

NAEP Reading and Mathematics 2003-2013: Idaho vs. the Other States¹

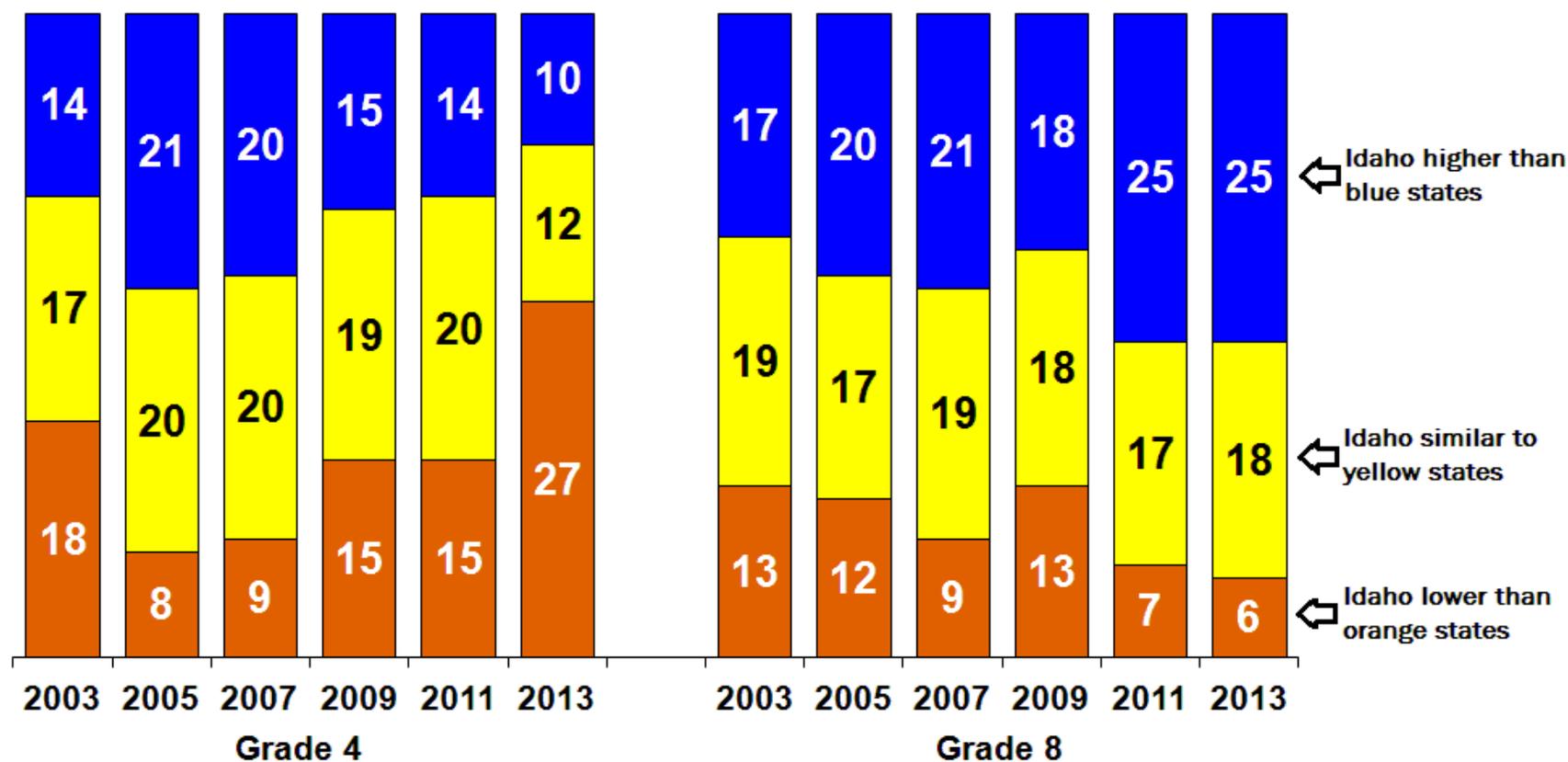
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NAEP state results from 2003 to 2013 were selected for this report because they best coincide with the *No Child Left Behind* (NCLB) years. The statistical analyses were performed by the [NAEP Data Explorer \(NDE\)](#) using *All Students* average scale scores. The [National Center for Education Statistics \(NCES\)](#) maintains the NDE as a free, public access online tool for mining and analyzing NAEP results.

Idaho was the *focal state* of interest. The NDE compared each of the other 49 states using the *t* test – one state at a time -- with Idaho to determine whether Idaho was *statistically higher than* or *statistically lower than* or *not significantly different* from each state. The NDE applied the *False Discovery Rate* to control for Type I error (i.e., error claiming a significant difference between Idaho and another state when actually there was none).

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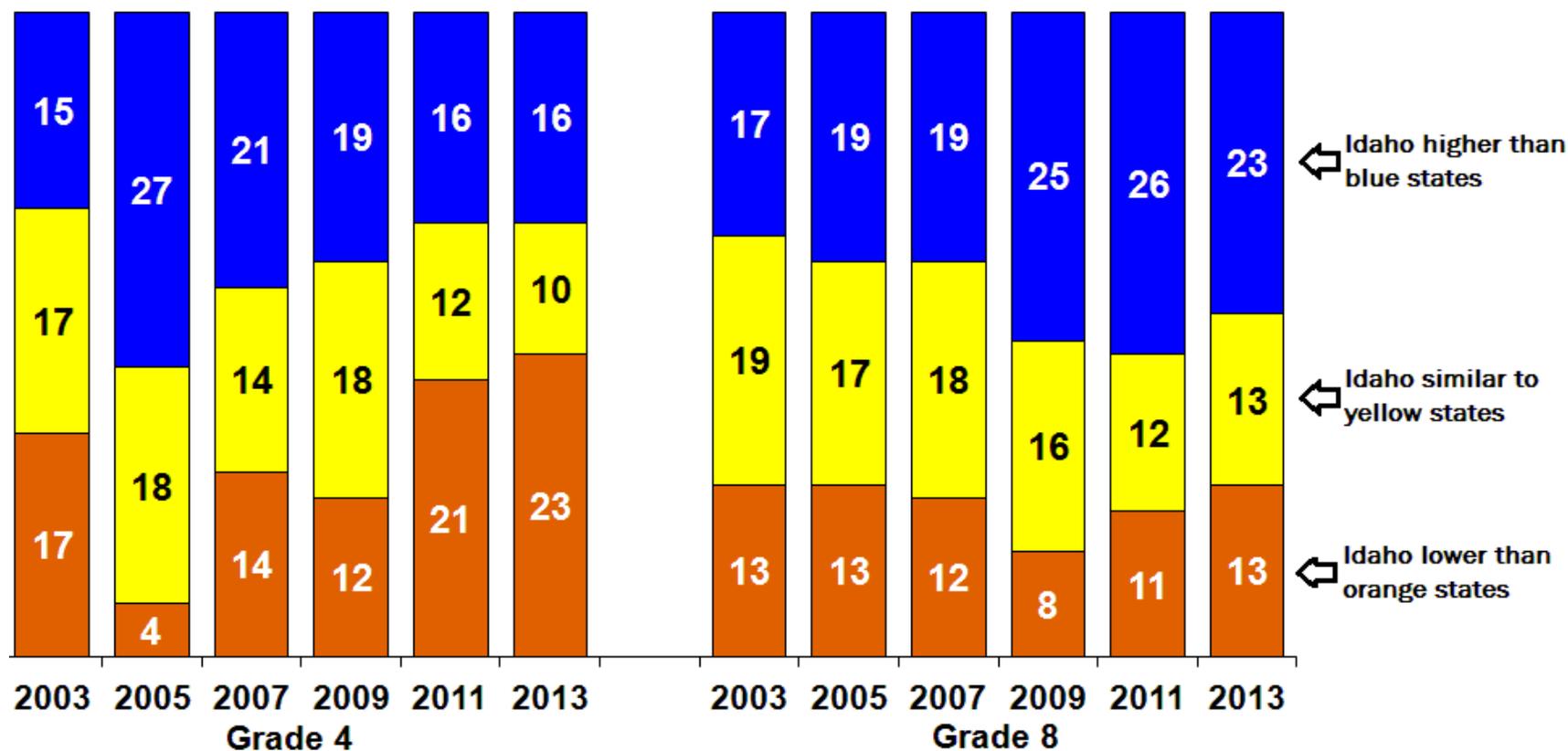
Exhibit 1. Summary results from comparing the average scores of all Idaho fourth and eighth grade students with the average scores of their peers in the other 49 states through the *No Child Left Behind* (NCLB) years: **NAEP Reading, 2003-2013.**



Highlight:

Idaho's best reading performance on NAEP when statistically compared with the other 49 states was in 2005 for grade 4 and 2013 for grade 8.

Exhibit 2. Summary results from comparing the average scores of all Idaho fourth and eighth grade students with the average scores of their peers in the other 49 states through the *No Child Left Behind* (NCLB) years: **NAEP Mathematics, 2003-2013.**



Highlight:

Idaho's best mathematics performance on NAEP when statistically compared with the other 49 states was in 2005 for grade 4 and 2009 for grade 8.

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Author Note

Bert Stoneberg was Idaho's NAEP State Coordinator from 2002 to 2012. He is retired, but remains interested in issues related to educational assessment, evaluation and research, and to school reform issues in Idaho.



Comments/questions regarding this paper should be addressed to Dr. Bert Stoneberg, K-12 Research Idaho, P.O. Box 5912, Boise ID 83705, or email him at ThinkIdaho@outlook.com

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