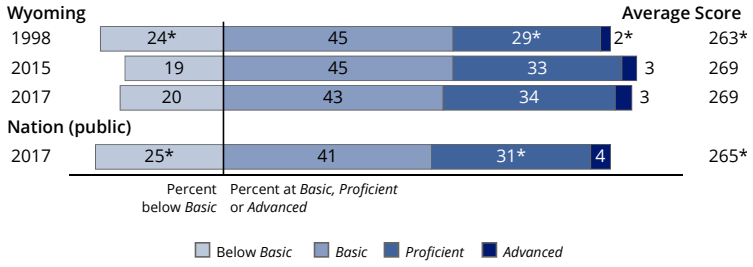
The Nation's Report Card

2017 Reading State Snapshot Report
Wyoming ▪ Grade 8 ▪ Public Schools

Overall Results

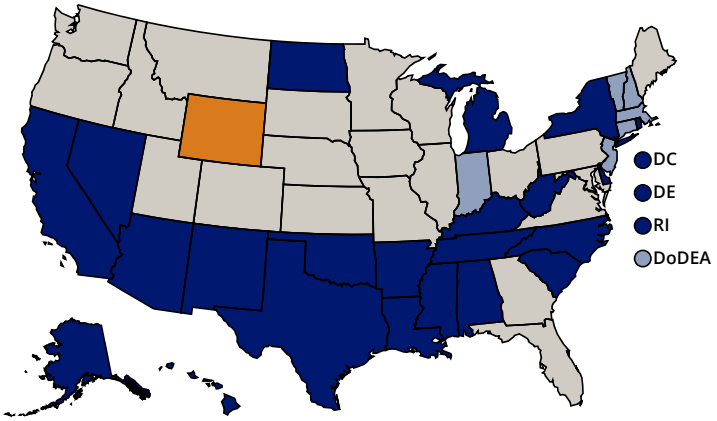
- In 2017, the average score of eighth-grade students in Wyoming was 269. This was higher than the average score of 265 for public school students in the nation.
- The average score for students in Wyoming in 2017 (269) was not significantly different from their average score in 2015 (269) and was higher than their average score in 1998 (263).
- The percentage of students in Wyoming who performed at or above the NAEP *Proficient* level was 38 percent in 2017. This percentage was not significantly different from that in 2015 (36 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 80 percent in 2017. This percentage was not significantly different from that in 2015 (81 percent) and was greater than that in 1998 (76 percent).

Achievement-Level Percentages and Average Score Results



* Significantly different ($p < .05$) from state's results in 2017. Significance tests were performed using unrounded numbers.
NOTE: Detail may not sum to totals because of rounding.

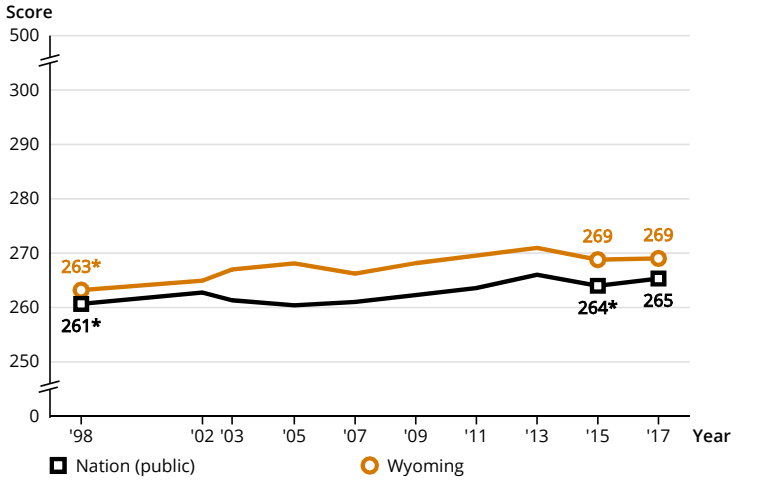
Compare the Average Score in 2017 to Other States/Jurisdictions



In 2017, the average score in Wyoming (269) was
- lower than those in 7 states/jurisdictions
- higher than those in 23 states/jurisdictions
- not significantly different from those in 21 states/jurisdictions

DoDEA = Department of Defense Education Activity (overseas and domestic schools)

Average Scores for State/Jurisdiction and Nation (public)



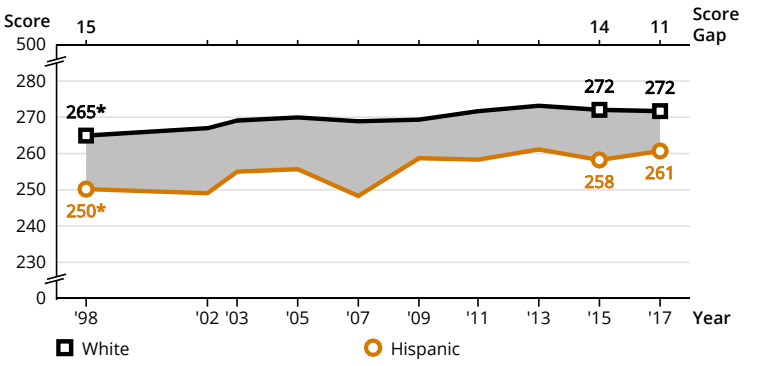
* Significantly different ($p < .05$) from 2017. Significance tests were performed using unrounded numbers.

Results for Student Groups in 2017

Reporting Groups	Percentage of students	Avg. score	Percentage at or above *Basic*	Percentage at or above *Proficient*	Percentage at *Advanced*
Race/Ethnicity					
White	79	272	83	41	4
Black	1	‡	‡	‡	‡
Hispanic	14	261	72	28	2
Asian	1	‡	‡	‡	‡
American Indian/Alaska Native	3	251	64	16	1
Native Hawaiian/Pacific Islander	#	‡	‡	‡	‡
Two or more races	2	‡	‡	‡	‡
Gender					
Male	52	262	75	30	2
Female	48	276	86	46	5
National School Lunch Program					
Eligible	37	259	71	25	2
Not eligible	62	275	86	45	4

\# Rounds to zero.
‡ Reporting standards not met.
NOTE: Detail may not sum to totals because of rounding, and because the "Information not available" category for the National School Lunch Program, which provides free/reduced-price lunches, is not displayed. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin.

White - Hispanic Score Gap



* Significantly different ($p < .05$) from 2017. Significance tests were performed using unrounded numbers.

ies NATIONAL CENTER FOR EDUCATION STATISTICS
Institute of Education Sciences

NOTE: The NAEP reading scale ranges from 0 to 500. Statistical comparisons are calculated on the basis of unrounded scale scores or percentages. Read more about how to interpret NAEP results from the reading assessment at https://nces.ed.gov/nationsreportcard/reading/interpret_results.aspx.
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998-2017 Reading Assessments.

Wyoming

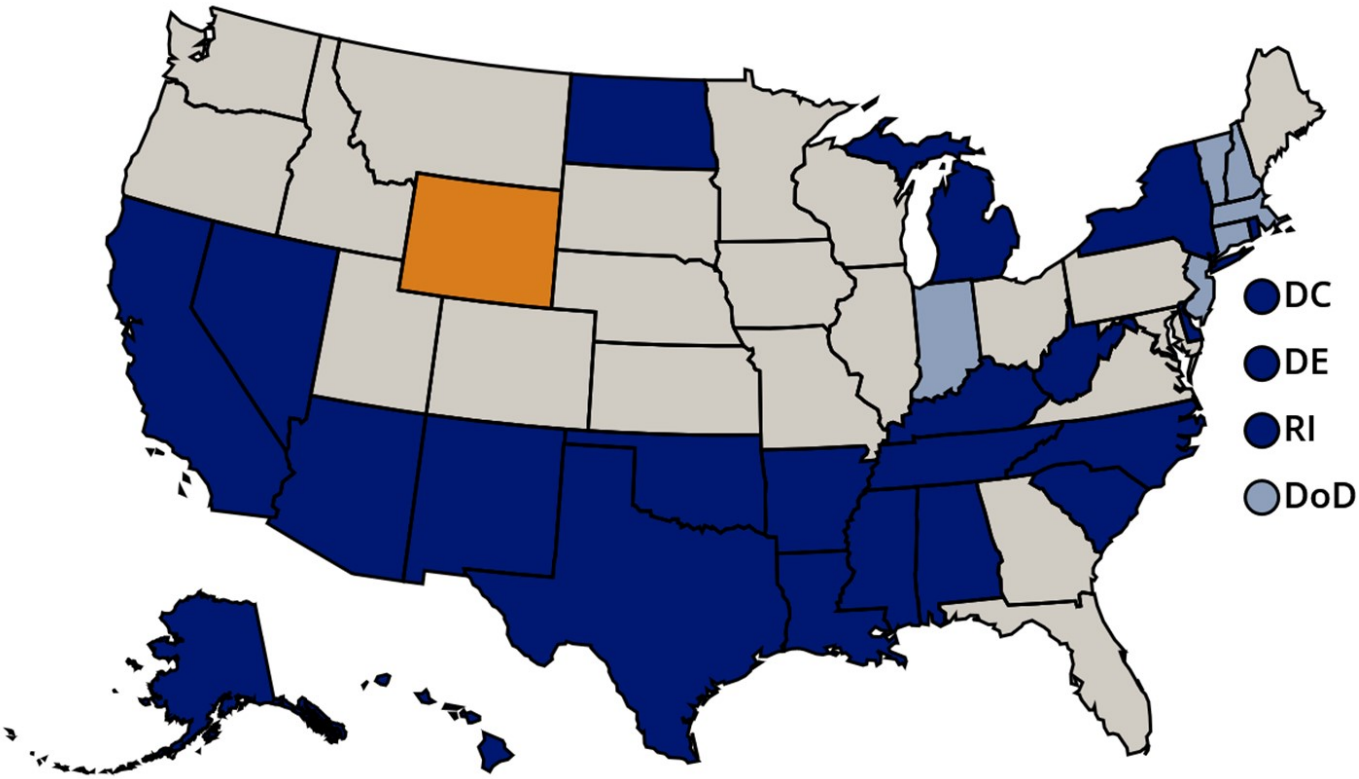
Reading 2017

Grade 8 Report

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 2017 reading assessment, Wyoming 8th graders had an average scale score that was reliably higher than students in Alabama, Alaska, Arizona, Arkansas, California, District of Columbia, Delaware, Hawaii, Louisiana, Michigan, Mississippi, Nevada, New Mexico, New York, North Carolina, Oklahoma, Rhode Island, South Carolina, Tennessee, Texas, and West Virginia.
- Wyoming 8th graders had an average scale score that was not statistically different from students in Colorado, Florida, Georgia, Idaho, Illinois, Iowa, Kansas, Kentucky, Maine, Maryland, Minnesota, Missouri, Montana, Nebraska, North Dakota, Ohio, Oregon, Pennsylvania, South Dakota, Virginia, Utah, Washington and Wisconsin.
- Wyoming 4th graders had an average scale score which was reliably lower than students in Connecticut, Indiana, Department of Defense Schools, Massachusetts, New Hampshire, New Jersey and Vermont.

Results are based on statistical tests which take into account the variability of NAEP sampling.
For additional results and more information about Wyoming NAEP, please visit:
http://edu.wyoming.gov/educators/assessment/naep.

Wyoming

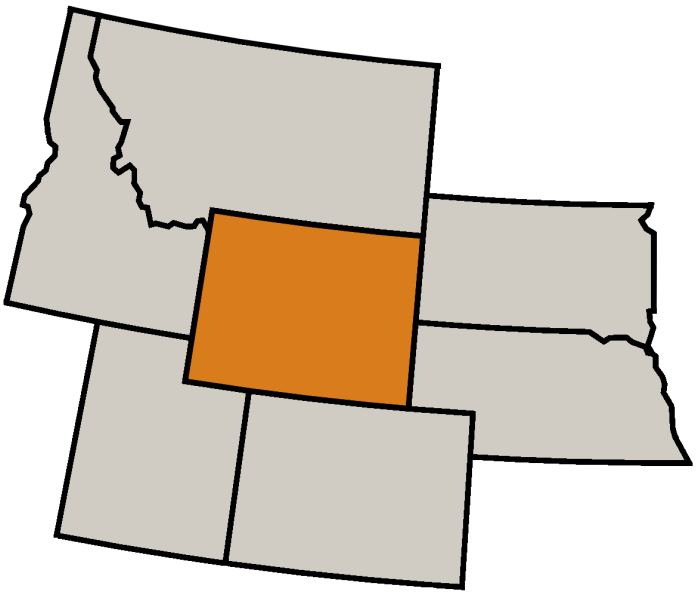
Reading 2017

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*.

Average Scale Scores

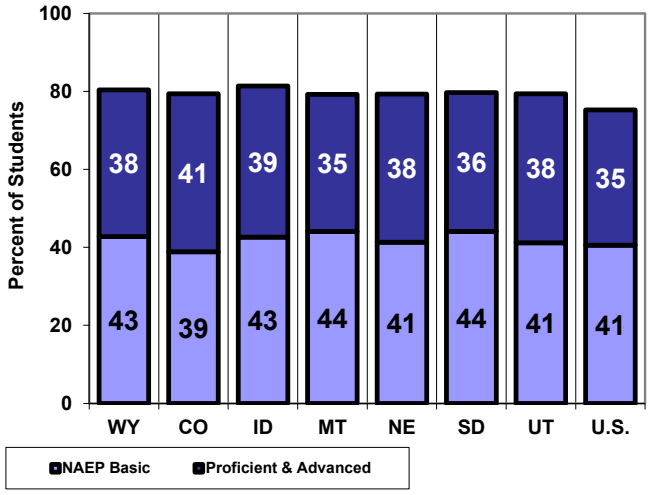


Legend: Wyoming is the focal state. States in beige were not statistically different from Wyoming.

- In 2017, the average reading scale score for 8th grade students in Wyoming was 269; this was reliably higher than the national average (265).
- Wyoming eighth graders had an average reading scale score in 2017 that was not statistically different from Colorado, Idaho, Montana, Nebraska, South Dakota or Utah.

Achievement Levels

- Eighty (81) percent of Wyoming's 8th graders scored at or above *Basic* on the 2017 reading assessment. This was higher than the nation's 75%
- The percentage of Wyoming's 8th graders scoring at or above *Basic* on reading in 2017 was not reliably different from Colorado, Idaho, Montana, Nebraska, South Dakota or Utah.



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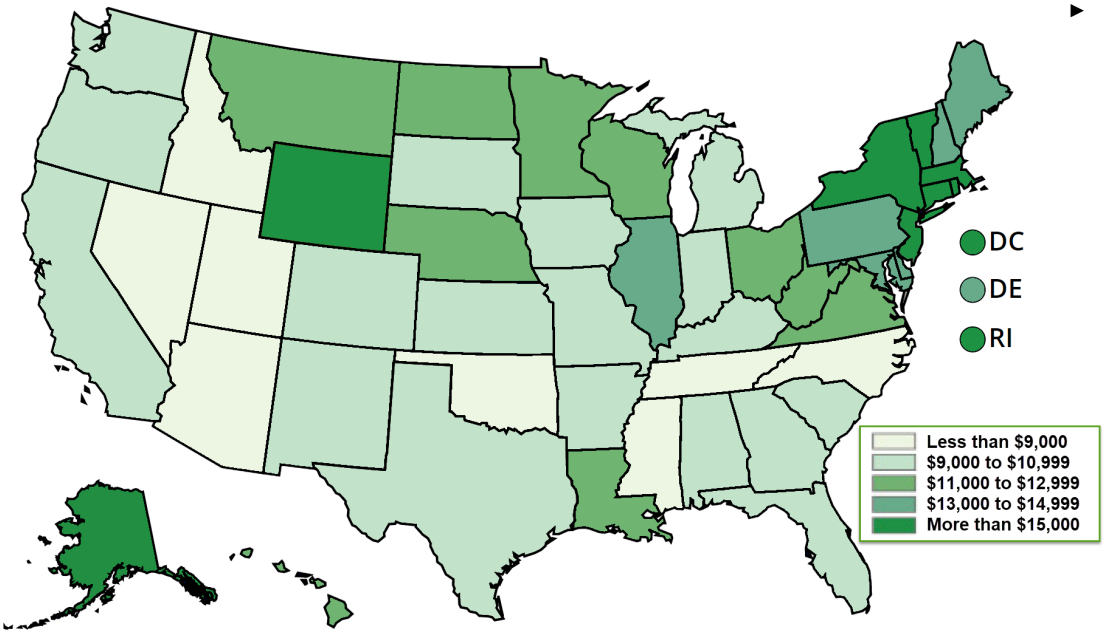
Funding Snapshot

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 2014-2015



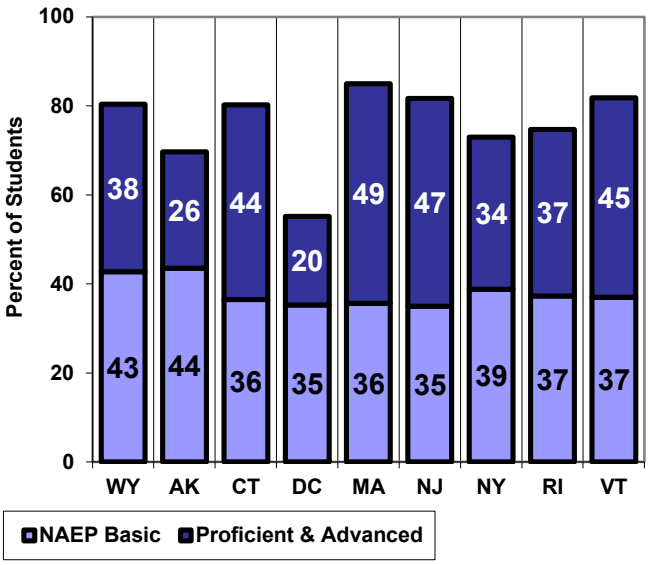
- Wyoming was one of nine jurisdictions spending over $15,000 per student during the 2014-2015 school year. Jurisdictions also at this spending level: Alaska, Connecticut, DC, Massachusetts, New Jersey, New York, Rhode Island, and Vermont.

NOTE: Current expenditures include instruction, instruction-related, support services, and other elementary/secondary expenditures, but exclude expenditures on capital outlay, other programs, and interest on long term debt. Interschool transactions are excluded to prevent double-counting.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "National Public Education Financial Survey (NPEFS)," fiscal year 2015, Provisional Version 1a.

Achievement Levels

- Eighty (80) percent of Wyoming 8th graders scored at or above *Basic* on the 2017 reading assessment. This was higher than the nation's 75 percent.
- Wyoming had a higher percentage of 8th graders scoring at or above *Basic* on the 2017 reading assessment than Alaska, District of Columbia, New York and Rhode Island i.e., states with similar per student expenditures.
- The percentage of Wyoming eighth grade students performing at or above *Basic* on the 2017 assessment was not reliably different from Connecticut, New Jersey and Vermont.
- The percentage of Wyoming eighth grade students performing at or above *Basic* on the 2017 assessment was lower than Massachusetts.



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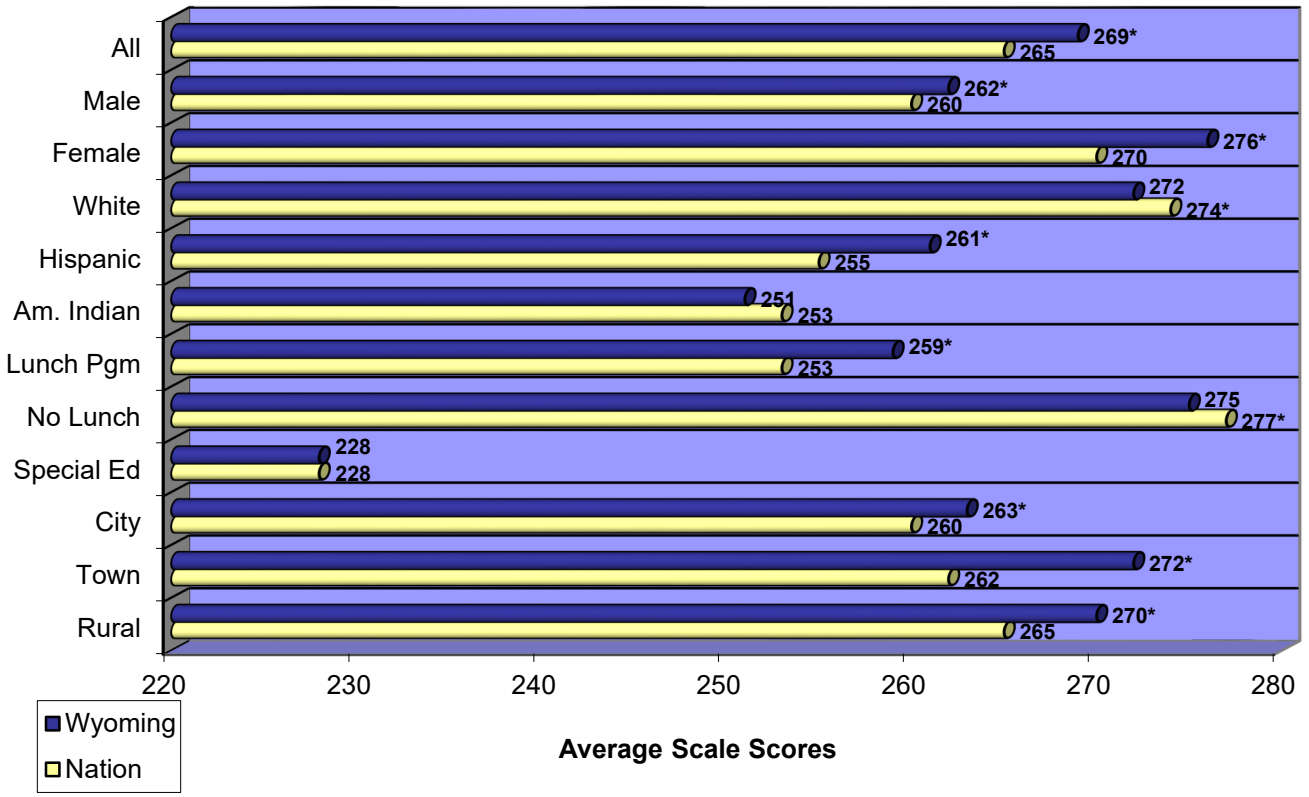
WY-US Student Gaps Snapshot

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 2017, 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) and students in city, town and rural schools (as defined by the Census Bureau).
- Wyoming Native American and Special Education students had average scale scores that were not reliably different from their respective peer groups nationally.
- Wyoming's White fourth graders and Non-eligible students (i.e., those *not* qualifying for free or reduced price meals from the National School Lunch Program) had average scale scores in reading that were *lower* than their peers nationally.

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Wyoming

Reading 2017

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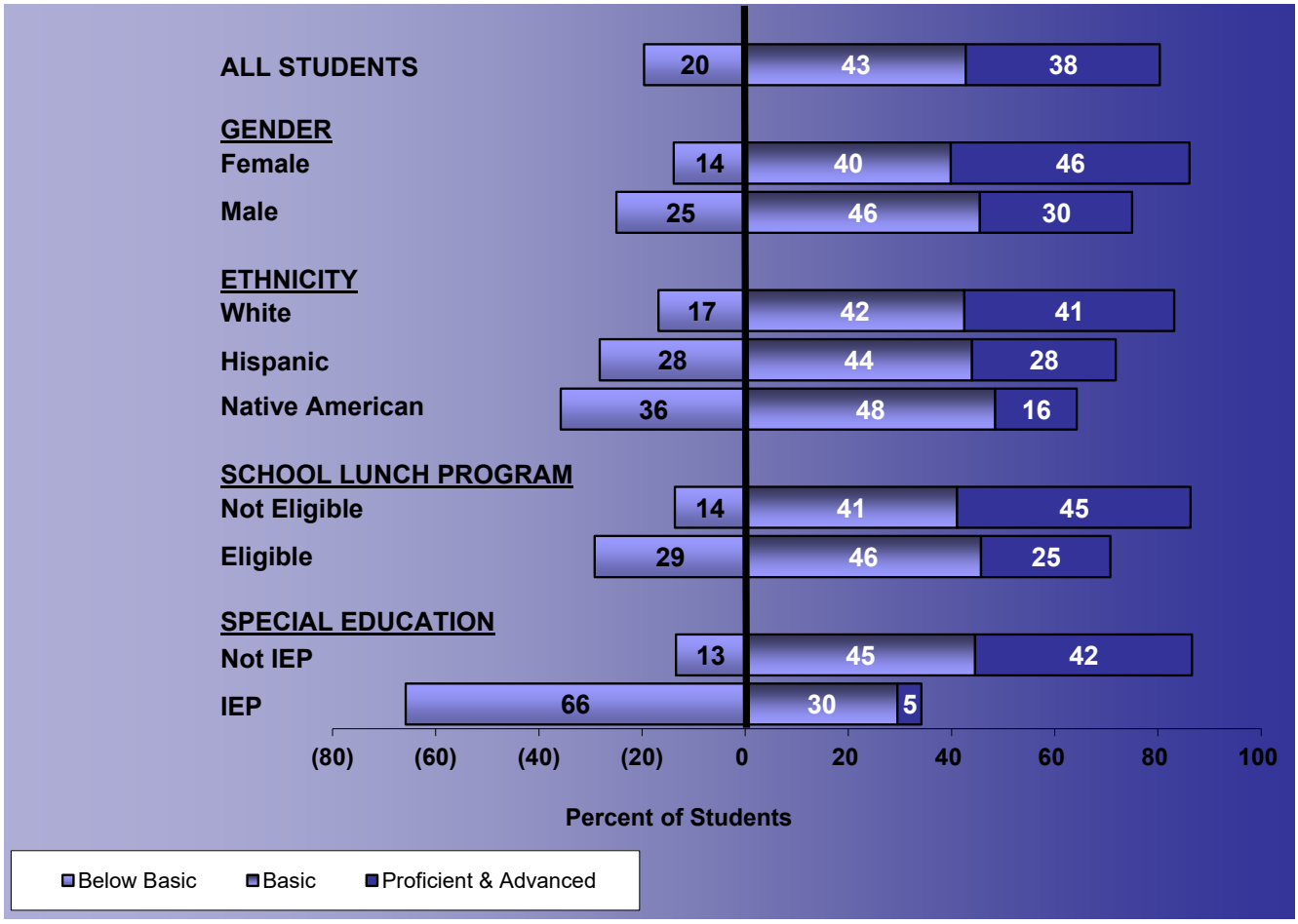
Student Groups Snapshot

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 2017 reading assessment the proportion of eighth grade male students in Wyoming scoring at or above *Basic* (76 percent) was lower than female students (86 percent).
- The proportion of eighth grade Hispanic students (72 percent) and Native American (64 percent) in Wyoming scoring at or above *Basic* was lower than their White peers (82 percent). Sampling was not sufficient to permit reporting of reading performance for eighth 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* (71 percent) was lower than students not eligible for the program (86 percent).
- Special education students scoring at or above *Basic* (35 percent) was lower than general education students (87 percent).
- Sampling was not sufficient to permit reporting of reading performance for eighth grade English Learners.

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