

Chapter 8. State Indicators

8-5F Eighth Grade Mathematics Performance, Male Students

Description

This indicator represents the average score in mathematics of each state's eighth 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.

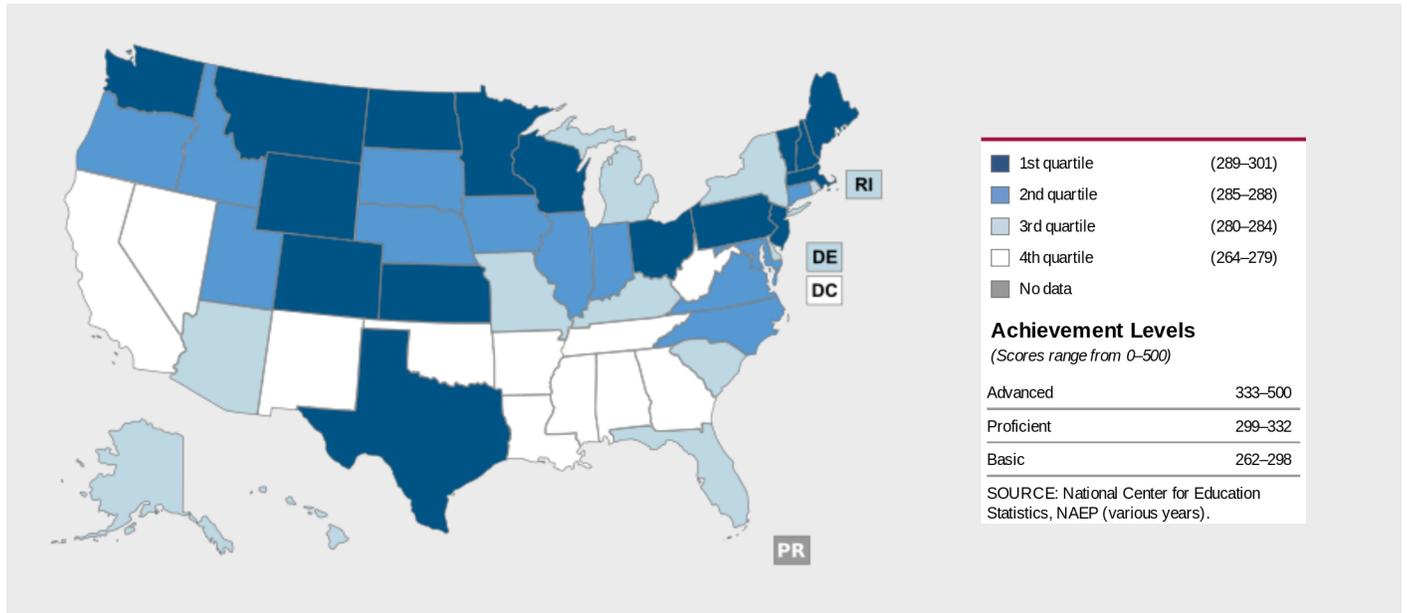
Approximately 164,600 eighth grade students in 6,200 schools participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency are allowed to use certain 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 8-5.

Findings

- In 2013, the nationwide average mathematics score of male eighth grade students was 284, an increase from 277 in 2003. In comparison, in 2013, the nationwide average mathematics score of eighth grade students (284) was not significantly different from male eighth graders.
- Average mathematics scores varied significantly across states, ranging from 269 to 301.
- None of the statewide averages were lower in 2013 than in 2003. Most statewide averages were higher in 2013 than in 2003, except for 11 statewide average scores, which were virtually the same in 2013 as in 2003.

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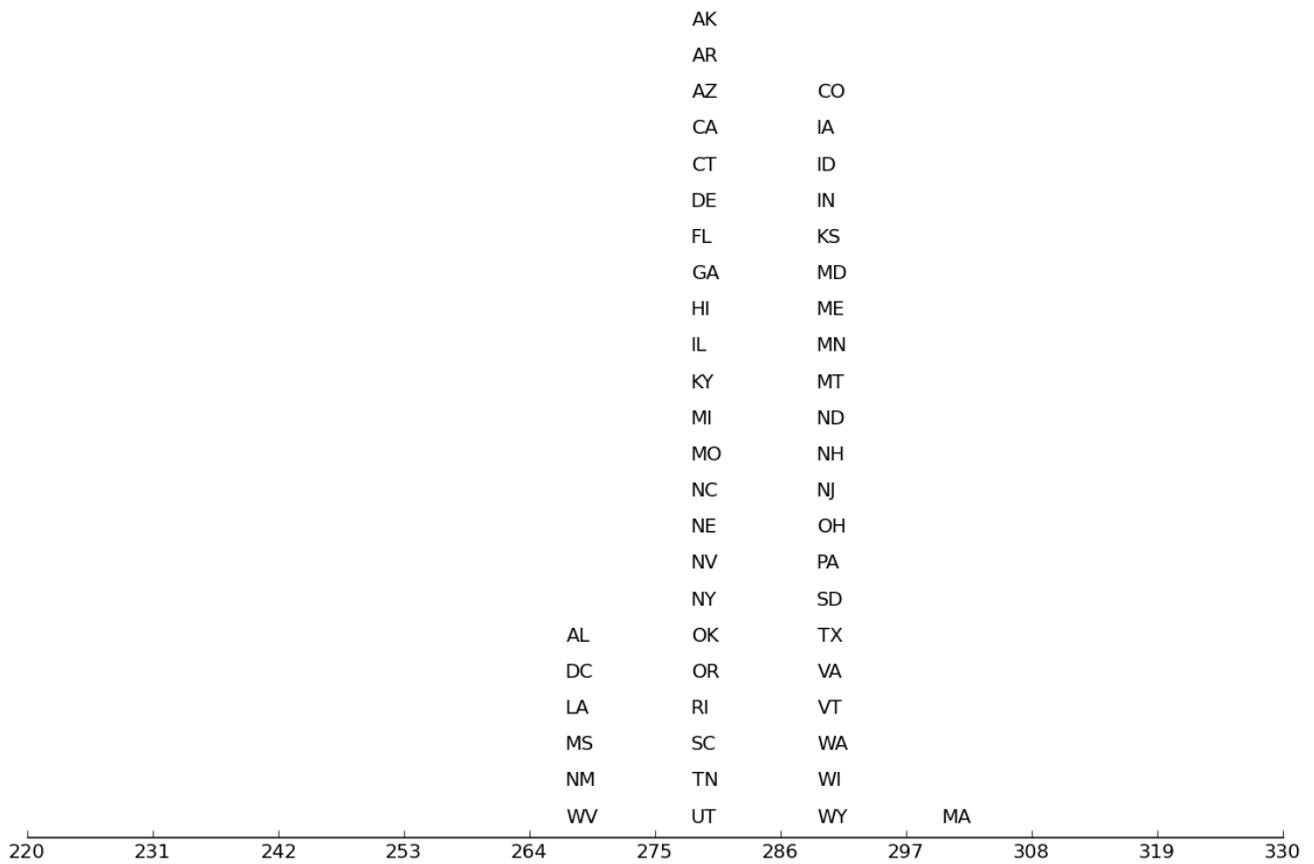
Year: 2013



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Distribution of states across indicator values



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Table 8-5F Eighth Grade Mathematics Performance, Male Students

State	8th grade math performance, male students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
United States	273	277	278	281	283	283	284
Alabama	265	263	261	267	268	269	269
Alaska	NA	280	280	282	283	283	282
Arizona	271	271	274	277	279	282	280
Arkansas	256	265	270	274	275	280	277
California	259	268	269	270	272	273	277
Colorado	NA	284	281	287	289	291	289
Connecticut	283	285	281	282	288	288	285
Delaware	NA	278	283	285	284	282	284
District of Columbia	235	242	246	248	252	259	264
Florida	NA	273	276	278	281	278	282
Georgia	265	270	273	275	277	279	279
Hawaii	260	265	265	267	271	277	280
Idaho	277	281	280	285	288	287	287
Illinois	272	278	279	282	284	283	285
Indiana	282	282	283	286	288	285	288
Iowa	NA	285	283	287	285	286	286
Kansas	283	284	285	291	290	291	290
Kentucky	271	275	275	280	281	282	281
Louisiana	260	267	267	273	272	272	273
Maine	282	283	282	288	288	288	290
Maryland	272	279	278	287	290	289	286
Massachusetts	279	289	291	300	300	299	301
Michigan	278	277	279	278	280	282	280
Minnesota	287	289	291	292	296	295	295

8th grade math performance, male students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
Mississippi	255	262	263	266	265	267	271
Missouri	272	280	278	282	287	283	283
Montana	284	286	286	287	292	293	289
Nebraska	282	284	285	285	286	284	285
Nevada	266	268	270	271	275	279	279
New Hampshire	NA	287	286	288	293	292	295
New Jersey	NA	282	286	290	295	294	295
New Mexico	259	264	264	268	271	275	273
New York	273	281	280	281	283	280	280
North Carolina	277	281	281	285	284	285	285
North Dakota	282	287	287	293	294	293	291
Ohio	281	283	284	286	287	290	290
Oklahoma	271	272	272	277	278	280	275
Oregon	282	282	284	285	287	285	285
Pennsylvania	NA	280	283	289	290	287	290
Rhode Island	268	273	272	276	278	283	284
South Carolina	264	280	282	281	281	280	281
South Dakota	NA	286	287	290	292	291	288
Tennessee	263	268	270	277	275	276	278
Texas	272	278	283	287	287	291	289
Utah	275	282	280	282	285	285	285
Vermont	279	286	287	292	294	294	295
Virginia	276	283	285	289	287	289	288
Washington	NA	282	285	285	290	288	290
West Virginia	265	271	268	271	271	274	274
Wisconsin	S	284	285	287	289	290	289
Wyoming	276	284	283	288	288	290	290
Puerto Rico	NA						

8th grade math performance, male 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