



## K-12 Research Idaho

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# NAEP through the NCLB Years: Idaho vs. the Other 49 States

Bert D. Stoneberg

## Abstract

NAEP results for reading and mathematics in grades 4 and 8 from 2003 to 2015 were selected for this cross-state comparison study because they coincided with the timeframe of the *No Child Left Behind Act* (NCLB). The online NAEP Data Explorer (NDE) was used to analyze the average scale scores from three student groups for which Idaho received NAEP results with their national peers: All Students, White Students, and Hispanic Students. Using forty-nine "t" tests, Idaho was compared with the other states -- one state at a time -- to determine whether Idaho students were statistically lower than, higher than, or not significantly different from their peers in each state. The False Discovery Rate procedure controlled for Type I error. Enjoy . . . .

Figure 1. **AEP Reading, All Students, Grades 4 and 8.** Average score of Idaho students vs. their peers in the other states on the NAEP reading assessments spanning the NCLB years, 2003-2015. Each year the analyses determined the number of states where Idaho students scored lower than, higher than, or not statistically different from their peers.

**How Idaho Compared with the Other 49 States**  
**NAEP Reading 2003-2015, All Students**

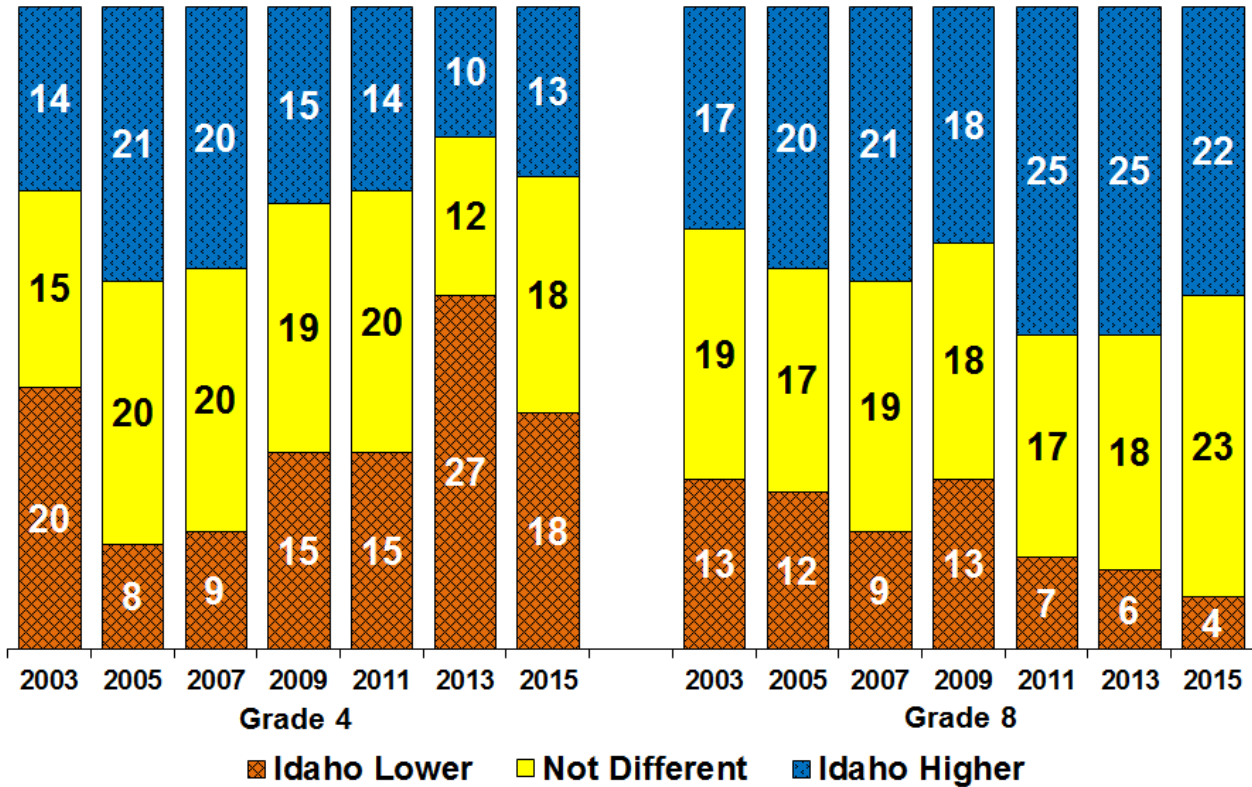


Figure 2. **NAEP Reading, White Students, Grades 4 and 8.** Average score of Idaho White students vs. their peers in the other states on the NAEP reading assessments spanning the NCLB years, 2003-2015. Each year the analyses determined the number of states where Idaho students scored lower than, higher than, or not statistically different from their peers.

**How Idaho Compared with the Other 49 States  
NAEP Reading 2003-2015, White Students**

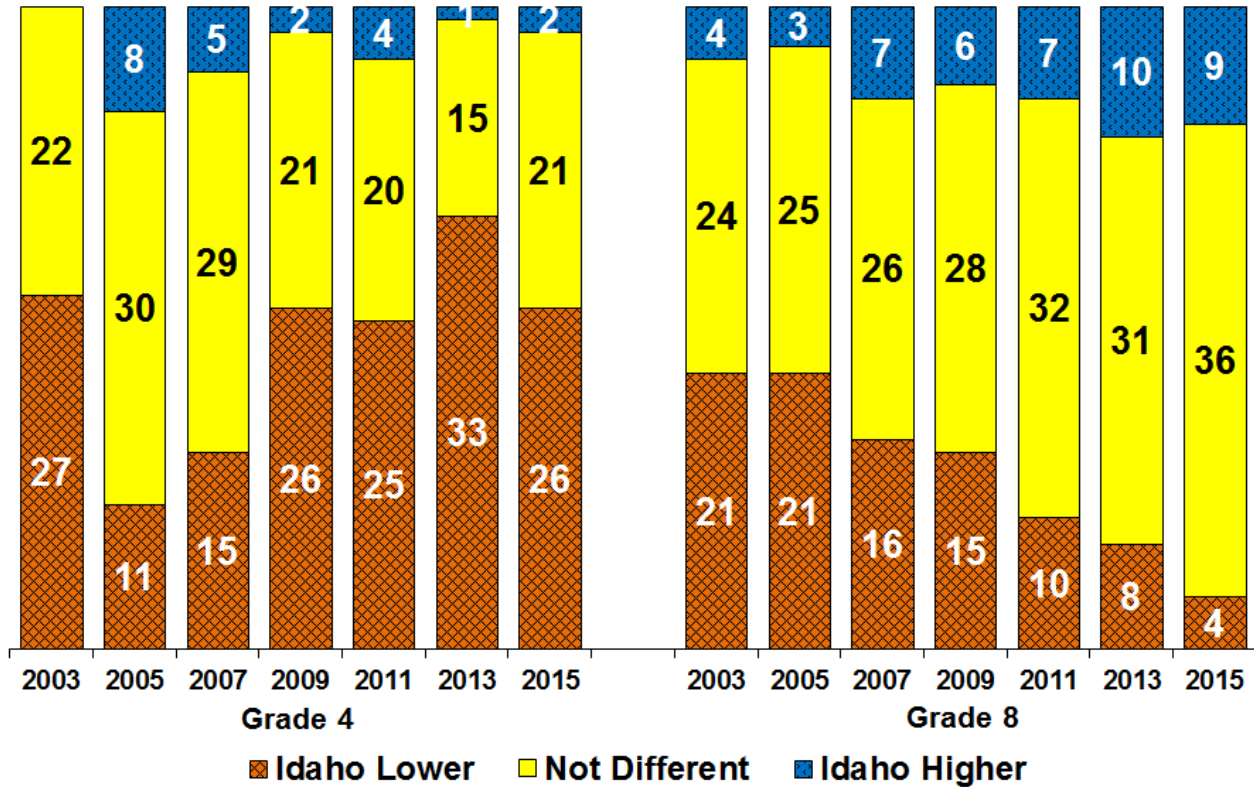


Figure 3. **NAEP Reading, Hispanic Students, Grades 4 and 8.** Average score of Idaho Hispanic students vs. their peers in the other states on the NAEP reading assessments spanning the NCLB years, 2003-2015. Each year the analyses determined the number of states where Idaho students scored lower than, higher than, or not statistically different from their peers. Some states did not meet NAEP reporting requirements for Hispanic students.

**How Idaho Compared with the Other 49 States  
NAEP Reading 2003-2015, Hispanic Students**

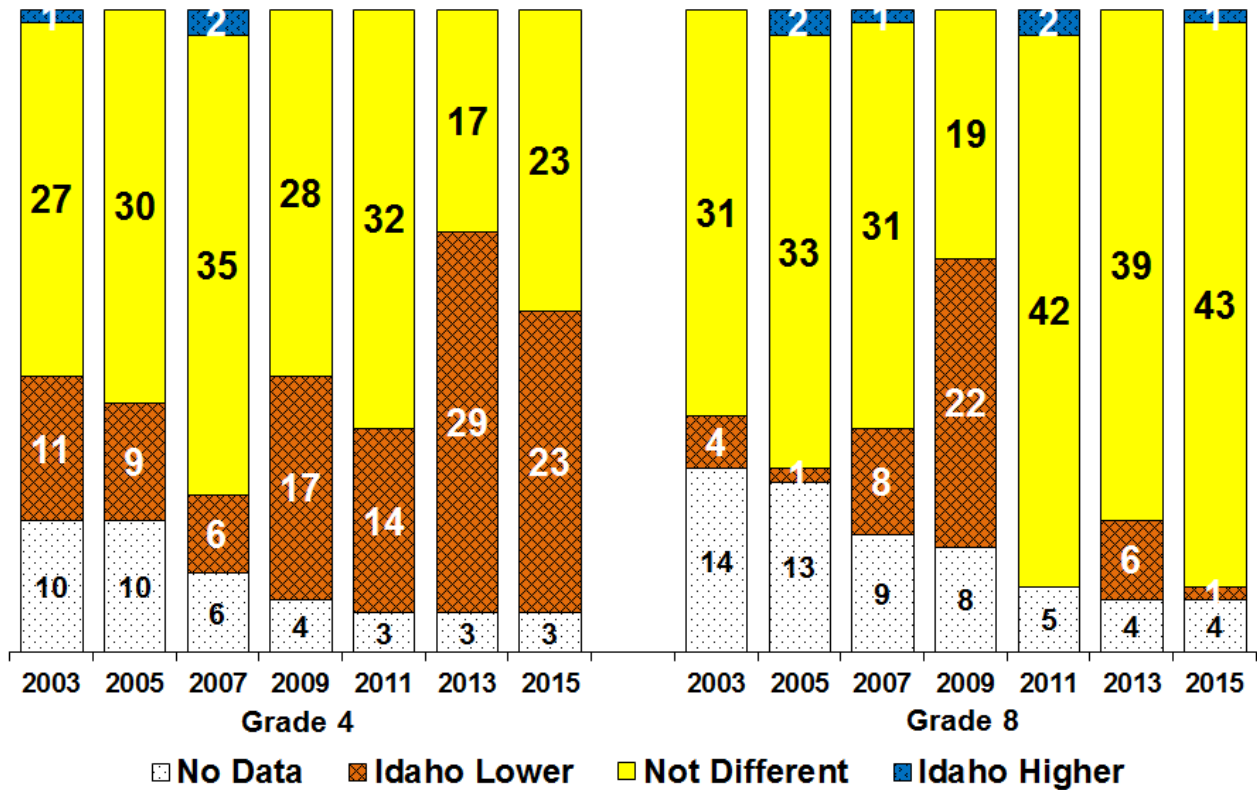


Figure 4. **NAEP Mathematics, All Students, Grades 4 and 8.** Average score of Idaho students vs. their peers in the other states on the NAEP mathematics assessments spanning the NCLB years, 2003-2015. Each year the analyses determined the number of states where Idaho students scored lower than, higher than, or not statistically different from their peers.

**How Idaho Compared with the Other 49 States**  
**NAEP Mathematics 2003-2015, All Students**

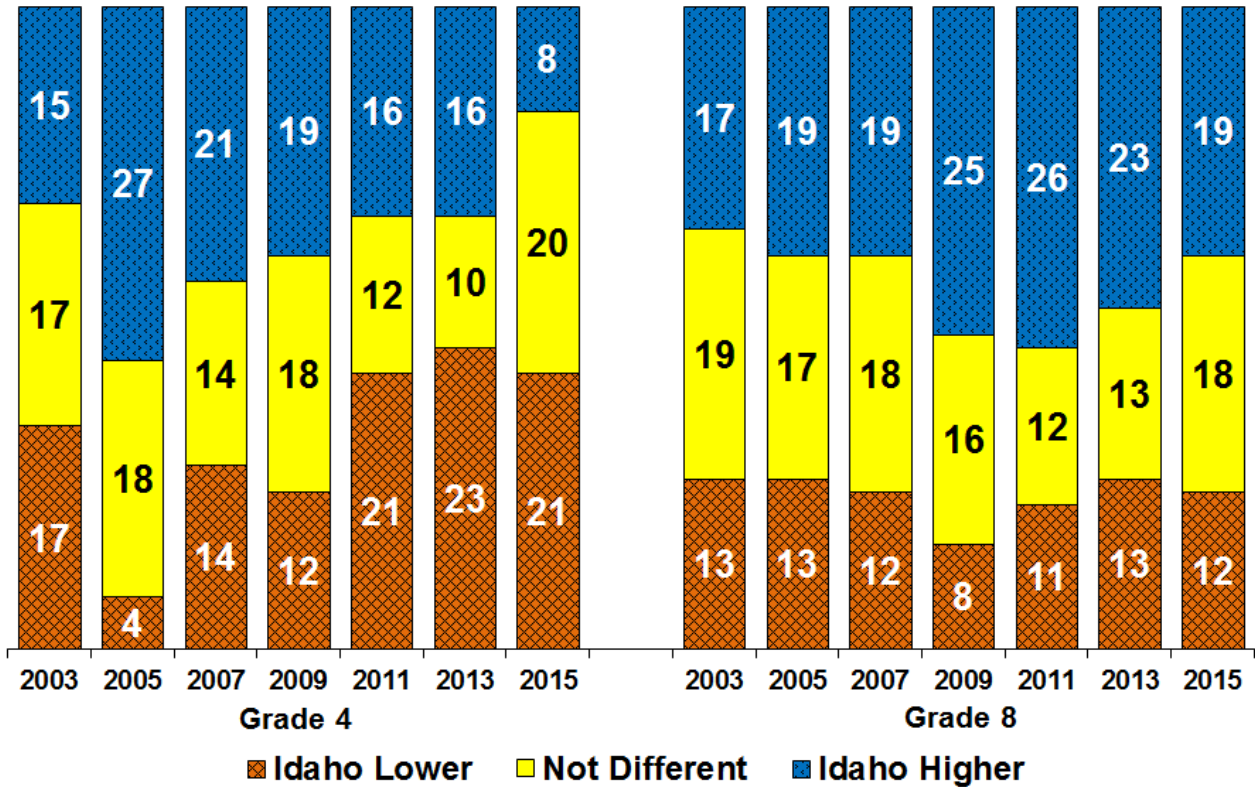


Figure 5. **NAEP Mathematics, White Students, Grades 4 and 8.** Average score of Idaho White students vs. their peers in the other states on the NAEP mathematics assessments spanning the NCLB years, 2003-2015. Each year the analyses determined the number of states where Idaho students scored lower than, higher than, or not statistically different from their peers.

**How Idaho Compared with the Other 49 States  
NAEP Mathematics 2003-2015, White Students**

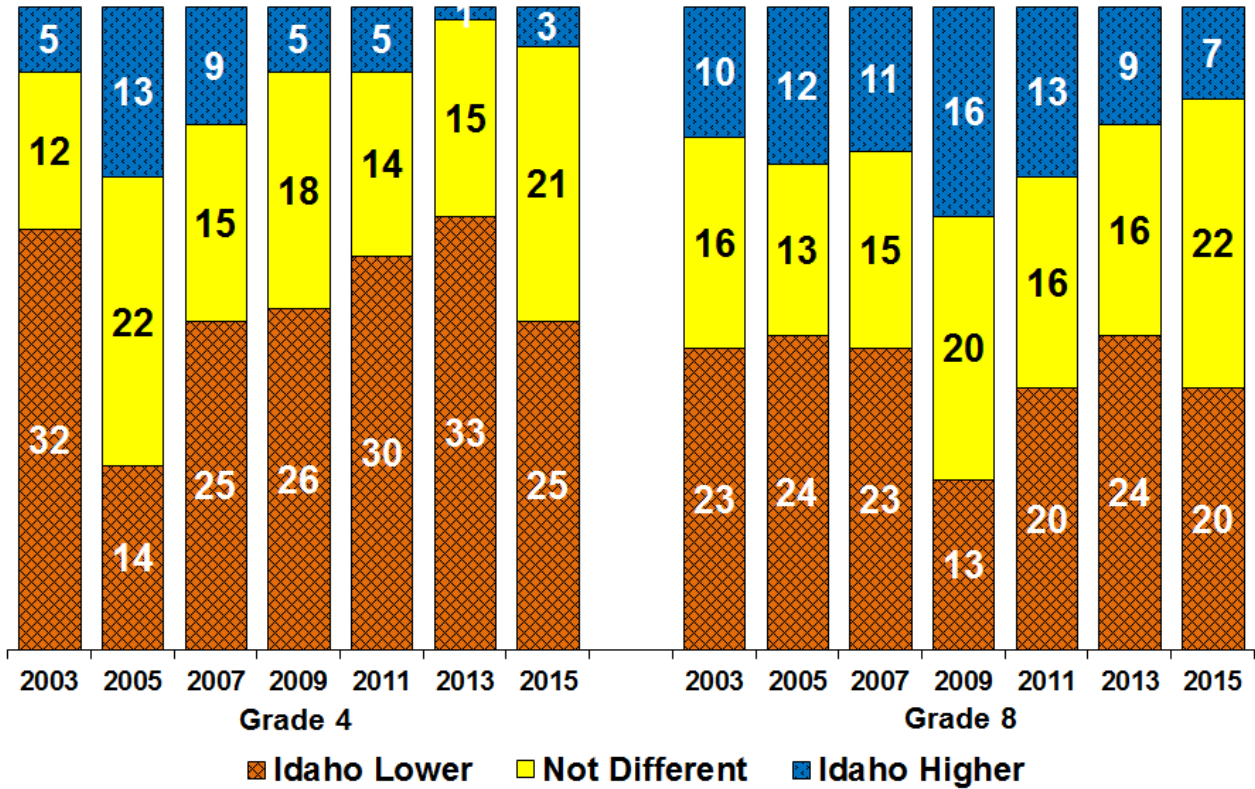


Figure 6. **NAEP Mathematics, Hispanic Students, Grades 4 and 8.** Average score of Idaho Hispanic students vs. their peers in the other states on the NAEP mathematics assessments spanning the NCLB years, 2003-2015. Each year the analyses determined the number of states where Idaho students scored lower than, higher than, or not statistically different from their peers. Some states did not meet NAEP reporting requirements for Hispanic students

**How Idaho Compared with the Other 49 States  
NAEP Mathematics 2003-2015, Hispanic Students**

