

Overall Results

- In 2013, the average score of eighth-grade students in Wyoming was 271. This was higher than the average score of 266 for public school students in the nation.
- The average score for students in Wyoming in 2013 (271) was not significantly different from their average score in 2011 (270) and was higher than their average score in 1998 (263).
- The score gap between higher performing students in Wyoming (those at the 75th percentile) and lower performing students (those at the 25th percentile) was 37 points in 2013. This performance gap was not significantly different from that in 1998 (42 points).
- The percentage of students in Wyoming who performed at or above the NAEP *Proficient* level was 38 percent in 2013. This percentage was not significantly different from that in 2011 (38 percent) and was greater than that in 1998 (31 percent).
- The percentage of students in Wyoming who performed at or above the NAEP *Basic* level was 84 percent in 2013. This percentage was greater than that in 2011 (82 percent) and in 1998 (76 percent).

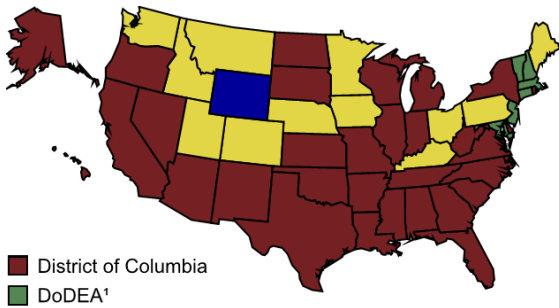
Achievement-Level Percentages and Average Score Results

| Year                      | Percent below Basic | Percent at Basic, Proficient or Advanced | Average Score |
|---------------------------|---------------------|--|---------------|
| Wyoming 1998 <sup>a</sup> | 24*                 | 46                                       | 262*          |
| Wyoming 1998              | 24*                 | 45                                       | 263*          |
| Wyoming 2002              | 22*                 | 47                                       | 265*          |
| Wyoming 2003              | 21*                 | 45                                       | 267*          |
| Wyoming 2005              | 19*                 | 45                                       | 268*          |
| Wyoming 2007              | 20*                 | 47                                       | 266*          |
| Wyoming 2009              | 18                  | 47                                       | 268*          |
| Wyoming 2011              | 18*                 | 44                                       | 270           |
| Wyoming 2013              | 16                  | 47                                       | 271           |
| Nation (public) 2013      | 23                  | 42                                       | 266           |

\* Significantly different ( $p < .05$ ) from state's results in 2013. Significance tests were performed using unrounded numbers.  
<sup>a</sup> Accommodations not permitted. For information about NAEP accommodations, see <http://nces.ed.gov/nationsreportcard/about/inclusion.aspx>.

NOTE: Detail may not sum to totals because of rounding.

Compare the Average Score in 2013 to Other States/Jurisdictions

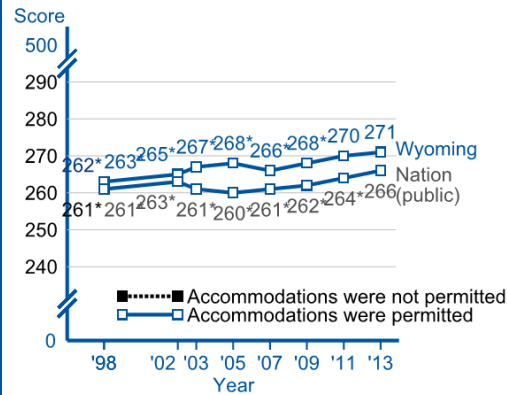


<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).

In 2013, the average score in **Wyoming** (271) was

- lower than those in 7 states/jurisdictions
- higher than those in 32 states/jurisdictions
- not significantly different from those in 12 states/jurisdictions

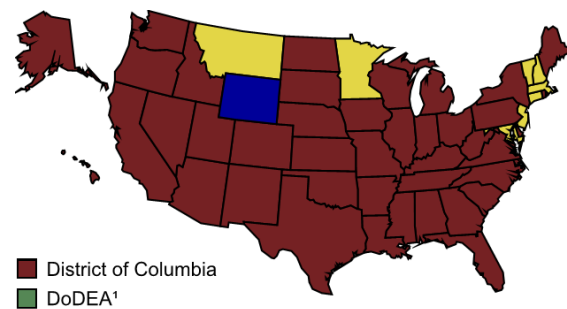
Average Scores for State/Jurisdiction and Nation (public)



\* Significantly different ( $p < .05$ ) from 2013. Significance tests were performed using unrounded numbers.

NOTE: For information about NAEP accommodations, see <http://nces.ed.gov/nationsreportcard/about/inclusion.aspx>.

Compare at or above Basic in 2013 to Other States/Jurisdictions

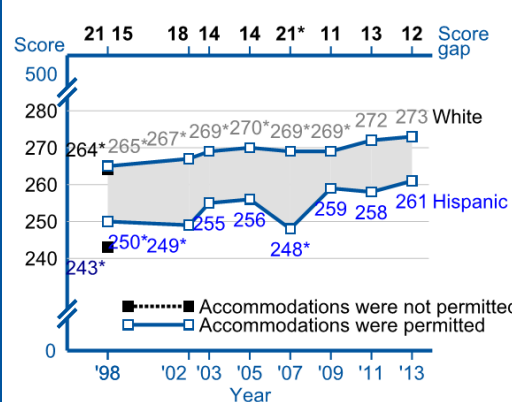


<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).

In 2013, the percentage at or above *Basic* in **Wyoming** (84) was

- smaller than that in 1 state/jurisdiction
- greater than those in 42 states/jurisdictions
- not significantly different from those in 8 states/jurisdictions

White - Hispanic Score Gap



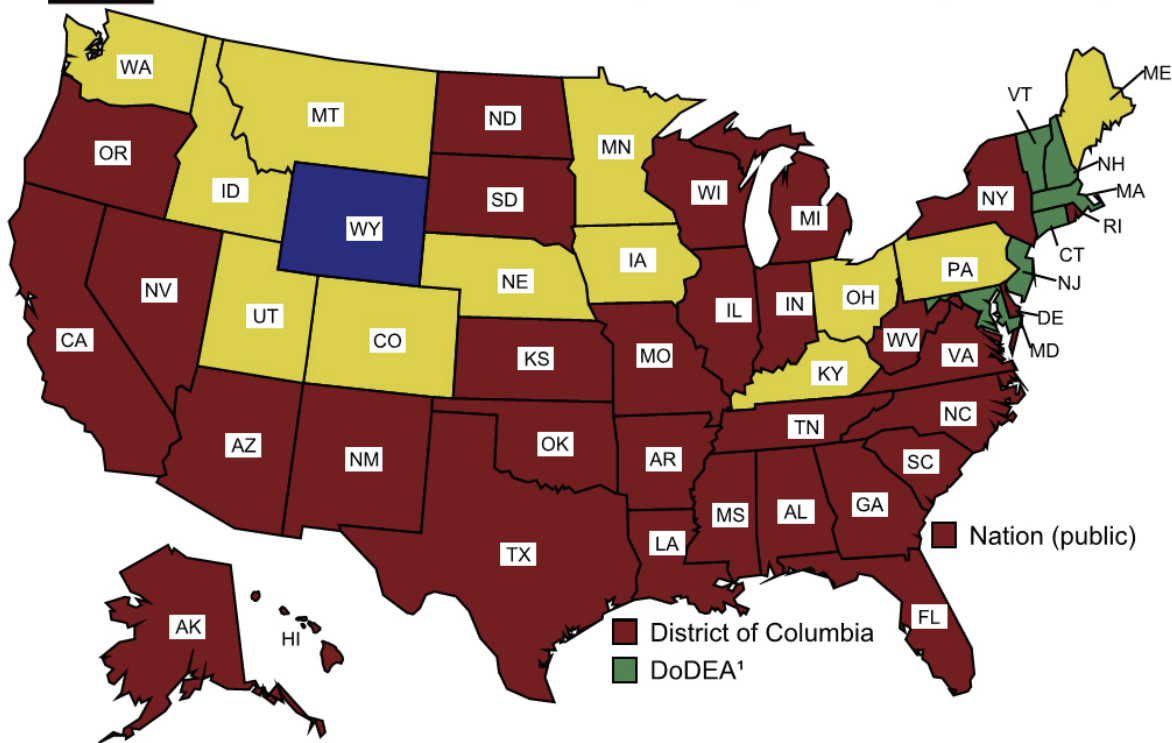
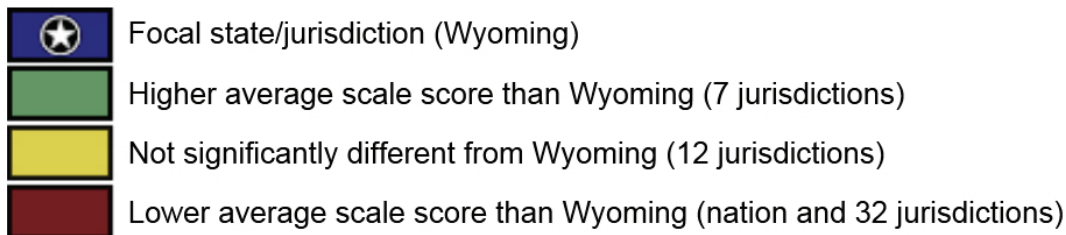
\* Significantly different ( $p < .05$ ) from 2013. Significance tests were performed using unrounded numbers.

NOTE: For information about NAEP accommodations, see <http://nces.ed.gov/nationsreportcard/about/inclusion.aspx>.

National Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess eighth graders' skills in two reading areas: Literary Texts and Informational Texts. Scale scores range from 0 to 500, wherein a 243 denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 281 reflects *Proficient* results or competency on challenging material, and 323 is considered to be *Advanced*.

Wyoming and the Nation — Grade 8 Reading Scale Scores



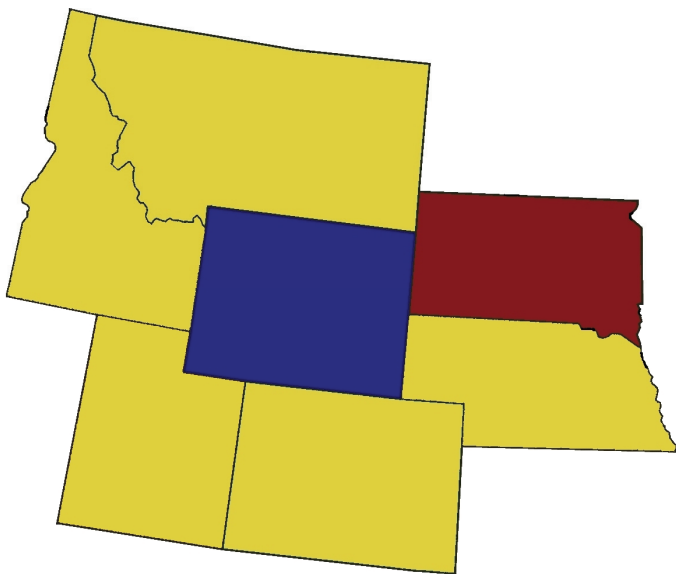
- ▶ On the 2013 reading assessment, Wyoming 8th graders had an average scale score that was reliably higher than students in Alabama, Alaska, Arizona, Arkansas, California, Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Louisiana, Michigan, Mississippi, Missouri, Nevada, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Oregon, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Virginia, West Virginia and Wisconsin.
- ▶ Wyoming 8th graders had an average scale score that was not statistically different from students in Colorado, Idaho, Iowa, Kentucky, Maine, Minnesota, Montana, Nebraska, Ohio, Pennsylvania, Utah and Washington.
- ▶ Wyoming 8th graders had an average scale score that was reliably lower than students in Connecticut, Department of Defense schools, Massachusetts, Maryland, New Hampshire, New Jersey and Vermont.

Grade 8 Report

Regional Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess eighth graders' skills in two reading areas: Literary Texts and Informational Texts. Scale scores range from 0 to 500, wherein a 243 denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 281 reflects *Proficient* results or competency on challenging material, and 323 is considered to be *Advanced*.

Scale Scores

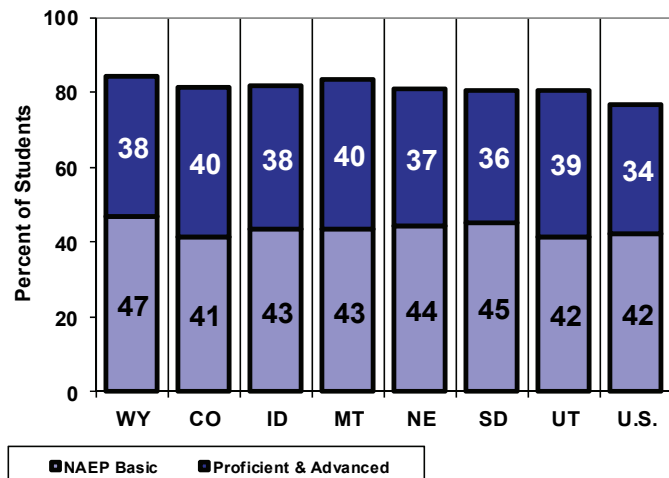


Legend: Wyoming (blue) is the focal state. States in yellow were not statistically different from Wyoming. States in red scored reliably lower than Wyoming.

- ▶ In 2013, the average reading scale score for 8th grade students in Wyoming was 271; this was reliably higher than the national average (266).
- ▶ Wyoming 8th graders had a higher average reading scale score in 2013 than their peers in South Dakota.
- ▶ Wyoming 8th grade average reading scale score in 2013 that was not statistically different from Colorado, Idaho, Montana, Nebraska or Utah.

Achievement Levels

- ▶ Eighty-four (84) percent of Wyoming's 8th graders scored at or above *Basic* on the 2013 reading assessment. This was reliably higher than the nation's 77 percent.
- ▶ Wyoming had a higher percentage of 8th graders scoring at or above *Basic* on the 2013 reading assessment than Nebraska, South Dakota, and Utah.
- ▶ The percentage of Wyoming's 8th graders scoring at or above *Basic* on reading in 2013 was not reliably different from Colorado, Idaho, or Montana.

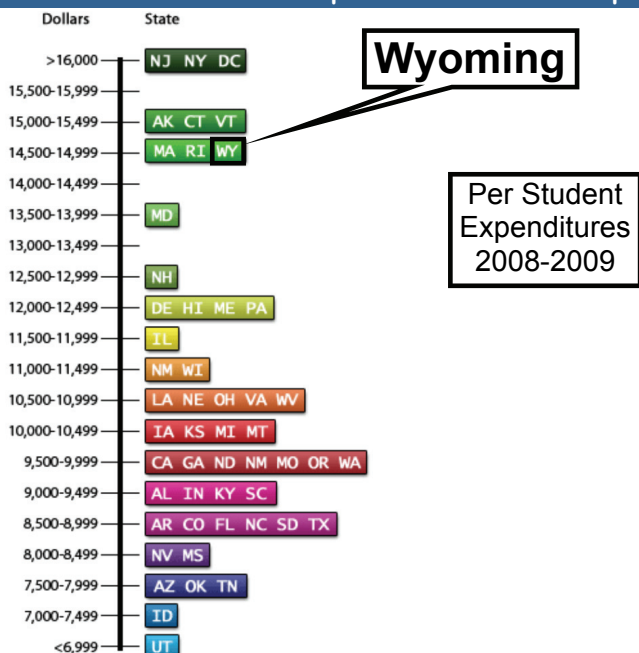


## Grade 8 Report

### Funding Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess eighth graders' skills in two reading areas: Literary Texts and Informational Texts. Scale scores range from 0 to 500, wherein a 243 denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 281 reflects *Proficient* results or competency on challenging material, and 323 is considered to be *Advanced*.

### Per Capita Student Expenditures During 2008-2009



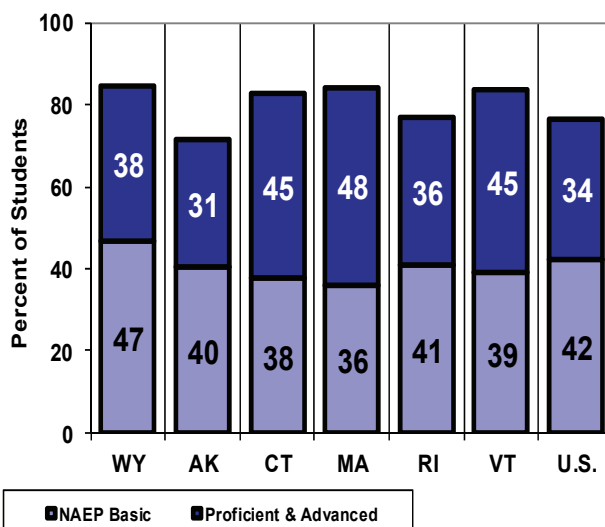
- Wyoming was among six states reporting per student expenditures between \$14,500 and \$15,500 during school year 2008-2009 (most recent data available). The other states were Alaska, Connecticut, Massachusetts, Rhode Island, and Vermont.

NOTE: The prekindergarten student membership was imputed for some states, affecting the total student count and per pupil expenditures calculation. Some values were affected by redistribution of reported expenditure values to correct for missing data items, and/or to distribute state direct support expenditures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "National Public Education Financial Survey (NPEFS)," fiscal year 2009, Version 1a.

### Achievement Levels

- Eighty-one (84) percent of Wyoming 8th graders scored at or above *Basic* on the 2013 reading assessment. This was higher than the nation's 77 percent.
- Wyoming also had a higher percentage of 8th graders scoring at or above *Basic* than Alaska, and Rhode Island—states with similar per-student expenditures.
- The percentage of Wyoming 8th graders scoring at or above *Basic* was not reliably different from peer expenditure states Connecticut, Massachusetts, or Vermont.

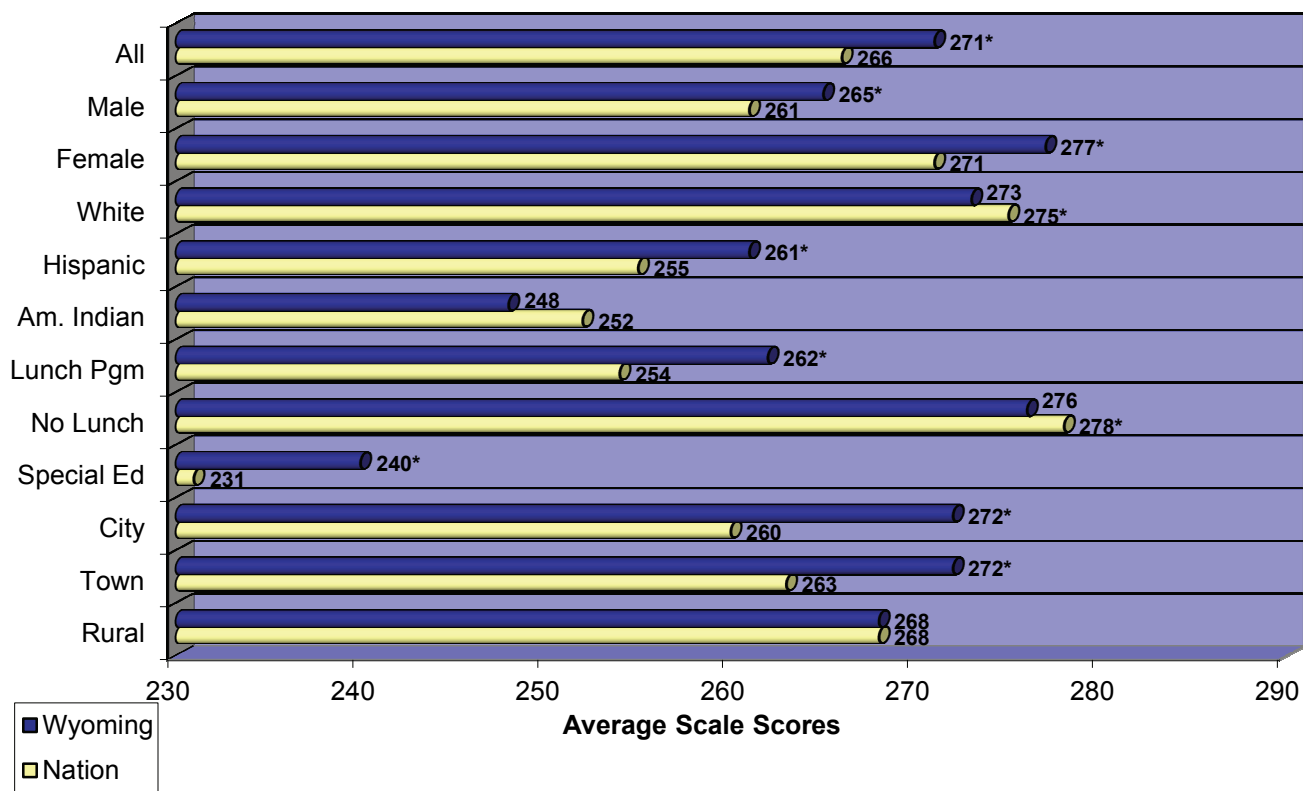


WY-US Student Gaps Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' skills in two reading areas: Literary Texts and Informational Texts. Scale scores range from 0 to 500, wherein a 208 denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 238 reflects *Proficient* results or competency on challenging material, and 268 is considered to be *Advanced*.

Student Group Comparisons

Wyoming and National Results



- ▶ In 2013, Wyoming eighth graders' scale scores in reading were above the average nationally. Wyoming also had higher results in seven student groups: male and female students, Hispanic students, students from low income families (i.e., students qualifying for free or reduced price meals from the National School Lunch Program), Special Education students, and students in city or town schools (as defined by the Census Bureau).
- ▶ Wyoming's fourth graders in rural schools and Native American fourth grade students both had average scale scores in reading that were not reliably different from their respective peer groups nationally.
- ▶ Wyoming's 2013 NAEP eighth grade reading scores were lower than the rest of the nation in the state's two largest demographic groups:
  - White students (81% of Wyoming's 8th graders), and
  - Non-eligible students (i.e., those *not* qualifying for free or reduced price meals from the National School Lunch Program—63% of Wyoming's 8th graders).

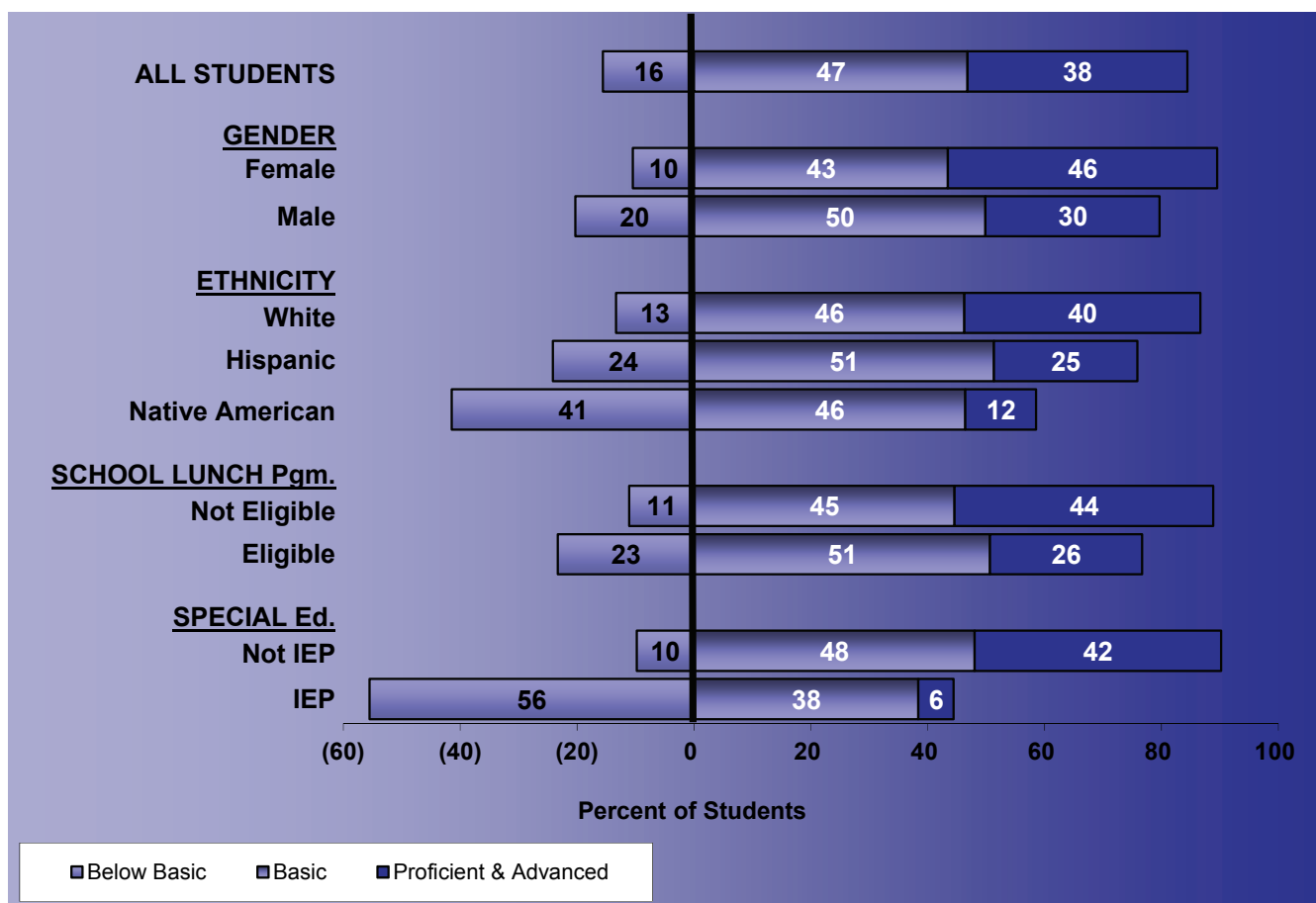


Grade 8 Report

Student Groups Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess eighth graders' skills in two reading areas: Literary Texts and Informational Texts. Scale scores range from 0 to 500, wherein a 243 denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 281 reflects *Proficient* results or competency on challenging material, and 323 is considered to be *Advanced*.

Student Groups in Wyoming



- ▶ On the NAEP 2013 reading assessment the proportion of eighth grade male students in Wyoming scoring at or above *Basic* (80 percent) was lower than female students(89 percent).
- ▶ The proportion of eighth grade Hispanic (76 percent) and Native American (58 percent) students in Wyoming scoring at or above *Basic* was lower than their White peers (86 percent). Sampling was not sufficient to permit reporting of reading performance for fourth grade Black and Asian students.
- ▶ Wyoming eighth graders qualifying for free or reduced price meals in the School Lunch Program and scoring at or above *Basic* (77 percent) was lower than students not eligible for the program (89 percent).
- ▶ Special education students scoring at or above *Basic* (44 percent) was lower than general education students (90 percent).
- ▶ Sampling was not sufficient to permit reporting of reading performance for grade eight English Language Learners in Wyoming.