

New Jersey NAEP: Overview and Key Results

NCLB School Improvement Advisory Committee Meeting

Office of Title I Planning and Accountability, New Jersey DOE

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Hi! I'm from the "NJDOE" and I'm here to help!!



The Nation's Report Card

NAEP

NEW JERSEY



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*New Jersey
NAEP Coordinator*

NAEP 101:



- What's NAEP?
- How do the NJ students perform on NAEP?

Uncle Sam Wants to Know--



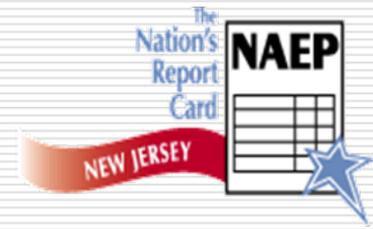
*Are U.S. students
learning what they
should be learning?*

(Congress, 1969)

The *only* large-scale assessment of its kind

Given in all 50 states

Administered by US Department of Education, National Center for Educational Statistics



Many NAEP Tests

- National sample
 - Beginning in 1970's to present (Long-Term Trend test)
 - Ages 9, 13, and 17 or Grade 4, 8, or 12
 - State sample
 - Beginning in 1990 to present
 - Grades 4 & 8
 - Trial Urban Districts Assessment (TUDA)--None in NJ
 - Beginning in 2002 to present
 - Grades 4 & 8
 - Below-State NAEP sample - (New) Pilot tested 2009
 - NAEP Mapped onto Other Large-Scale Assessments
 - 2005 State Mapping Study (released in 2007)
 - NJ Comparison with TIMSS (released in 2007)
-



Many NAEP Subjects

- Reading and Math
 - Every 2 years, grades 4, 8, and 12
 - State, national, and TUDA
 - Science and Writing
 - Every 4 years, grades 4 and/or 8, and/or 12
 - State, national and TUDA
 - National-Results only --No NJ Results
 - U.S. History (2006), Civics (2006, 2012), Economics (G 12 only, 2006)
 - Arts (G8 only, 2008), World History (2010) Geography (2010), Foreign Language (2012), etc.
-



NAEP
and
New Jersey
Assessments

Both High-Stakes: NAEP & NJ Tests

Because:

NJASK-HSPA tests have consequences (e.g., Adequate Yearly Progress) for

- students
- schools
- districts

Because:

NAEP results are used by policy makers to make educational funding and programmatic decisions

NAEP results influence legislation, e.g., the re-authorization of NCLB

NAEP - The Golf Club



Big Differences - NAEP vs NJ

NJASK-HSPA:

Satisfies NCLB requirements

Reports results for students, schools and districts

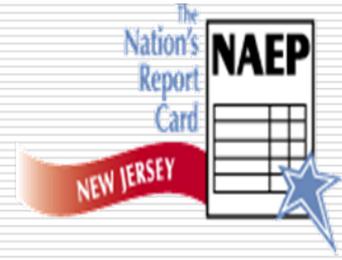
Proficient = measures grade-level achievement

NAEP

Satisfies the need to monitor student performance in an internationally competitive global society

Reports results for student **populations** only. Does not provide student, school or district results

Proficient = "aspirational," achievement beyond grade-level expectations -- world-class standards



What does Proficient means?

The definitions of "proficient" set by states and by NAEP have no observable agreement*

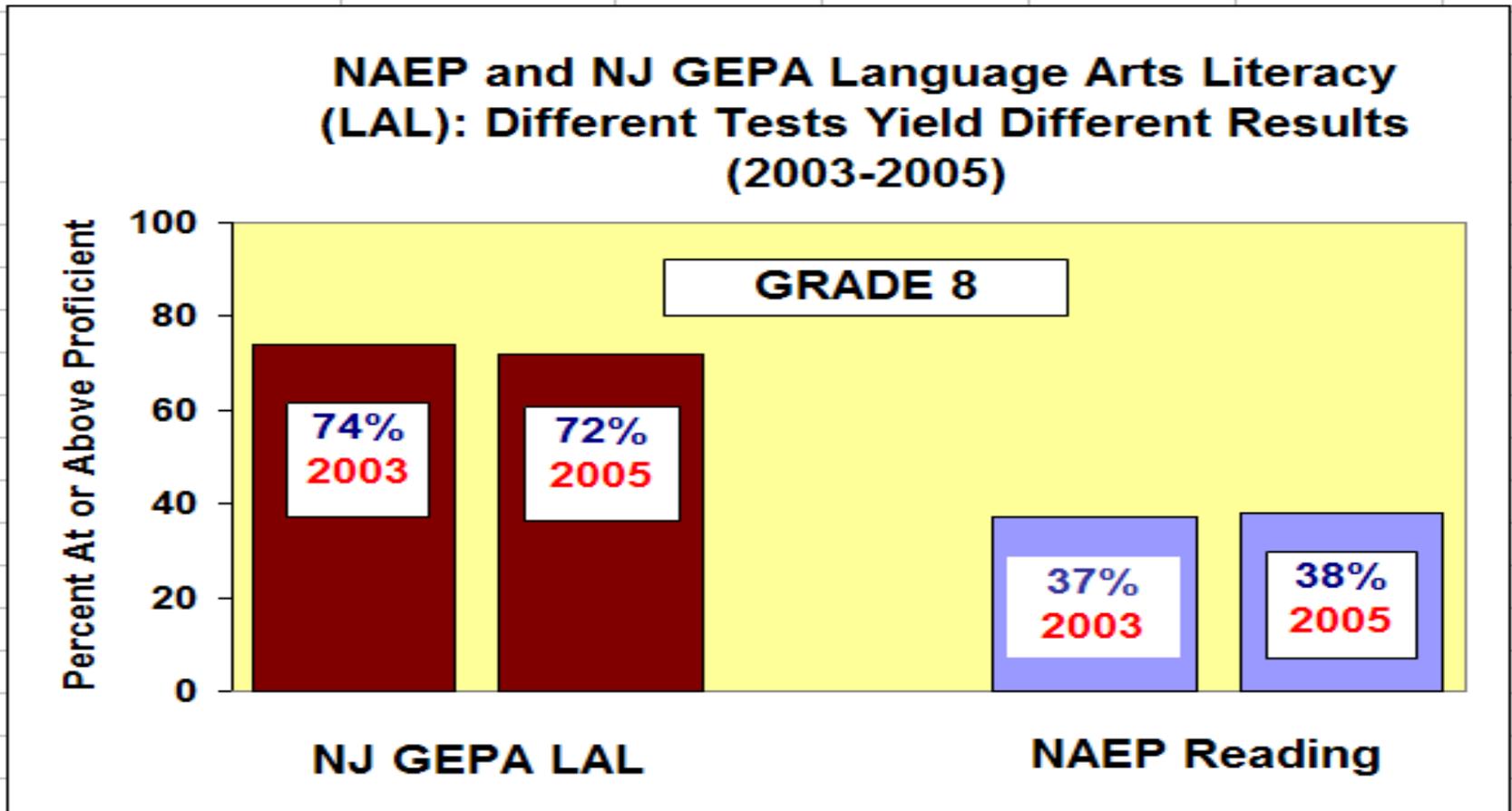
* Linn, Robert, *Large-Scale Assessment Conference*, San Antonio, TX, June 2005

NAEP: "Rosetta Stone"

- NAEP Basic and NJ Proficient are equivalent
- They both indicate grade-level performance

	<u>Below</u> Grade Level	Grade Level	<u>Above</u> Grade Level
NJ State Assessments	Partially Proficient	Proficient	Advanced
NAEP	Below Basic	Basic	Proficient/Advanced

Proficient: Definitional Differences





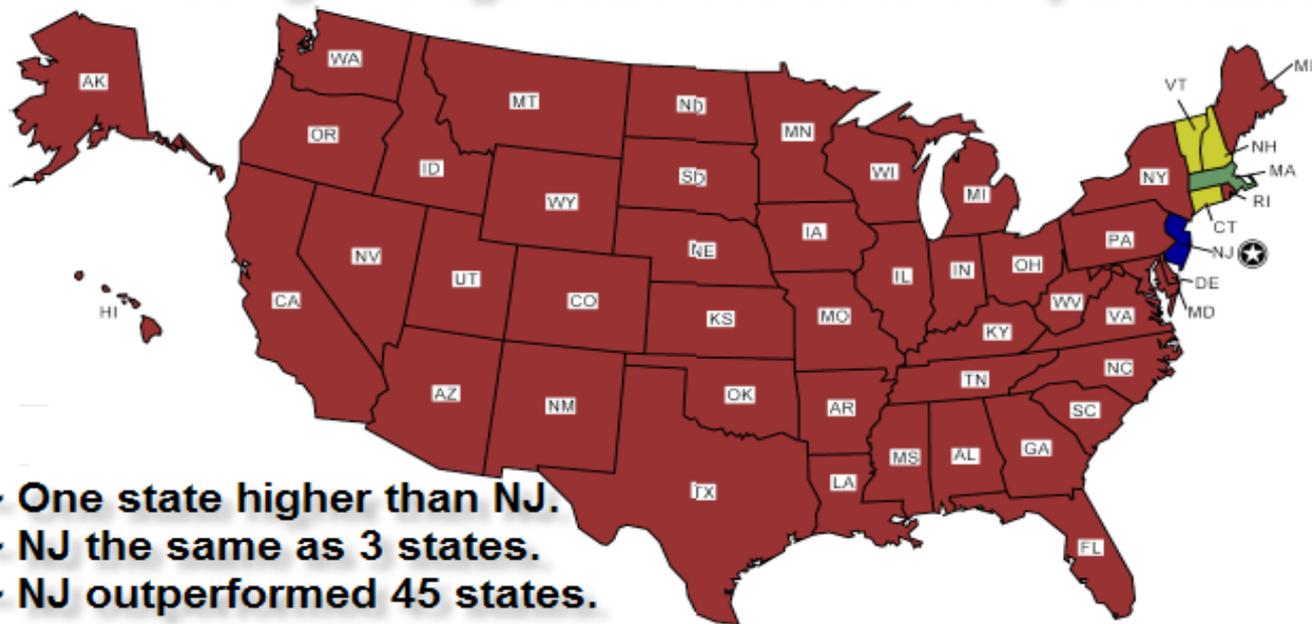
NAEP RESULTS



What state
consistently
scores highest
on NAEP?

Grade 4 Reading, 2007 (Scale Scores)

Using Average Scale Scores to Compare States



-  Focal state/jurisdiction (New Jersey)
-  Higher average scale score than New Jersey (1 jurisdiction)
-  Not significantly different from New Jersey (4 jurisdictions)
-  Lower average scale score than New Jersey (nation and 46 jurisdictions)



We Have
Reason
To Cheer!!

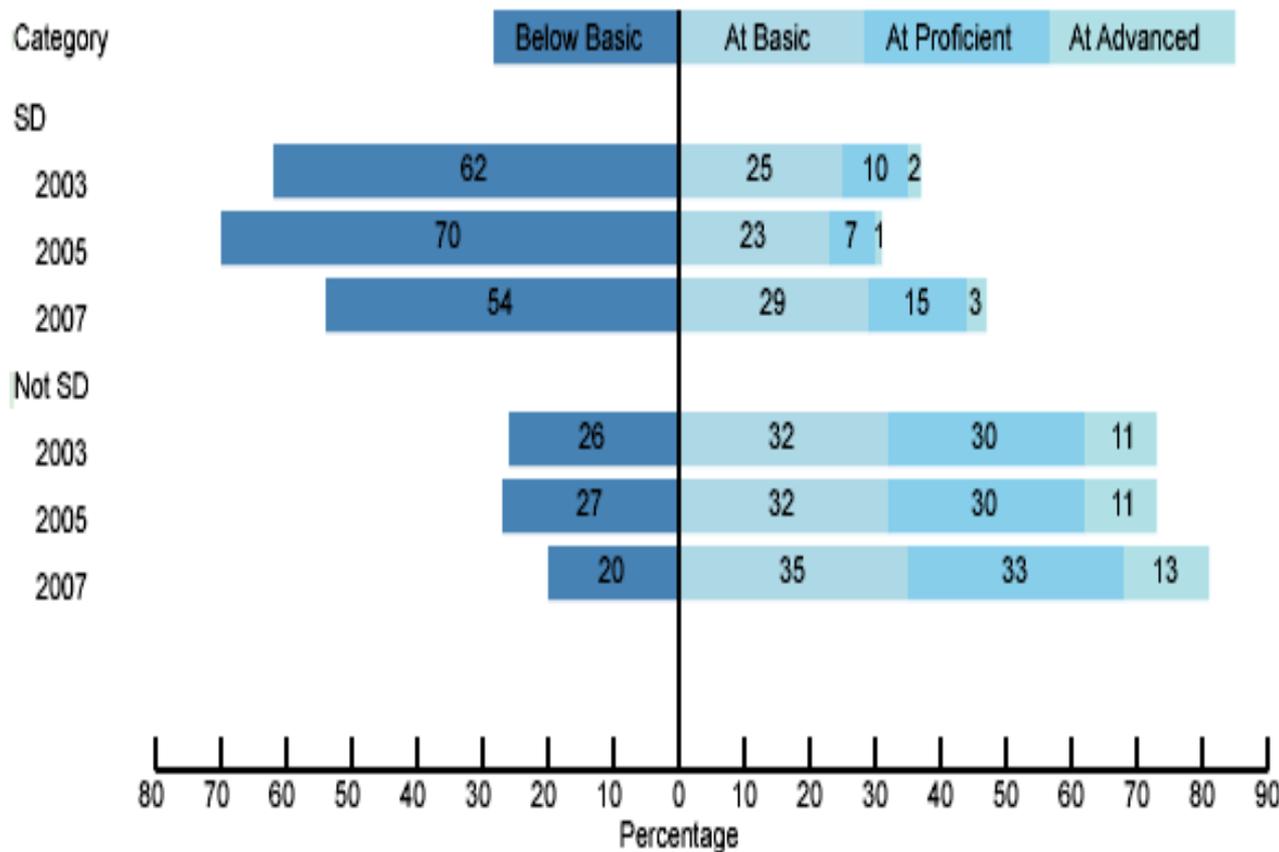
Reading 2007 Up for Key Subgroups, Grade 4 (Scale Scores)

GRADE 4 READING		New Jersey		
Average Scale Score	2007	2005	Change	
Overall	231	223	↑	
Males	228	221	↑	
Females	234	226	↑	
White	238	232	↑	
Black	212	199	↑	
Hispanic	214	206	↑	
Eligible for Free-Reduced Lunch	210	203	↑	
Not Eligible for Free-Reduced Lunch	238	232	↑	
Students with Disabilities	202	188	↑	
Students without Disabilities	233	228	↑	
English language learners	188	N/A		
Not English language learners	232	224	↑	

Grade 4, NJ Reading Gaps, 2005-2007

- The White/Black gap (26 pts) reduced by 7 scale score points
- The White/Hispanic gap (24 pts) reduced by 2 scale score points
- The male/female achievement gap (6 pts) was unchanged

SD: Reduction in "Below Basic," Reading Grade 4, 2005-2007

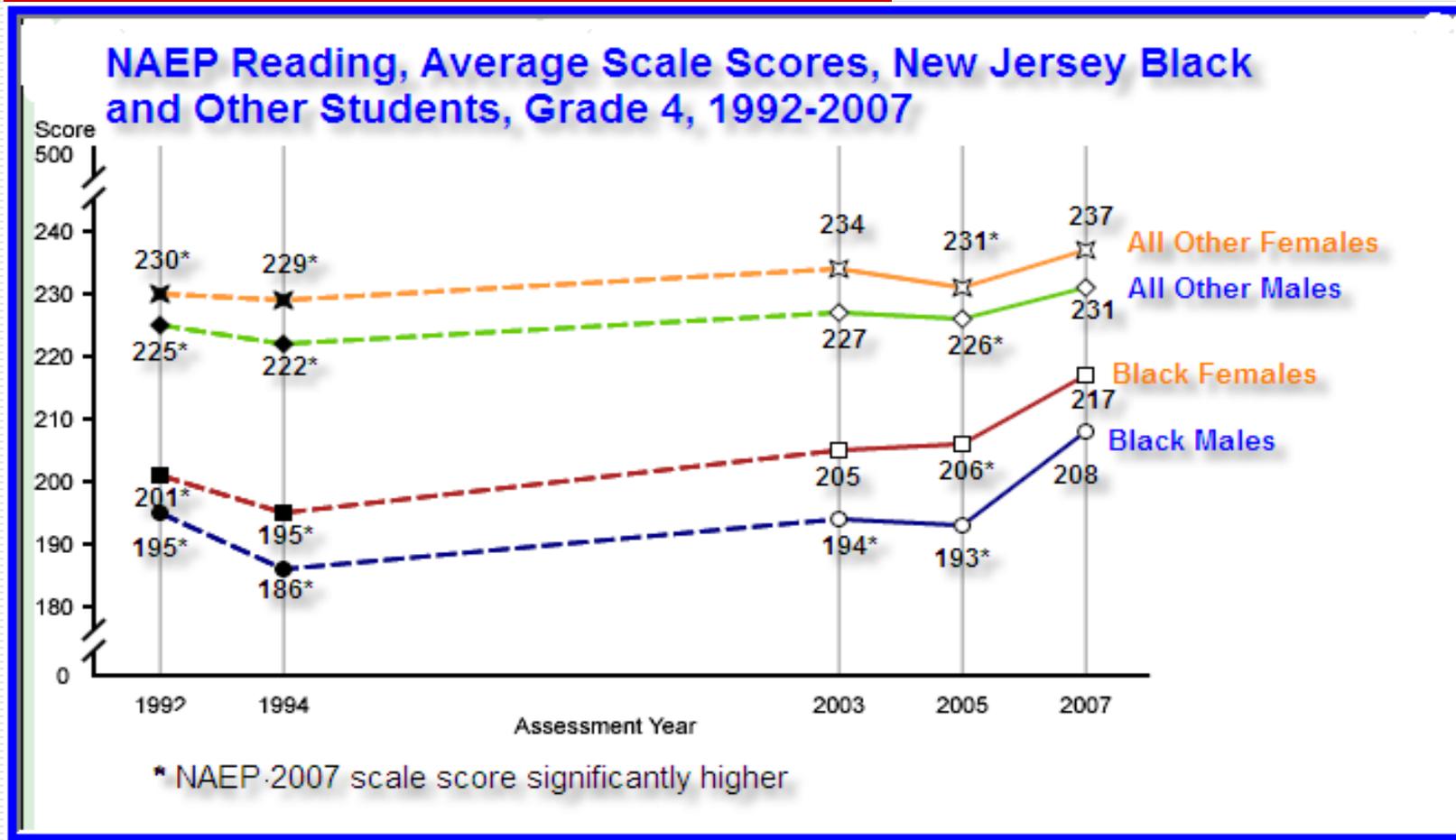


New Jersey:
Significantly greater "Basic" and "Proficient" levels in 2007 as compared with 2005.

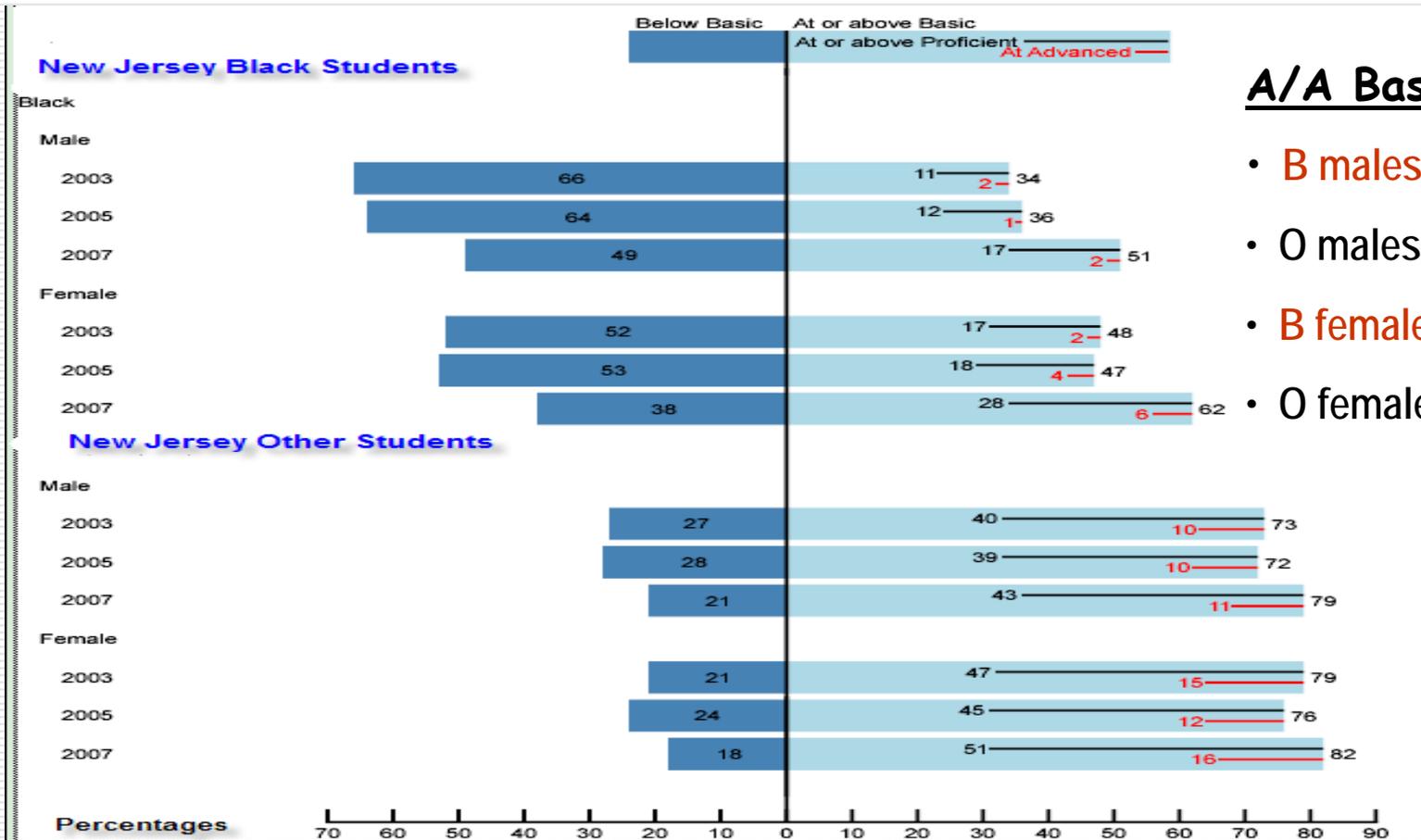
Why These Grade 4 Reading Gains?

- High Quality Preschool Education
 - Early Literacy Task Force begun in 2002
 - Reading Coaches and Professional Development for Teachers, K-3, through the
 - Abbott Intensive Early Literacy Program
 - Reading First Grant, and
 - Governor's Literacy Initiative
 - Collaboration between the Offices of Special Education and Literacy
 - New Jersey's Standards and Assessments
-

Grade 4 Reading: NJ Black/All Others, Male/Female, 1992-2007



Grade 4 Reading: NJ Black/All Others, Male/Female, 2003-2007

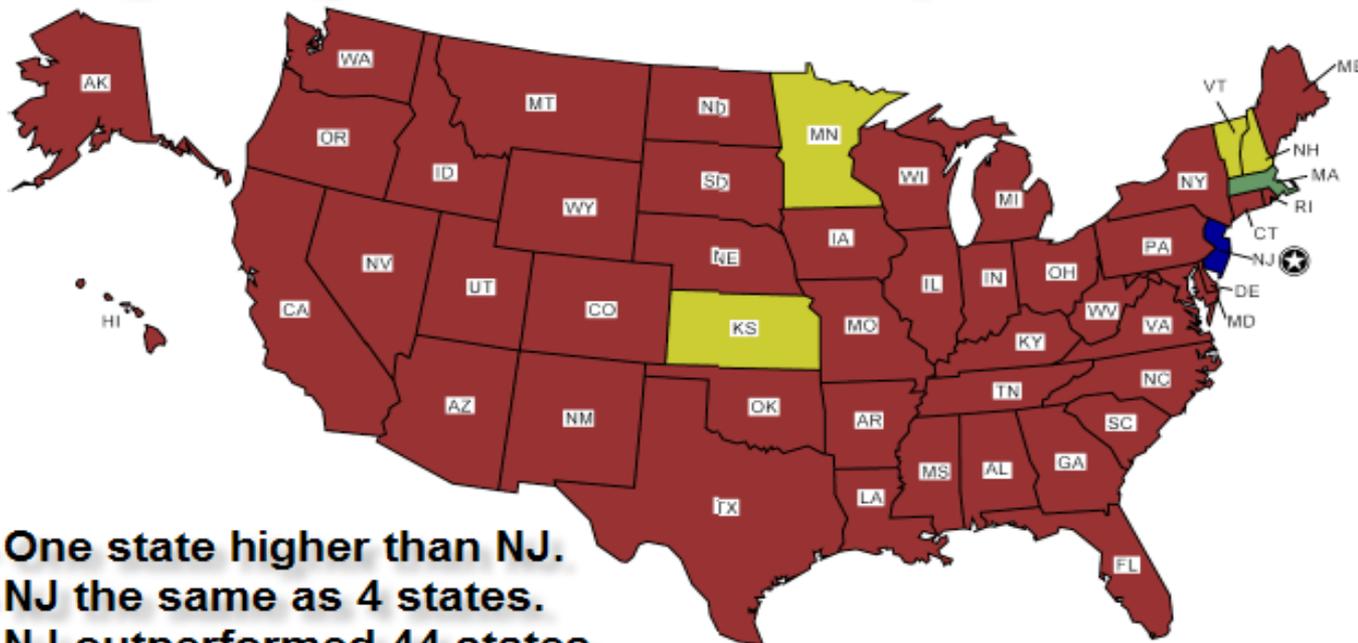


A/A Basic 2007

- B males = 51%
- O males = 79%
- B females = 62%
- O females = 82%

Grade 4 Mathematics, 2007 (Scale Scores)

Using Average Scale Scores to Compare States



-  Focal state/jurisdiction (New Jersey)
-  Higher average scale score than New Jersey (1 jurisdiction)
-  Not significantly different from New Jersey (4 jurisdictions)
-  Lower average scale score than New Jersey (nation and 46 jurisdictions)

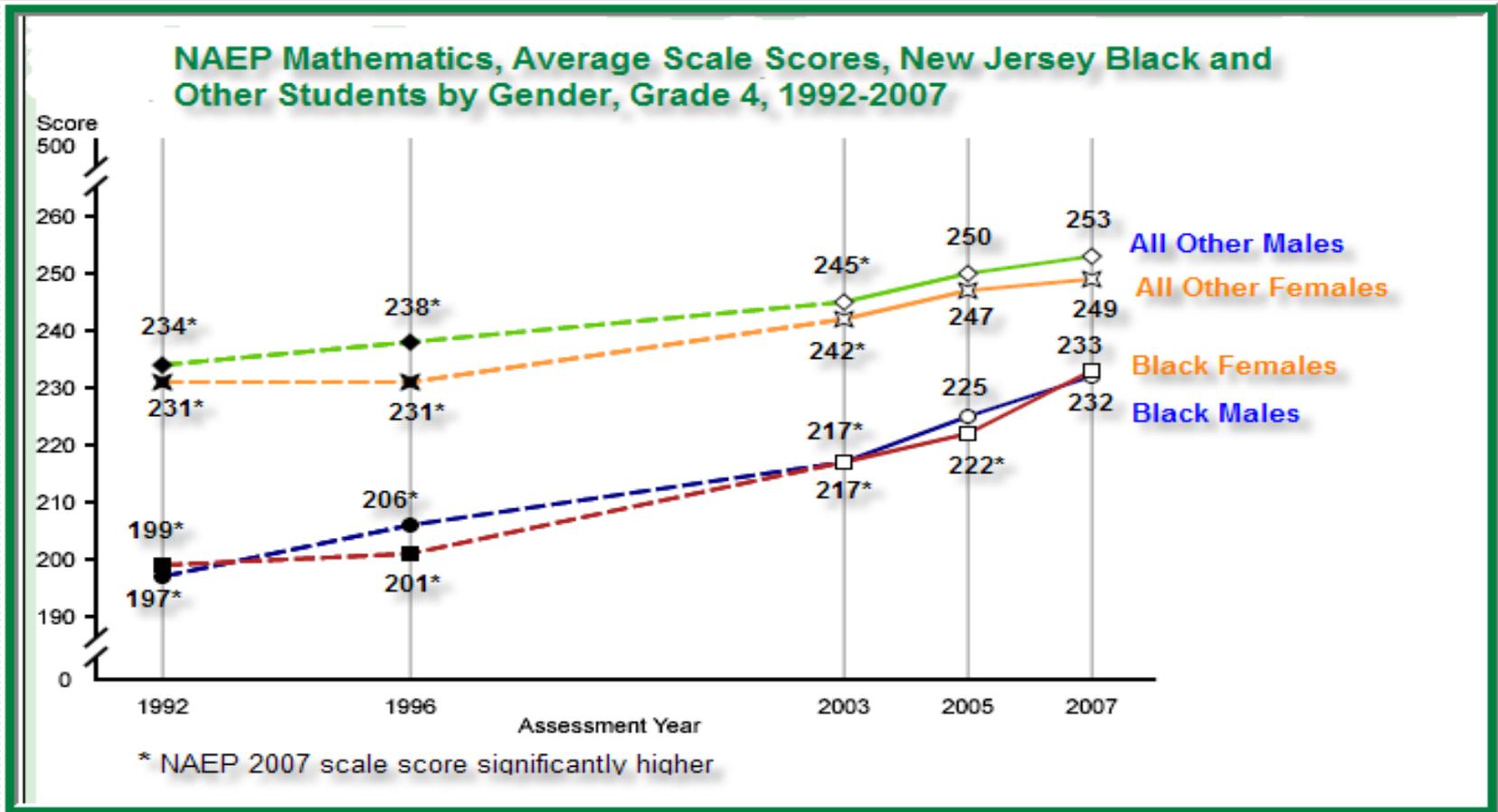
Math 2007, Up for Most Subgroups

GRADE 4 MATHEMATICS	New Jersey		
Average Scale Score	2007	2005	Change
Overall	249	244	↑
Males	250	246	↑
Females	247	242	↑
White	255	251	↑
Black	232	224	↑
Hispanic	234	230	↔
Eligible for Free-Reduced Lunch	233	227	↔
Not Eligible for Free-Reduced Lunch	255	252	↔
Students with Disabilities	229	218	↑
Students without Disabilities	251	248	↑
English Language Learner	218	222	↔
Not English Language Learner	250	245	↑

Grade 4, NJ Math Gaps, Since 1992

- The White/Black gap (23 pts) reduced by 15 scale score points over 15 years
- The White/Hispanic gap (21 pts) reduced by 11 scale score points over 15 years

Grade 4 Math: NJ Black/All Others, Male/Female, 1992-2007



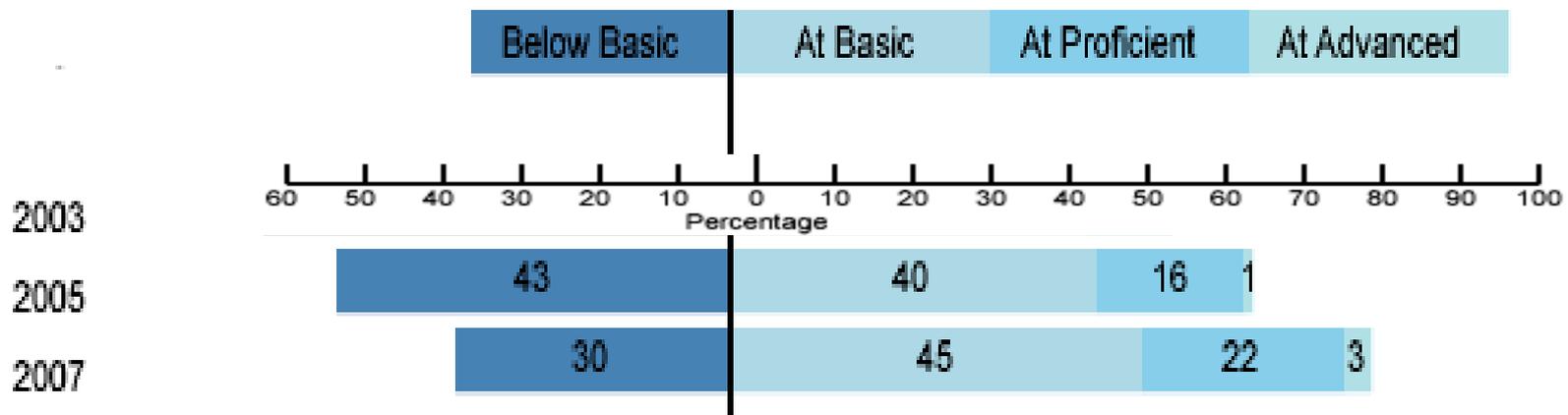
SD: Reduction in "Below Basic," Grade 4 Math, 2007



At or Above Basic

70% NJ SD students in 2007 were at grade-level

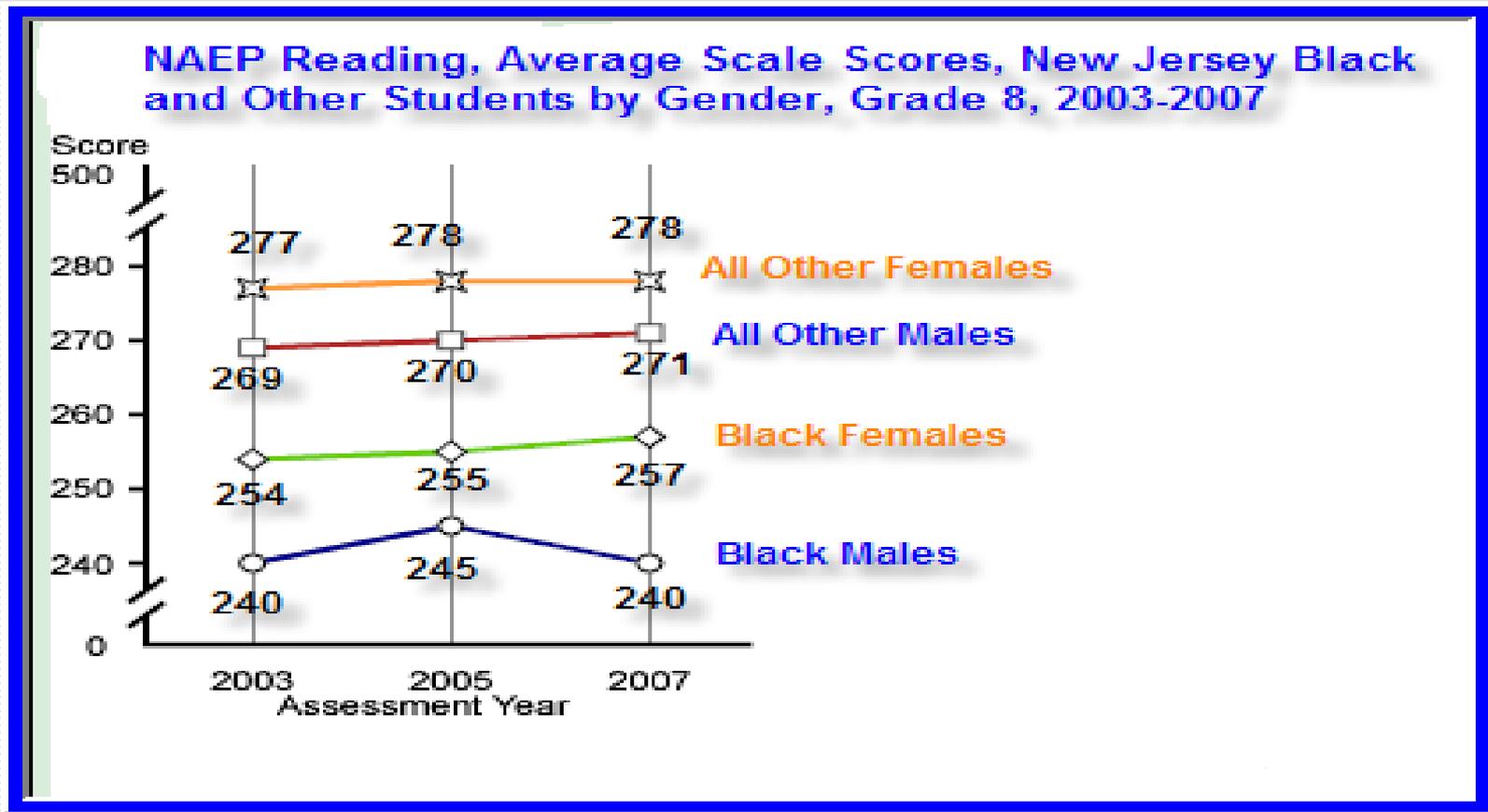
New Jersey Students with Disabilities, Math, Grade 4



Grade 8, New Jersey Reading, 2007

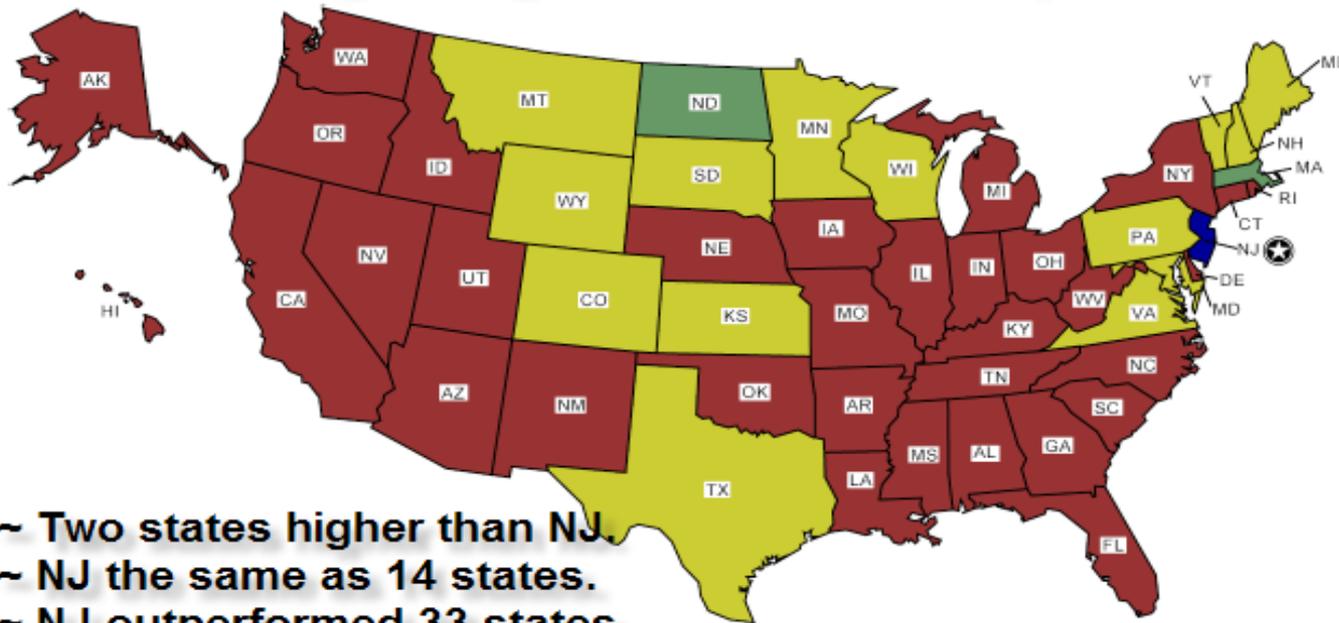
- Both New Jersey and US reading results were flat since 2003
- No change in the New Jersey racial/ethnic gaps since 2003

Grade 8 Reading: NJ Black/All Others, Male/Female, 2003-2007



Grade 8 Mathematics, 2007 (Scale Scores)

Using Average Scale Scores to Compare States



- ~ Two states higher than NJ.
- ~ NJ the same as 14 states.
- ~ NJ outperformed 33 states.

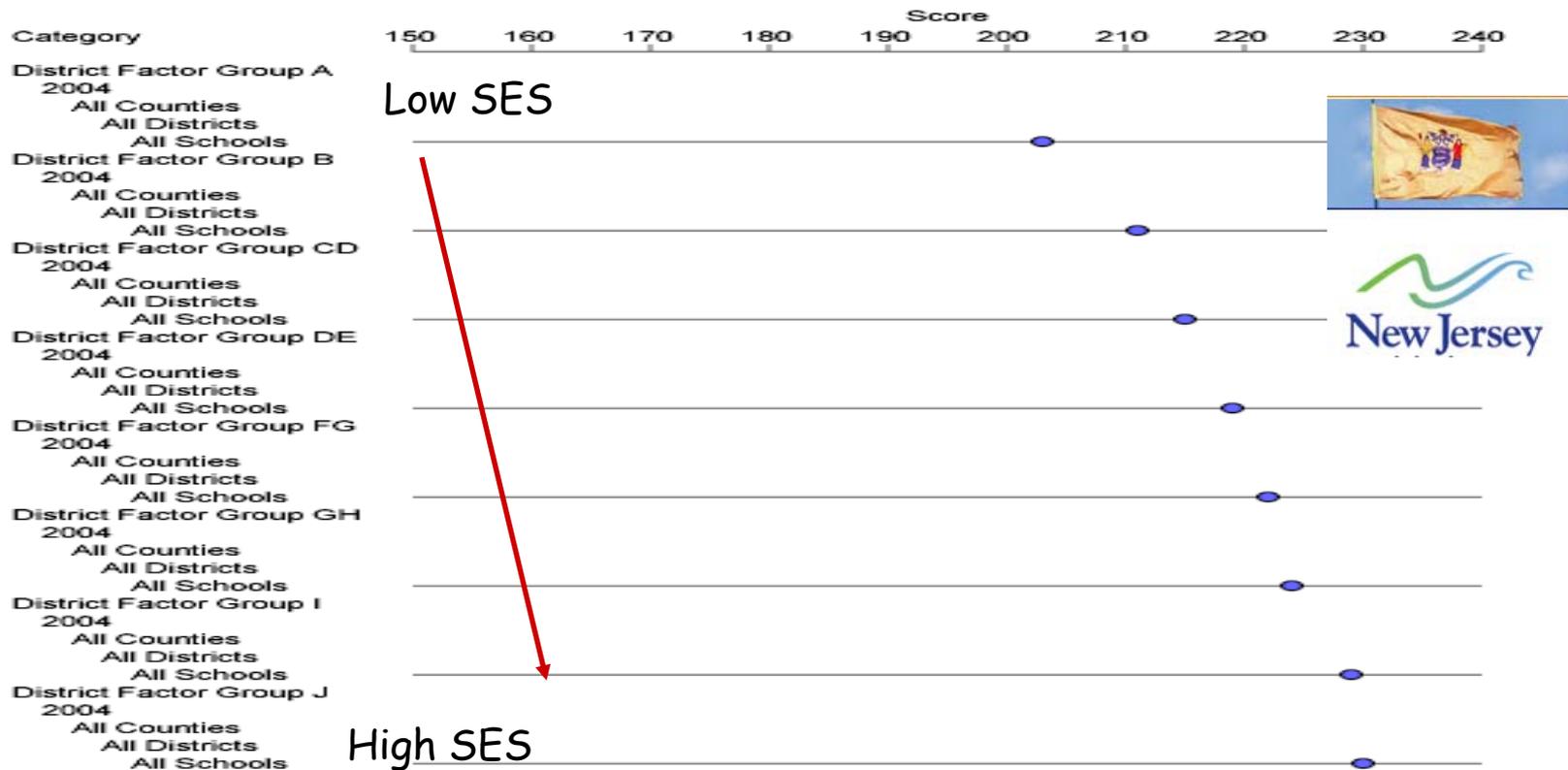
- Focal state/jurisdiction (New Jersey)
- Higher average scale score than New Jersey (2 jurisdictions)
- Not significantly different from New Jersey (14 jurisdictions)
- Lower average scale score than New Jersey (nation and 35 jurisdictions)

Grade 8, New Jersey Math, 2007

- New Jersey's scale scores (289) was the highest recorded for the state
- "Female" is the only major category to show improvement since 2005
- The White/Hispanic gap (27 pts) reduced by 10 scale score points over 17 years (since 1990)

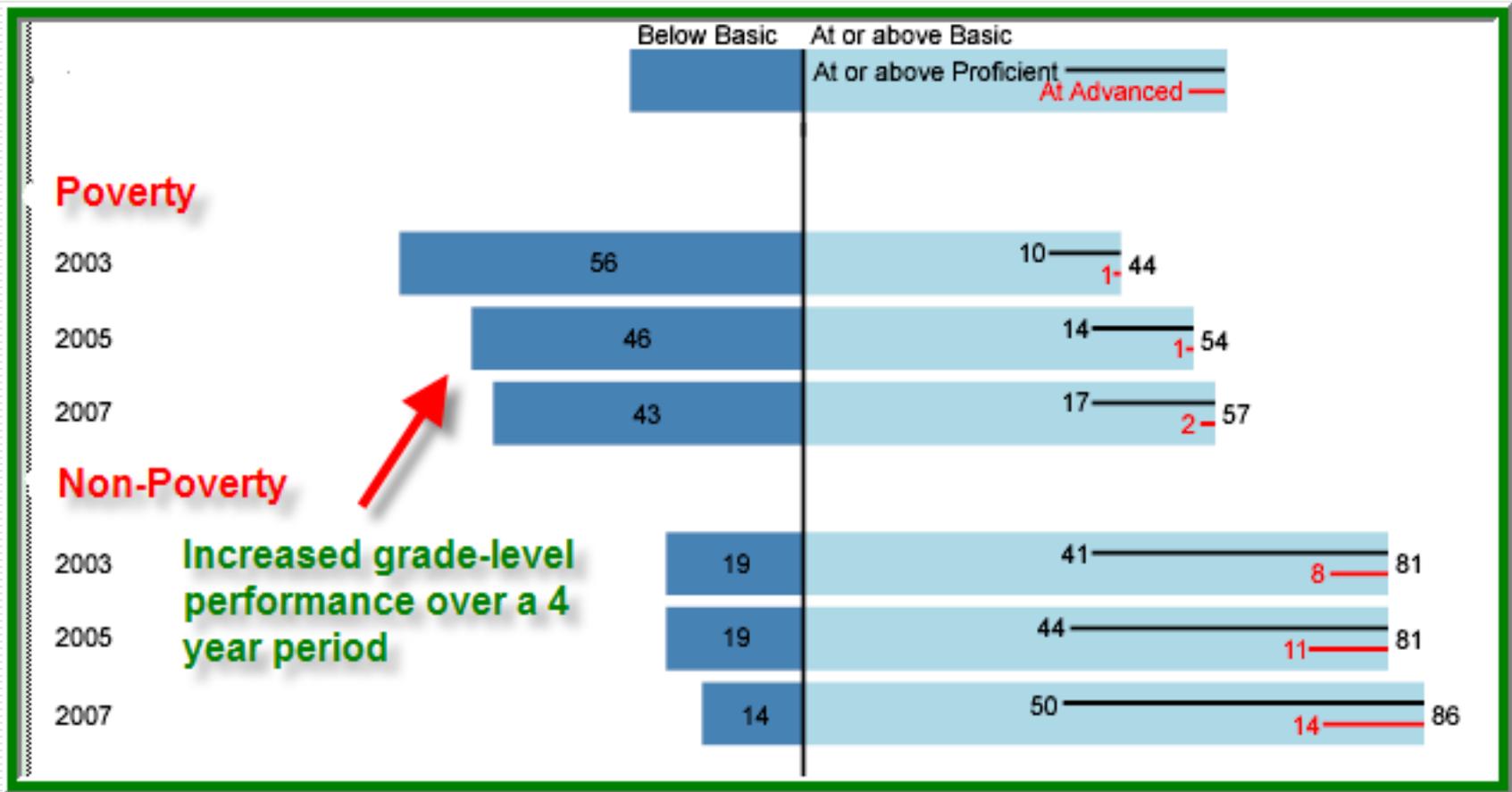
NJASK 4 & the District Factor Groups

NJASK Grade 4 LA 2004
Scale Score
District Factor Group



SOURCE: N.J Department of Education, NJASK, 2004 LA Assessments

Grade 8, Math, NJ Poverty (NSLP)



Summary: NAEP 2007, Grades 4-8

- New Jersey 4th grade students made significant progress especially in reading and also in mathematics since 2005
- New Jersey's 8th grade students improved in mathematics from 2005 to 2007, but were unchanged in reading

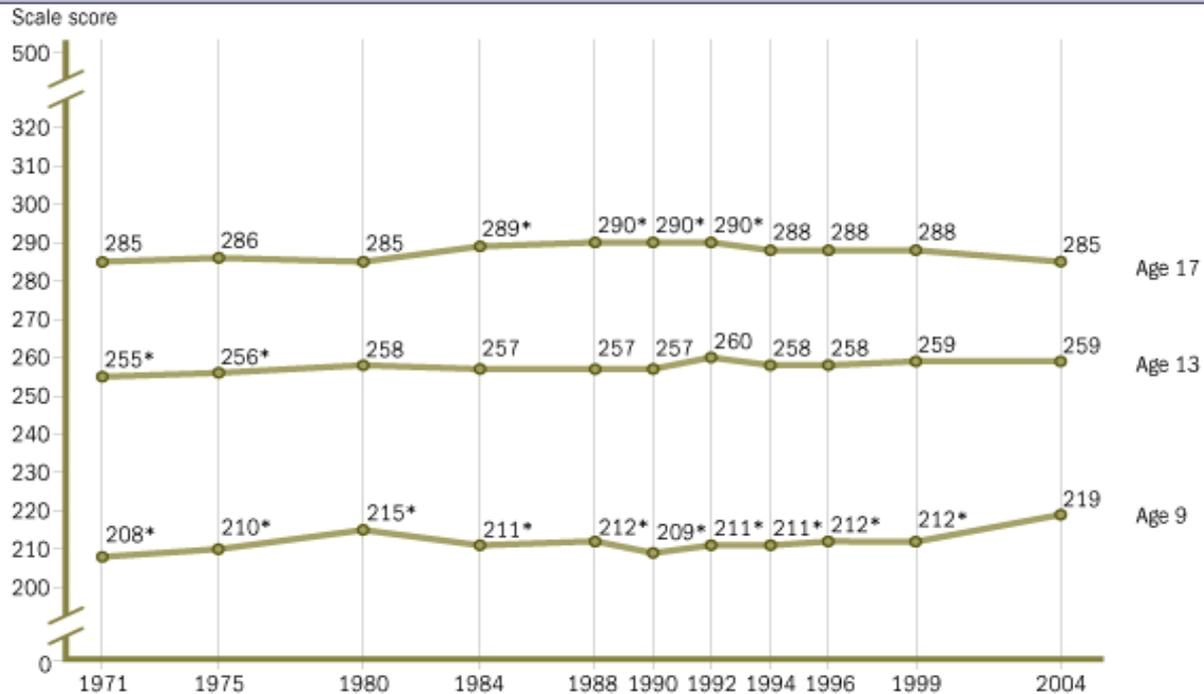
NAEP Grade 12



Does tougher
curricula and
higher GPA
result in
higher NAEP
scores?

Are the Nation's Reading Scores Improving? (Long-term Trend) (2004)

Trends in average reading scale scores for students ages 9, 13, and 17: 1971–2004 



View data with standard errors for [age 9](#), [age 13](#), and [age 17](#).

* Significantly different from 2004.

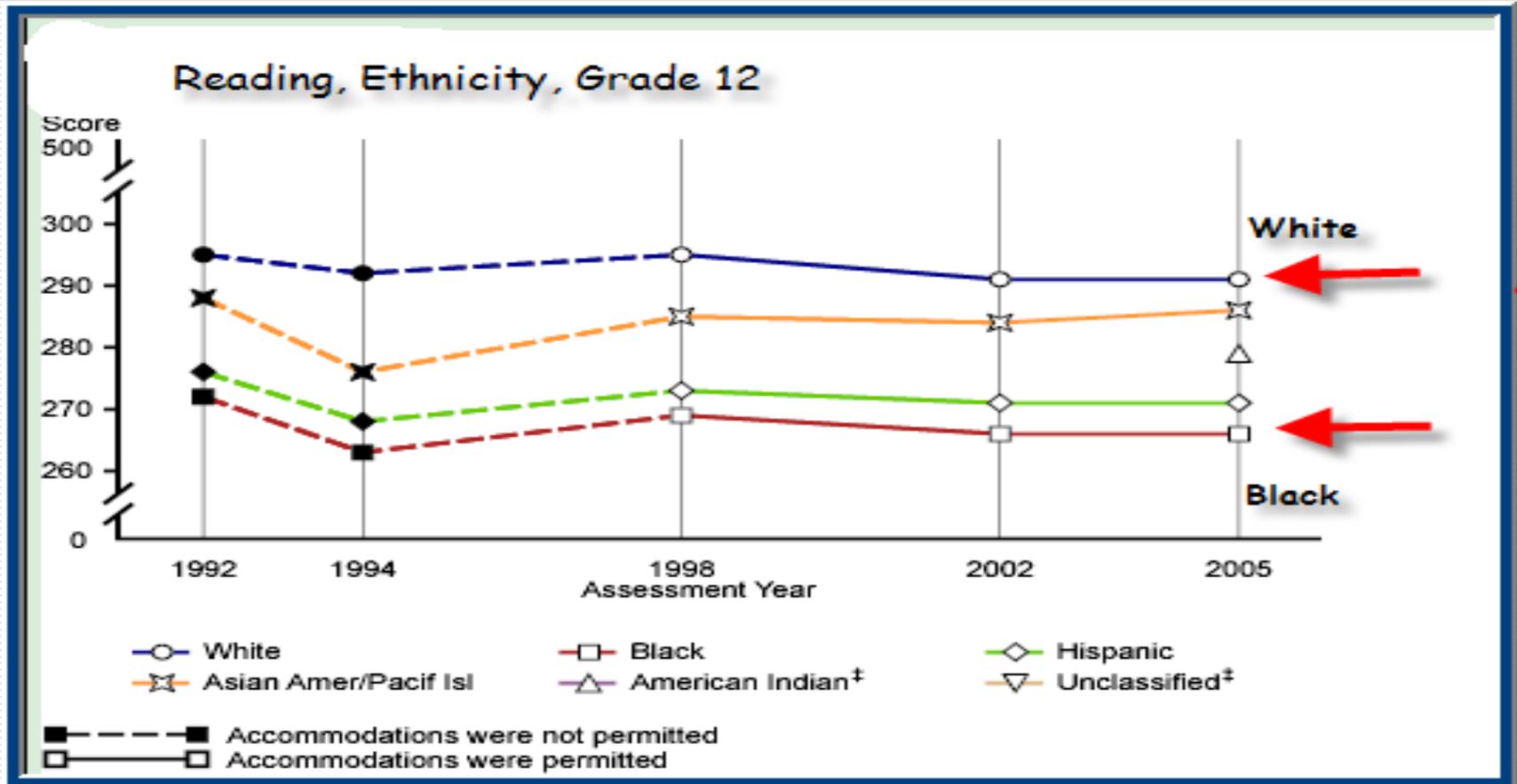
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), selected years, 1971–2004 Long-Term Trend Reading Assessments.

Key Findings:

9-yr olds: The 2004 score is higher than previous years

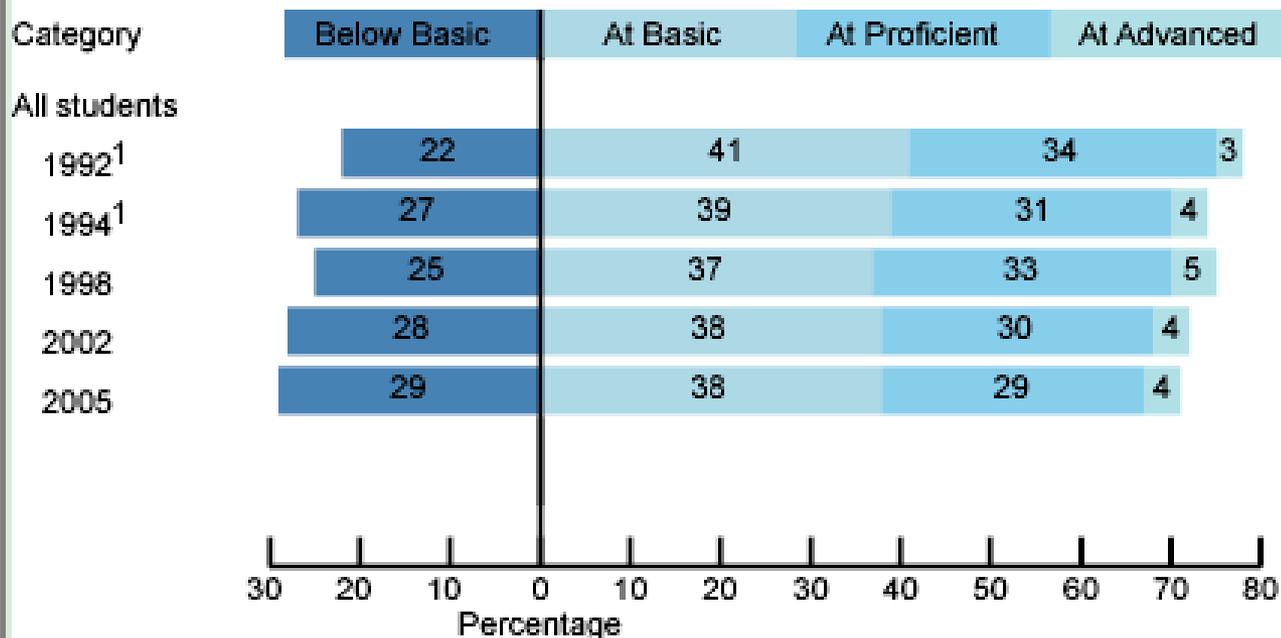
13-yr olds: The scale score in 2004 is **higher than** in 1971 and in 1975, no different for subsequent years.

Reading: Scores for Whites & Blacks Lower in 2005 than in 1992, Grade 12



Grade 12 Reading: Achievement Levels Lower in 2005 than in 1992

Achievement levels, National Public, Grade 12



¹ Accommodations were not permitted for this assessment.



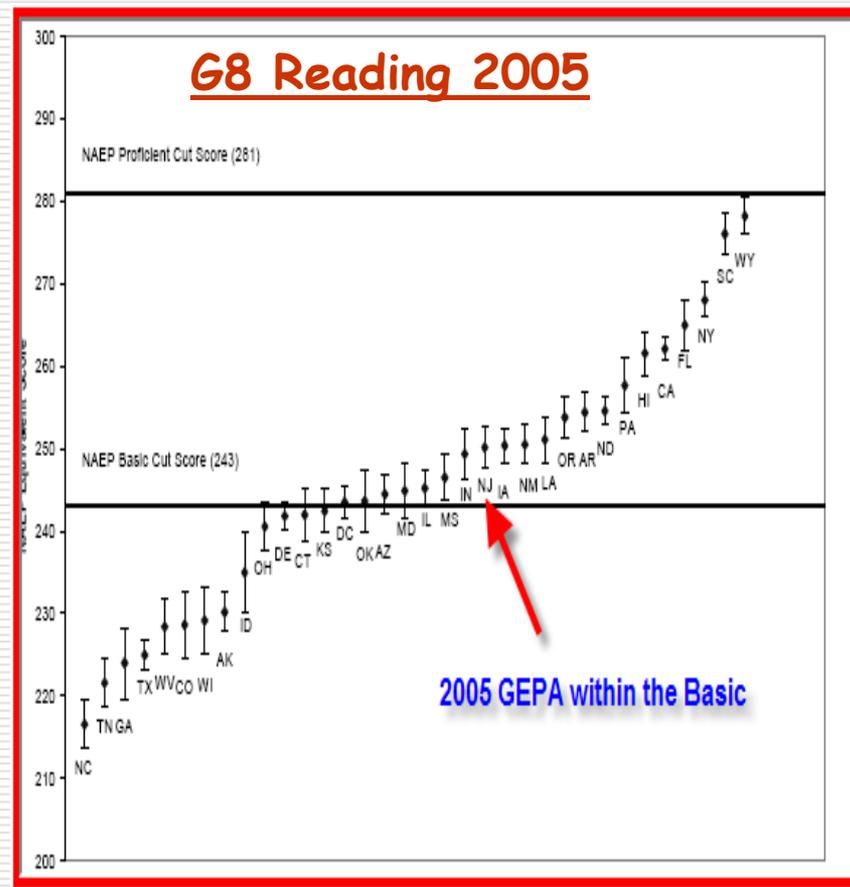
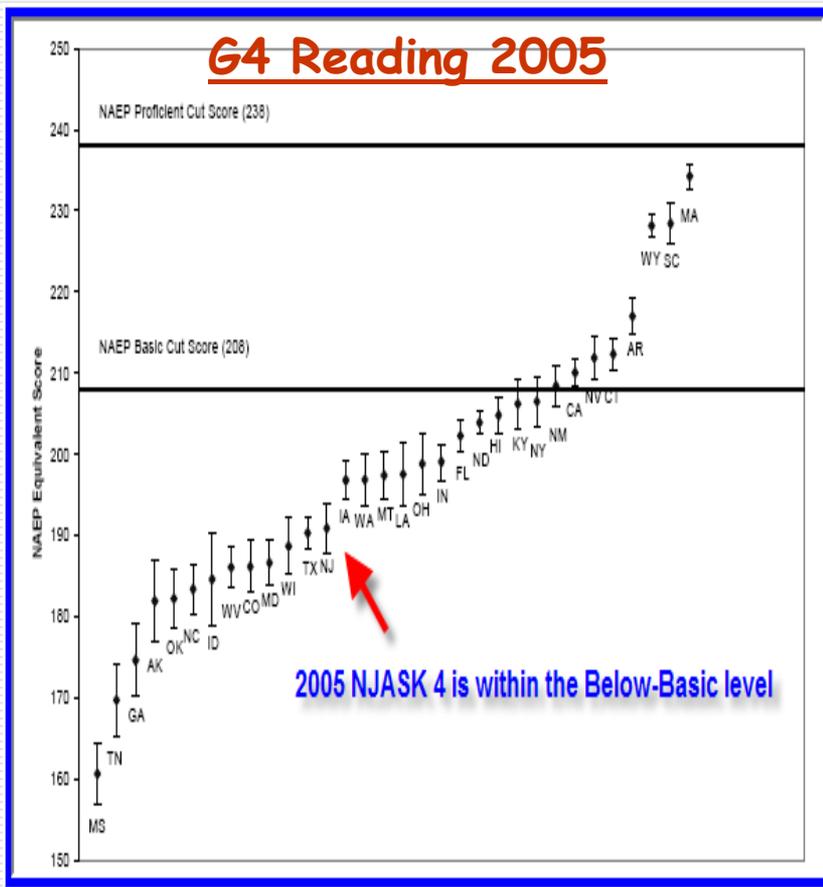
"NAEP Score
Equivalents"
Used as a Common
Metric

NAEP Used as A Common Metric

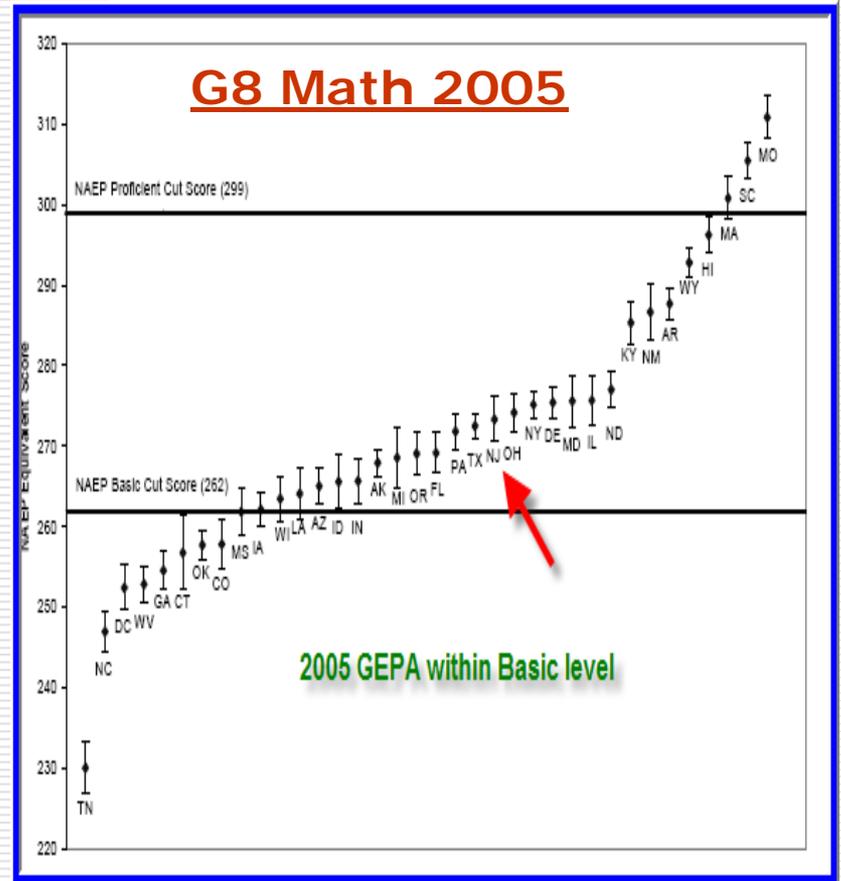
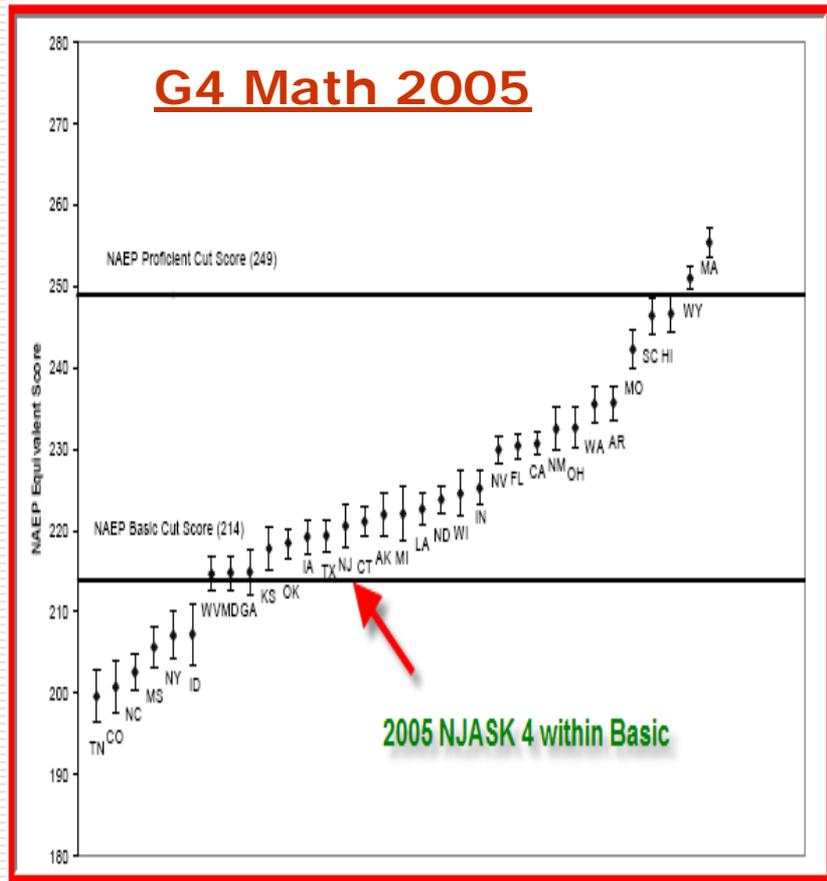
In "NAEP Mapping Studies," NAEP *score equivalents* are used to:

- Compare the rigor of state assessments across jurisdictions
- Show how New Jersey 8th grade students perform in science and math compared to students in other nations (2003 *Trends in International Mathematics and Science Study* [TIMSS])

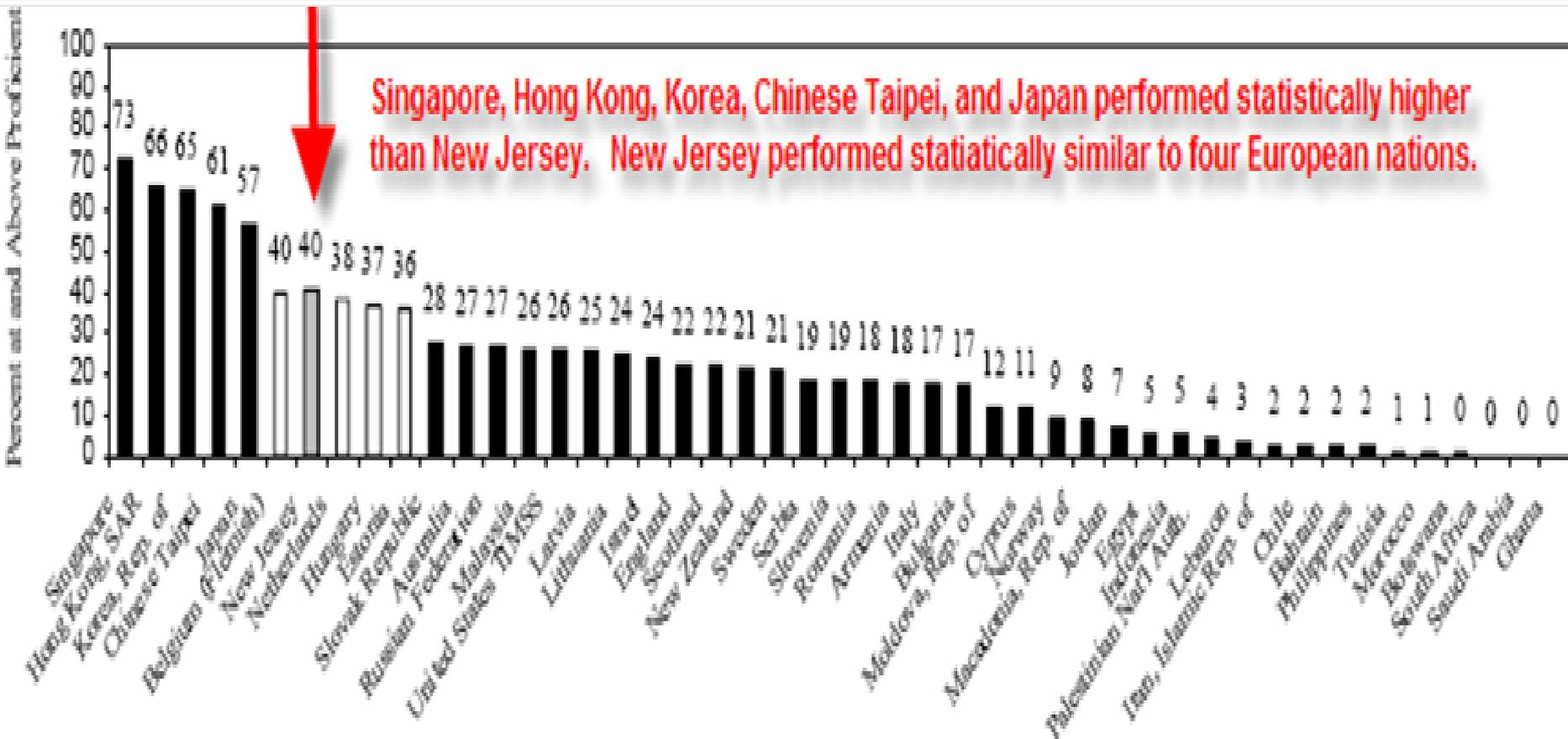
How Rigorous are NJ's LAL tests?



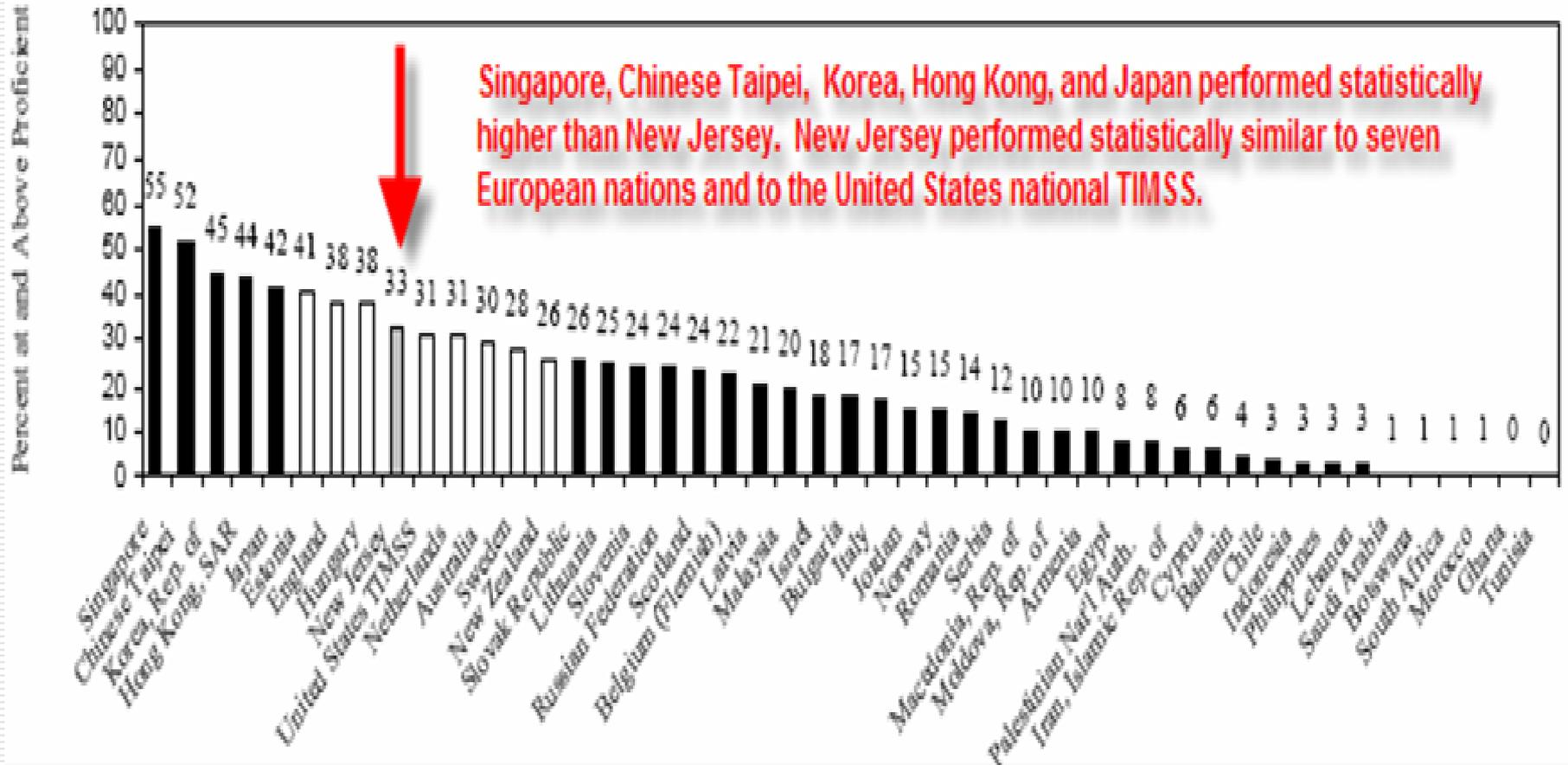
How Rigorous are NJ's Math tests?



G8 Math, NJ NAEP 2007, & TIMSS



G8 Science, NJ NAEP 2007, & TIMSS





Do you Have
Any Questions?

CONTACT INFORMATION



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