

# **Iowa Growth Report 2017-2018**

Hudson Community School District  
(3042)

# Measuring Student Growth with the *Iowa Assessments*

Understanding how student achievement changes and grows over time is extremely important for improving educational outcomes. This report summarizes achievement growth on the *Iowa Assessments* for grades in your district with 10 or more students. All results reflect performance during the 2017-2018 school year.

Gain Scores are a measure of student growth anchored on the National Standard Score (NSS) scale of the *Iowa Assessments*. Average Gain Scores are calculated by subtracting each student's prior-year score from their current-year score and then averaging over all students. The magnitude of a Gain Score indicates how much the group of students has changed, whereas the sign indicates if the change in achievement is positive (signifying improvement) or negative (signifying decline). Table 1 gives the average Gain Scores for Reading, Mathematics, and Science. Graphs of the data are presented in Figures 1-3.

For more information on measuring growth with the *Iowa Assessments* see: Welch, C., Dunbar, S., & Rickels, H. (2016). Measuring Student Growth in Iowa with the *Iowa Assessments*. <https://itp.education.uiowa.edu/ia/documents/Measuring-Student-Growth-in-Iowa-with-the-Iowa-Assessments.pdf>

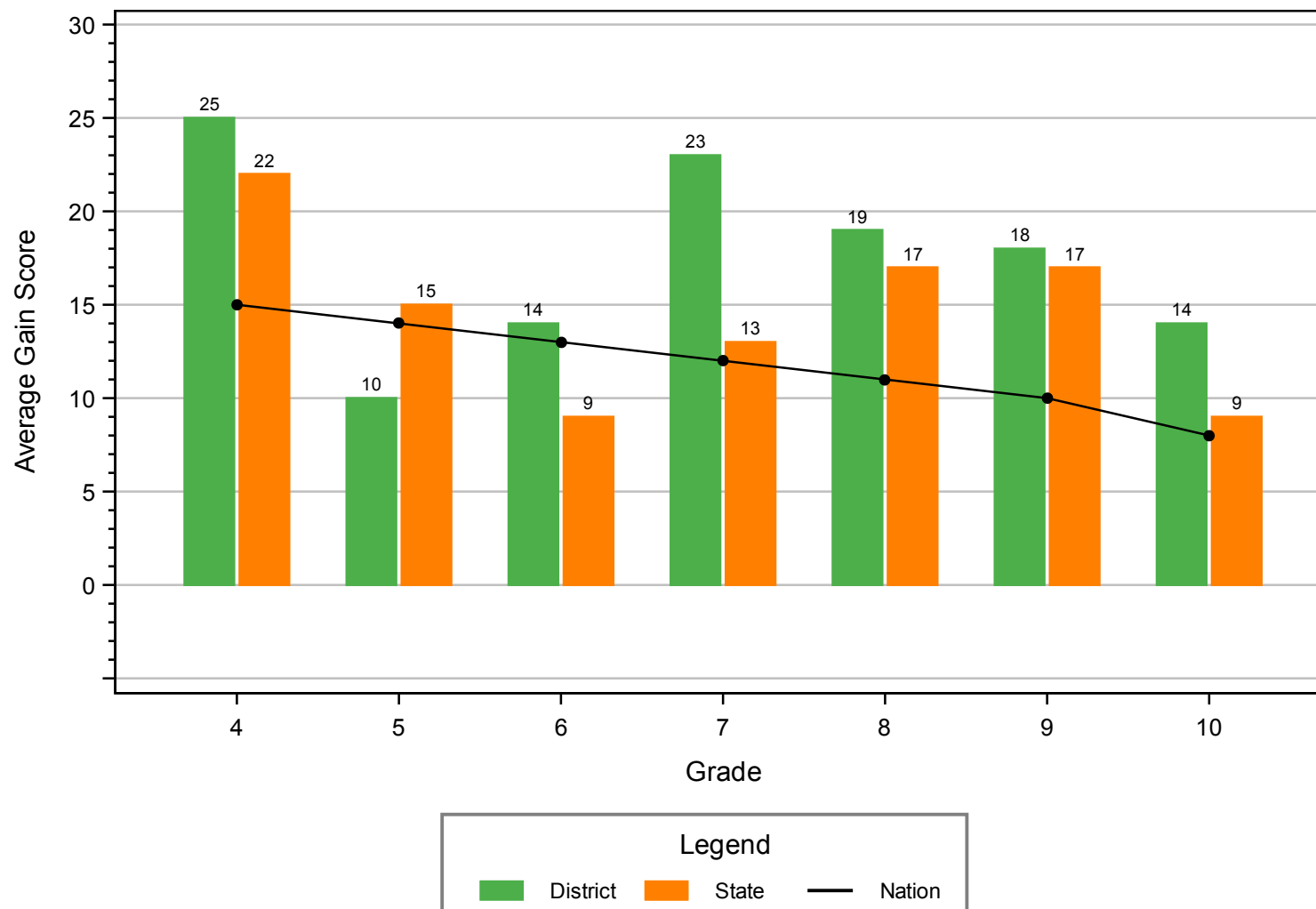
Notes: 1) If it has been more than one year since testing, your scores may be slightly higher. 2) Check to make sure that you are viewing the most current report. Any data changes or additions may not be reflected. If your district splits testing by grade level, this report may be incomplete. 3) Gain Scores in this report were calculated at the individual level.  $\text{GainScore} = (\text{NSS\_Year2} - \text{NSS\_Year1})$ .

**Table 1**  
**Average Gain Scores for Reading, Mathematics, and Science**  
**Hudson Community School District: 2017-2018**

| <i>Grade</i> | <i>District</i> | <i>Reading</i>  |              |               | <i>Mathematics</i> |              |               | <i>Science</i>  |              |               |
|--------------|-----------------|-----------------|--------------|---------------|--------------------|--------------|---------------|-----------------|--------------|---------------|
|              | <i>Size</i>     | <i>District</i> | <i>State</i> | <i>Nation</i> | <i>District</i>    | <i>State</i> | <i>Nation</i> | <i>District</i> | <i>State</i> | <i>Nation</i> |
| 4            | 52              | 25              | 22           | 15            | 21                 | 16           | 15            | 20              | 20           | 15            |
| 5            | 59              | 10              | 15           | 14            | 17                 | 13           | 14            | 13              | 9            | 14            |
| 6            | 56              | 14              | 9            | 13            | 22                 | 13           | 13            | 16              | 12           | 13            |
| 7            | 45              | 23              | 13           | 12            | 16                 | 16           | 12            | 19              | 19           | 12            |
| 8            | 54              | 19              | 17           | 11            | 6                  | 11           | 11            | 17              | 17           | 11            |
| 9            | 65              | 18              | 17           | 10            | 14                 | 12           | 10            | 7               | 9            | 10            |
| 10           | 45              | 14              | 9            | 8             | 15                 | 13           | 8             | 7               | 9            | 8             |

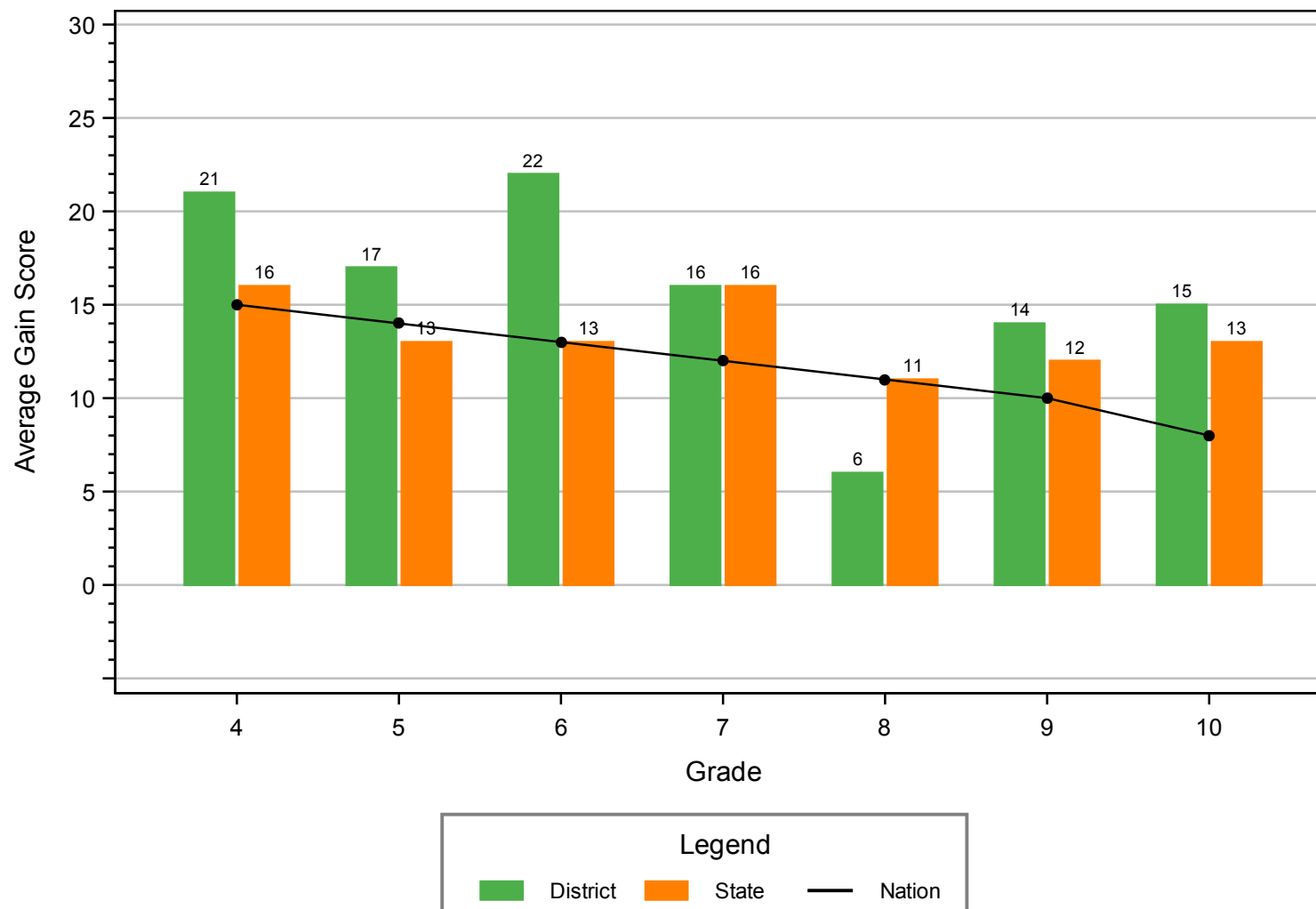
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**Figure 1**  
**Reading: Average Gain Scores by Grade**  
**Hudson Community School District: 2017-2018**



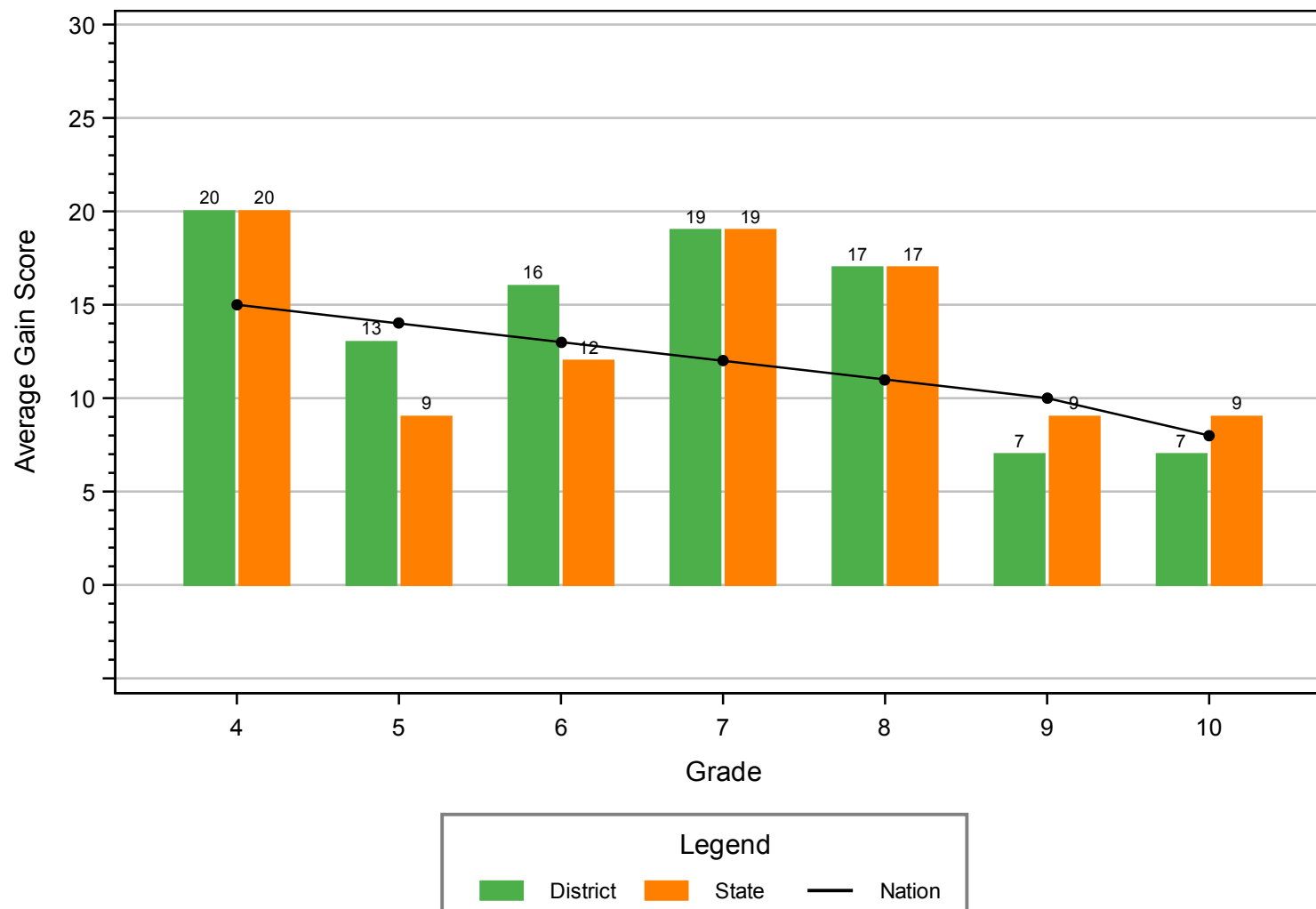
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**Figure 2**  
**Mathematics: Average Gain Scores by Grade**  
**Hudson Community School District: 2017-2018**



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**Figure 3**  
**Science: Average Gain Scores by Grade**  
**Hudson Community School District: 2017-2018**



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