

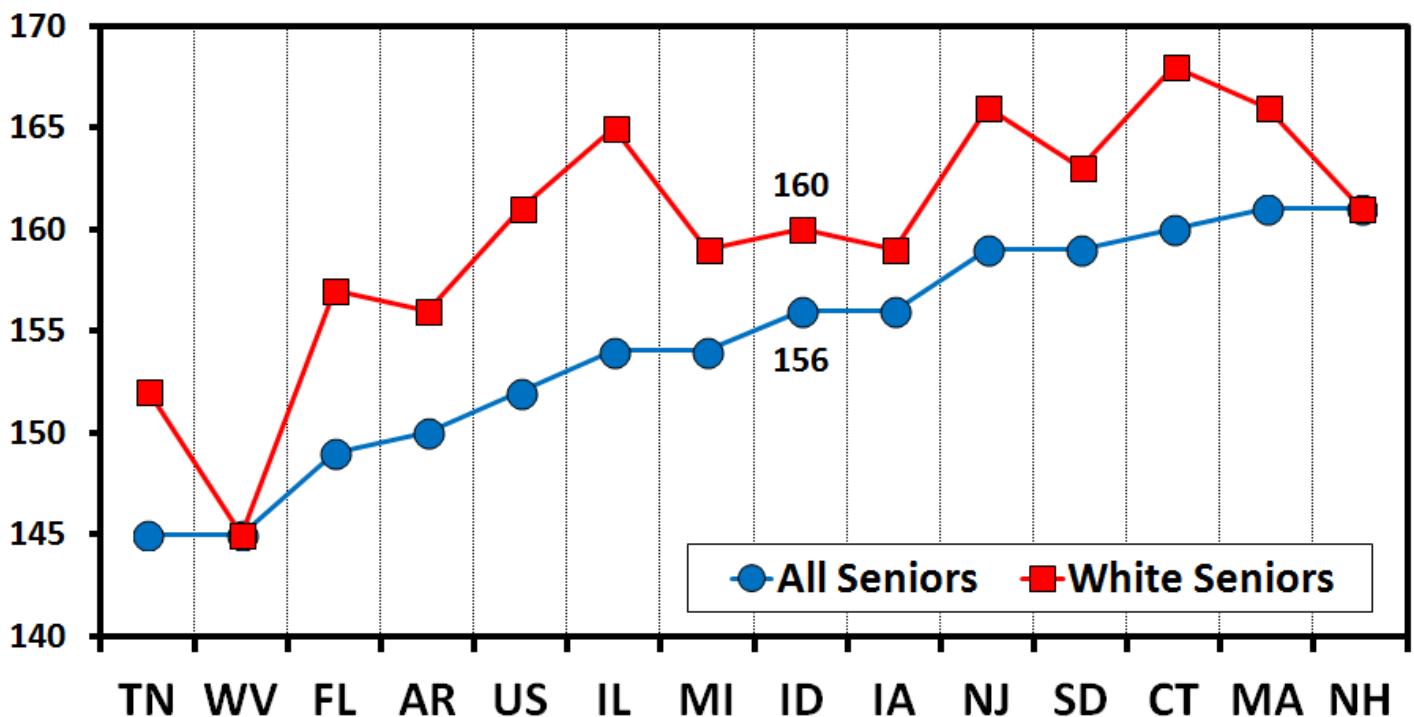
National and States Average Scale Scores NAEP 2013 Grade 12 Pilot - Mathematics



May 7, 2014

The National Assessment of Educational Progress (NAEP) mathematics assessment used multiple-choice and constructed-response items to examine student knowledge and skills in algebra, data analysis and statistics, measurement and geometry, and number properties and operations. Scores range from zero (0) to 300, where 141 is *Basic* (meets grade 12 expectations), 176 is *Proficient*, and 216 is *Advanced*.

Average Scale Scores for the Nation and States NAEP 2013 State Grade 12 Pilot - Mathematics



Caution should be exercised when making cross-state comparisons on “average scores.” The 13 states in the pilot enjoyed a large diversity in their demographic characteristics. The cross-state profile for All seniors can differ considerably from the cross-state profile for any of the various demographic groups. The graph above shows how the cross-state profiles for All Seniors and for White Seniors differed on the NAEP 2013 Grade 12 Pilot mathematics assessment. No statistical comparisons were conducted on the intra-state differences, so the apparent differences may or may not be statistically significant. [Note: the only demographic groups NAEP reported for all states in 2013 were All and White.]

► On the NAEP 2013 State Grade 12 Pilot - Mathematics, All Seniors scored higher than Idaho in NJ, SD, CT, MA, and NH, lower than Idaho in TN, WV, FL, and AR, but not significantly different in IL, MI, and IA.

► On the NAEP 2013 State Grade 12 Pilot – Mathematics, White Seniors scored higher than Idaho in CT, MA, NJ, IL, and SD, lower than Idaho in AR, TN, and WV, but not significantly different in NH, MI, IA, and FL .

Note: Comparisons based on statistical tests (.05 level) using unrounded numbers that considered the magnitude of difference and standard errors. Source: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2013 NAEP State Grade 12 Pilot - Mathematics. Visit <http://bdsphd.tripod.com> (select NAEP on the navigation bar).