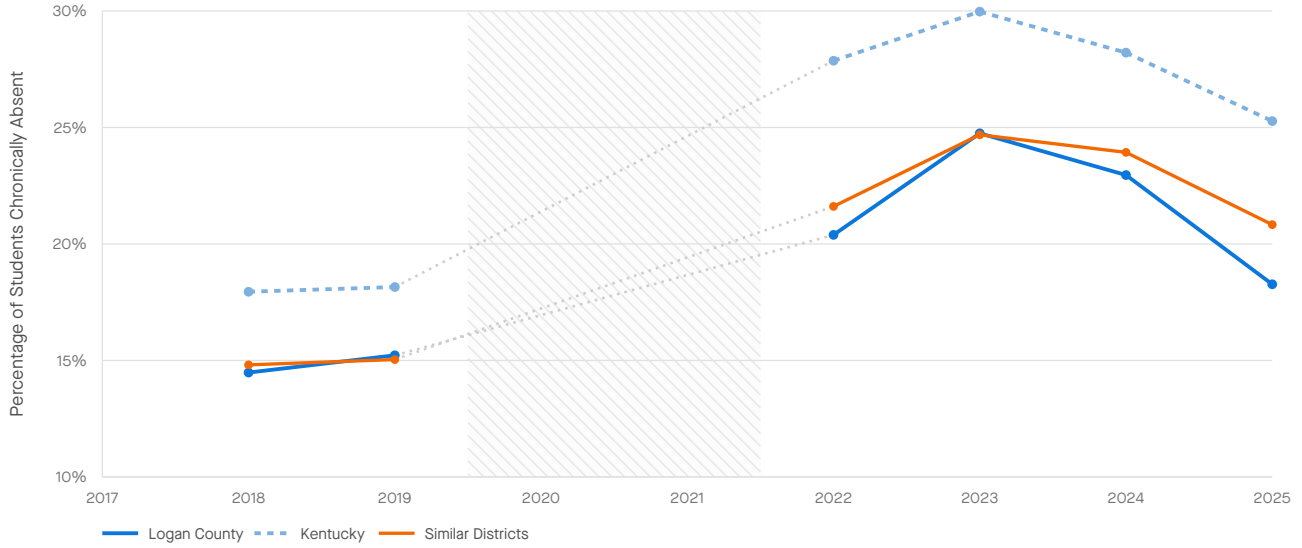
# Logan County, Kentucky

## Trends in Chronic Absenteeism



Chronic absenteeism rates indicate the proportion of students who were absent 10% or more of the school year.

Trends in Chronic Absenteeism



## Trends in Chronic Absenteeism

### ALL STUDENTS

	2017-2019 Avg. Chronic Absenteeism	2022-2025 Avg. Chronic Absenteeism	Change
Logan County	14.8	21.6	+6.7
Similar Districts Avg.*	14.9	22.8	+7.8
Kentucky	18.0	27.8	+9.8

\*Similar districts are the nearest matches within the same state based on socioeconomic status, demographics, and size. Similar districts for Logan County are Meade County, Marshall County, LaRue County, Caldwell County, and Union County.

Absenteeism data courtesy of [Nat Malkus, American Enterprise Institute](#).



# Logan County, Kentucky



## Changes in Average Math Scores in Kentucky Districts, 2019-2025 and 2022-2025, by District Free/Reduced-Price Lunch Eligibility Rate

### Change in Math Scores, 2019-2025



Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts    ◆ State Average

### Change in Math Scores, 2022-2025



Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts    ◆ State Average



# Logan County, Kentucky



## Changes in Average Reading Scores in Kentucky Districts, 2019-2025 and 2022-2025, by District Free/Reduced-Price Lunch Eligibility Rate

### Change in Reading Scores, 2019-2025

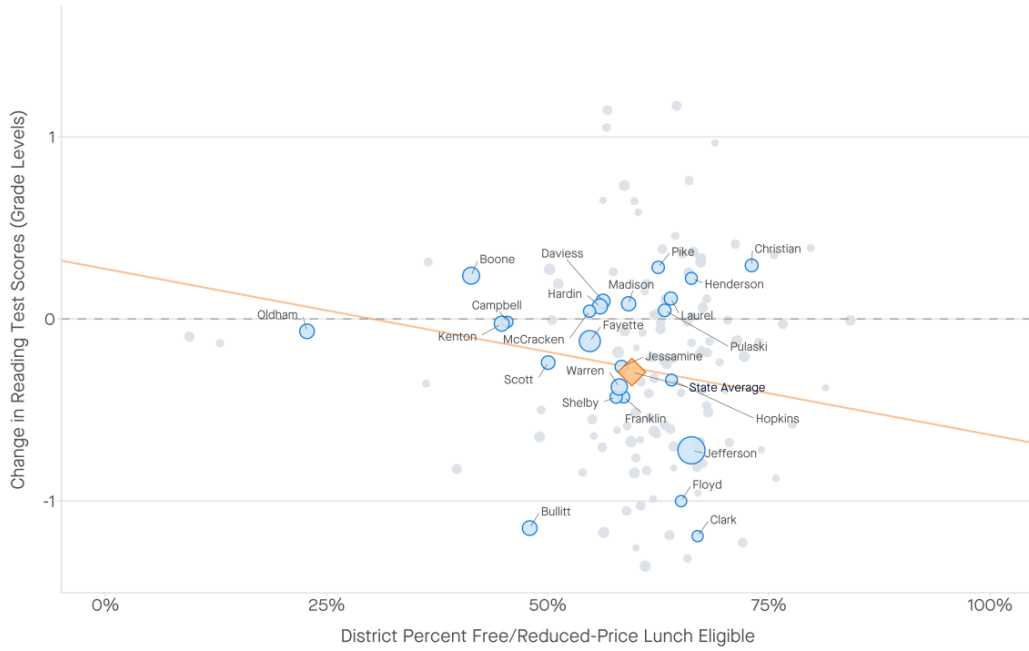


Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts    ◆ State Average

### Change in Reading Scores, 2022-2025

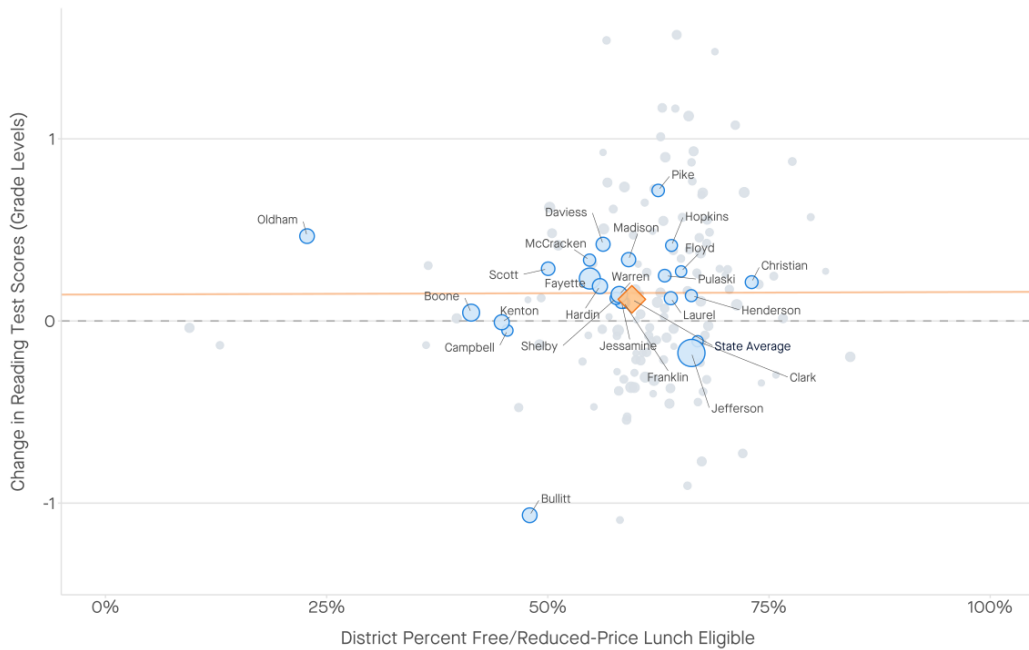


Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts    ◆ State Average



# Logan County, Kentucky

Change in Chronic Absenteeism in Kentucky Districts, 2019-2025,  
by District Free/Reduced-Price Lunch Eligibility Rate



## Change in Chronic Absenteeism, 2019-2025

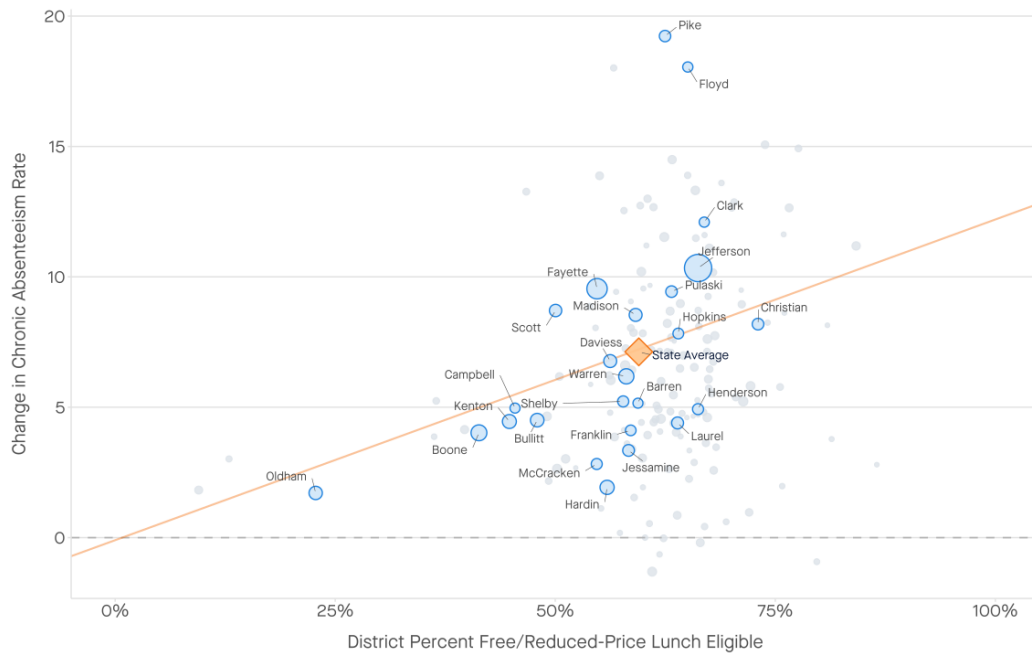


Figure produced by the Center for Education Policy Research at Harvard University

○ Largest Districts    ◆ State Average





## Notes & Acknowledgments

This report summarizes academic performance in Logan County from 2008-09 through 2024-25, using data from the Stanford Education Data Archive (SEDA). SEDA is a national database of U.S. academic performance produced by the Educational Opportunity Project at Stanford University. The SEDA data are based on the standardized accountability tests in math and reading language arts (RLA) administered by each state to all public-school students in grades 3-8.

The raw test score data used to construct the SEDA 2022-2025 estimates here were graciously provided to us by Emily Oster and Clare Halloran at the [Education Data Center](#). The raw test score data used to construct the SEDA 2009-2019 estimates are available through the [EDFacts](#) data system at the U.S. Department of Education, and were provided to us by the National Center for Education Statistics (NCES). Detailed NAEP data used to harmonize test scores across states was provided by NCES and the National Assessment Governing Board. Chronic absenteeism data were provided by [Nat Malkus at the American Enterprise Institute](#). Funding to construct and analyze SEDA was provided by the Gates Foundation. Funding for the Education Scorecard was provided by the Carnegie Corporation of New York, Bloomberg Philanthropies, Joyce Foundation, Kenneth C. Griffin and Citadel Catalyst. The findings and opinions expressed in our research and reported here are those of the authors alone; they do not represent the views of any of the above organizations.

### Citation:

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