

Chapter 8. State Indicators

8-1E Fourth Grade Mathematics Performance, Female 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.

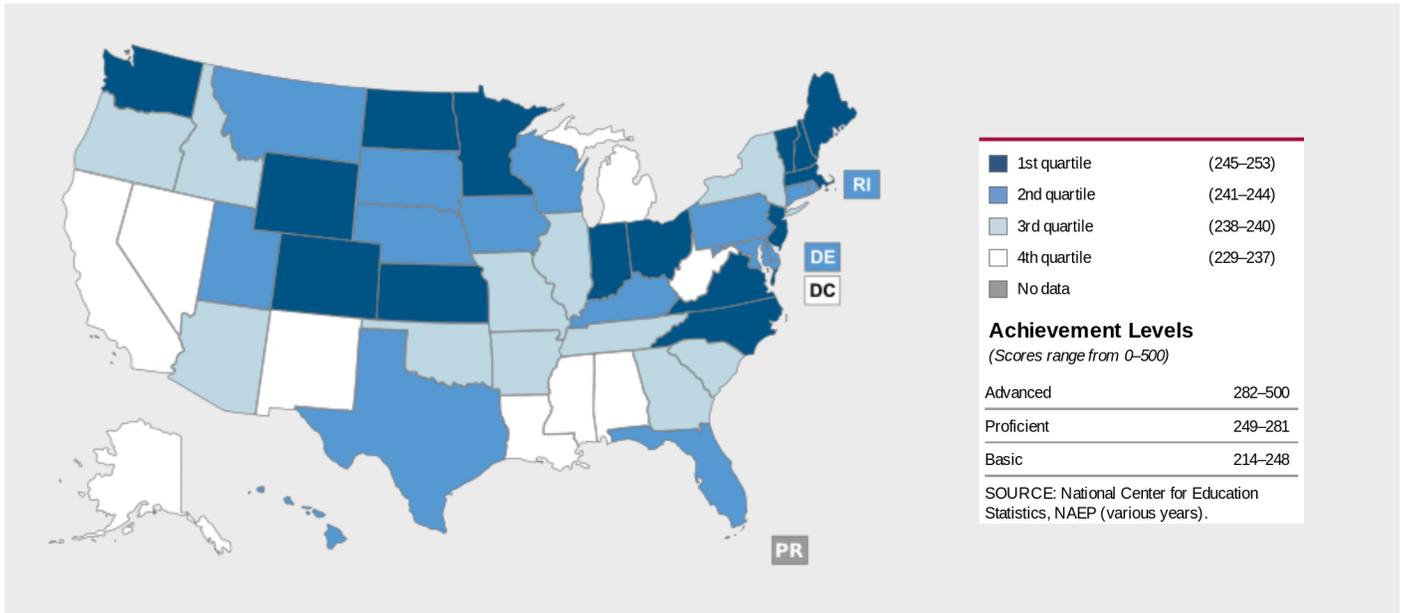
Approximately 180,000 fourth grade students in 7,540 schools participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency were allowed to use certain 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

- In 2013, the nationwide average mathematics score of female fourth grade students was 241, an increase from 233 in 2003. In 2013, the nationwide average mathematics score of fourth grade students was the same at 241.
- Average mathematics scores varied significantly across the states, ranging from 230 to 253.
- Statewide averages increased in every state between 2003 and 2013.

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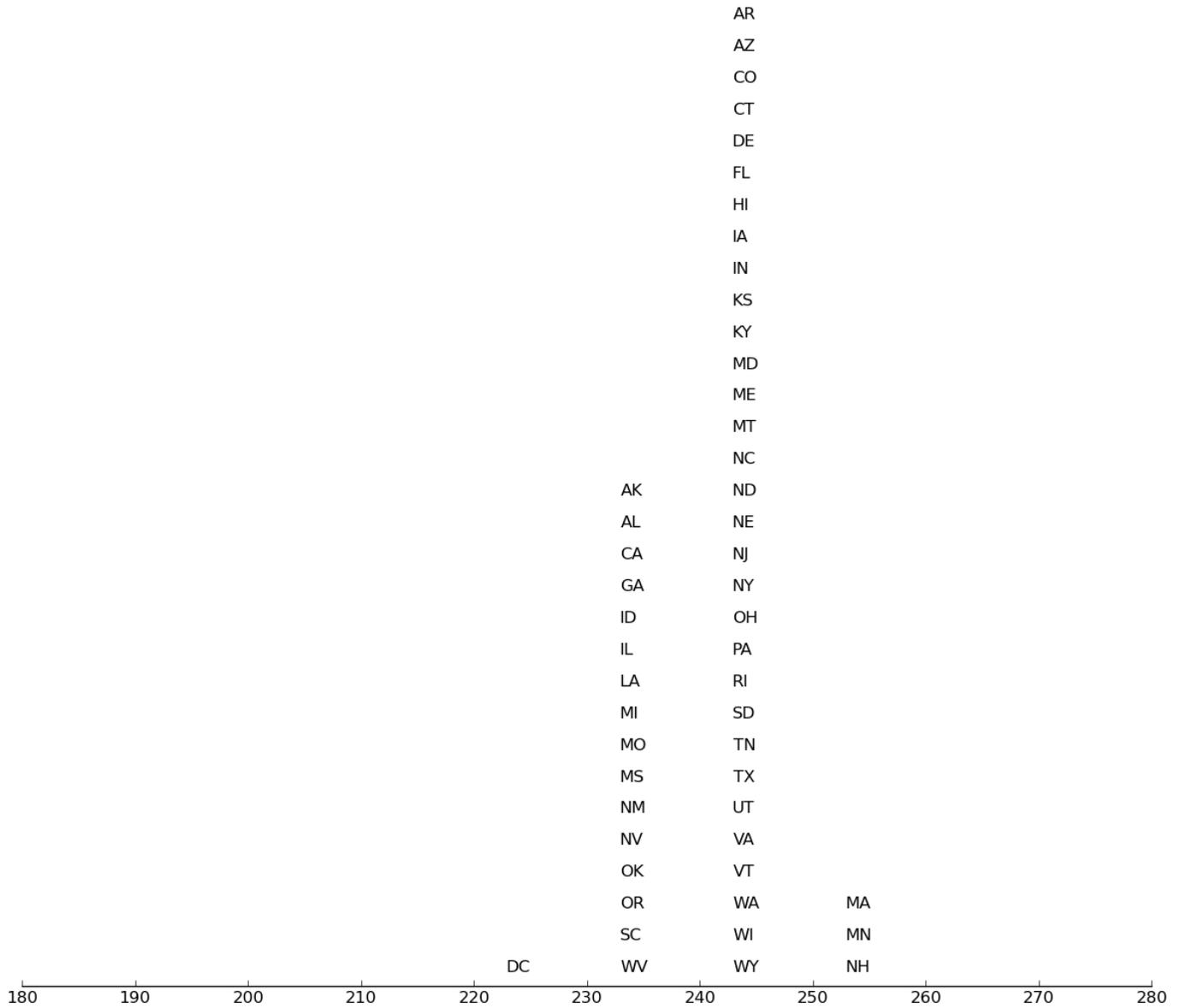
Year: 2013



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Distribution of states across indicator values



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Table 8-1E Fourth Grade Mathematics Performance, Female Students

State	4th grade math performance, female students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
United States	223	233	236	238	238	239	241
Alabama	219	223	225	228	228	232	232
Alaska	NA	231	235	237	236	235	236
Arizona	219	227	227	230	230	234	240
Arkansas	216	230	235	237	236	238	240
California	213	225	229	229	231	234	232
Colorado	NA	233	238	239	242	243	246
Connecticut	233	238	241	242	243	241	243
Delaware	NA	235	238	241	238	239	243
District of Columbia	192	206	211	214	221	223	229
Florida	NA	233	238	241	241	240	242
Georgia	218	229	233	234	236	239	239
Hawaii	217	226	231	236	236	240	244
Idaho	225	233	241	240	240	239	238
Illinois	222	232	232	235	237	238	239
Indiana	232	237	240	244	242	242	248
Iowa	230	236	238	241	242	242	244
Kansas	231	240	245	247	244	246	245
Kentucky	219	227	230	234	238	240	241
Louisiana	217	226	229	230	229	231	230
Maine	227	236	239	241	242	243	246
Maryland	220	232	237	239	243	246	244
Massachusetts	232	239	247	251	251	252	253
Michigan	228	233	236	237	235	235	236
Minnesota	232	240	245	245	248	248	253

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

State	2000	2003	2005	2007	2009	2011	2013
Mississippi	211	223	226	227	228	231	232
Missouri	228	235	233	238	240	241	239
Montana	226	235	239	242	242	242	242
Nebraska	225	235	236	236	239	239	241
Nevada	218	226	229	230	234	236	235
New Hampshire	NA	240	244	247	250	251	251
New Jersey	NA	237	242	247	245	247	246
New Mexico	211	221	223	227	229	232	232
New York	224	235	237	242	239	237	240
North Carolina	230	241	241	241	244	244	245
North Dakota	229	235	241	243	244	244	246
Ohio	228	237	241	243	242	243	245
Oklahoma	223	228	233	236	236	238	238
Oregon	222	235	238	234	236	237	239
Pennsylvania	NA	234	240	243	242	245	244
Rhode Island	223	229	233	235	237	242	241
South Carolina	219	234	238	238	235	238	238
South Dakota	NA	235	240	240	241	240	241
Tennessee	219	228	231	231	231	232	240
Texas	230	236	240	242	240	241	242
Utah	227	233	237	238	239	241	241
Vermont	231	240	241	245	247	245	247
Virginia	227	239	239	242	241	244	246
Washington	NA	237	241	241	242	242	246
West Virginia	223	230	229	235	232	234	237
Wisconsin	S	235	239	243	242	244	244
Wyoming	227	240	242	243	241	243	246
Puerto Rico	NA						



4th grade math performance, female 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.

Science and Engineering Indicators 2016