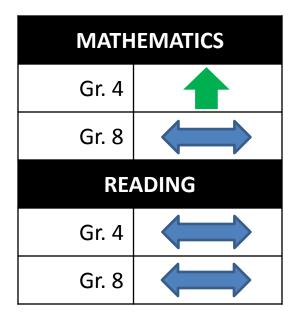
Overview – 2013 NAEP Sampling

- N-counts
 - In WY public schools: sample of nearly12,400 students in grades 4 and 8 across270 schools (approx)
 - US public schools: nearly 718,800 students across 14,450 schools (approx)
- Sampling variability and statistical significance testing is underlying all NAEP results
 - Very similar to how margin of error works in polling results

2013 Wyoming NAEP Report Card

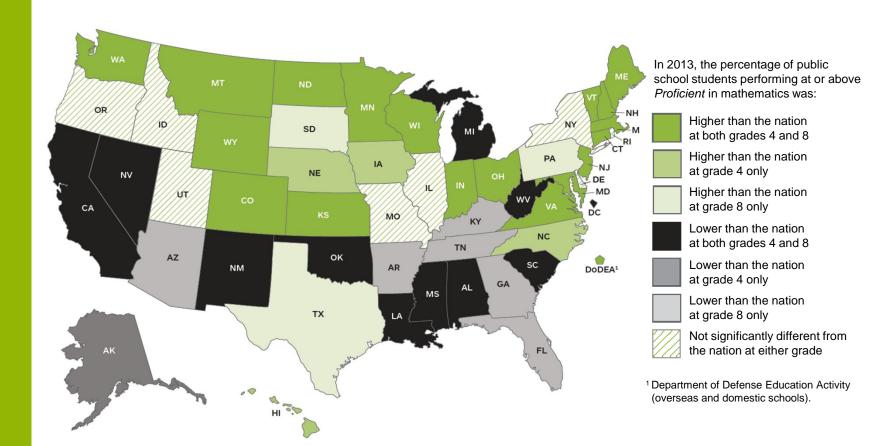
Increases since 2011 NAEP?



 Compared to 2009 NAEP results, however, 2013 scores are higher in reading and mathematics for both grades four and eight.

Mathematics

Percentages of 4th- and 8th-graders at or above *Proficient* in mathematics higher than the nation in 19 states/jurisdictions

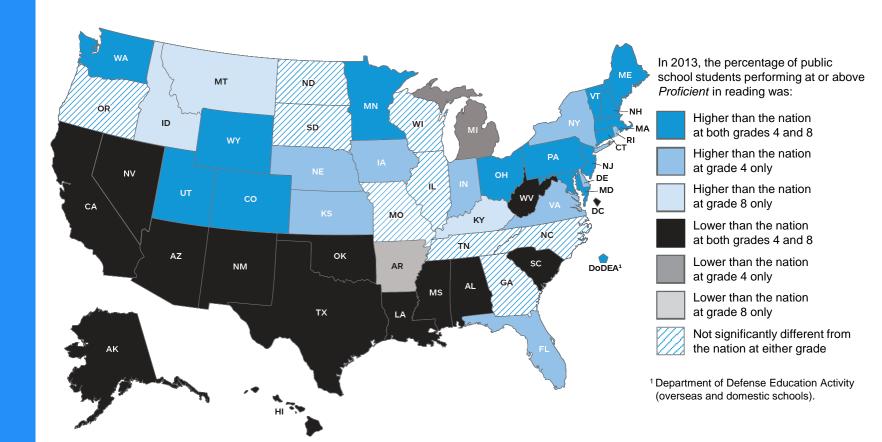






Reading

Percentages of 4th- and 8th-graders at or above *Proficient* in reading higher than the nation in 15 states/jurisdictions



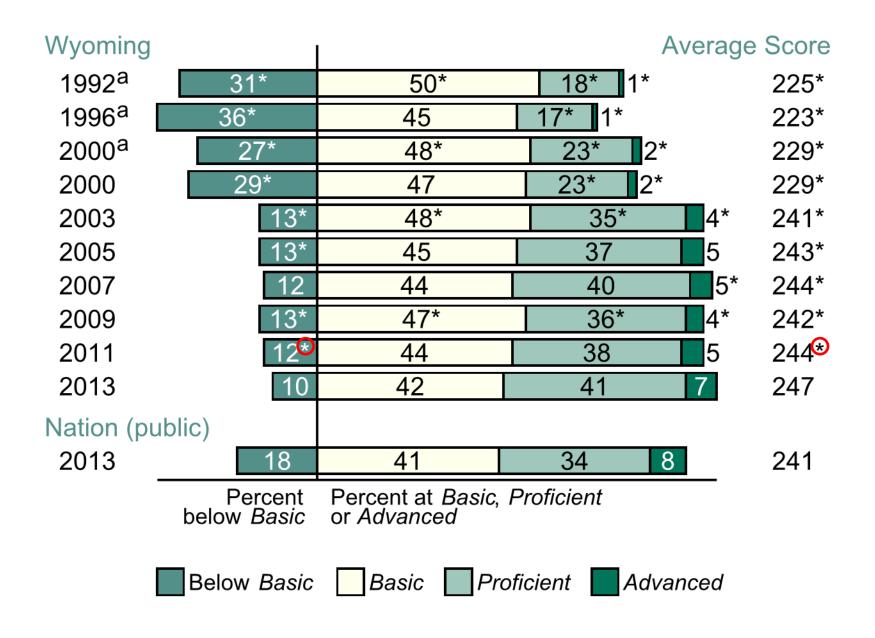


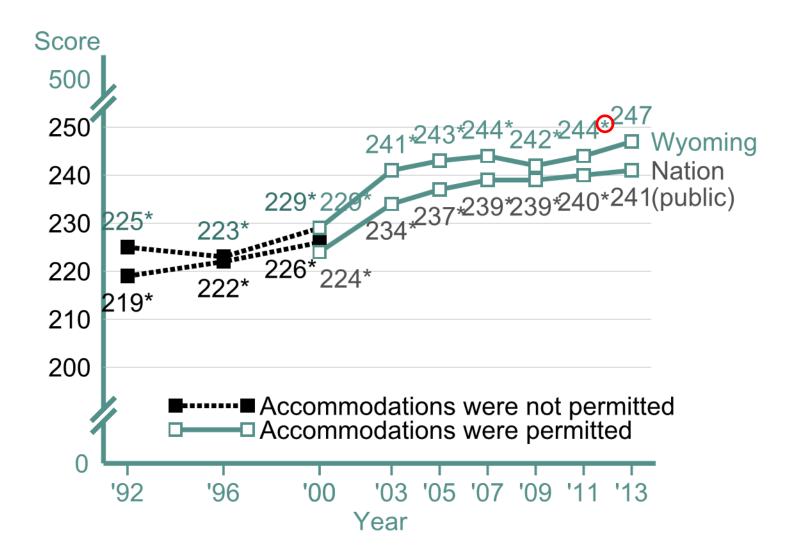


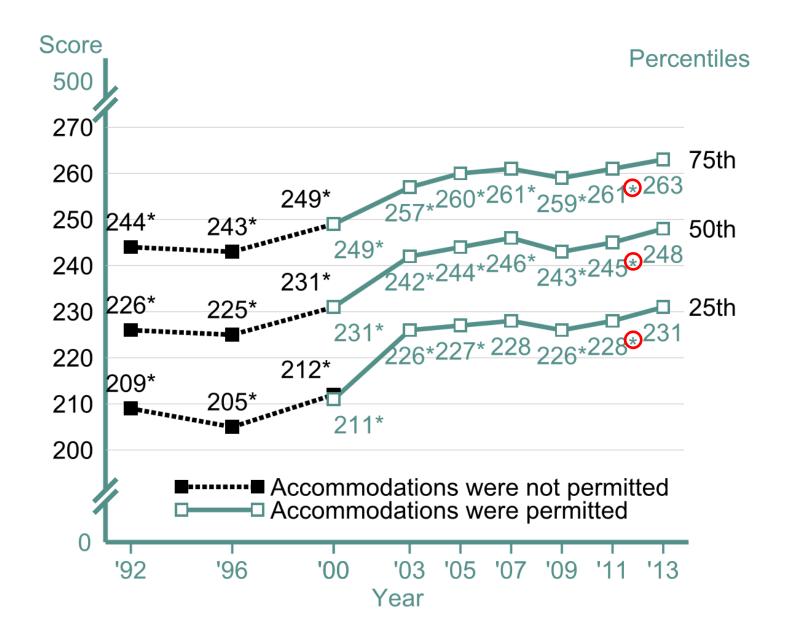
Grade Four Mathematics

Summaries:

Scale Scores, Achievement Levels, and Percentile Scores



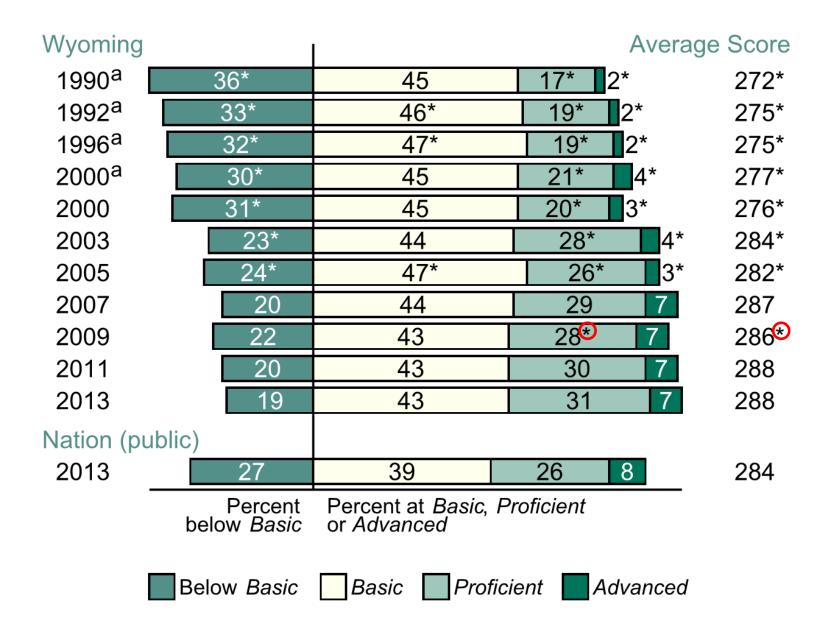


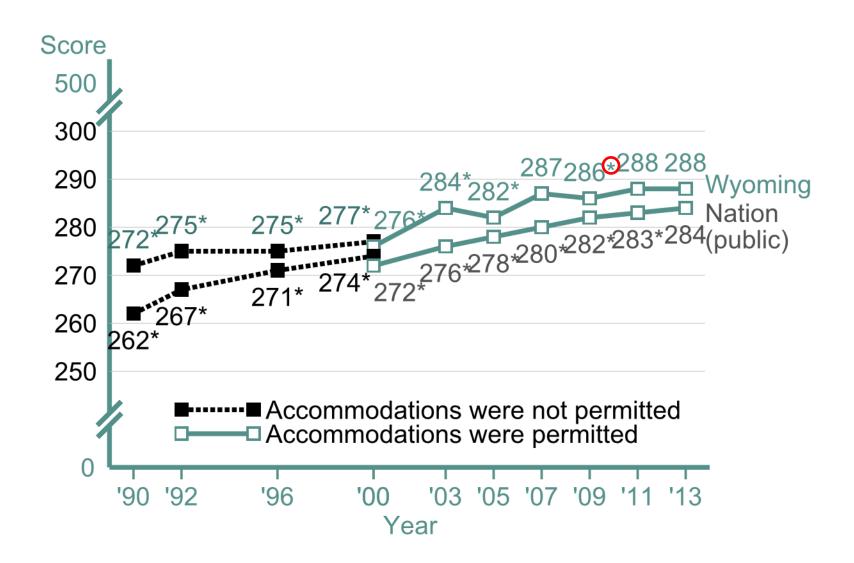


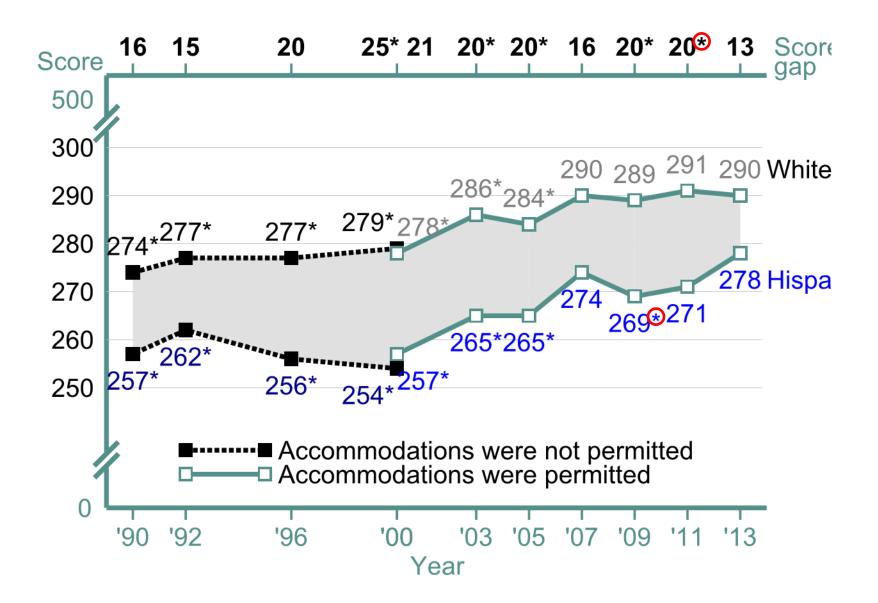
Grade Eight Mathematics

Summaries:

Scale Scores, Achievement Levels, and White/Hispanic Gap



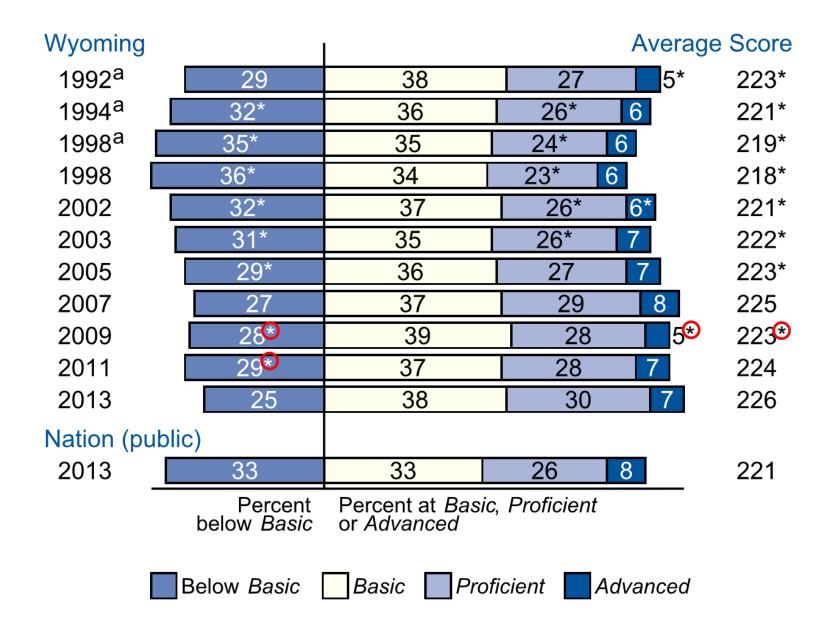


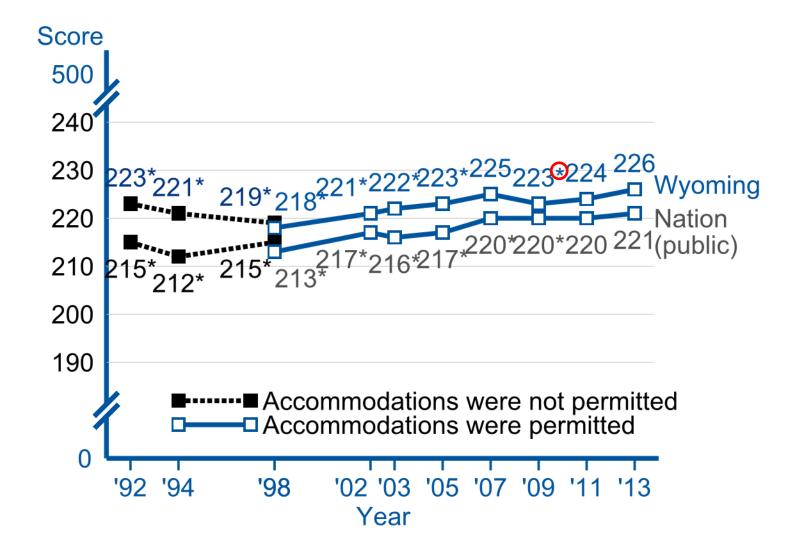


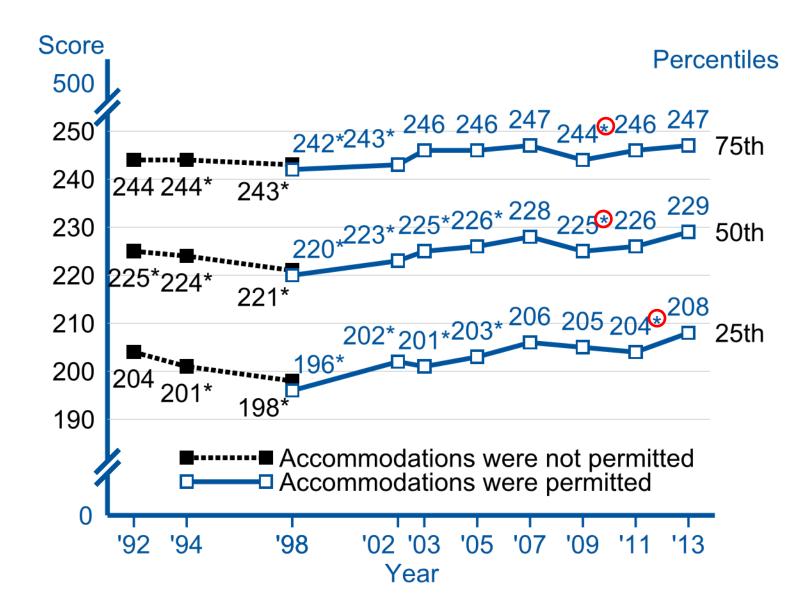
Grade Four Reading

Summaries:

Scale Scores, Achievement Levels, and Percentile Scores



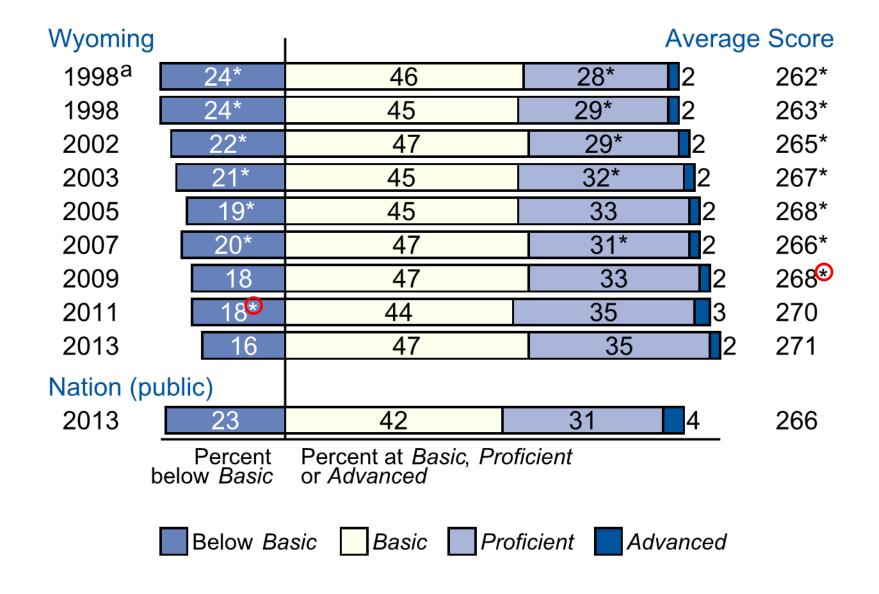


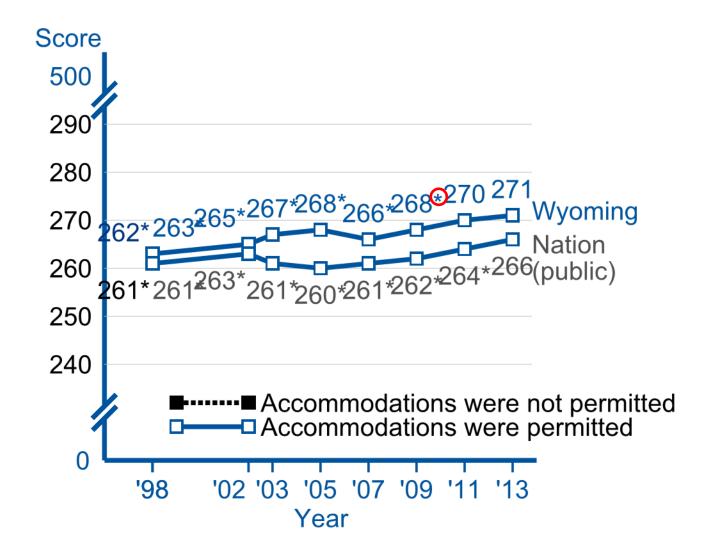


Grade Eight Reading

Summaries:

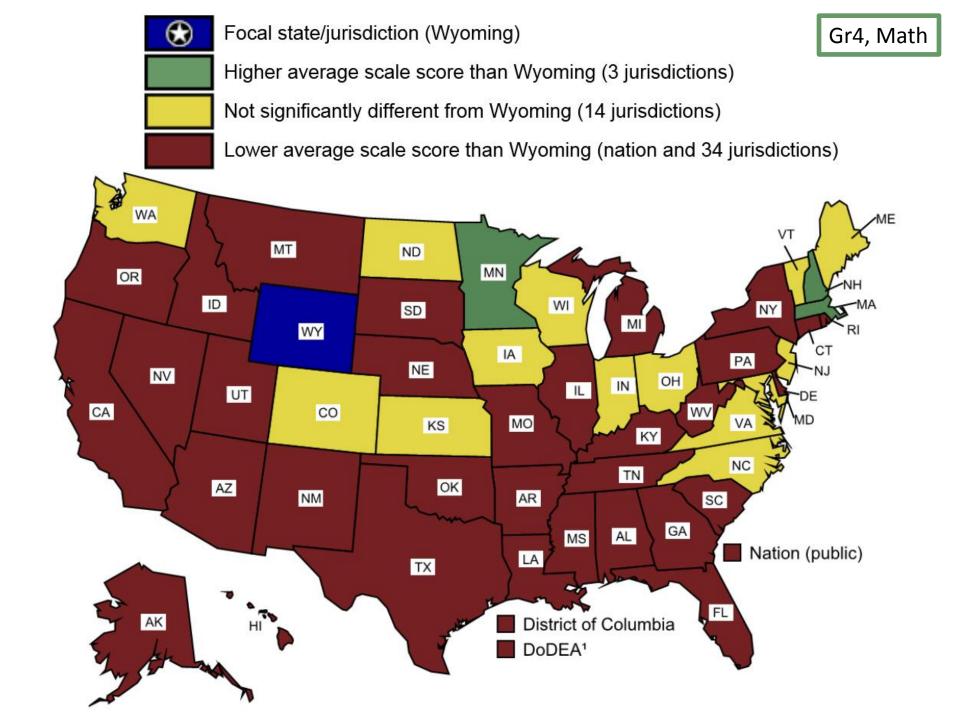
Scale Scores and Achievement Levels

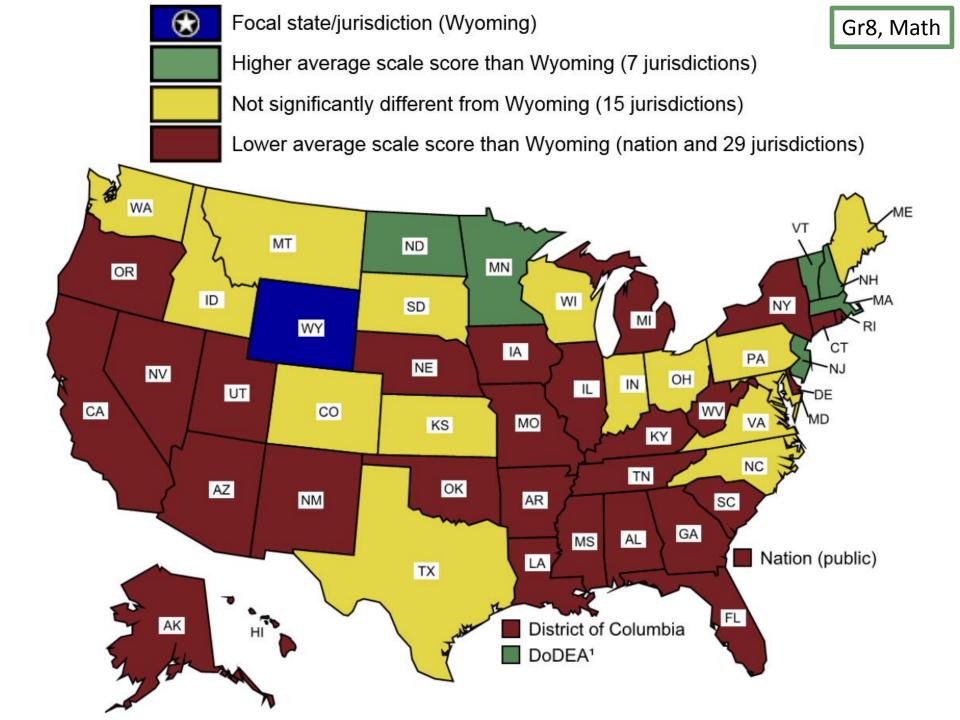


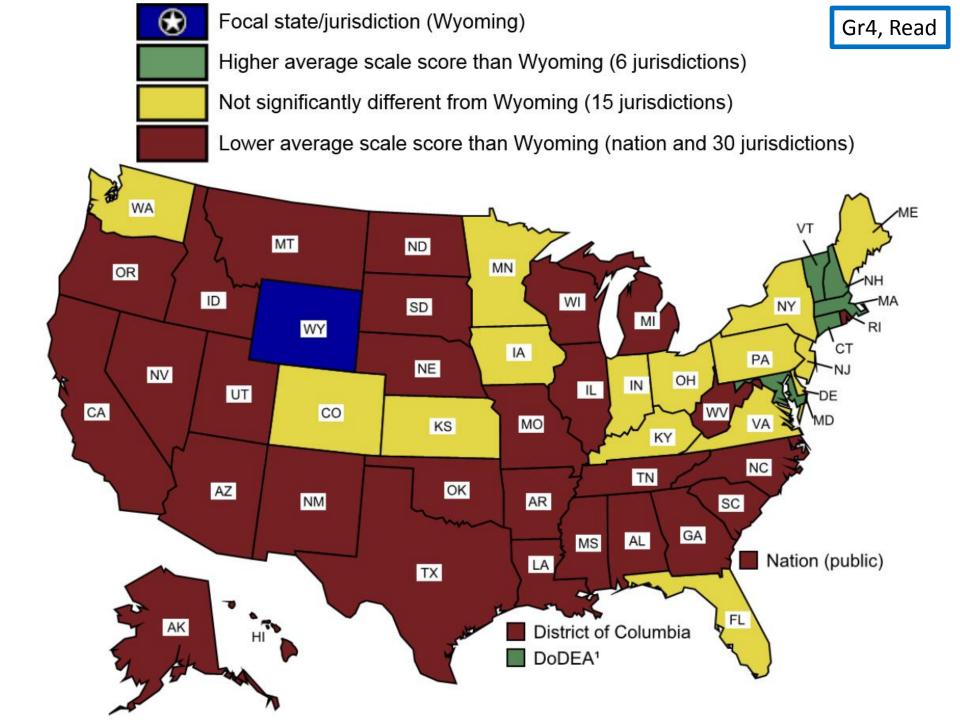


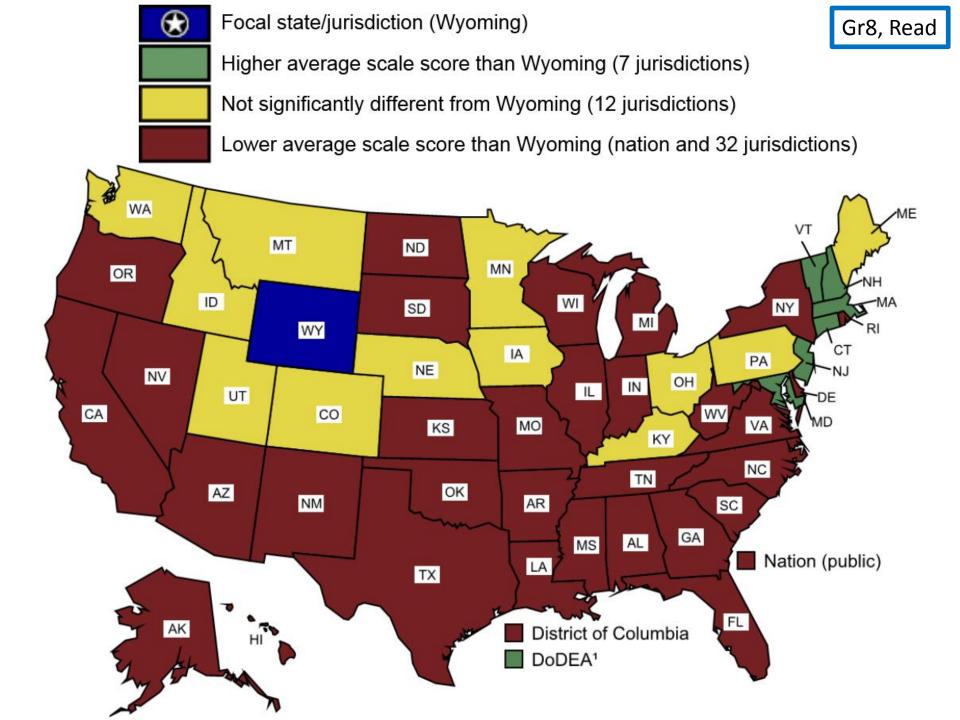
State-to-State Comparisons

Average Scale Scores: States higher, lower, or even with WY



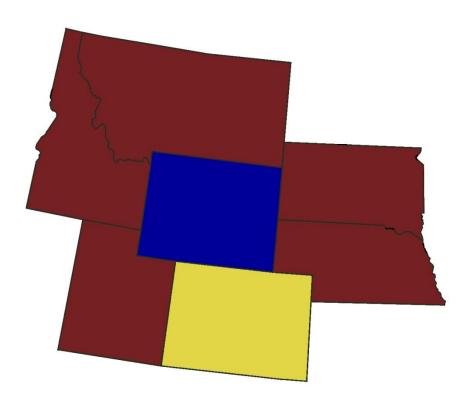






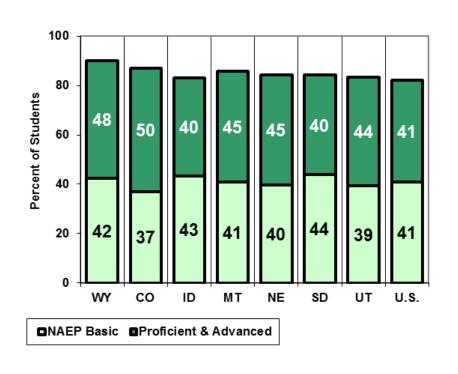
Regional Comparisons

Average Scale Scores and Achievement Levels (at/above NAEP *Basic*)

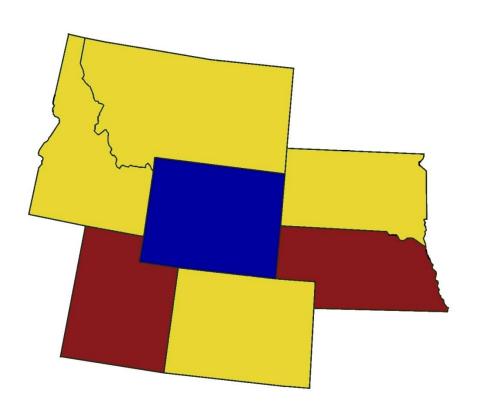


Legend: Wyoming (blue) is the focal state. States in yellow were not statistically different from Wyoming. States in red scored reliably lower than Wyoming.

Achievement Levels

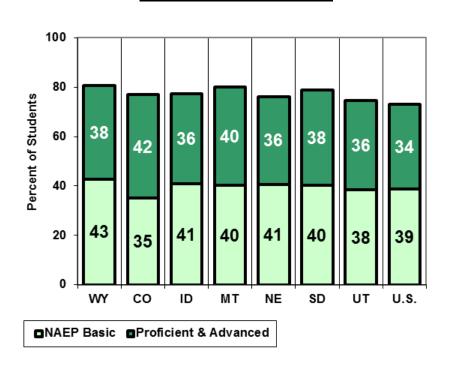


% At/Above NAEP *Basic* <u>WY ></u> <u>WY =</u> ID, MT, CO NE, SD, UT, US



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

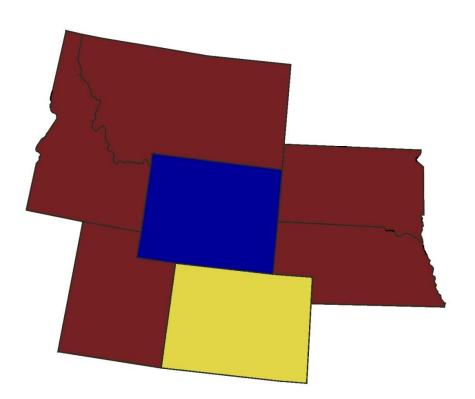
Achievement Levels



% At/Above NAEP *Basic*
 WY >
 WY =

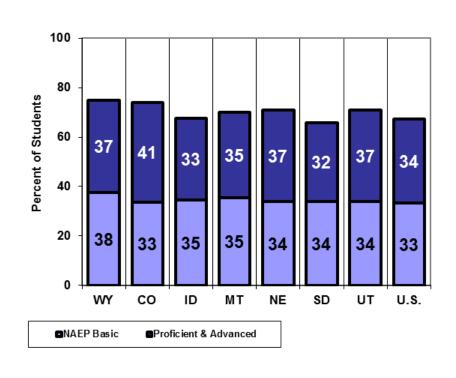
 NE, UT,
 CO, ID,

 US
 MT, SD

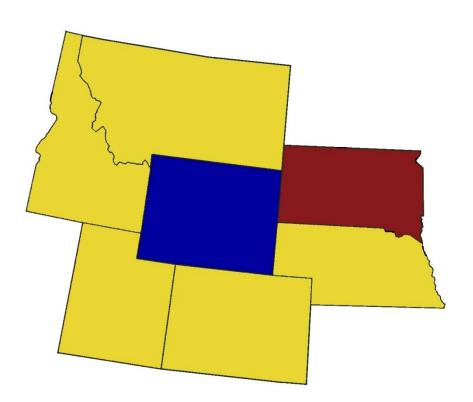


Legend: Wyoming (blue) is the focal state. States in yellow were not statistically different from Wyoming. States in red scored reliably lower than Wyoming.

Achievement Levels

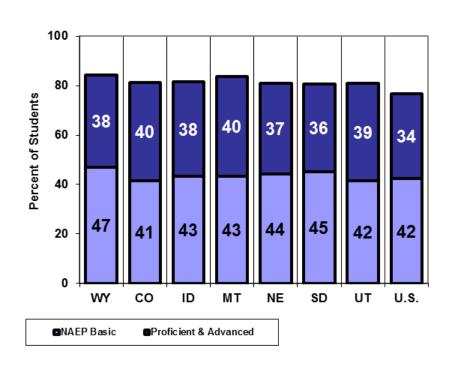


% At/Above NAEP *Basic* WY > WY = ID, MT, CO
NE, SD, UT, US



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

Achievement Levels

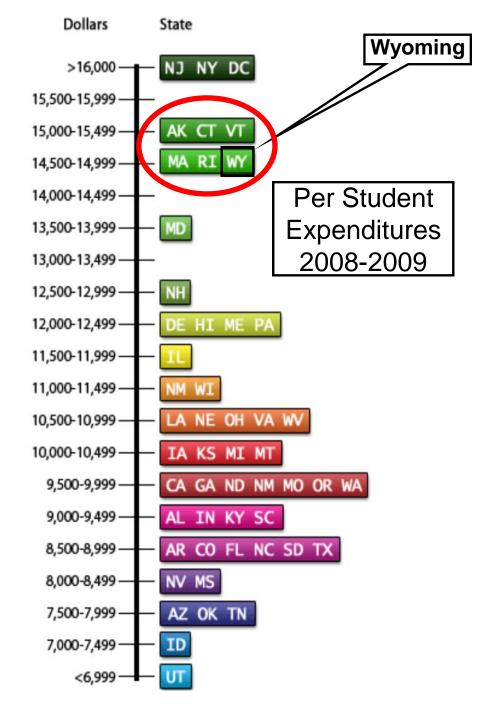


% At/Above NAEP *Basic* WY > ID, NE, SD, US

<u>WY =</u> CO, MT, UT,

Funding Comparisons

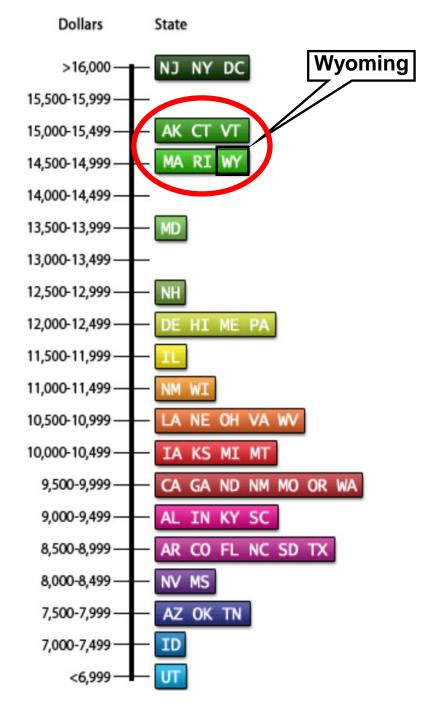
States with Similar
Per Capita Education Expenditures:
Achievement Levels
(at/above NAEP *Basic*)

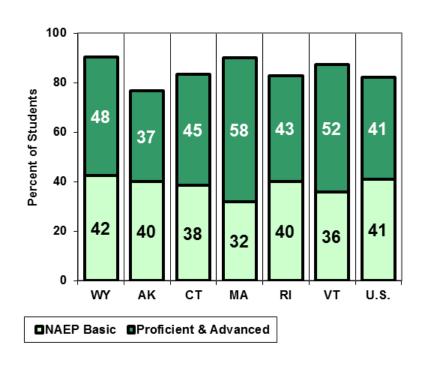


Wyoming was among six states reporting per student expenditures between \$14,500 and \$15,500 during school year 2008-2009 (most recent data available). The other states were Alaska, Connecticut, Massachusetts, Rhode Island, and Vermont.

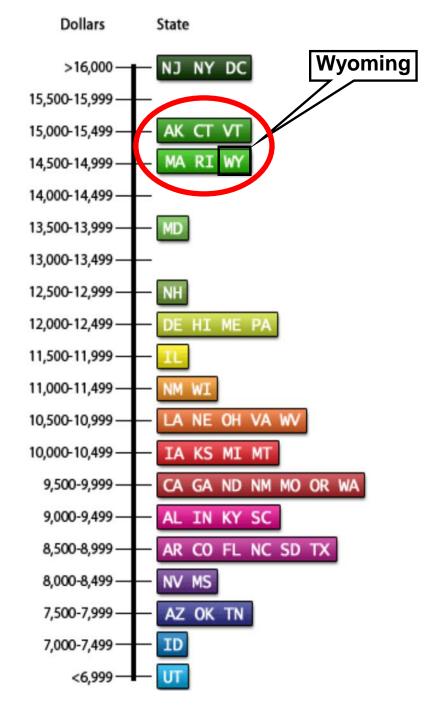
SOURCE: U.S. Department of Education, National Center for Education Statistics, "National Public Education Financial Survey (NPEFS)," fiscal year 2009, Version 1a.

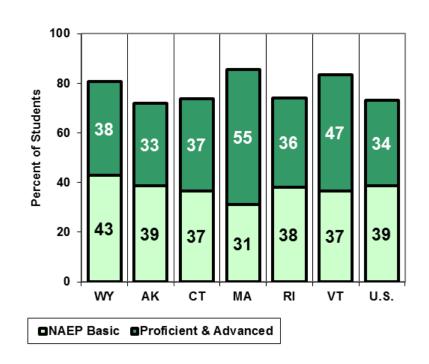
NOTE: The prekindergarten student membership was imputed for some states, affecting the total student count and per pupil expenditures calculation. Some values were affected by redistribution of reported expenditure values to correct for missing data items, and/or to distribute state direct support expenditures.



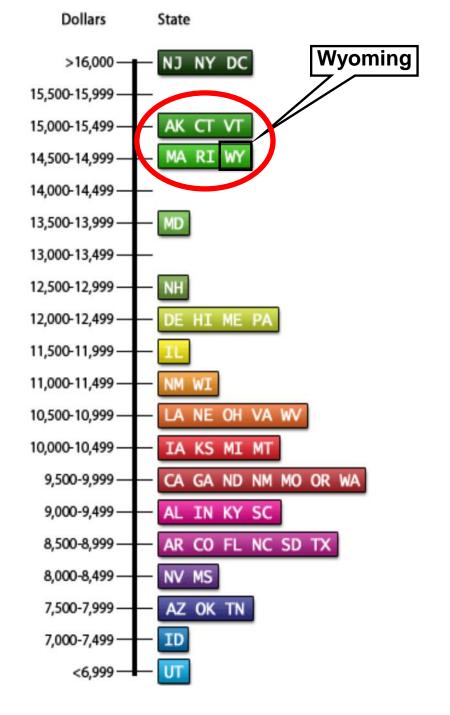


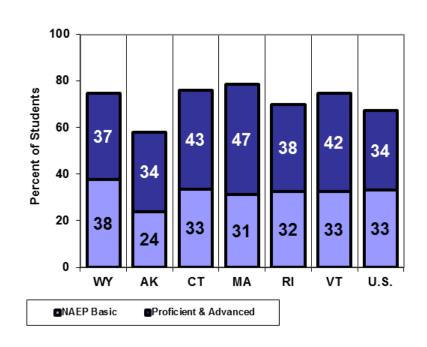
% At/Above NAEP *Basic* <u>WY ></u> <u>WY =</u> AK, CT, MA RI, VT, US





% At/Above NAEP *Basic* WY > WY < MA, VT RI, US

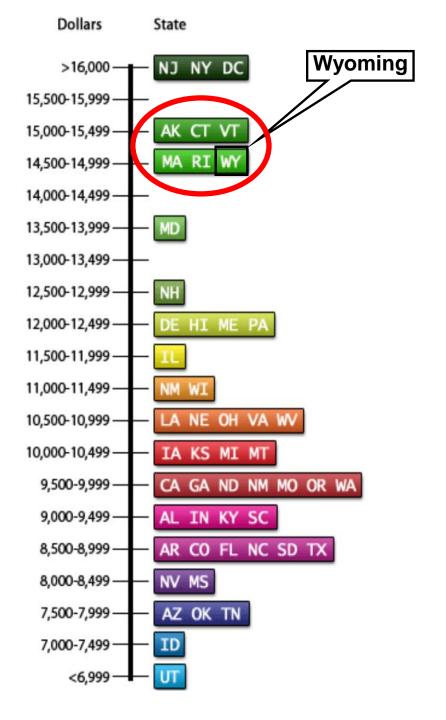


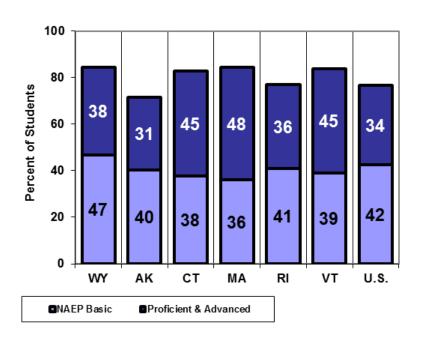


% At/Above NAEP Basic

WY > WY < WY = AK, CT, RI, VT US

MA



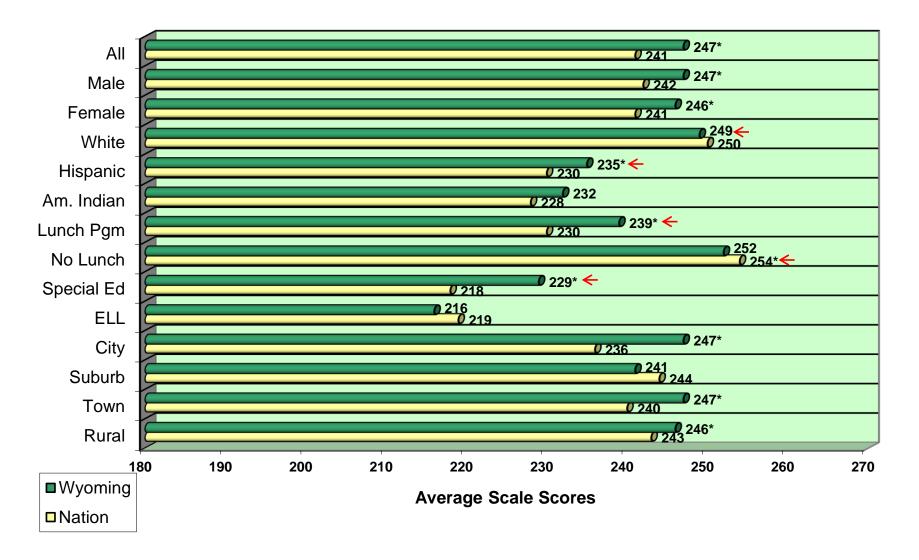


% At/Above NAEP *Basic*

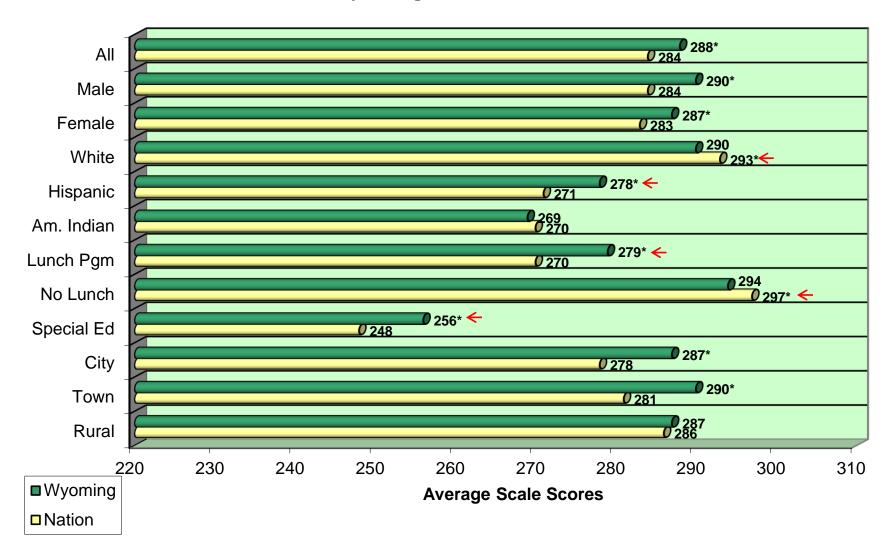


Disaggregated Student Group Comparisons

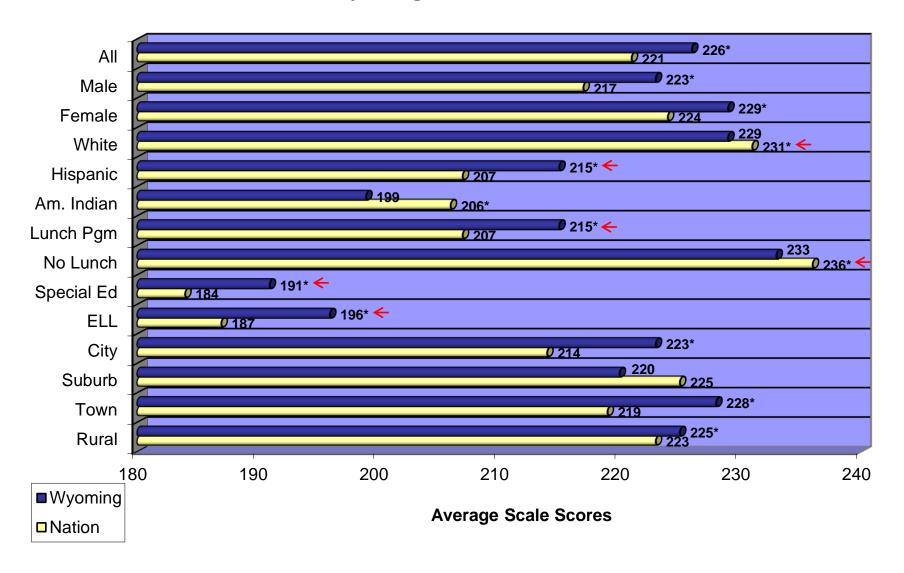
Average Scale Scores: Wyoming Students and Their U.S. Peers



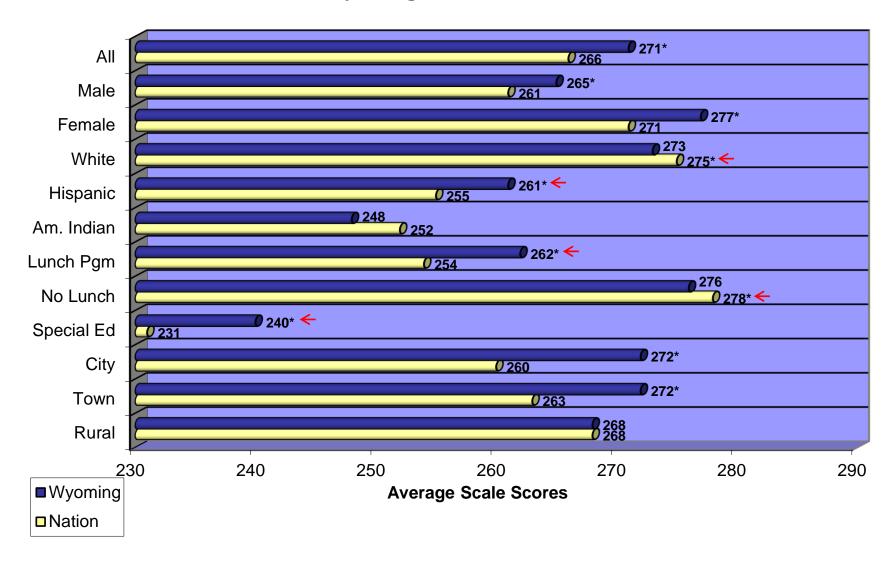
^{*} Indicates a statistical difference in average US and WY scores



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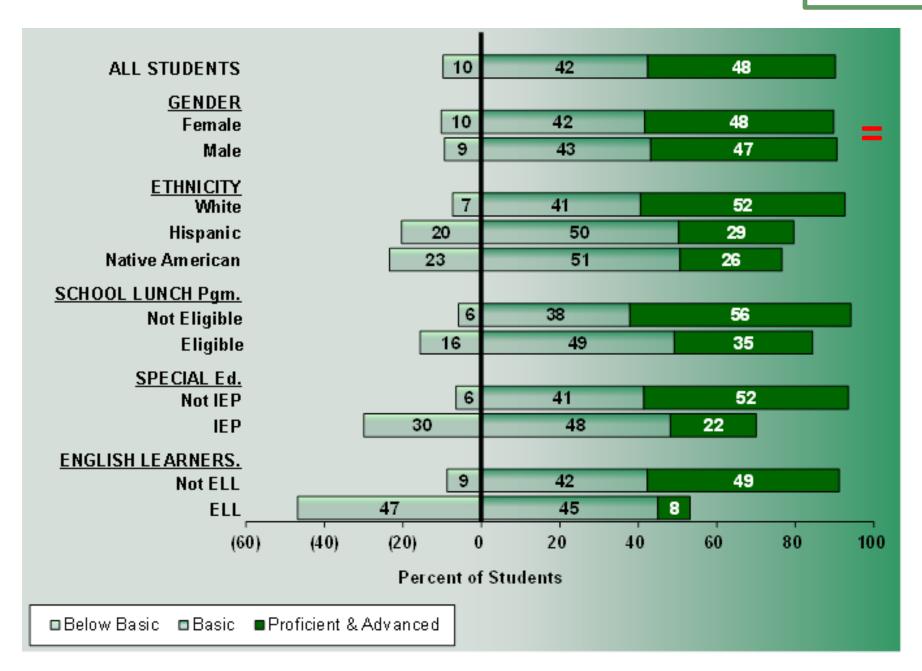
^{*} Indicates a statistical difference in average US and WY scores

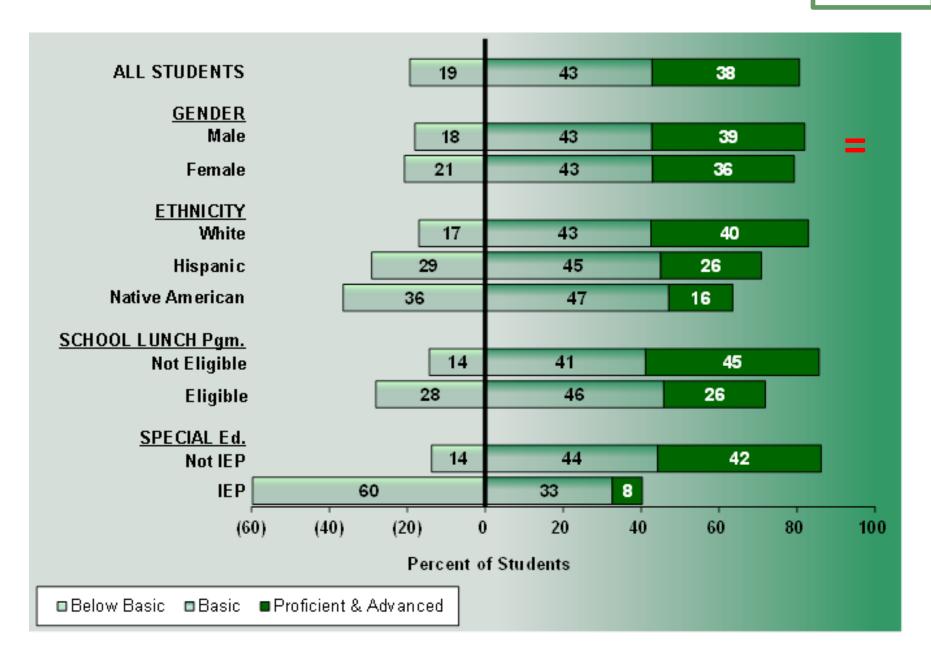


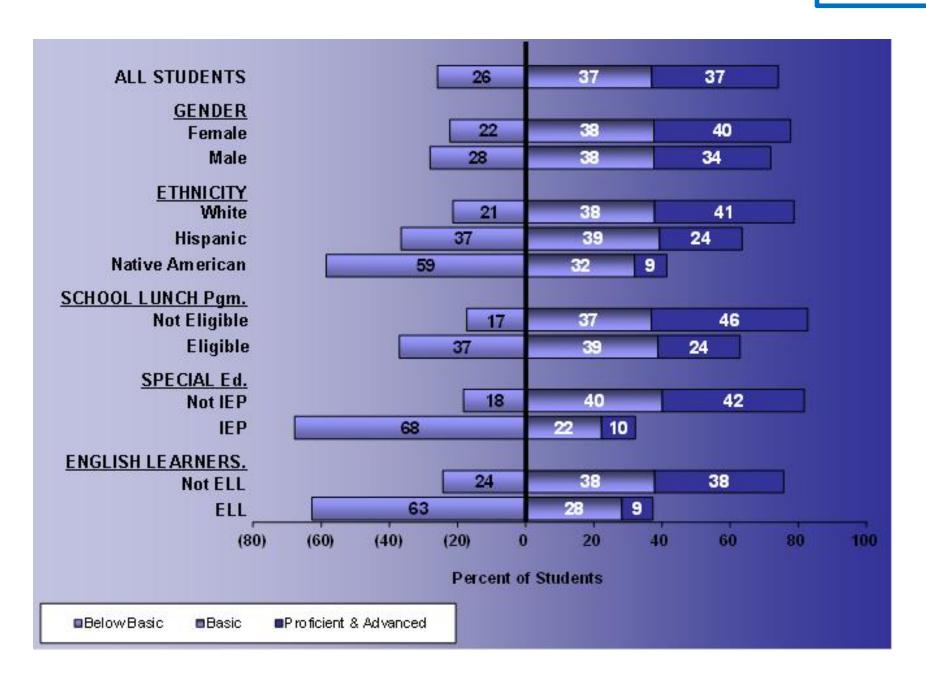
^{*} Indicates a statistical difference in average US and WY scores

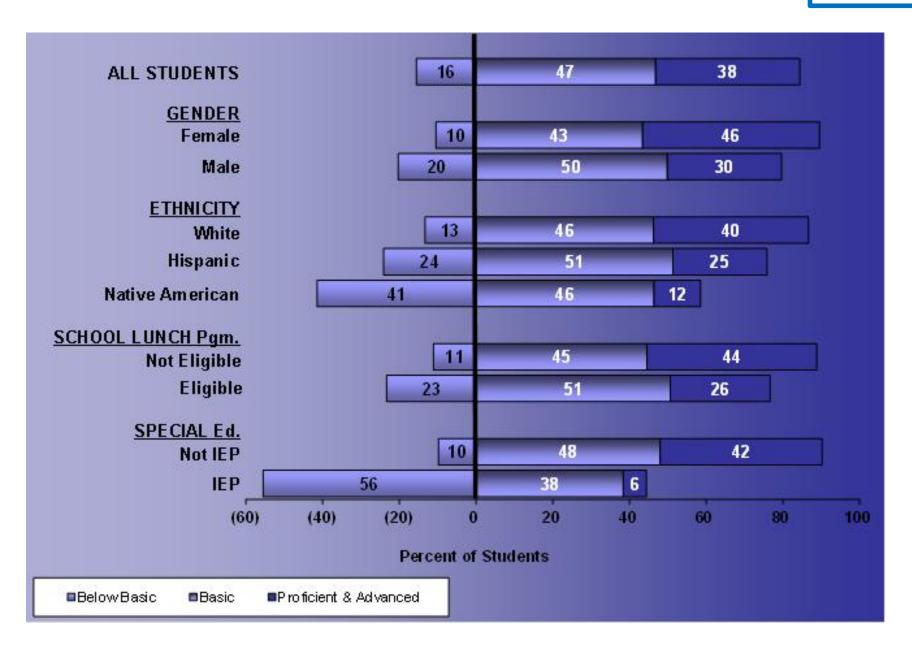
Equity Comparisons

Achievement Levels for Gender, Race, and School Lunch Student Groups in Wyoming





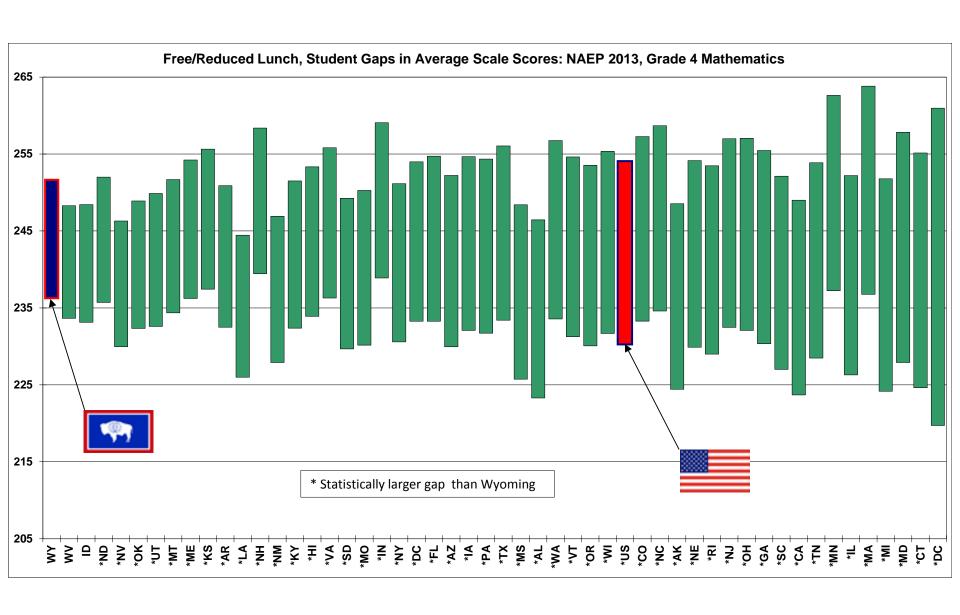




State Comparisons: School Lunch Program

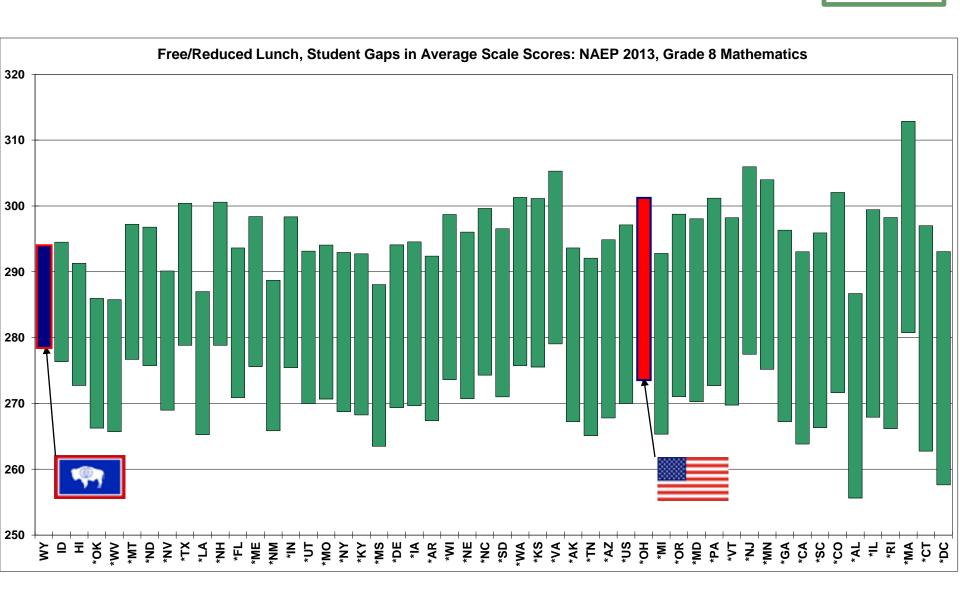
Average Scale Scores Differences for School Lunch Eligible Students and Non-Eligible Students, by State

Gr4, Math



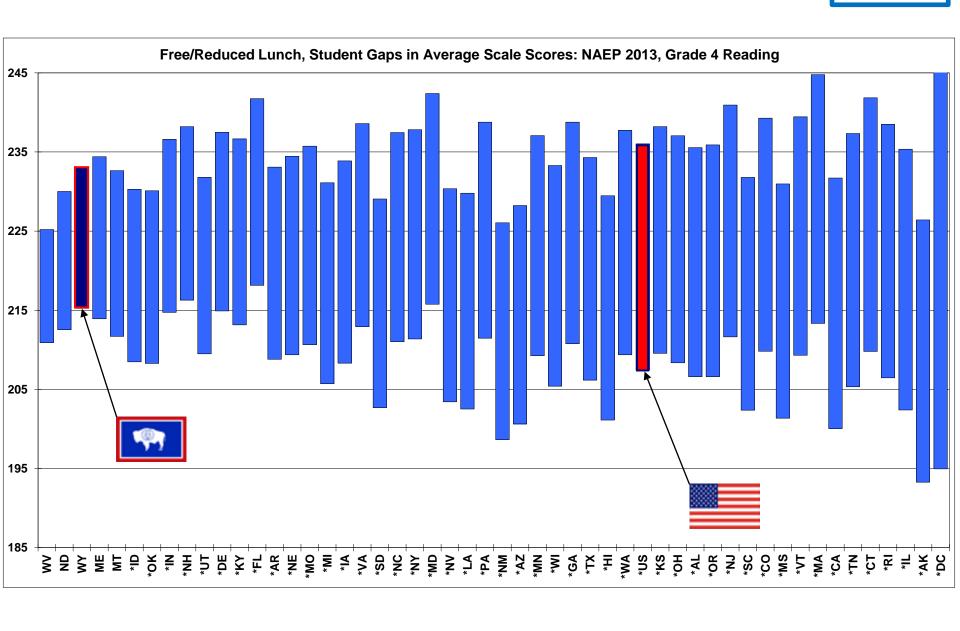
Bottom of each bar = Avg. score for Free/Reduced Lunch Students

Gr8, Math



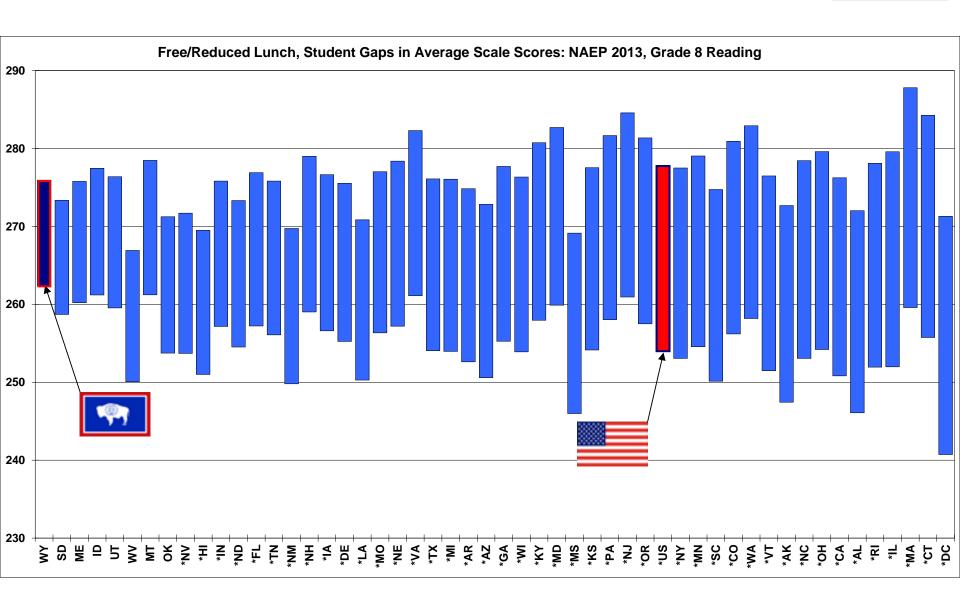
Bottom of each bar = Avg. score for Free/Reduced Lunch Students

Gr4, Read



Bottom of each bar = Avg. score for Free/Reduced Lunch Students

Gr8, Read



Bottom of each bar = Avg. score for Free/Reduced Lunch Students