

Chapter 8. State Indicators

8-5C Eighth Grade Mathematics Performance, Hispanic 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.

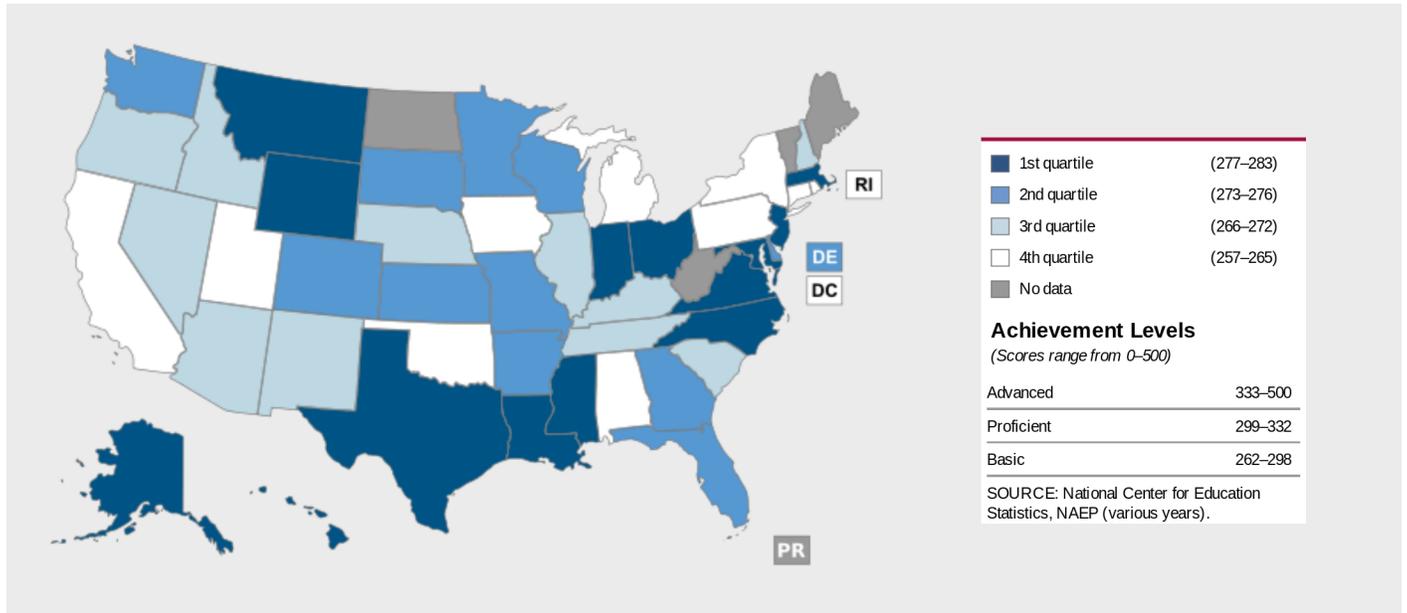
Approximately 164,600 eighth grade students, of whom 38,000 were Hispanic, participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency are allowed 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

- Percentages of Hispanic test takers varied on a state level from 1% to 60%. Nationally, in 2013, 23% of eighth grade mathematics test takers were Hispanic students compared with 15% in 2003.
- In 2013, the nationwide average mathematics score of Hispanic eighth grade students was 271, an increase from 258 in 2003. In 2013, the nationwide average mathematics score of eighth grade students was 284.
- Average mathematics scores varied significantly across states, ranging from 257 to 283.
- None of the reported statewide averages were lower in 2013 than in 2003. Almost all reported statewide averages were higher in 2013 than in 2003, except for the statewide average scores for Connecticut, Michigan, New York, and Ohio, which were virtually the same in 2013 as in 2003.

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Year: 2013

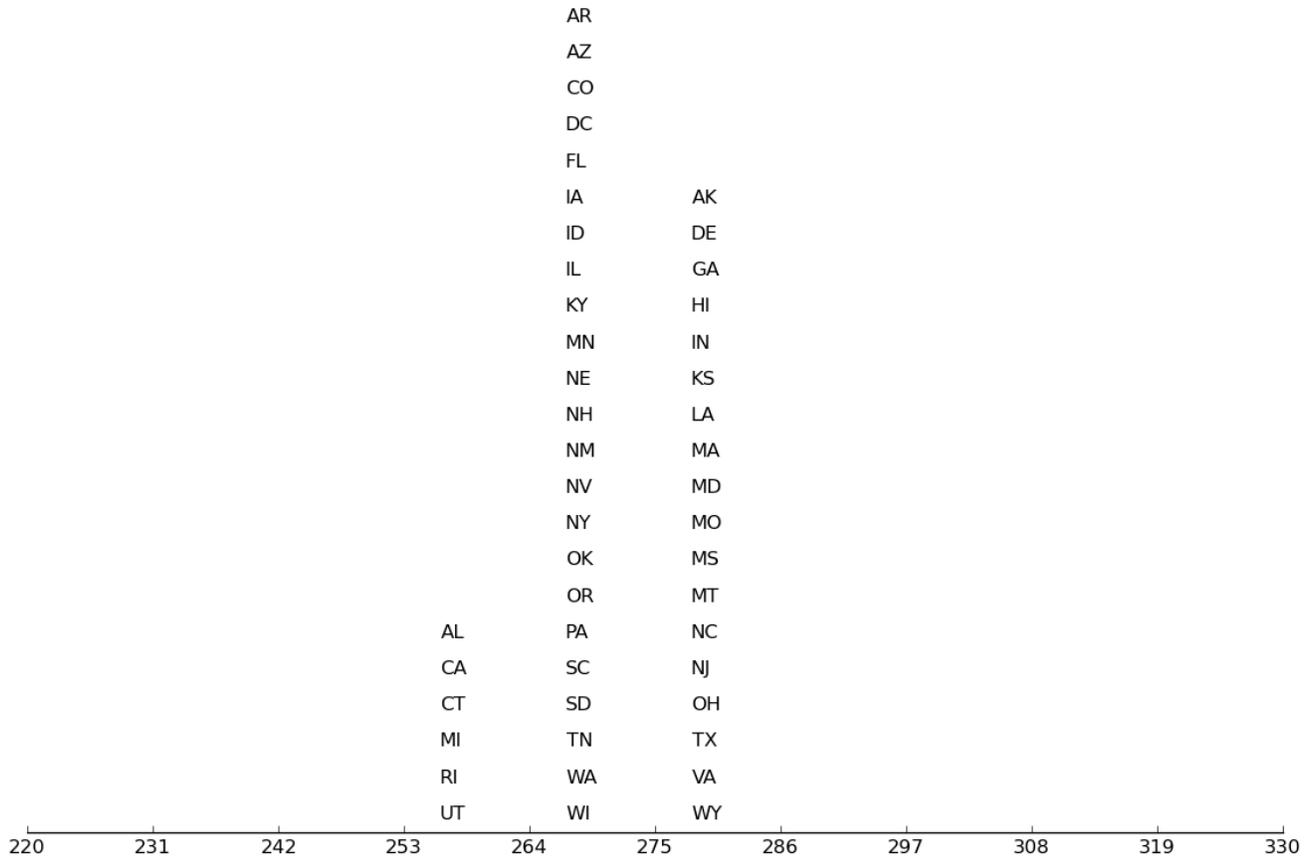




8-5C Eighth Grade Mathematics Performance, Hispanic Students

Year: 2013

Distribution of states across indicator values



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Table 8-5C Eighth Grade Mathematics Performance, Hispanic Students

| State | 8th grade math performance, Hispanic students (Score out of 500) | | | | | | |
|----------------------|--|------|------|------|------|------|------|
| | 2000 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 |
| United States | 252 | 258 | 261 | 264 | 266 | 269 | 271 |
| Alabama | S | S | S | 249 | 260 | 255 | 257 |
| Alaska | NA | 263 | 272 | 274 | 275 | 277 | 277 |
| Arizona | 248 | 258 | 260 | 262 | 265 | 266 | 269 |
| Arkansas | S | 248 | 266 | 256 | 269 | 272 | 274 |
| California | 242 | 250 | 254 | 256 | 256 | 260 | 263 |
| Colorado | NA | 259 | 260 | 264 | 267 | 271 | 273 |
| Connecticut | 249 | 259 | 254 | 254 | 263 | 262 | 258 |
| Delaware | NA | 257 | 268 | 267 | 278 | 274 | 276 |
| District of Columbia | 236 | 246 | 252 | 251 | 265 | 261 | 265 |
| Florida | NA | 264 | 265 | 270 | 274 | 274 | 274 |
| Georgia | S | 262 | 258 | 266 | 270 | 277 | 276 |
| Hawaii | S | 263 | 257 | 264 | 276 | 263 | 280 |
| Idaho | 250 | 251 | 261 | 264 | 264 | 267 | 268 |
| Illinois | 258 | 259 | 265 | 265 | 269 | 272 | 272 |
| Indiana | S | 261 | 261 | 267 | 273 | 275 | 278 |
| Iowa | NA | 255 | 264 | 261 | 266 | 269 | 265 |
| Kansas | 263 | 263 | 266 | 269 | 274 | 274 | 276 |
| Kentucky | S | S | S | S | 272 | 269 | 269 |
| Louisiana | S | S | S | S | S | 269 | 277 |
| Maine | S | S | S | S | S | S | S |
| Maryland | 263 | 262 | 262 | 272 | 275 | 273 | 280 |
| Massachusetts | 246 | 255 | 265 | 270 | 271 | 273 | 277 |
| Michigan | S | 267 | 265 | 259 | 269 | 274 | 261 |
| Minnesota | S | 262 | 263 | 269 | 269 | 270 | 273 |

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

| State | 2000 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 |
|----------------|------|------|------|------|------|------|------|
| Mississippi | S | S | S | S | S | 273 | 279 |
| Missouri | S | S | S | 270 | 284 | 267 | 276 |
| Montana | S | S | S | S | 278 | 285 | 282 |
| Nebraska | 242 | 255 | 261 | 261 | 262 | 261 | 267 |
| Nevada | 249 | 250 | 256 | 257 | 262 | 266 | 268 |
| New Hampshire | NA | S | S | 264 | 270 | 266 | 270 |
| New Jersey | NA | 262 | 264 | 271 | 272 | 274 | 283 |
| New Mexico | 251 | 254 | 255 | 260 | 262 | 269 | 268 |
| New York | 251 | 262 | 262 | 264 | 262 | 263 | 265 |
| North Carolina | S | 263 | 265 | 273 | 274 | 275 | 279 |
| North Dakota | S | S | S | S | S | S | S |
| Ohio | S | 270 | 259 | 276 | 267 | 273 | 277 |
| Oklahoma | 260 | 258 | 257 | 259 | 263 | 264 | 265 |
| Oregon | 248 | 258 | 257 | 261 | 264 | 268 | 266 |
| Pennsylvania | NA | 253 | 267 | 264 | 266 | 269 | 264 |
| Rhode Island | 240 | 245 | 244 | 251 | 255 | 261 | 263 |
| South Carolina | S | S | 269 | 272 | 269 | 273 | 272 |
| South Dakota | NA | S | S | 269 | 268 | 274 | 274 |
| Tennessee | S | S | S | 264 | 270 | 266 | 270 |
| Texas | 262 | 267 | 271 | 277 | 277 | 283 | 281 |
| Utah | 244 | 249 | 255 | 256 | 259 | 257 | 258 |
| Vermont | S | S | S | S | S | S | S |
| Virginia | 263 | 268 | 270 | 275 | 274 | 279 | 279 |
| Washington | NA | 263 | 262 | 263 | 264 | 269 | 273 |
| West Virginia | S | S | S | S | S | S | S |
| Wisconsin | S | 262 | 265 | 268 | 268 | 270 | 273 |
| Wyoming | 257 | 265 | 265 | 274 | 269 | 271 | 278 |
| Puerto Rico | NA |

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

| State | 2000 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 |
|-------|------|------|------|------|------|------|------|
|-------|------|------|------|------|------|------|------|

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