



Select Committee on School Finance Recalibration June 24-25, 2020

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In This Presentation:

- NAEP Overview
- NAEP Results, 1992-2019
 - Wyoming and National Public Comparisons
 - Trend line comparisons, all students
 - Disaggregated comparisons, student groups
 - State Comparisons: Bordering States
 - State Comparisons: Education Funding Peer States

Executive Summary

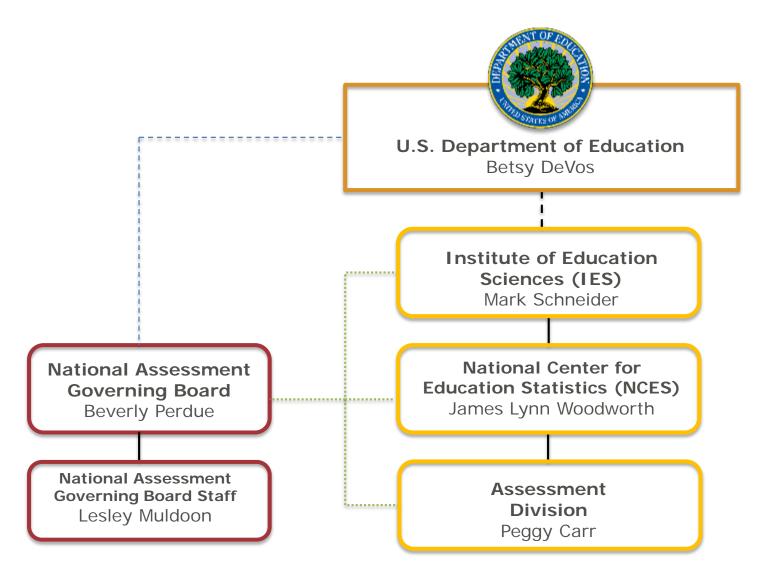
- Wyoming continues to perform above national public school averages on NAEP, and hold high ground in most reporting areas due to Wyoming student groups who perform well above their peers nationally
 - City, town and rural school students; lunch eligible students, Hispanic students, and Special Education students.
- Wyoming also continues to perform at or above neighboring states and as well as states with similar per student funding
 - 95% in regional comparisons with bordering states since 1992 (248 of 262 comparisons) and 100% (96 of 96 comparisons) since 2013.
 - 87% in spending comparisons with funding peer states since 1992 (305 of 344 comparisons).





Governance, Legislation, Components, Subjects Assessed, Assessment Content, Digital Administration, Sampling, Jurisdictional Coverage, Reporting Metrics, and Data 101

NAEP Governance



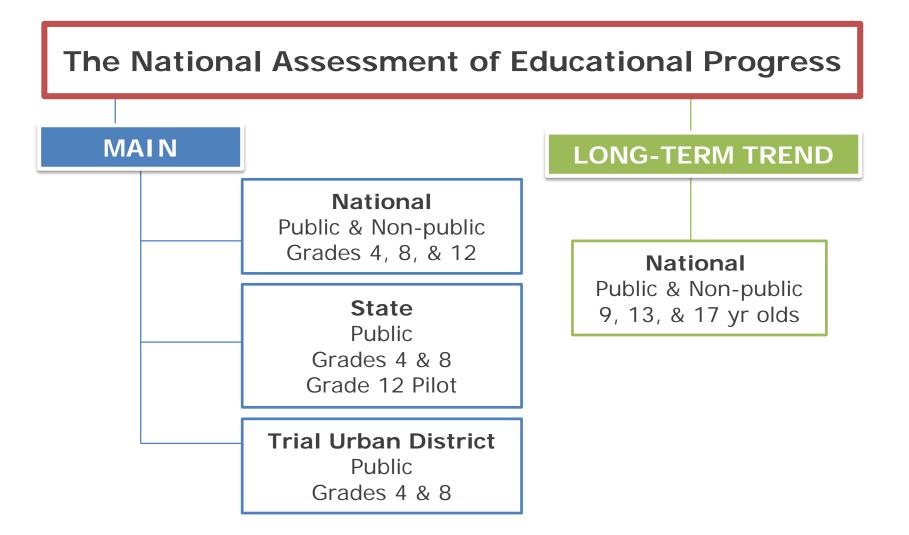
NAEP Legislation

Public Law 107-279

- Elementary and Secondary Education Act (1965)
 - No Child Left Behind (2001)
 - Every Student Succeeds Act (2015)
- Governing Board: oversees and sets NAEP policy
- NCES: manages NAEP administration and operations

- Requires grades 4 and 8 state-level math and reading every two years
- Assess math and reading in grade 12 every four years
- May assess other subjects, if funding permits
- Must administer longterm trend assessments in math and reading for ages 9, 13, and 17

Components of NAEP



Main NAEP: Subjects Assessed

Mathematics



Reading

Writing





Science

Civics





Geography

U.S. History





Economics

Vocabulary





Music

Visual Arts



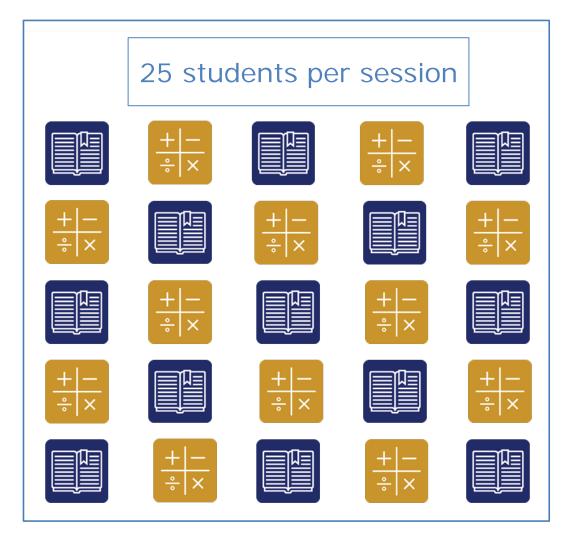


Technology and Engineering Literacy

Assessment Content:

- Discrete items and blocks
- Scenario-based tasks
- Hands-on tasks
- Response types
 - Selected response
 - Multiple choice (including multiple-select)
 - Drag and drop
 - Zone
 - Drop down
 - Constructed response
 - Short constructed response
 - Extended constructed response

NAEP Digital Administration





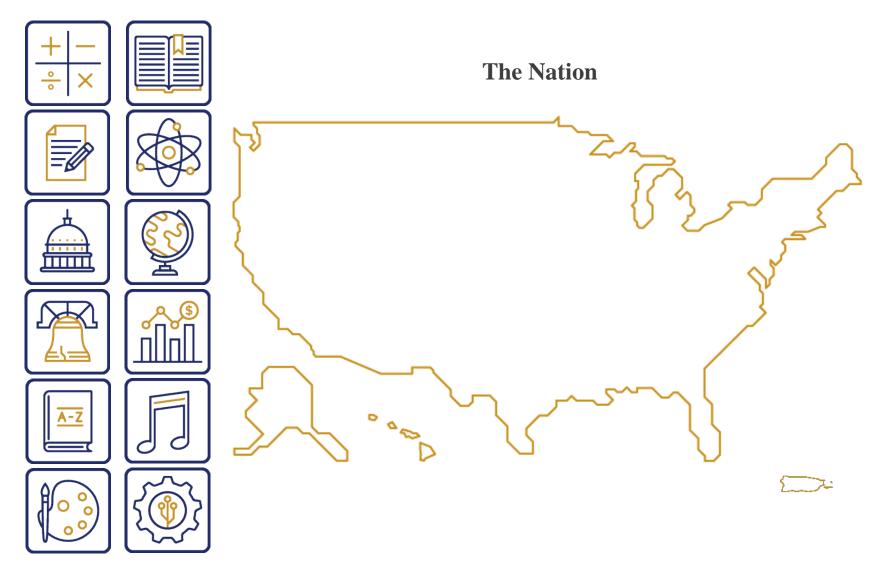
NAEP Sampling

- 1 Identify schools based on U.S. Department of Education's public school system database
- Classify schools into groups by type of location and then racial/ethnic composition
- Sort schools by student achievement measure

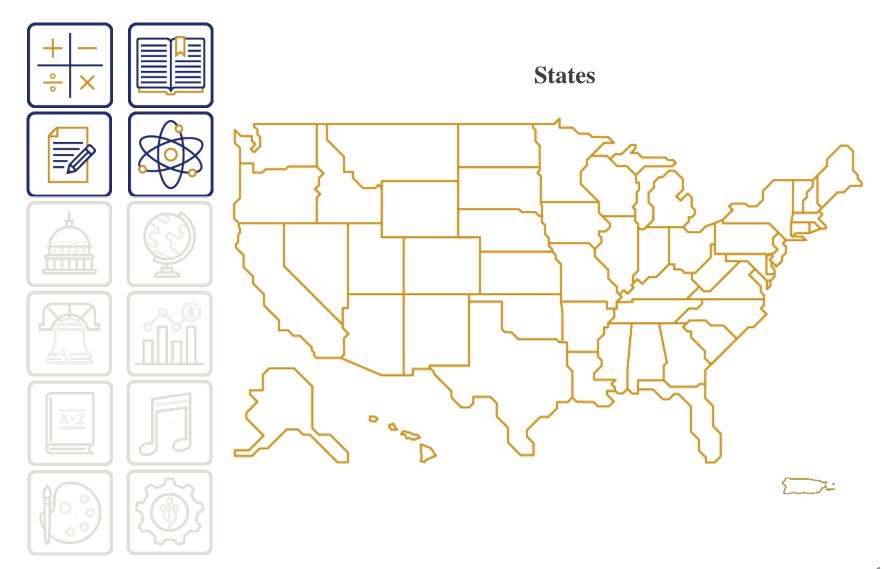
- School groupings placed into comprehensive ordered list
- Select sample of schools with probability proportional to school size

Confirm schools by sending list to each state department of education

Jurisdictional Coverage



Jurisdictional Coverage



Reporting Metrics

- Scale scores: 0–500 points or 0–300 points depending on the subject
- Percentile scores: scale score for lower (10th and 25th), middle (50th), and higher (75th and 90th) performing students
- Achievement levels: percentage reaching or exceeding cut points for
 - Basic
 - Proficient
 - Advanced
- Performance levels: percentage reaching or exceeding 150, 200, 250, 300, and 350 points on long-term trend assessments

NAEP Data 101: Caveats, Past Trends

- Sampling variability: statistical significance testing underlies <u>all</u>
 NAEP results; very similar to the way 'margin of error' works in
 polling results
- NAEP's proficiency bar: a high one, aspirational; set higher than "proficient" cut scores for most state assessments
- NAEP state rankings: less of a 1 thru 50 state horserace due to sampling and statistical ties, and more analogous to a three-layer cake, e.g., # of states ahead of Wyoming, # states surpassed by Wyoming, # states statistically even with Wyoming
- NAEP results represent a "snapshot": NAEP does NOT track individual student performance over time, the data are not longitudinal, and causal inferences are not supported; instead, NAEP results are bounded by place and time, i.e., operate very similarly to thermometer readings
- General results patterns: since the 1990's & 2000's, greater overall gains in mathematics than in reading; more advances in grade four than in grade eight



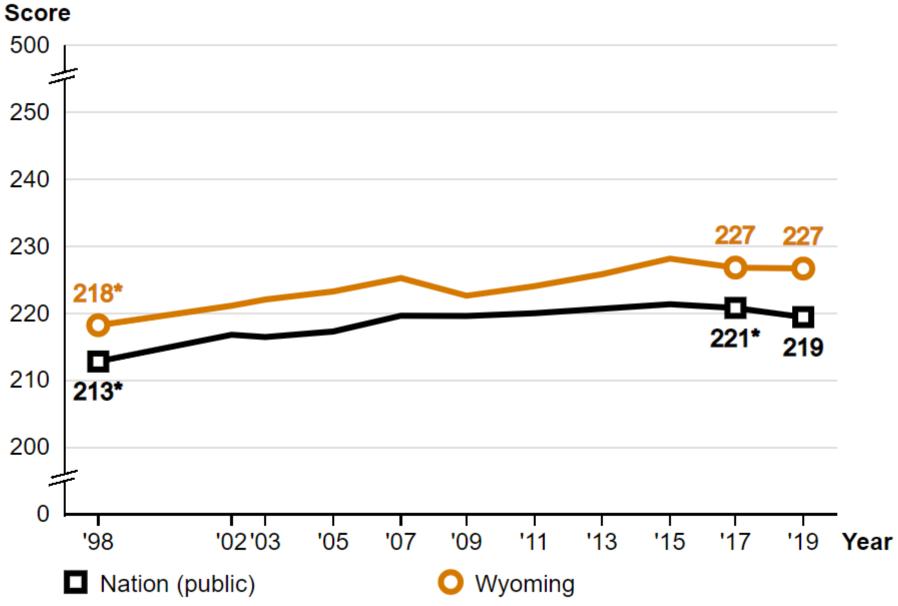


Reading and mathematics, grades four and eight; National, state, regional and funding comparisons

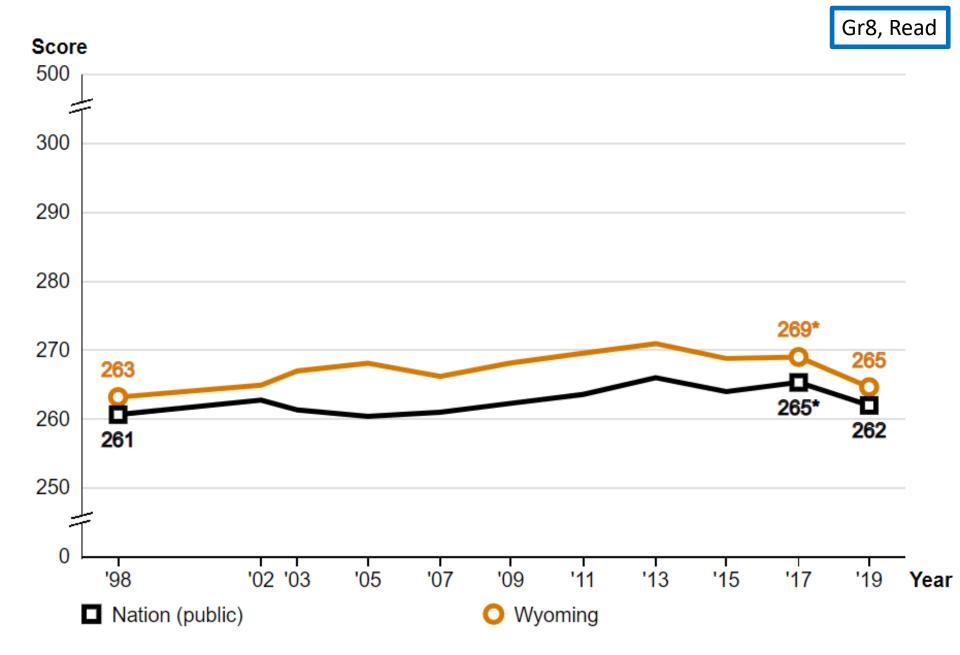
National Comparisons 1998 - 2019

Wyoming vs. Nat'l Public average scale scores:

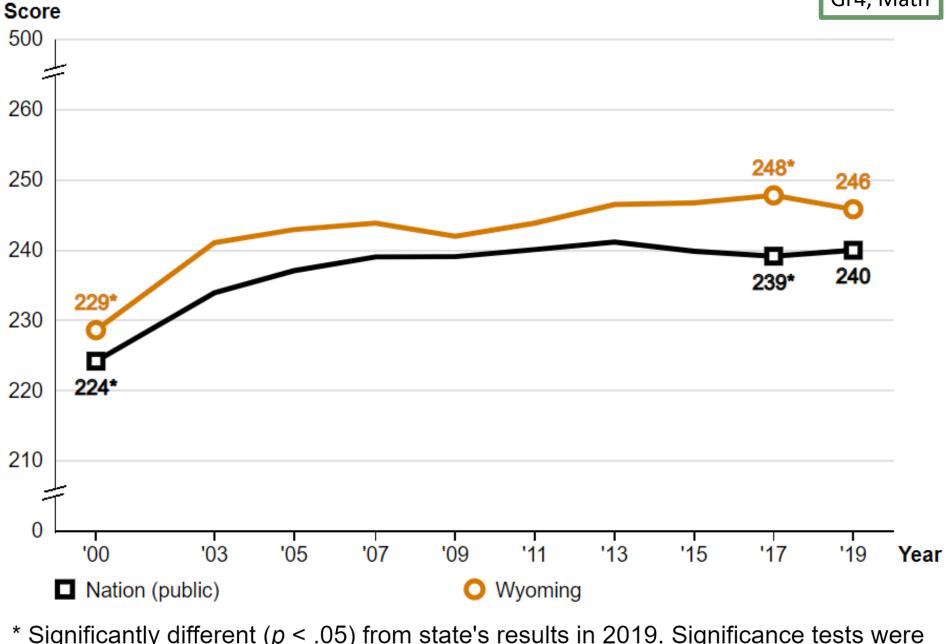
Aggregate "all students" trend lines and disaggregated student group comparisons



^{*} Significantly different (p < .05) from state's results in 2019. Significance tests were performed using unrounded numbers.

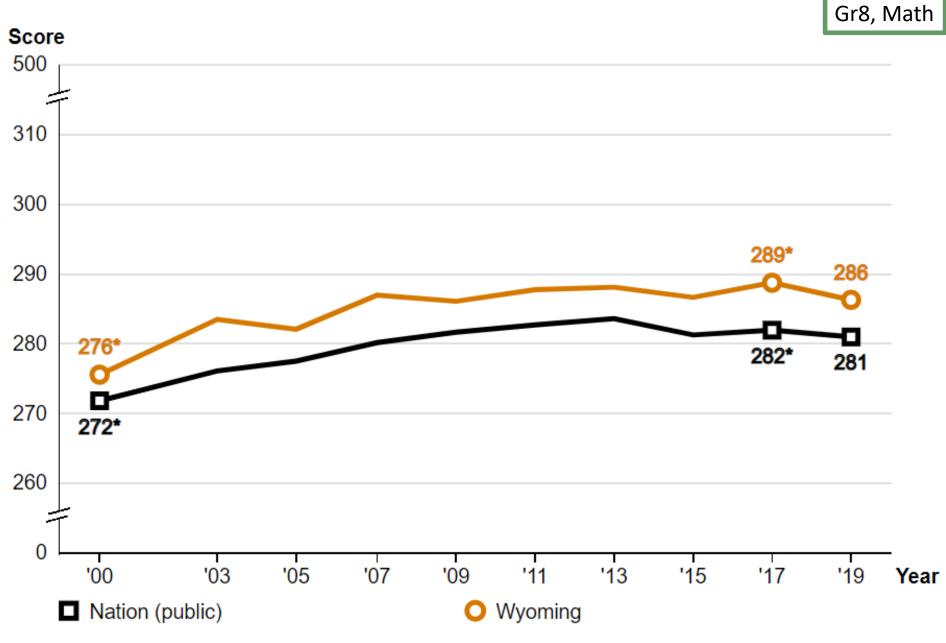


^{*} Significantly different (p < .05) from state's results in 2019. Significance tests were performed using unrounded numbers.



Gr4, Math

* Significantly different (p < .05) from state's results in 2019. Significance tests were performed using unrounded numbers.



^{*} Significantly different (p < .05) from state's results in 2019. Significance tests were performed using unrounded numbers.

National Public student groups with statistically higher national scores, groups not significantly different, and those scoring lower than Wyoming students

			<u>R</u>	leading:	<u>Grade 4</u>			
	White	No FRL	Hispanic	NSLP	IEP	City	Town	Rural
2019	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2017	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>NP	\leftrightarrow	WY>NP	WY>NP	WY>NP
2015	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2013	WY <np< th=""><th>WY<np< th=""><th>WY>NP</th><th>\leftrightarrow</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th></np<></th></np<>	WY <np< th=""><th>WY>NP</th><th>\leftrightarrow</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th></np<>	WY>NP	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP
2011	WY <np< th=""><th>WY<np< th=""><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>\leftrightarrow</th></np<></th></np<>	WY <np< th=""><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>\leftrightarrow</th></np<>	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow
2009	WY <np< th=""><th>\leftrightarrow</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>\leftrightarrow</th></np<>	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow
2007	WY <np< th=""><th>\leftrightarrow</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>\leftrightarrow</th></np<>	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow
2005	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow			
2003	WY <np< th=""><th>\leftrightarrow</th><th>WY>NP</th><th>\leftrightarrow</th><th>\leftrightarrow</th><th>No NAE</th><th>P school</th><th>location</th></np<>	\leftrightarrow	WY>NP	\leftrightarrow	\leftrightarrow	No NAE	P school	location
2002	WY <np< th=""><th>\leftrightarrow</th><th>WY>NP</th><th>\leftrightarrow</th><th>\leftrightarrow</th><th>reporti</th><th>ng prior t</th><th>o 2007</th></np<>	\leftrightarrow	WY>NP	\leftrightarrow	\leftrightarrow	reporti	ng prior t	o 2007
1998	\leftrightarrow	\leftrightarrow	WY>NP	\leftrightarrow	\leftrightarrow			

			IVIA	uiciliauc	3. Glauc	_		
_	White	No FRL	Hispanic	NSLP	IEP	City	Town	Rural
2019	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2017	WY>NP	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2015	WY>NP	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2013	\leftrightarrow	WY <np< th=""><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th></np<>	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2011	WY <np< th=""><th>WY<np< th=""><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th></np<></th></np<>	WY <np< th=""><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th></np<>	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2009	WY <np< th=""><th>WY<np< th=""><th>\leftrightarrow</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>\leftrightarrow</th></np<></th></np<>	WY <np< th=""><th>\leftrightarrow</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>\leftrightarrow</th></np<>	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow
2007	WY <np< th=""><th>\leftrightarrow</th><th>\leftrightarrow</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th><th>WY>NP</th></np<>	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP
2005	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	\leftrightarrow	NI - NI 4 E	D l I	1
2003	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	No NAEP school location reporting prior to 2003		
2000	/ \	/ \	/ \	M/V>ND	/ \	reporti	ng prior t	0 2007

Mathematics: Grade 4

<u>keading: Grade 8</u>										
White	No FRL	Hispanic	NSLP	IEP	City	Town	Rural			
WY <np< td=""><td>WY<np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>\Rightarrow</td><td>\Rightarrow</td><td>WY>NP</td><td>WY>NP</td></np<></td></np<>	WY <np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>\Rightarrow</td><td>\Rightarrow</td><td>WY>NP</td><td>WY>NP</td></np<>	\leftrightarrow	WY>NP	\Rightarrow	\Rightarrow	WY>NP	WY>NP			
WY <np< td=""><td>WY<np< td=""><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td></np<></td></np<>	WY <np< td=""><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td></np<>	WY>NP	WY>NP	\leftrightarrow	WY>NP	WY>NP	WY>NP			
\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP			
WY <np< td=""><td>WY<np< td=""><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td></np<></td></np<>	WY <np< td=""><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td></np<>	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow			
\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	\leftrightarrow	WY>NP	WY>NP	\leftrightarrow			
\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP			
\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow			
\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP						
\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	No NAEP school location					
WY <np< td=""><td>WY<np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>\leftrightarrow</td><td>reporti</td><td>ng prior t</td><td>o 2007</td></np<></td></np<>	WY <np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>\leftrightarrow</td><td>reporti</td><td>ng prior t</td><td>o 2007</td></np<>	\leftrightarrow	WY>NP	\leftrightarrow	reporti	ng prior t	o 2007			
WY <np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td></td><td></td><td></td></np<>	\leftrightarrow	WY>NP	WY>NP	\leftrightarrow						
Mathematics: Grade 8										

White	No FRL	Hispanic	NSLP	IEP	City	Town	Rural		
\leftrightarrow	WY <np< td=""><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td>WY>NP</td><td>\Rightarrow</td><td>WY>NP</td></np<>	WY>NP	WY>NP	\leftrightarrow	WY>NP	\Rightarrow	WY>NP		
\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP		
\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	WY>NP		
WY <np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td>WY>NP</td></np<>	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow	WY>NP		
\leftrightarrow	WY <np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td>WY>NP</td></np<>	\leftrightarrow	WY>NP	WY>NP	WY>NP	\leftrightarrow	WY>NP		
WY <np< td=""><td>WY<np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td>WY>NP</td></np<></td></np<>	WY <np< td=""><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>WY>NP</td><td>\leftrightarrow</td><td>WY>NP</td></np<>	\leftrightarrow	WY>NP	WY>NP	WY>NP	\leftrightarrow	WY>NP		
\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP	WY>NP	\leftrightarrow	WY>NP		
WY <np< td=""><td>\leftrightarrow</td><td>\leftrightarrow</td><td>WY>NP</td><td>WY>NP</td><td>NI- NIAF</td><td>D aabaal</td><td>l + :</td></np<>	\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	NI- NIAF	D aabaal	l + :		
\leftrightarrow	\leftrightarrow	WY>NP	WY>NP	WY>NP		o NAEP school location			
WY <np< td=""><td>\leftrightarrow</td><td>\leftrightarrow</td><td>WY>NP</td><td>\leftrightarrow</td><td colspan="4">reporting prior to 2007</td></np<>	\leftrightarrow	\leftrightarrow	WY>NP	\leftrightarrow	reporting prior to 2007				

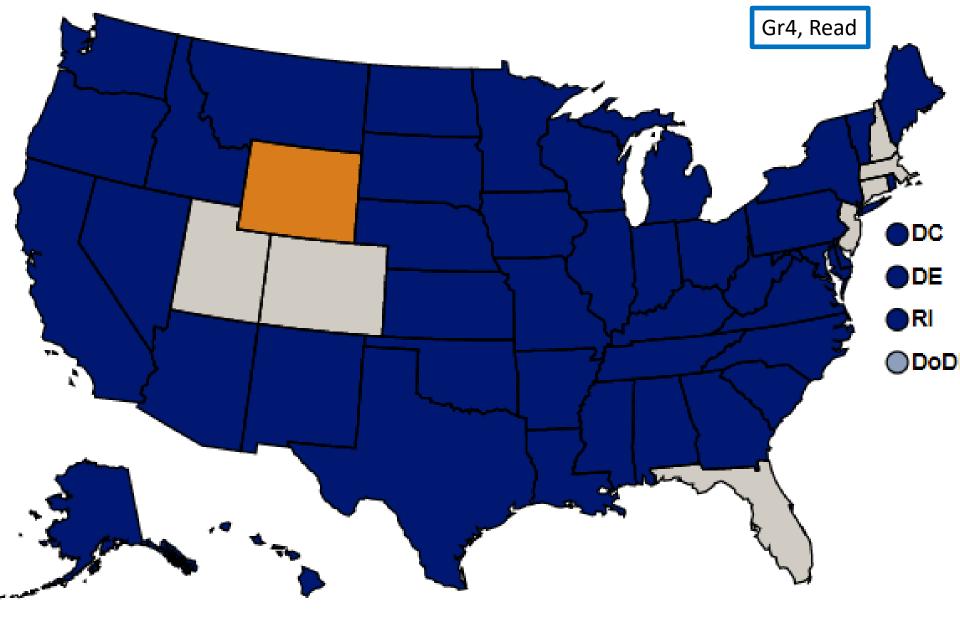
WY <np< th=""><th>= National public students significantly higher than WY</th></np<>	= National public students significantly higher than WY
\leftrightarrow	= Wyoming and NP statistically tied
WY>NP	= NP significantly lower than Wyoming students

WY>NP

		Summary Counts									
	<u>White</u>	No FRL	<u>Hispanic</u>	NSLP	<u>IEP</u>	<u>City</u>	<u>Town</u>	<u>Rural</u>			
WY <np< th=""><th>18</th><th>12</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th></np<>	18	12	0	0	0	0	0	0			
\leftrightarrow	22	28	13	5	14	1	5	7			
WY>NP	2	2	29	37	28	27	23	21			

State Comparisons 1992 - 2019

NAEP Basic and Above Percentages: Number of states significantly higher, not significantly different, and lower than Wyoming

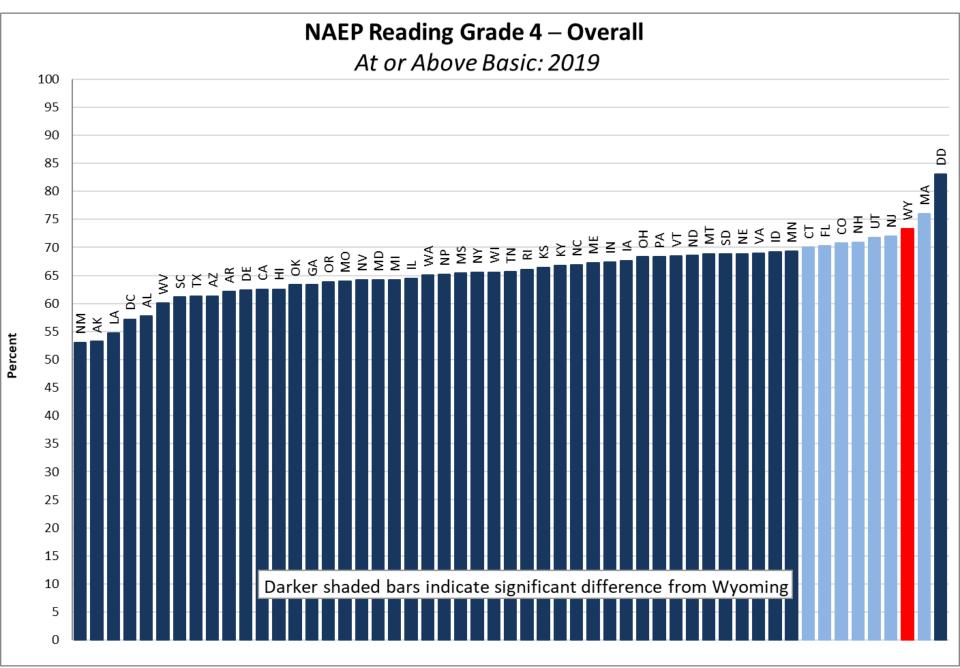


In 2019, the percentage at or above NAEP Basic in Wyoming (73) was

lower than those in 1 state/jurisdiction

higher than those in 43 states/jurisdictions

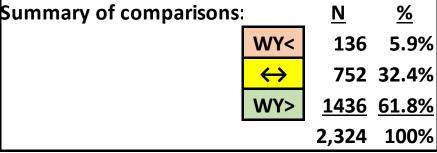
not cignificantly different from those in 7 states/jurisdictions



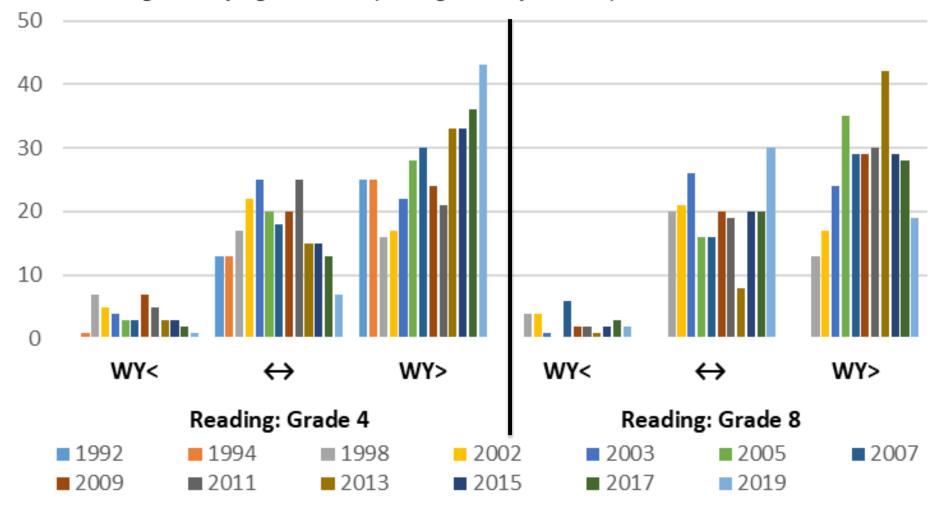
State comparisons, *NAEP Basic and Above*: Number of states significantly higher than WY, not significantly different, and lower than WY

_	Reading: Grade 4		Reading: Grade 8		_	Math: Grade 4		Math: Grade 8					
	WY<	\leftrightarrow	WY>	WY<	\leftrightarrow	WY>		WY<	\leftrightarrow	WY>	WY<	\leftrightarrow	WY>
2019	1	7	43	2	30	19	2019	1	9	41	1	13	37
2017	2	13	36	3	20	28	2017	1	6	44	1	6	44
2015	3	15	33	2	20	29	2015	1	10	40	3	14	34
2013	3	15	33	1	8	42	2013	1	6	44	3	12	36
2011	5	25	21	2	19	30	2011	2	18	31	2	15	34
2009	7	20	24	2	20	29	2009	3	19	29	5	24	22
2007	3	18	30	6	16	29	2007	3	12	36	2	15	34
2005	3	20	28	0	16	35	2005	1	13	37	3	17	31
2003	4	25	22	1	26	24	2003	0	5	46	2	14	35
2002	5	22	17	4	21	17	2000	0	23	18	7	13	20
1998	7	17	16	<u>4</u>	<u>20</u>	<u>13</u>	1996	10	20	14	7	11	23
1994	1	13	25				1992	<u>1</u>	<u>11</u>	<u>29</u>	<u>5</u>	<u>7</u>	<u>29</u>
1992	<u>0</u>	<u>13</u>	<u>25</u>										
	<u>44</u>	<u>223</u>	<u>353</u>	<u>27</u>	<u>216</u>	<u>295</u>		<u>24</u>	<u>152</u>	<u>409</u>	<u>41</u>	<u>161</u>	<u>379</u>
							Summ	ary of	fcomp	parisons	S:	<u>N</u>	<u>%</u>
WY< =significantly higher than Wyoming										WY<	136	5.9%	

⇒ =not statistically different from Wyoming
WY> =significantly lower than Wyoming



Cross-year state comparison trends, NAEP Basic and Above: Number of states significantly higher than WY, not significantly different, and lower than WY

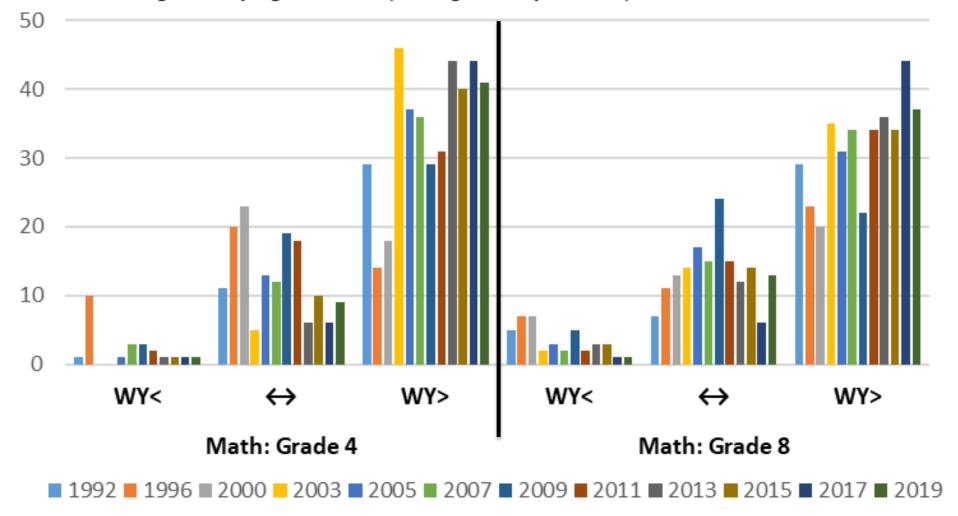


WY< = Higher than Wyoming

⇒ = Statistically tied with Wyoming

WY> = NAEP Basic and Above lower than Wyoming

Cross-year state comparison trends, NAEP Basic and Above: Number of states significantly higher than WY, not significantly different, and lower than WY



WY< = Higher than Wyoming

⇒ = Statistically tied with Wyoming

WY> = NAEP Basic and Above lower than Wyoming

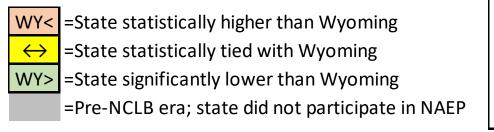
Regional Comparisons 1992 - 2019

NAEP Basic and Above Percentages: Number of states significantly higher, not significantly different, and lower than Wyoming

Border states with statistically higher percentages of *NAEP Basic and Above* students, states not significantly different, and states with lower percentages than Wyoming

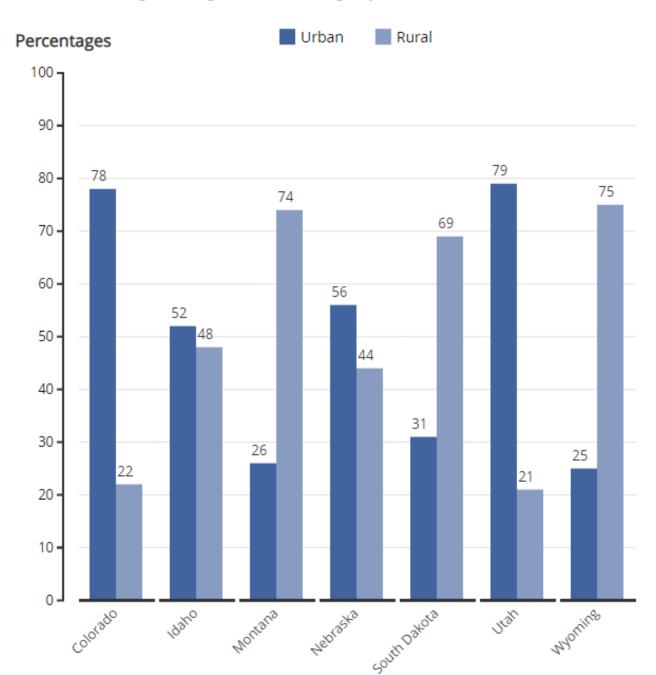
		Re	ading	Grad	<u>e 4</u>		Reading: Grade 8					
	co	ID	MT	NE	SD	UT	CO	ID	MT	NE	SD	UT
2019	\leftrightarrow											
2017	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	WY>	\leftrightarrow						
2015	\leftrightarrow	WY>	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow						
2013	\leftrightarrow	WY>	WY>	WY>	WY>	WY>	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>	WY>	WY>
2011	\leftrightarrow	WY<	\leftrightarrow	\leftrightarrow	\leftrightarrow							
2009	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	WY>	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow
2007	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	\leftrightarrow	WY<	\leftrightarrow	WY<	WY>
2005	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>
2003	\leftrightarrow											
2002		\leftrightarrow	\leftrightarrow	\leftrightarrow		\leftrightarrow		\leftrightarrow	WY<	WY<		\leftrightarrow
1998	\leftrightarrow		WY<			\leftrightarrow	\leftrightarrow		WY<			\leftrightarrow
1994	WY>		\leftrightarrow	\leftrightarrow		\leftrightarrow						
1002	\\/V\	\triangle				\leftarrow						

		Math	nemati	ics: Gr	ade 4		Mathematics: Grade 8						
_	CO	ID	MT	NE	SD	UT	_	СО	ID	MT	NE	SD	UT
2019	WY>	WY>	WY>	WY>	WY>	WY>		\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow
2017	WY>	WY>	WY>	WY>	WY>	WY>		WY>	WY>	\Rightarrow	\leftrightarrow	\leftrightarrow	WY>
2015	WY>	WY>	WY>	\Rightarrow	WY>	WY>		\leftrightarrow	\Rightarrow	\Rightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow
2013	WY>	WY>	WY>	WY>	WY>	WY>		\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	WY>
2011	WY>	WY>	\leftrightarrow	WY>	\leftrightarrow	WY>		\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	WY>
2009	WY>	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	WY>		\leftrightarrow	\leftrightarrow	WY<	\leftrightarrow	WY<	\leftrightarrow
2007	WY>	WY>	\leftrightarrow	WY>	\leftrightarrow	WY>		WY>	WY>	\leftrightarrow	WY>	\leftrightarrow	WY>
2005	WY>	\leftrightarrow	\leftrightarrow	WY>	\leftrightarrow	WY>		WY>	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY<	WY>
2003	WY>	WY>	WY>	WY>	WY>	WY>		\leftrightarrow	WY>	\leftrightarrow	\leftrightarrow	\leftrightarrow	WY>
2000		\leftrightarrow	\leftrightarrow	\leftrightarrow		\leftrightarrow			\leftrightarrow	WY<	WY<		\leftrightarrow
1996	\leftrightarrow		\leftrightarrow	\leftrightarrow		\leftrightarrow		\leftrightarrow		WY<	WY<		\leftrightarrow
1992	WY>	WY>		\leftrightarrow		\leftrightarrow		\leftrightarrow	\leftrightarrow		\leftrightarrow		\leftrightarrow



9	Summa								
		<u>CO</u>	<u>ID</u>	MT	<u>NE</u>	<u>SD</u>	<u>UT</u>	<u>Totals</u>	<u>%</u>
	WY<	0	0	8	3	3	0	14	5%
	\leftrightarrow	28	29	30	30	24	27	168	64%
	WY>	16	14	7	13	9	21	<u>80</u>	<u>31%</u>
		4	5	3	2	12	0	<u>262</u>	100%

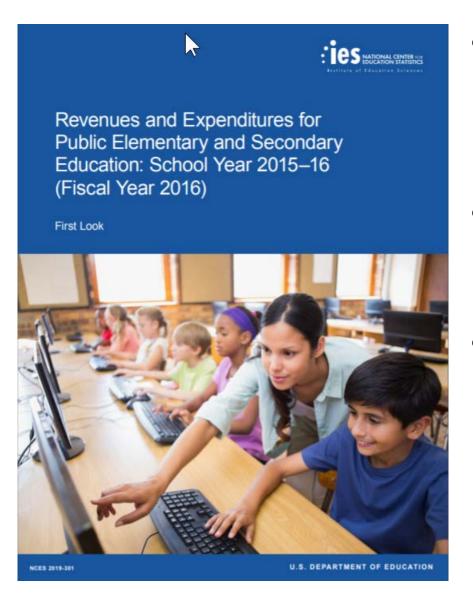
Percentages for grade 4 reading, by School location, 2019



Funding Comparisons 1992 - 2019

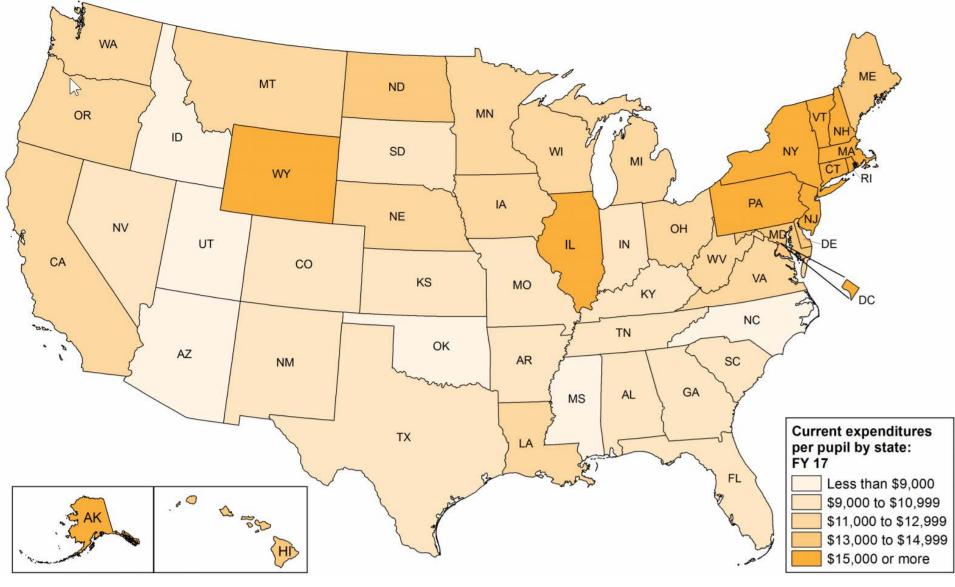
States with Similar
Per Capita Education Expenditures:
Percentage of NAEP Basic and Above Students

SOURCE: U.S. Dept. of Education annual reports



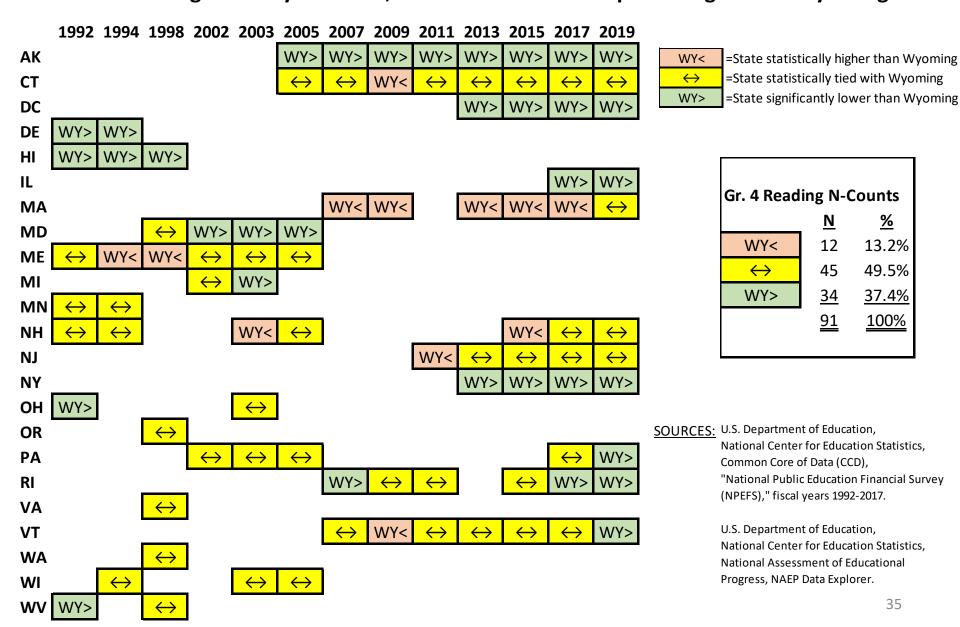
- See state fiscal reports
 posted at
 https://nces.ed.gov/ccd/
 pub rev exp.asp
- Reporting available from school year 1992-1993 thru 2016-17
- Peer expenditure states similar to Wyoming as highlighted in the federal reporting.

Wyoming was one of eleven jurisdictions spending over \$15,000 per student during the 2016-2017 school year. Jurisdictions also at this spending level: Alaska, Connecticut, DC, Illinois, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

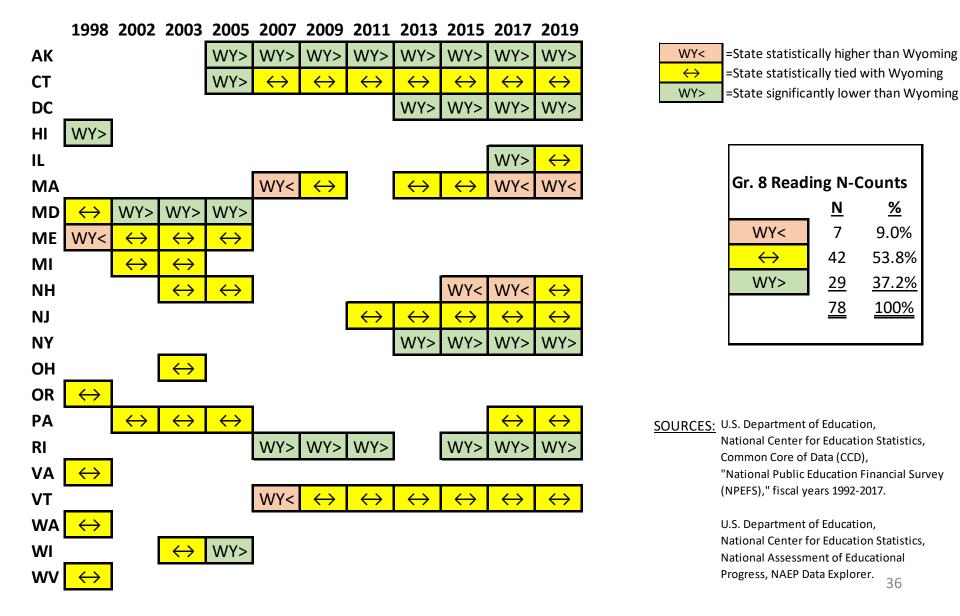


SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "Revenues and Expenditures for Public Elementary Education: FY17," Finance Tables, February 2020, NCES 2020-301.

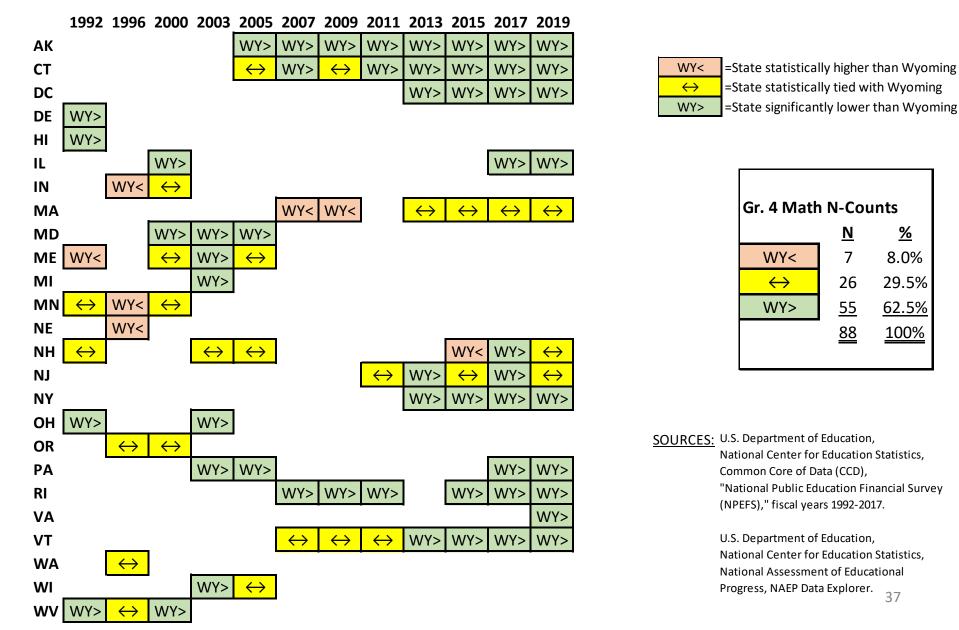
Peer states with per capita student expenditures similar to Wyoming, Grade 4 reading 1992-2019: States with statistically higher percentages of *NAEP Basic and Above* students, states not significantly different, and states with lower percentages than Wyoming



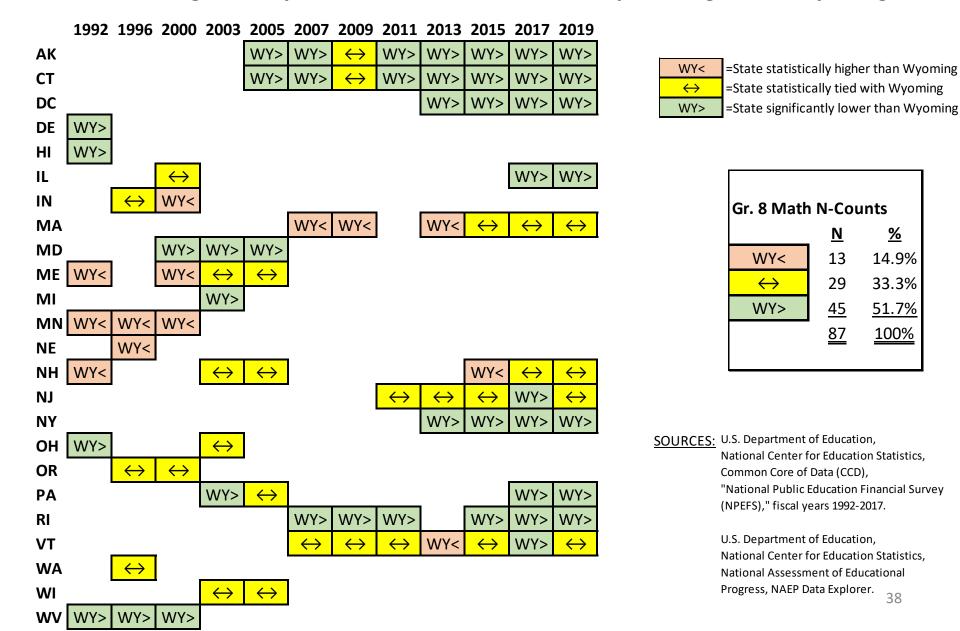
Peer states with per capita student expenditures similar to Wyoming, Grade 8 reading 1992-2019: States with statistically higher percentages of *NAEP Basic and Above* students, states not significantly different, and states with lower percentages than Wyoming



Peer states with per capita student expenditures similar to Wyoming, Grade 4 mathematics 1992-2019: States with statistically higher percentages of *NAEP Basic and Above* students, states not significantly different, and states with lower percentages than Wyoming



Peer states with per capita student expenditures similar to Wyoming, Grade 8 mathematics 1992-2019: States with statistically higher percentages of *NAEP Basic and Above* students, states not significantly different, and states with lower percentages than Wyoming



Peer states with per capita student expenditures similar to Wyoming, reading and mathematics, grades four and eight 1992-2019: States with statistically higher percentages of NAEP Basic and Above students, states not significantly different, and states with lower percentages than Wyoming

	NAE	P Reading, E	<u>sasic ana <i>F</i></u>	<u>Above</u>	NAEP Watnematics, Basic and Above					
	Grade 4	Grade 8	Totals,	Reading	Grade 4	Grade 8	Totals, M	athematics		
	<u>N</u>	<u>N</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>%</u>		
(12	7	19	11.2%	7	13	20	11.4%		
	45	42	87	51.5%	26	29	55	31.4%		
>	<u>34</u>	<u>29</u>	<u>63</u>	37.3%	<u>55</u>	<u>45</u>	<u>100</u>	57.1%		
	<u>91</u>	<u>78</u>	<u>169</u>	<u>100%</u>	<u>88</u>	<u>87</u>	<u>175</u>	<u>100%</u>		

	Summary state N-counts and percent										
	Grade 4	Grade 8	All grade	s/subjects							
	<u>N</u>	<u>N</u>	<u>N</u>	<u>%</u>							
WY<	19	20	39	11.3%							
\leftrightarrow	71	71	142	41.3%							
WY>	89	74	<u>163</u>	47.4%							
	<u>179</u>	<u>165</u>	<u>344</u>	<u>100%</u>							

WY< = Number of states statistically higher than Wyoming = Number of states statistically tied with Wyoming \leftrightarrow = Number of states significantly lower than Wyoming WY>

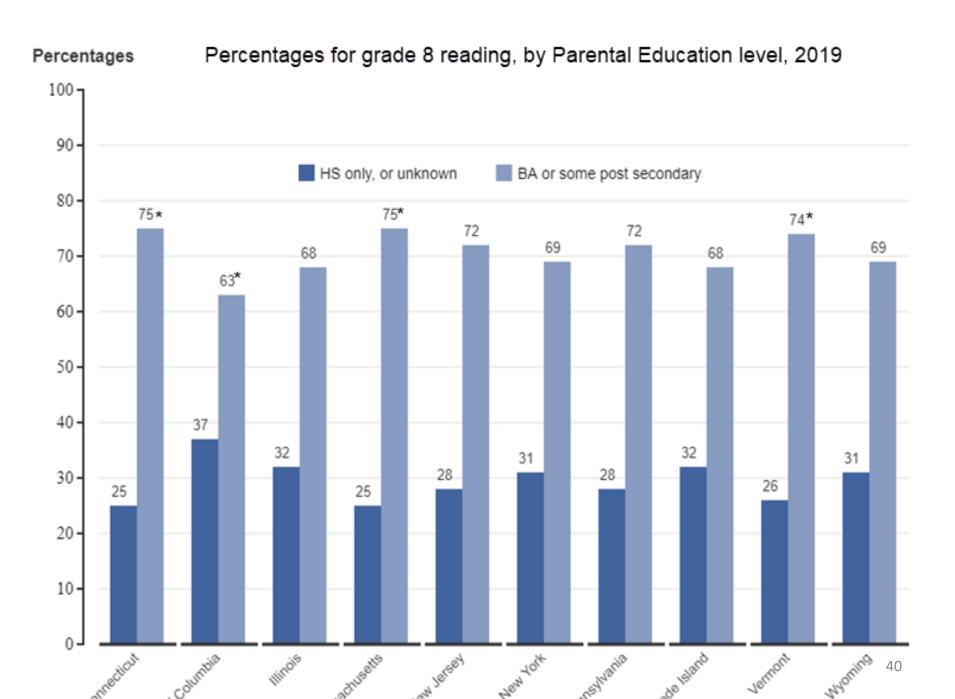
NIAED Dooding Dasis and About

WY<

SOURCES: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "National Public Education Financial Survey (NPEFS)," fiscal years 1992-2017.

NIAED Mathamatics Pasis and About

U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, NAEP Data Explorer.



Executive Summary

- Wyoming continues to perform above national public school averages on NAEP, and hold high ground in most reporting areas due to Wyoming student groups who perform well above their peers nationally
 - City, town and rural school students; lunch eligible students, Hispanic students, and Special Education students.
- Wyoming also continues to perform at or above neighboring states and as well as states with similar per student funding
 - 95% in regional comparisons with bordering states since 1992 (248 of 262 comparisons) and 100% (96 of 96 comparisons) since 2013.
 - 87% in spending comparisons with funding peer states since 1992 (305 of 344 comparisons).