

Chapter 8. State Indicators

8-1C Fourth Grade Mathematics Performance, Hispanic Students

Description

This indicator represents the average score in mathematics of each state's fourth grade public school students on the National Assessment of Educational Progress (NAEP). The NAEP mathematics assessment is a congressionally authorized measure of student performance that is conducted by the National Center for Education Statistics. It measures students' knowledge and skills in mathematics and their ability to apply that knowledge in the content areas of number properties and operations; measurement; geometry; data analysis, statistics, and probability; and algebra. Student performance is presented in terms of average scores on a scale from 0 to 500.

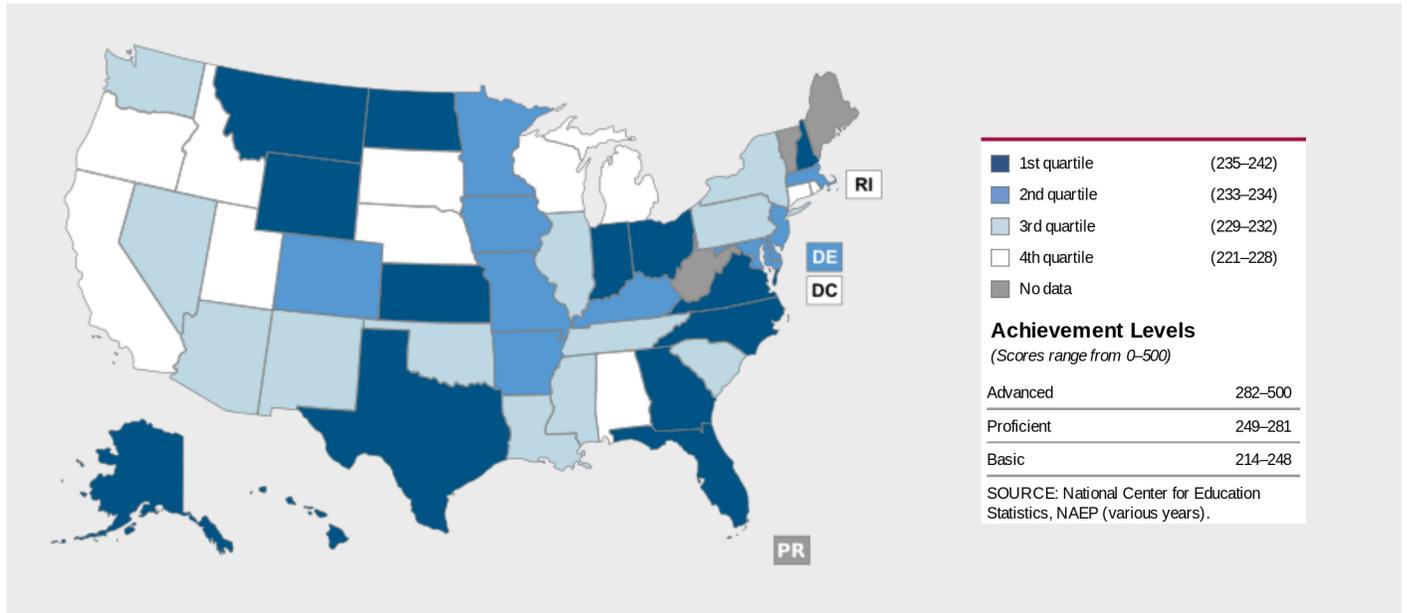
Approximately 180,000 fourth grade students, of whom 45,000 were Hispanic, participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency were allowed to use certain accommodations (e.g., extra testing time or individual rather than group administration). All data presented here represent scores from tests taken with accommodations offered. Demographic percentages of test takers by state are included in this indicator's standard error table. For national data across all demographic groups, see indicator 8-1.

Findings

- Percentages of Hispanic test takers varied in 2013 on a state level from 1% to 63%. Nationally, in 2013, 25% of fourth grade mathematics test takers were Hispanic students compared with 19% in 2003.
- In 2013, the nationwide average mathematics score of Hispanic fourth grade students was 230, an increase from 221 in 2003. In 2013, the nationwide average mathematics score of fourth grade students was 241.
- Average mathematics scores varied significantly across the states, ranging from 221 to 242.
- None of the statewide averages were lower in 2013 than in 2003; almost all statewide averages were higher in 2013 than in 2003. Statewide averages for Connecticut, Michigan, Montana, South Carolina, and South Dakota were virtually the same in 2013 as in 2003.

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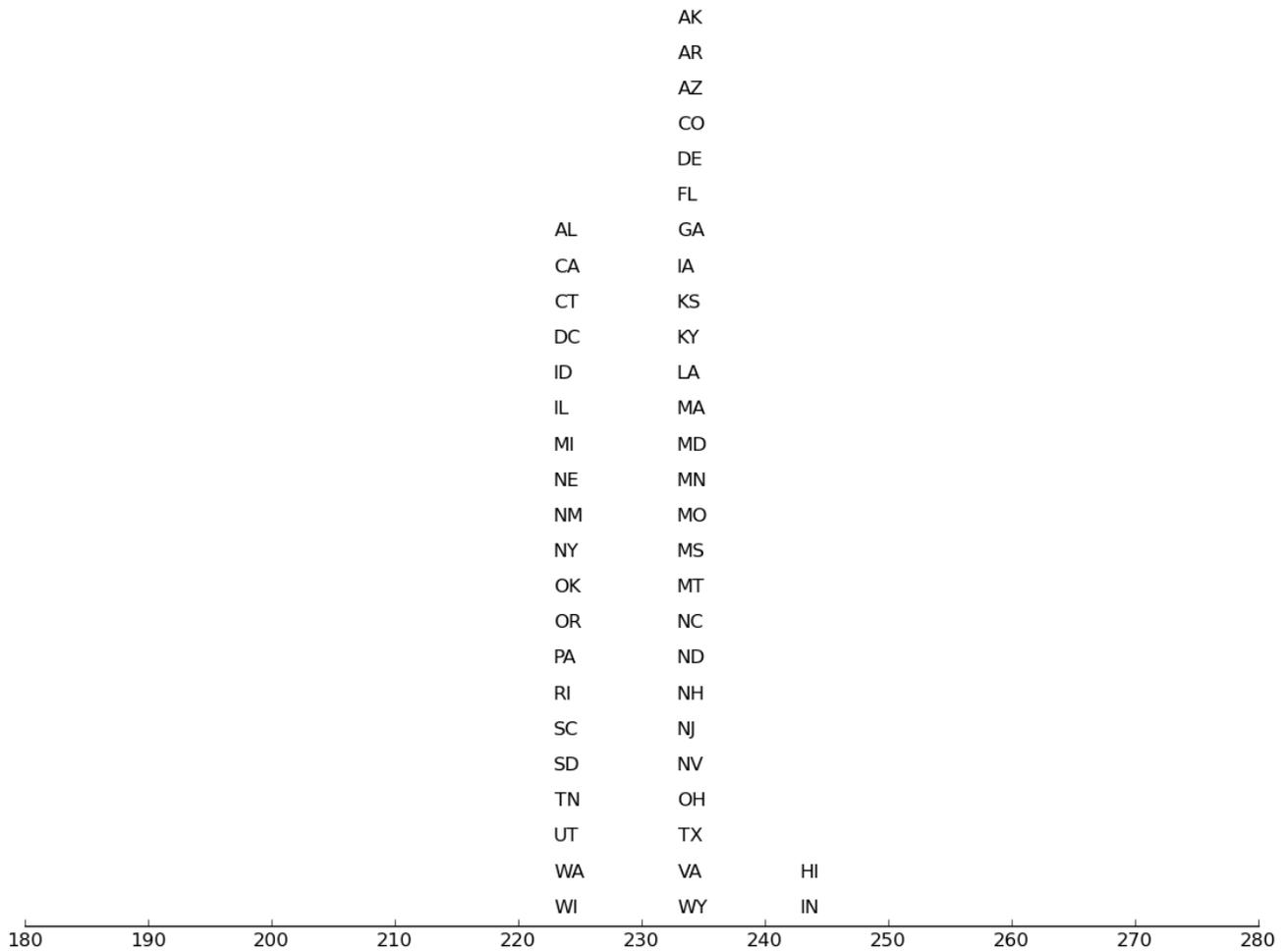
Year: 2013



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Distribution of states across indicator values



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Table 8-1C Fourth Grade Mathematics Performance, Hispanic Students

State	4th grade math performance, Hispanic students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
United States	207	221	225	227	227	229	230
Alabama	S	S	S	218	220	227	228
Alaska	NA	228	227	232	232	239	235
Arizona	204	217	218	220	220	227	232
Arkansas	S	221	229	230	233	233	234
California	201	216	219	218	219	222	224
Colorado	NA	217	223	224	228	230	233
Connecticut	210	223	223	223	227	222	224
Delaware	NA	226	229	234	231	231	234
District of Columbia	190	205	215	220	227	223	228
Florida	NA	232	233	238	238	236	238
Georgia	217	219	229	229	231	233	235
Hawaii	S	219	219	224	230	237	241
Idaho	207	217	226	224	225	223	225
Illinois	211	218	219	223	227	226	229
Indiana	S	226	230	233	230	234	242
Iowa	S	222	222	230	223	229	234
Kansas	213	230	234	234	233	235	235
Kentucky	S	S	S	221	227	236	234
Louisiana	S	S	S	234	230	230	232
Maine	S	S	S	S	S	S	S
Maryland	216	227	232	233	238	245	234
Massachusetts	203	222	225	231	232	236	234
Michigan	S	223	224	230	227	228	226
Minnesota	S	220	223	229	232	230	234

4th grade math performance, Hispanic students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
Mississippi	S	S	S	S	S	229	230
Missouri	S	220	221	234	237	231	233
Montana	S	236	234	241	241	237	237
Nebraska	205	213	219	220	224	226	227
Nevada	207	216	219	221	227	229	230
New Hampshire	NA	225	226	232	234	235	236
New Jersey	NA	224	230	234	232	234	234
New Mexico	207	217	218	222	224	228	229
New York	207	221	226	230	231	226	229
North Carolina	220	235	234	235	236	238	239
North Dakota	S	S	S	S	S	233	237
Ohio	S	225	231	231	233	233	237
Oklahoma	211	220	226	227	229	227	229
Oregon	202	218	218	217	221	220	224
Pennsylvania	NA	216	220	229	227	226	229
Rhode Island	197	207	211	220	219	224	226
South Carolina	S	232	236	227	232	234	229
South Dakota	NA	223	S	228	233	226	226
Tennessee	S	218	229	222	225	228	229
Texas	223	230	235	236	233	235	235
Utah	205	216	220	220	219	223	221
Vermont	S	S	S	S	S	S	S
Virginia	224	230	230	235	234	237	236
Washington	NA	223	224	225	227	226	229
West Virginia	S	S	S	S	S	S	S
Wisconsin	S	221	224	229	228	228	228
Wyoming	214	229	234	229	231	235	235
Puerto Rico	NA						

4th grade math performance, Hispanic students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
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NA = not available; S = data are suppressed because reporting standards were not met.

SOURCE: National Center for Education Statistics, NAEP (various years).

NOTES: The National Assessment of Educational Progress (NAEP) scores are for public schools only. The national value for the United States is the reported value in the NAEP reports. Hispanic includes Latino.

Science and Engineering Indicators 2016