

GENERATED ON APRIL 28, 2026

# Trends in Academic Performance in Grayson 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.

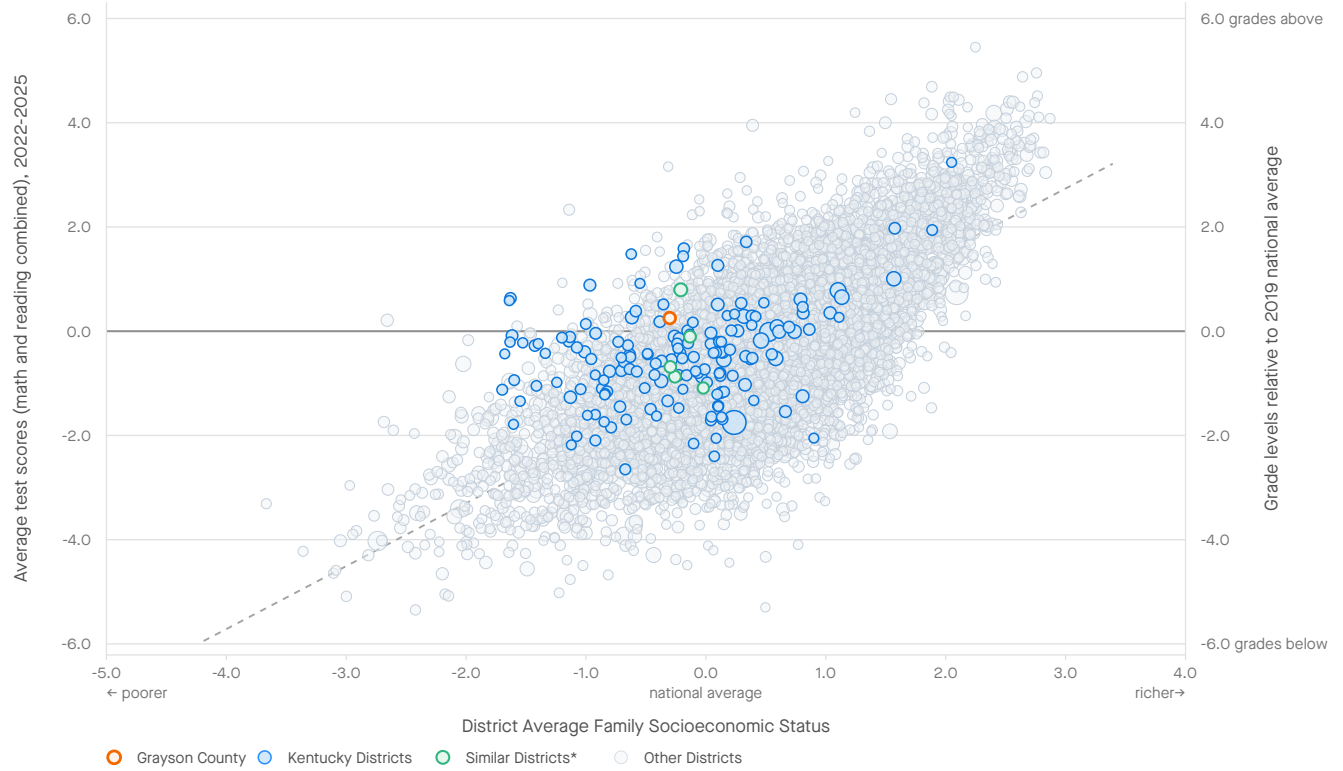


# Grayson County, Kentucky



## 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<br>Average Scores | 2022-2025 Trend<br>in Test Scores |
|-------------------------|-----------------------------|-----------------------------------|
| Grayson County          | 0.25                        | 0.11                              |
| Similar Districts Avg.* | -0.18                       | -0.01                             |
| 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 Grayson County performed 0.25 grade levels above the 2019 national average. Test scores in Grayson County have been changing at a rate of +0.11 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 Grayson County are Carter County, Muhlenberg County, Allen County, Pulaski County, and Montgomery County.

### STUDENT SUBGROUPS

|          | 2022-2025<br>Average Scores | 2022-2025 Trend<br>in Test Scores |
|----------|-----------------------------|-----------------------------------|
| White    | 0.29                        | 0.11                              |
| Black    | N/A                         | N/A                               |
| Hispanic | N/A                         | N/A                               |
| Asian    | N/A                         | N/A                               |
| Poor     | -0.45                       | 0.12                              |
| Non-Poor | 1.43                        | 0.10                              |
| Female   | 0.35                        | 0.10                              |
| Male     | 0.14                        | 0.12                              |



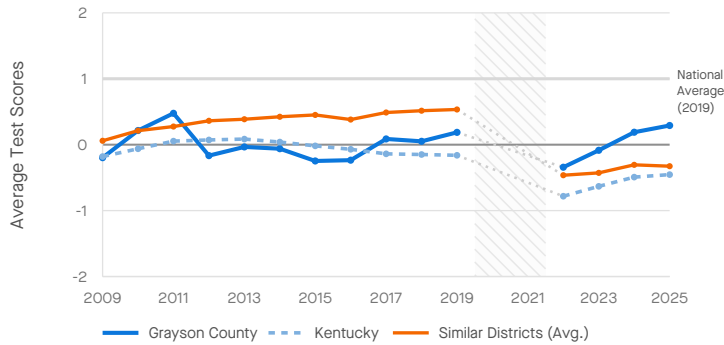
# Grayson County, Kentucky

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

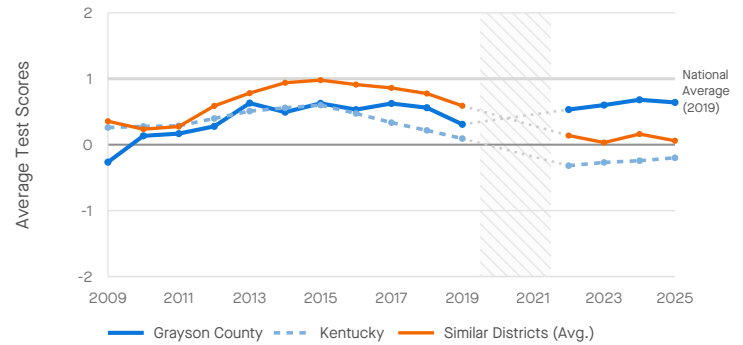


Trends in test scores may reflect changes in school quality, changes in demographics, and/or changes in out-of-school educational opportunities.

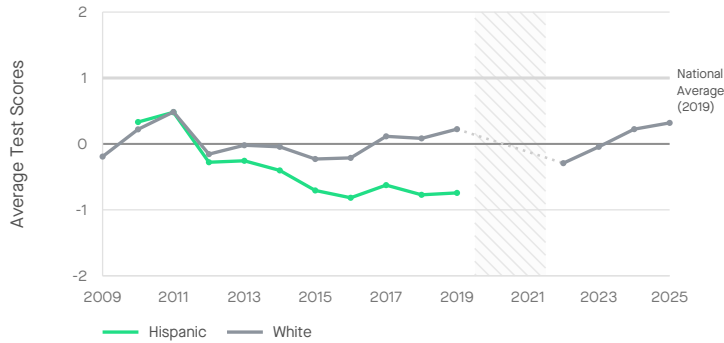
**Trend in Math Scores (All Students)**



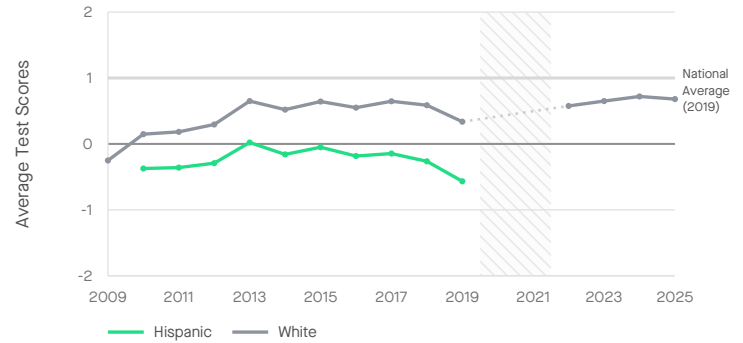
**Trend in Reading Scores (All Students)**



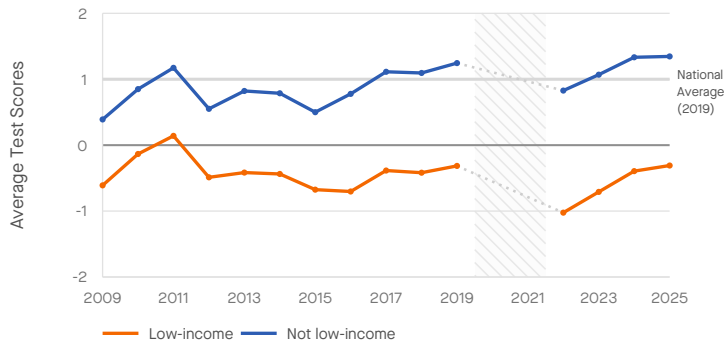
**Trend in Math Scores, by Student Race/Ethnicity**



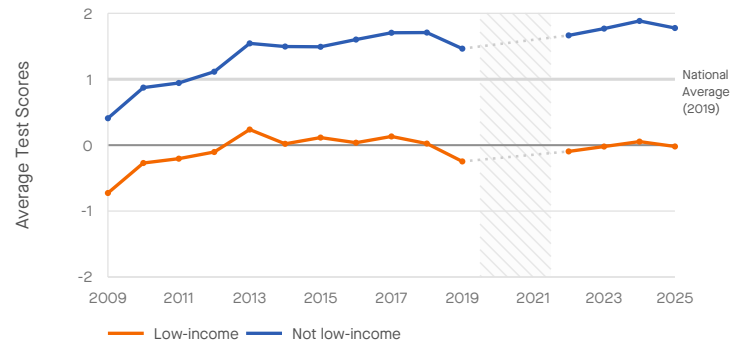
**Trend in Reading Scores, by Student Race/Ethnicity**



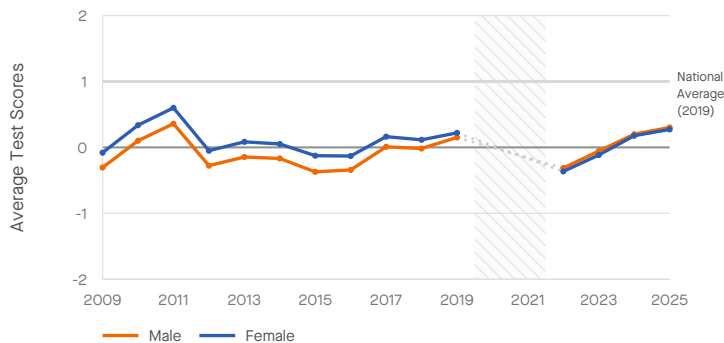
**Trend in Math Scores, by Student Income Level**



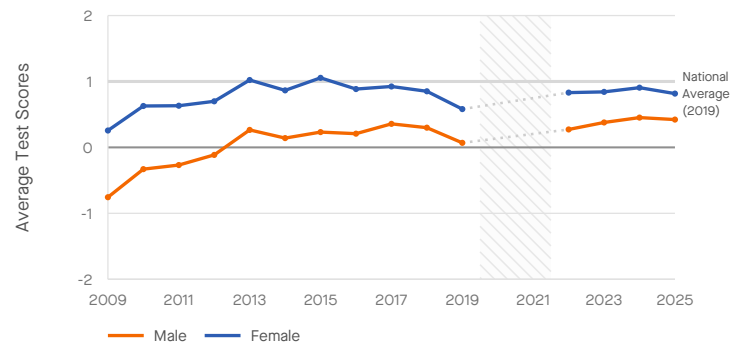
**Trend in Reading Scores, by Student Income Level**



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



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

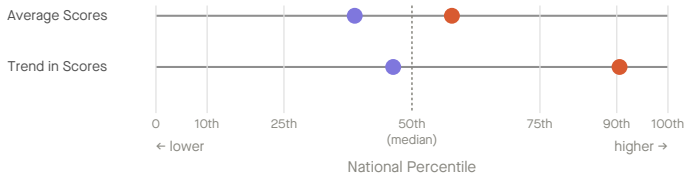


# Grayson County, Kentucky

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



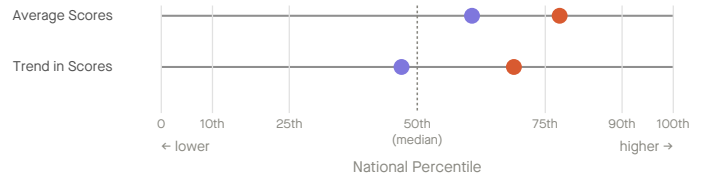
### Math Ranks



|                          | Average                   | Trend                    |
|--------------------------|---------------------------|--------------------------|
| ● Grayson County         | 4,307 / 10,205 (58th pct) | 518 / 5,468 (91st pct)   |
| ● Similar Districts Avg. | 6,244 / 10,205 (39th pct) | 2,935 / 5,468 (46th pct) |

Grayson County ranked higher than 58% of districts nationwide in average math performance during the 2022-25 school years (4,307th of 10,205 districts with available data).

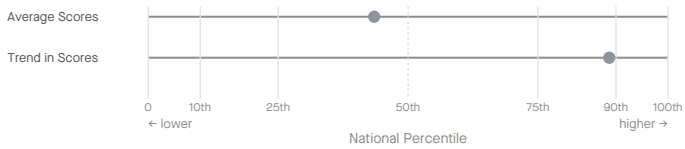
### Reading Ranks



|                          | Average                   | Trend                    |
|--------------------------|---------------------------|--------------------------|
| ● Grayson County         | 2,237 / 10,076 (78th pct) | 1,767 / 5,673 (69th pct) |
| ● Similar Districts Avg. | 3,962 / 10,076 (61st pct) | 3,012 / 5,673 (47th pct) |

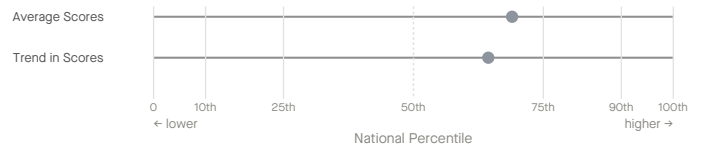
Grayson County ranked higher than 78% of districts nationwide in average reading performance during the 2022-25 school years (2,237th of 10,076 districts with available data).

### Math Ranks by Race/Ethnicity



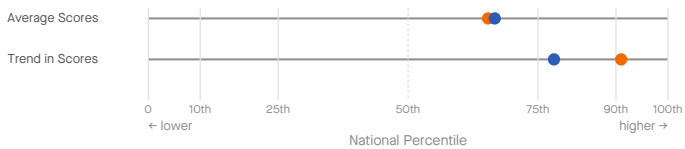
|         | Average                  | Trend                  |
|---------|--------------------------|------------------------|
| ● White | 4,922 / 8,707 (43rd pct) | 406 / 3,582 (89th pct) |

### Reading Ranks by Race/Ethnicity



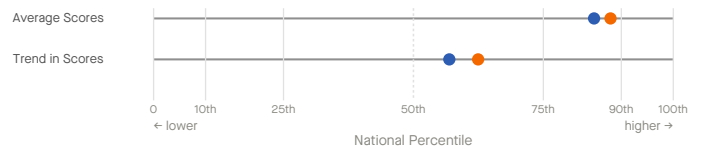
|         | Average                  | Trend                    |
|---------|--------------------------|--------------------------|
| ● White | 2,726 / 8,785 (69th pct) | 1,404 / 3,941 (64th pct) |

### Math Ranks by Income



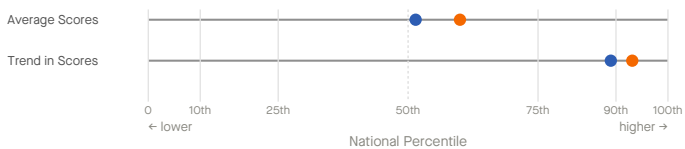
|                  | Average                  | Trend                  |
|------------------|--------------------------|------------------------|
| ● Low-income     | 3,074 / 8,875 (65th pct) | 258 / 2,855 (91st pct) |
| ● Not low-income | 2,830 / 8,489 (67th pct) | 687 / 3,127 (78th pct) |

### Reading Ranks by Income



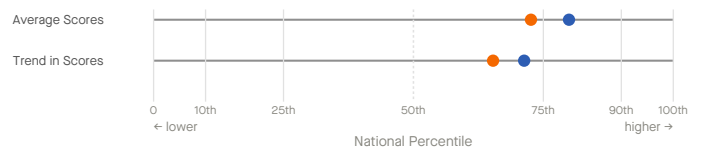
|                  | Average                  | Trend                    |
|------------------|--------------------------|--------------------------|
| ● Low-income     | 1,086 / 8,987 (88th pct) | 1,197 / 3,186 (62nd pct) |
| ● Not low-income | 1,311 / 8,596 (85th pct) | 1,428 / 3,311 (57th pct) |

### Math Ranks by Gender



|          | Average                  | Trend                  |
|----------|--------------------------|------------------------|
| ● Female | 3,406 / 8,509 (60th pct) | 222 / 3,219 (93rd pct) |
| ● Male   | 4,126 / 8,497 (51st pct) | 328 / 2,971 (89th pct) |

### Reading Ranks by Gender



|          | Average                  | Trend                    |
|----------|--------------------------|--------------------------|
| ● Female | 2,375 / 8,670 (73rd pct) | 1,209 / 3,483 (65th pct) |
| ● Male   | 1,737 / 8,652 (80th pct) | 982 / 3,418 (71st pct)   |

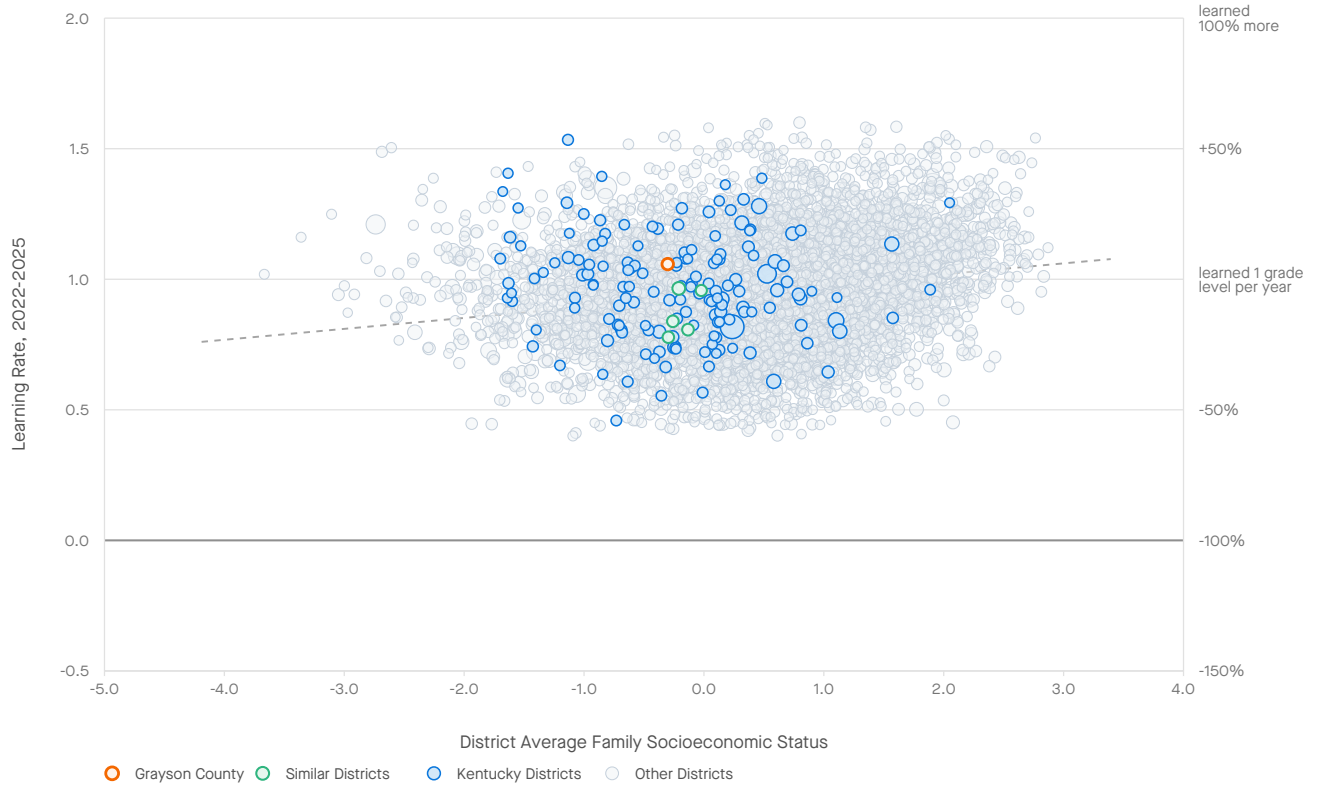


# Grayson County, Kentucky

## 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

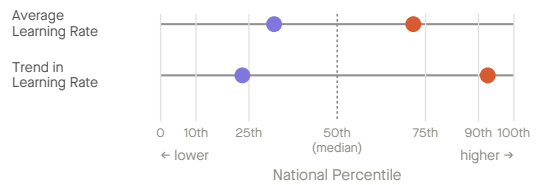
#### ALL STUDENTS

|                         | 2022-2025 Learning Rate | 2022-2025 Trend in Learning Rates |
|-------------------------|-------------------------|-----------------------------------|
| Grayson County          | 1.06                    | 0.06                              |
| Similar Districts Avg.* | 0.88                    | -0.04                             |
| 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 Grayson County learned an average of 1.06 grade levels/year during 2022-2025. Learning rates in Grayson County have been changing at a rate of +0.06 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 Grayson County are Carter County, Muhlenberg County, Allen County, Pulaski County, and Montgomery County.

### Learning Rate Rankings



|                        | Average                  | Trend                    |
|------------------------|--------------------------|--------------------------|
| Grayson County         | 2,320 / 8,147 (72nd pct) | 450 / 6,065 (93rd pct)   |
| Similar Districts Avg. | 5,530 / 8,147 (32nd pct) | 4,661 / 6,065 (23rd pct) |

Grayson County ranked higher than 72% of districts nationwide in average learning rates during the 2022-25 school years (2,320th of 8,147 districts with available data).



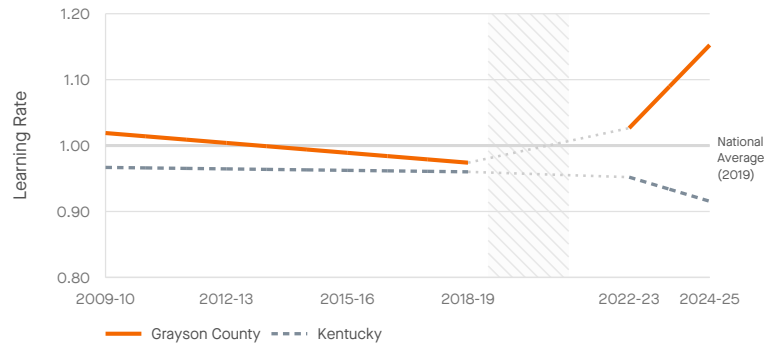
# Grayson County, Kentucky

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

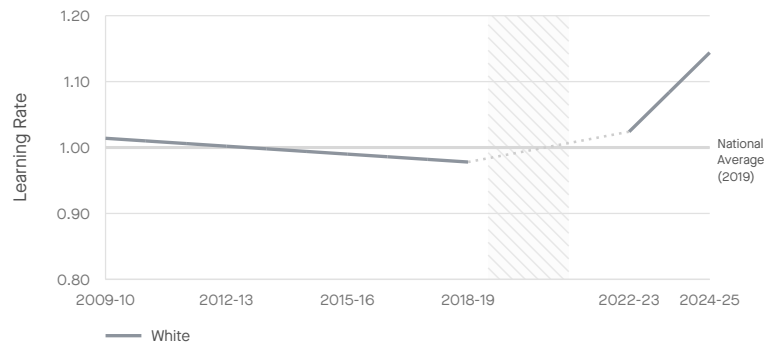


Trends in learning rates measure how annual learning rates change over time. They are a better indicator of changes in school quality than trends in average test scores, which are influenced by a range of experiences outside of school.

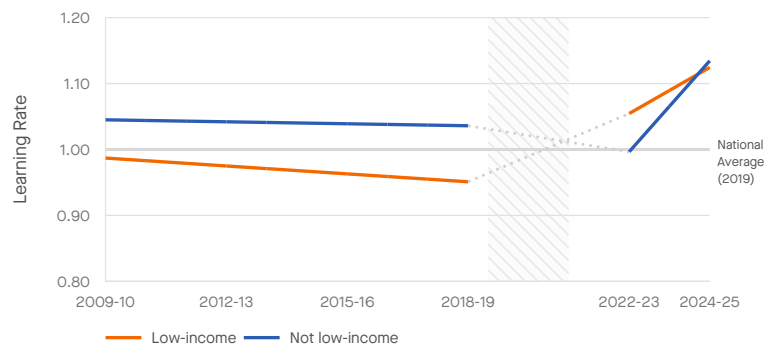
**Trend in Learning Rates (All Students)**



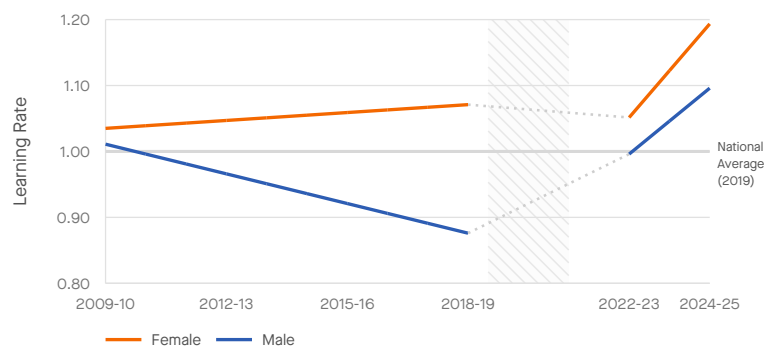
**Trend in Learning Rates, by Student Race/Ethnicity**



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



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



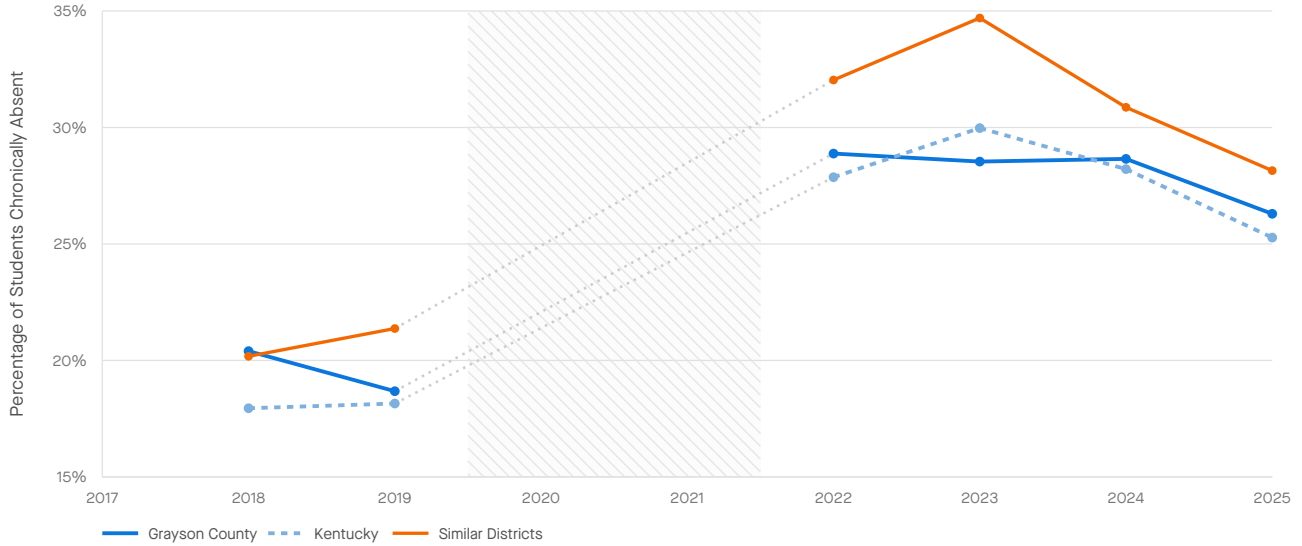
# Grayson County, Kentucky



## 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.<br>Chronic Absenteeism | 2022-2025 Avg.<br>Chronic Absenteeism | Change |
|-------------------------|---------------------------------------|---------------------------------------|--------|
| Grayson County          | 19.5                                  | 28.1                                  | +8.6   |
| Similar Districts Avg.* | 20.8                                  | 31.4                                  | +10.7  |
| 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 Grayson County are Carter County, Muhlenberg County, Allen County, Pulaski County, and Montgomery County.

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



# Grayson 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



# Grayson 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

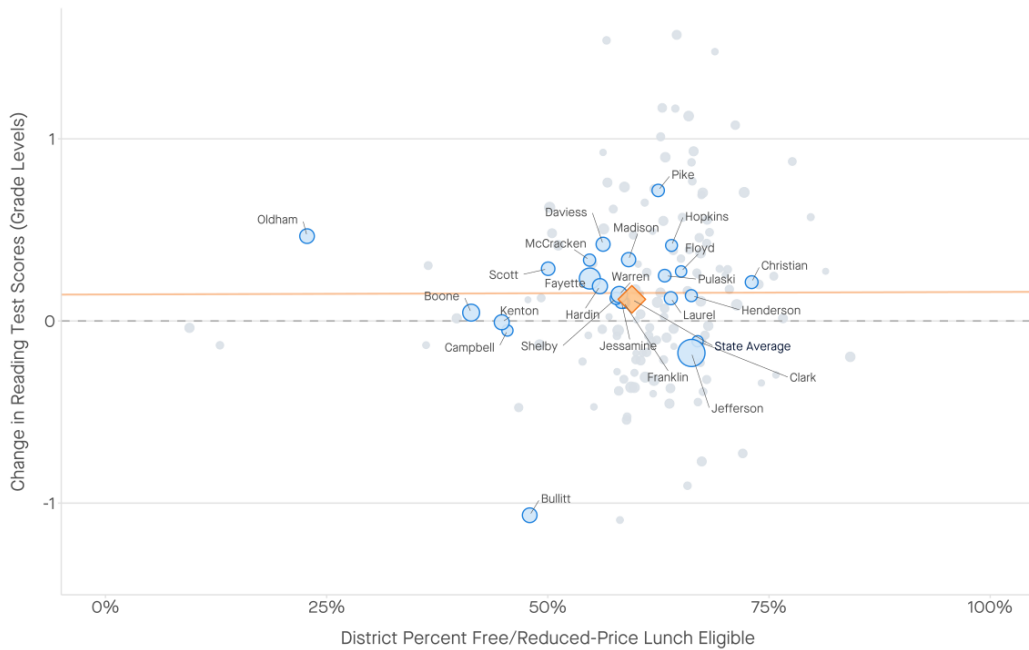


Figure produced by the Center for Education Policy Research at Harvard University

● Largest Districts    ◆ State Average



# Grayson 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 Grayson 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.

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