



The Education Trust—Midwest



Stalled to Soaring: Michigan's Path to Educational Recovery

Equity Within the Classroom Conference Presentation

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Agenda

- Background on ETM
- Trends in student achievement nationwide
- A closer look at Michigan's declining student performance
- Lessons learned from leading education states: Tennessee and Massachusetts
- Michigan's path to educational recovery

Our Mission

- The Education Trust-Midwest works for the high academic **achievement of all Michigan students**, pre-kindergarten through college.
- Our goal is to **close the gaps** in opportunity and achievement for all children, particularly those from **low-income** families or who are **African American, Latino or American Indian**.

About the Education Trust-Midwest

- The Education Trust-Midwest is **nonpartisan, independent, data-driven and research-based.**
- ETM is a statewide education **policy, practice and advocacy organization.**
- ETM was a leading organization in the 2011 tenure reforms and has researched educator evaluation throughout the state and country for more than two years.

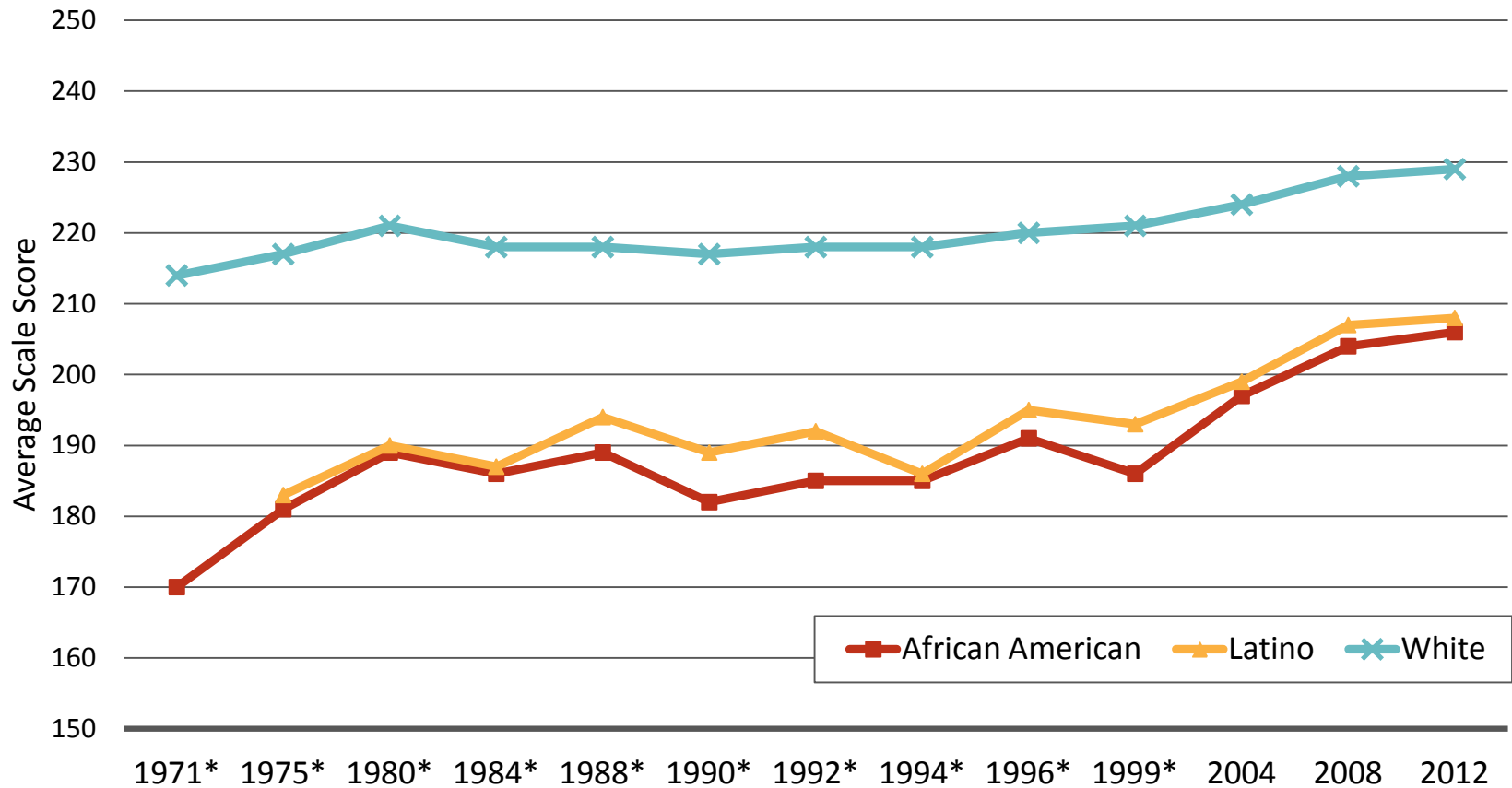
The Good News: Narrowing Gaps and Soaring Achievement

Achievement Improving Nationwide

- Highlights from the 2012 NAEP Long-Term Trend Assessment:
 - Achievement of African-American and Latino students at all ages has risen significantly in reading since the 1970s
 - Although the gaps between African-American and Latino students and their white counterparts remain large, they have narrowed by as much as 50 percent
 - In reading, the black-white achievement gap is the smallest it has ever been for 9-year-olds
 - Among 17-year-olds, the black-white and Latino-white gaps in reading have narrowed by about half

Large Gains for All Groups of Students, Especially Students of Color Nationwide

9 Year Olds – NAEP Reading

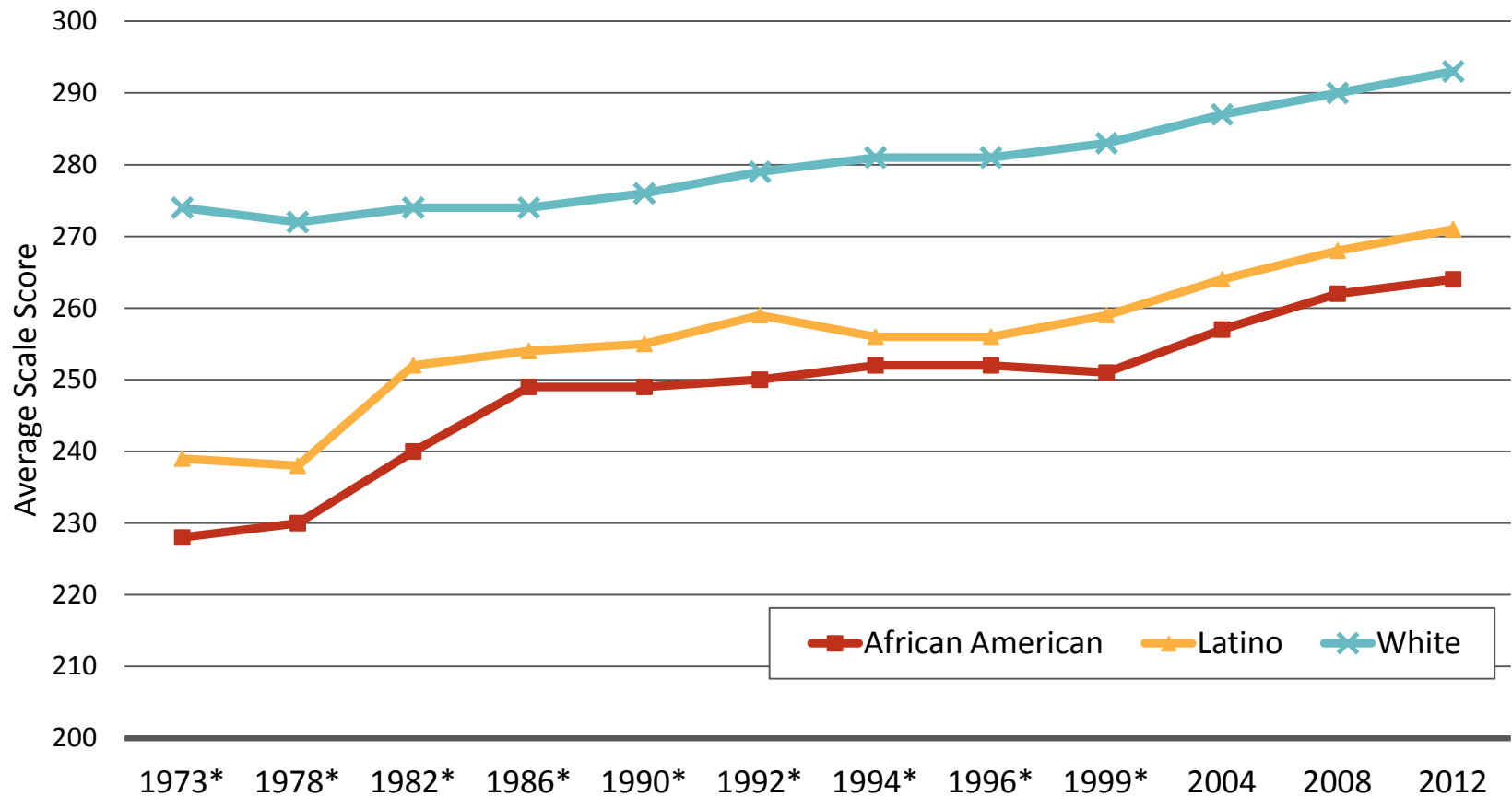


*Denotes previous assessment format

Source: National Center for Education Statistics, "The Nation's Report Card: Trends in Academic Progress 2012"

Performance for All Groups Has Risen Dramatically Nationwide

13 Year Olds – NAEP Math



*Denotes previous assessment format

Source: National Center for Education Statistics, "The Nation's Report Card: Trends in Academic Progress 2012"

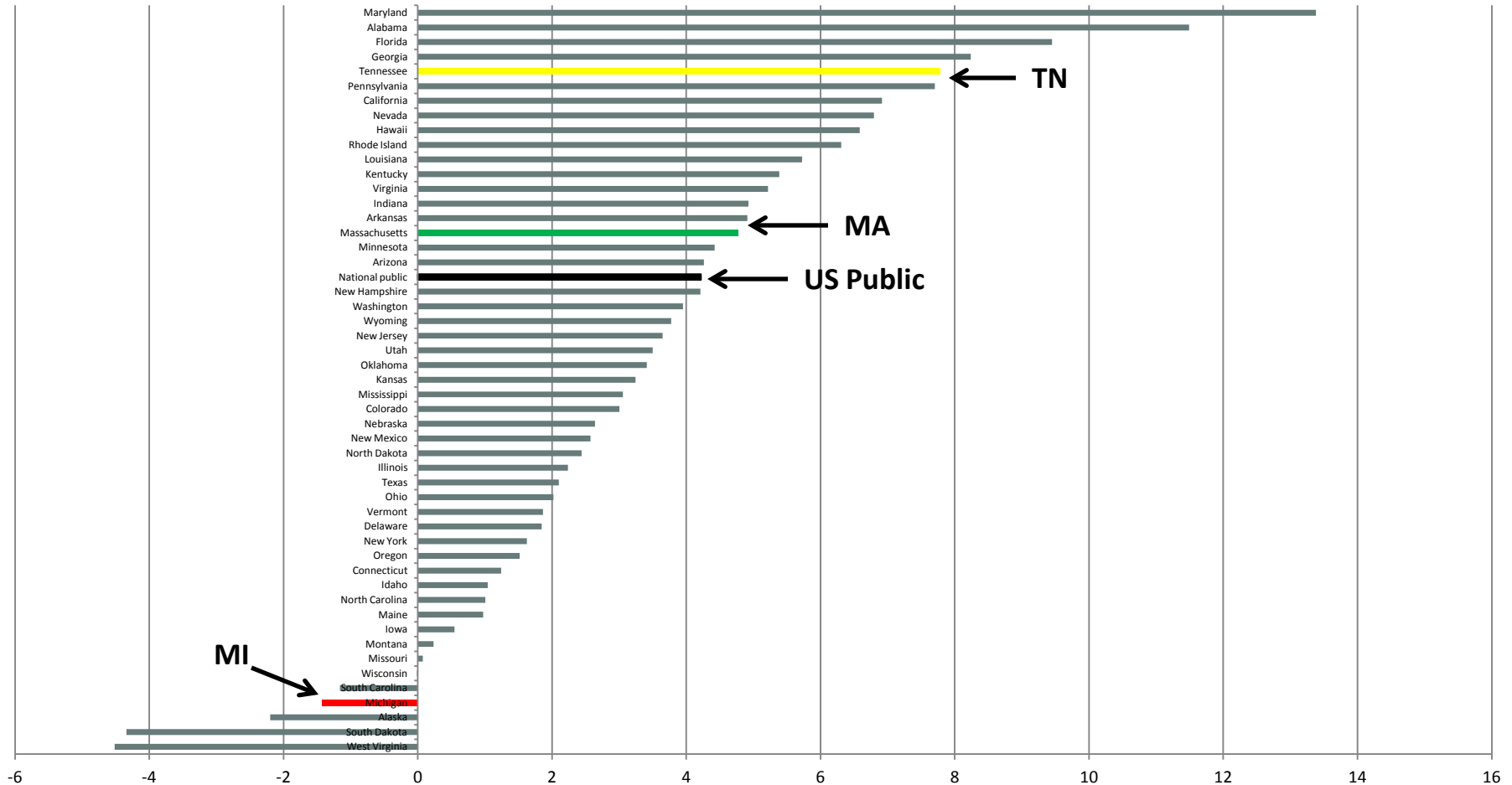
The Bad News: Michigan's Students Lag Terribly Behind Nation

Michigan's Education Recession

- *Statewide Achievement*
 - In fourth-grade, Michigan ranks in the bottom 5 states for improvement in both math and reading over the last decade
- *African-American & Latino Achievement*
 - African-American fourth-graders rank last in math in 2013.
 - Ten years ago, Michigan's Latino students ranked in or near the top half of the country in fourth- and eighth-grade math and reading. In 2013, their rank *fell* in all four subjects, and now rank near the bottom in fourth- and eighth- grade math.

Ten Year Growth in Reading Scores by State

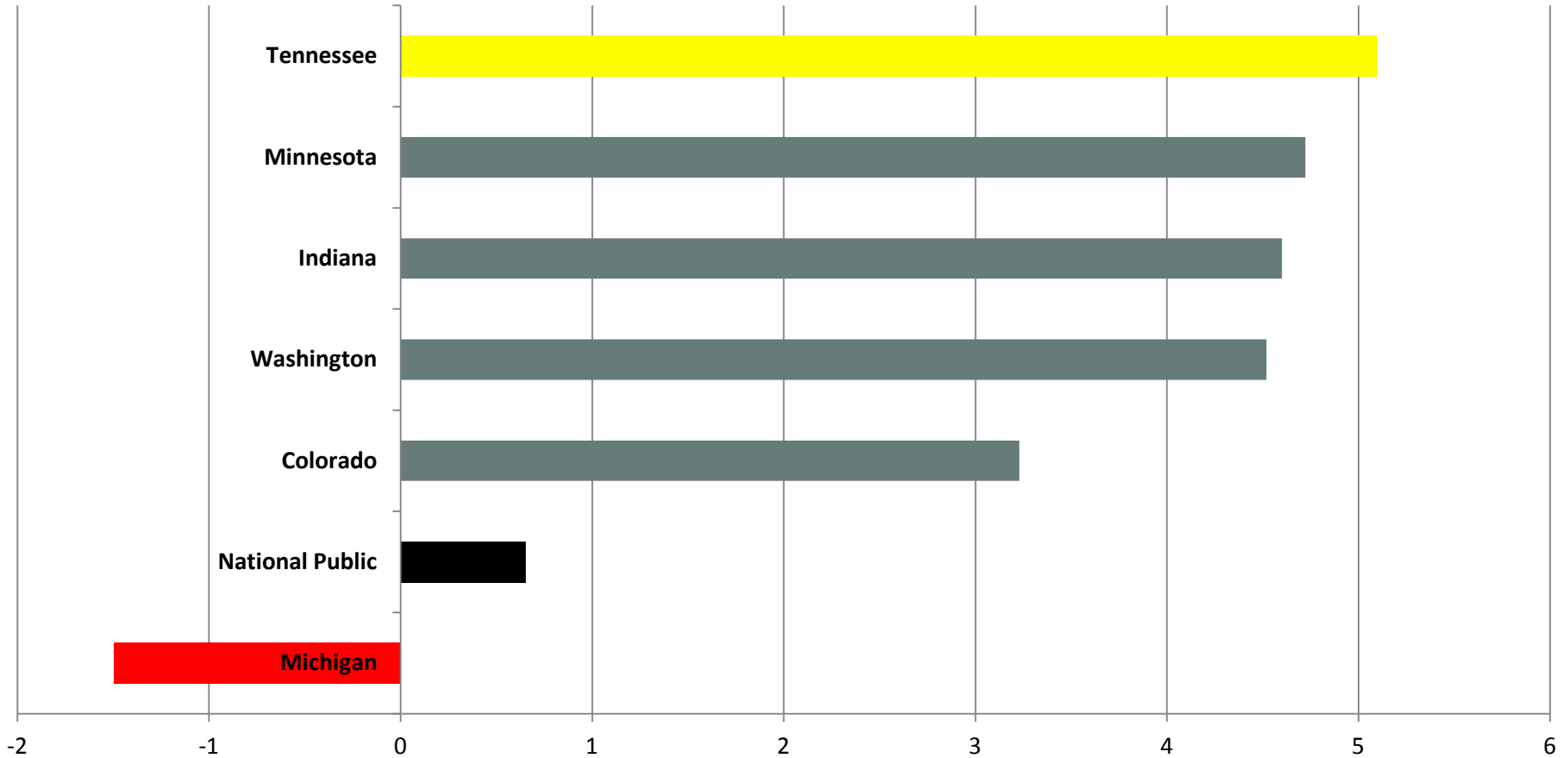
Average Scale Score Change, NAEP Grade 4 - Reading - All Students (2003-13)



Note: Basic Scale Score = 208; Proficient Scale Score = 238
Source: NAEP Data Explorer, NCES

MI Losing Ground on 4th Grade Reading

Average Scale Score Change, NAEP Grade 4 - Reading - All Students (2011-13)



Note: Basic Scale Score = 208; Proficient Scale Score = 238

Source: NAEP Data Explorer, NCES

Michigan NAEP Performance

Relative Rank of All Students 2003-2013

	2003	2005	2007	2009	2011	2013
4 th Grade Reading	28 th	30 th	30 th	34 th	35 th	38 th
4 th Grade Math	27 th	32 nd	32 nd	38 th	41 st	42 nd
8 th Grade Reading	27 th	29 th	32 nd	32 nd	28 th	32 nd
8 th Grade Math	34 th	33 rd	36 th	36 th	36 th	37 th

Note: Rankings are among all 50 states

Source: NCES, NAEP Data Explorer

Michigan NAEP Performance

Relative Rank of African-American Students 2003-2013

	2003	2005	2007	2009	2011	2013
4 th Grade Reading	38 th	39 th	36 th	44 th	45 th	42 nd
4 th Grade Math	37 th	40 th	40 th	43 rd	44 th	44 th
8 th Grade Reading	29 th	33 rd	38 th	37 th	34 th	33 rd
8 th Grade Math	35 th	32 nd	39 th	42 nd	42 nd	41 st

Note: Rankings are among the states that reported data for African-American students.

Source: NCES, NAEP Data Explorer

Michigan NAEP Performance

Relative Rank of Latino Students 2003-2013

	2003	2005	2007	2009	2011	2013
4 th Grade Reading	22 nd	15 th	13 th	25 th	26 th	24 th
4 th Grade Math	16 th	25 th	20 th	31 st	32 nd	40 th
8 th Grade Reading	5 th	13 th	38 th	13 th	4 th	21 st
8 th Grade Math	4 th	12 th	35 th	19 th	13 th	43 rd

Note: Rankings are among the states that reported data for Latino students.

Source: NCES, NAEP Data Explorer

Michigan's Education Recession

- *Higher-Income Student Achievement*
 - Ten years ago, Michigan's higher-income students ranked above the national public average in fourth-grade reading and math and eighth-grade reading.
 - Today they rank 38th in fourth-grade reading, 32nd in fourth-grade math, and 31st in eighth-grade reading.
- *Urban Student Achievement*
 - When Detroit Public Schools students first took this test back in 2009, national experts said that no district had scored lower in the test's history
 - Only 7 percent of the city's fourth-graders were reading on grade level in 2013

Michigan NAEP Performance

Relative Rank of Higher Income Students 2003-2013

	2003	2005	2007	2009	2011	2013
4 th Grade Reading	24 th	35 th	36 th	36 th	35 th	38 th
4 th Grade Math	20 th	29 th	35 th	35 th	43 rd	32 nd
8 th Grade Reading	21 st	37 th	36 th	31 st	30 th	31 st
8 th Grade Math	34 th	35 th	38 th	39 th	40 th	39 th

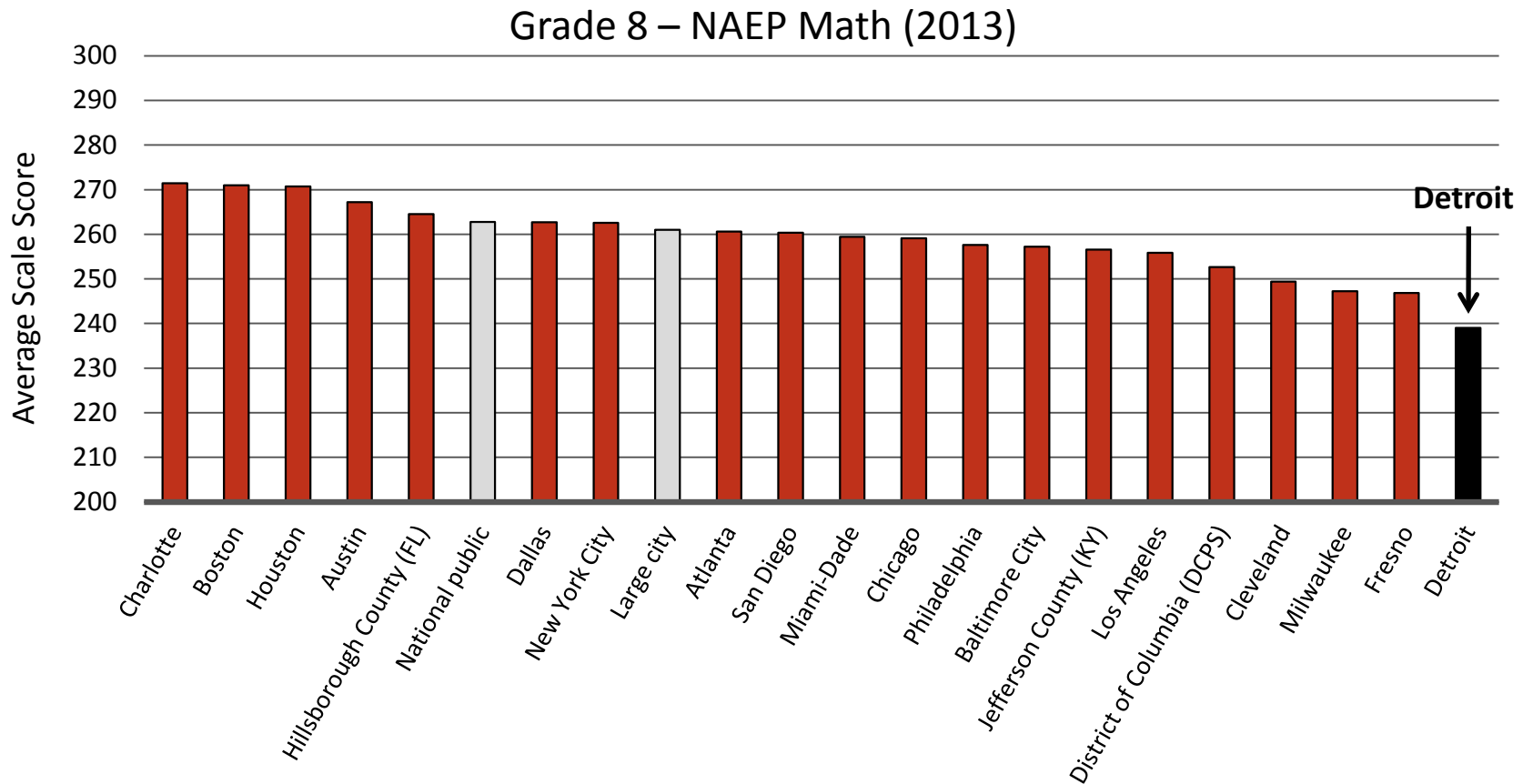
Note: Rankings are among all 50 states

Source: NCES, NAEP Data Explorer

Charter School Achievement

- Both traditional public schools and charters have high-performing schools, many mediocre schools and too many low-performers
- Stanford University's CREDO research center found that 80 percent of Michigan charter schools perform below the state average in reading and 84 percent perform below average in math
- Looking only at high-poverty schools that have been open for three or more years, we can see that many Detroit charters perform the same or worse than Detroit Public Schools

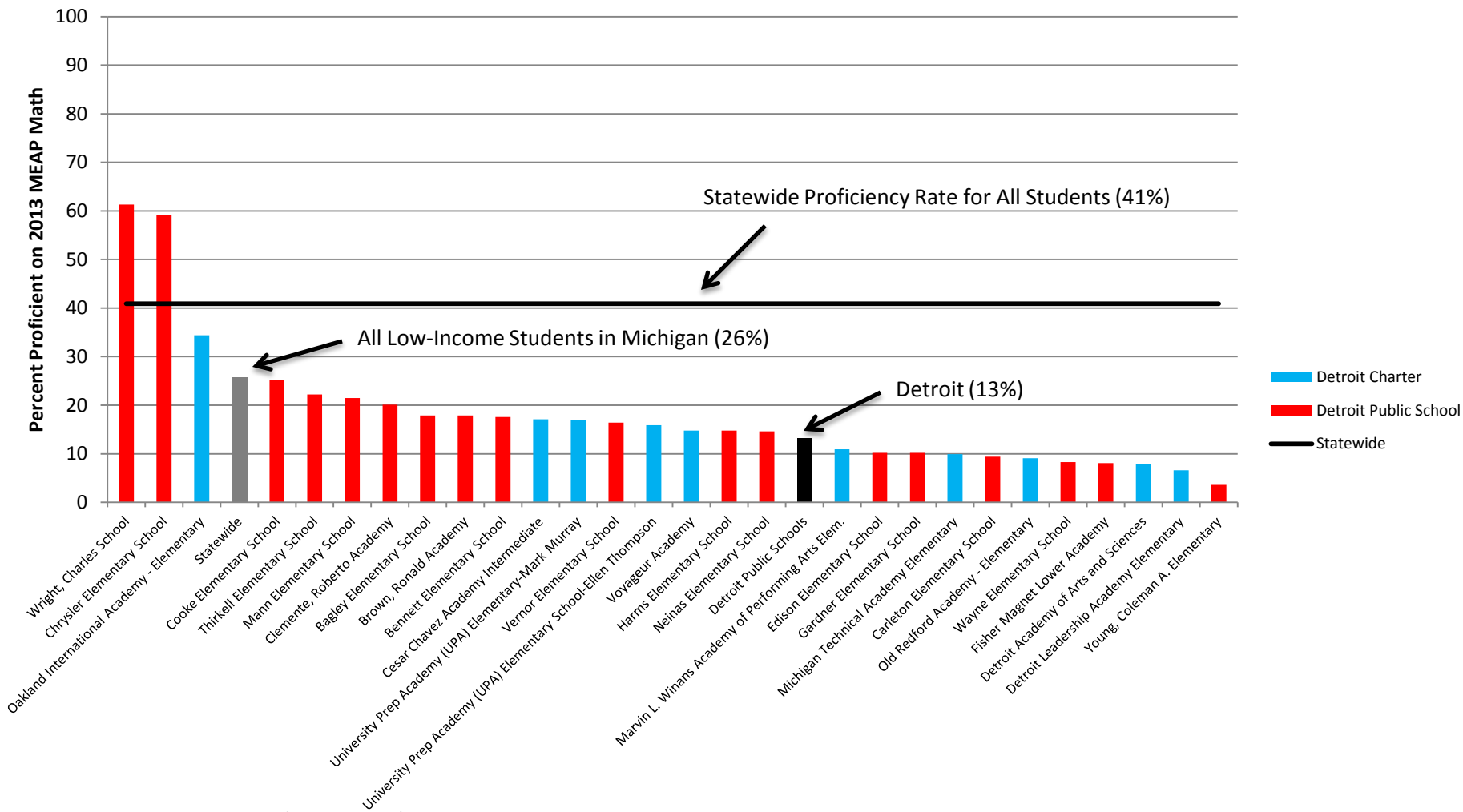
Detroit African-American Students Last in Math



Note: Basic Scale Score = 262; Proficient Scale Score = 299

Source: NAEP Data Explorer, NCES

Low-Income Students' Math Performance Similar in Detroit High Poverty Charter and Traditional Public Elementary Schools – 2013



Source: [Fall 2013 MEAP Four Year \(Gap Analysis\)](#), [CEPI](#), [Fall 2012 Building Data](#), [Free and Reduced Lunch Counts](#).

Note: Elementary schools have enrollment in at least one grade 3-6 and no grade 7 or grade 8 enrollments. High poverty schools are in the top quartile of percent of students who qualify for free or reduced-price lunch, which means that 72% or more students are low-income. Only schools with three years of MEAP data are included.

The Good News: Leading Education States Provide Hope & Proven Strategies

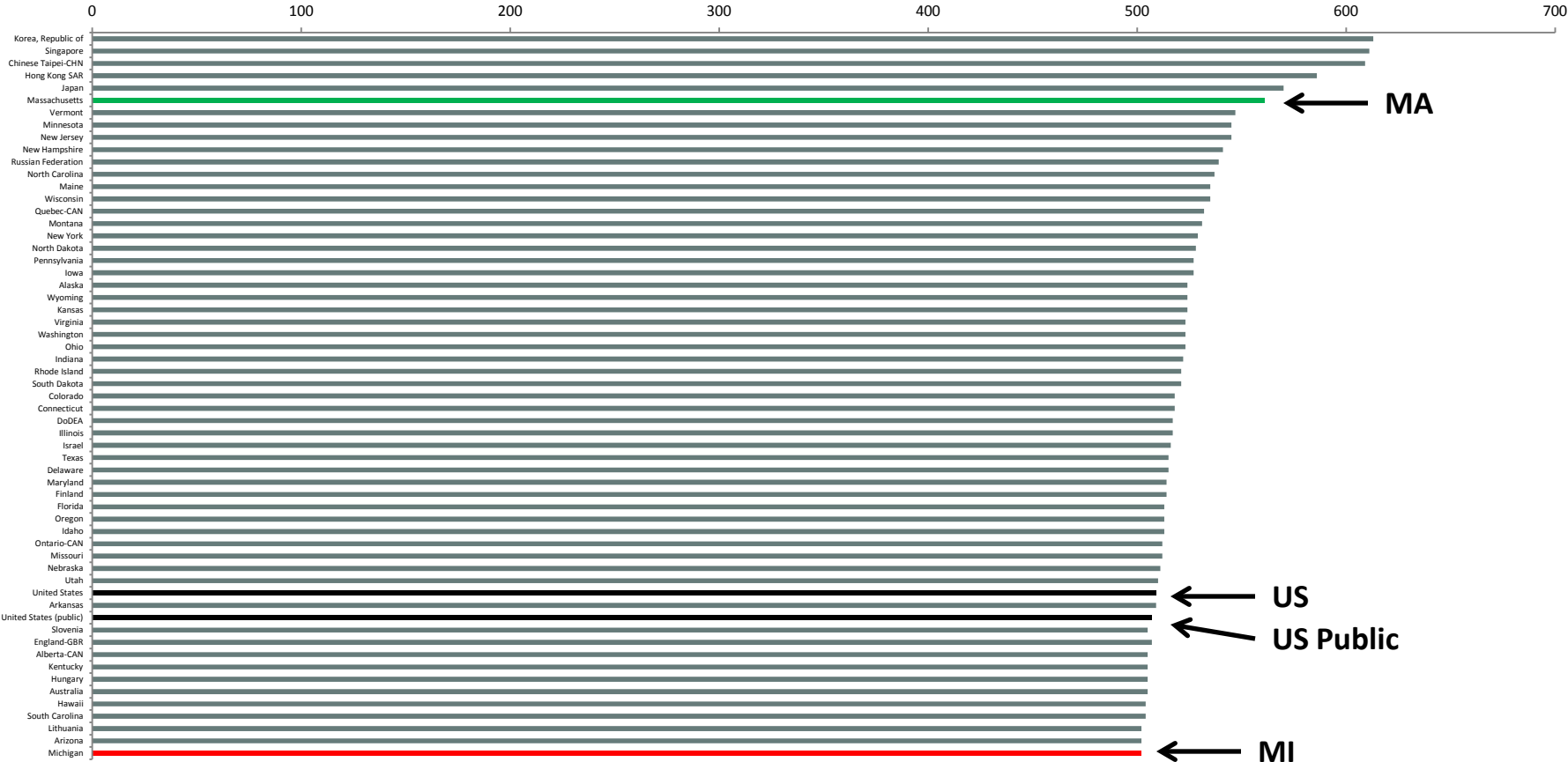
A Global Model for Learning: Massachusetts

A Global Model for Learning: Massachusetts

- If Massachusetts was a country, its eighth-graders would rank 2nd in the world in science and 6th in the world in math.
- Michigan would rank well below Slovenia and nearly half the other states in science.
- On 2013 NAEP, Massachusetts gained 20 points in math for low-income eighth-graders—roughly the equivalent of two additional years worth of math instruction
 - In other words, Massachusetts' low-income eighth-graders are about a year and a half ahead of their Michigan counterparts in math

Massachusetts Near the Top in Math Worldwide

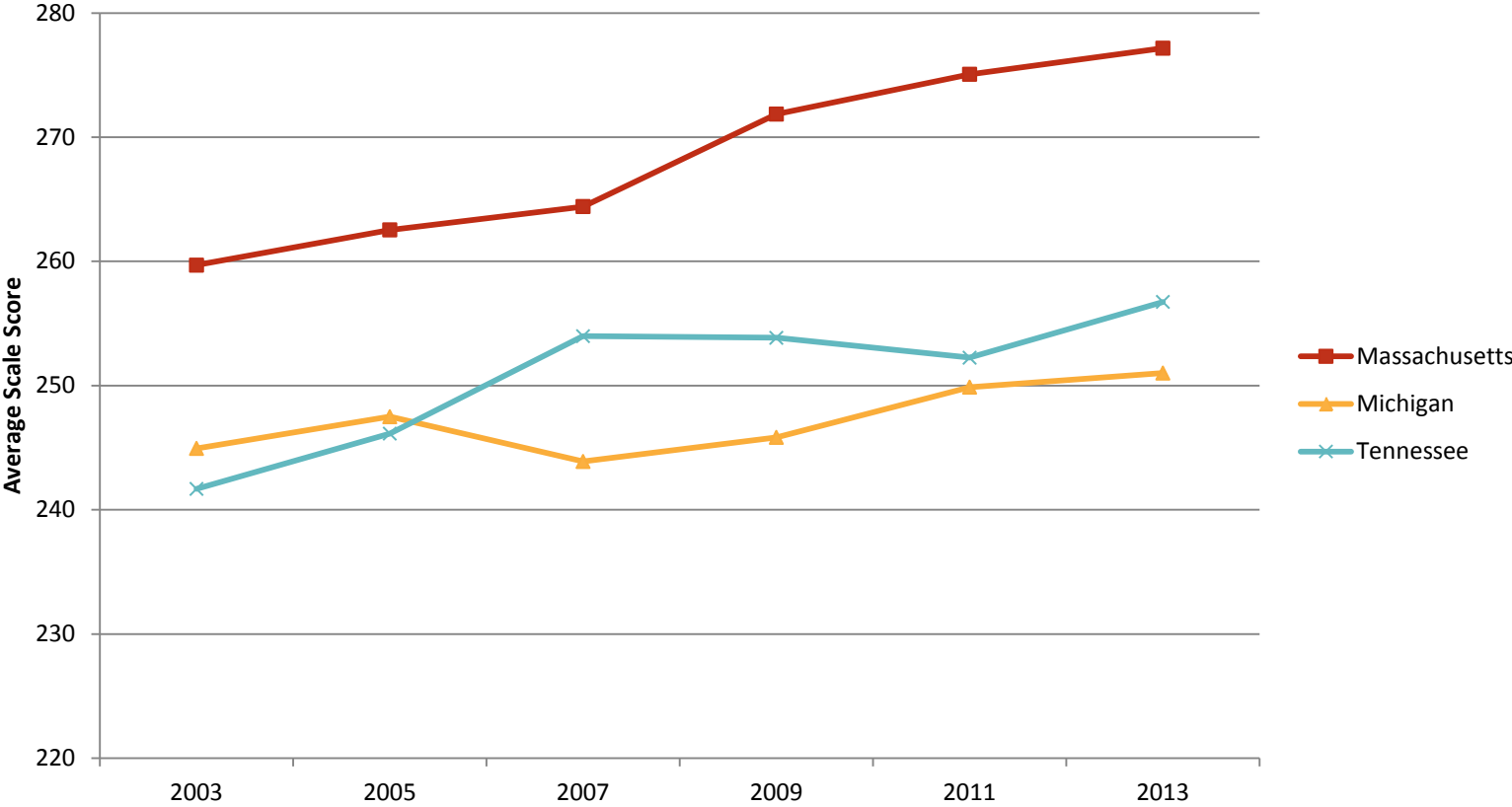
NAEP-TIMSS 2011, 8th grade Math



Source: U.S. States in a Global Context: NAEP-TIMSS Linking Study

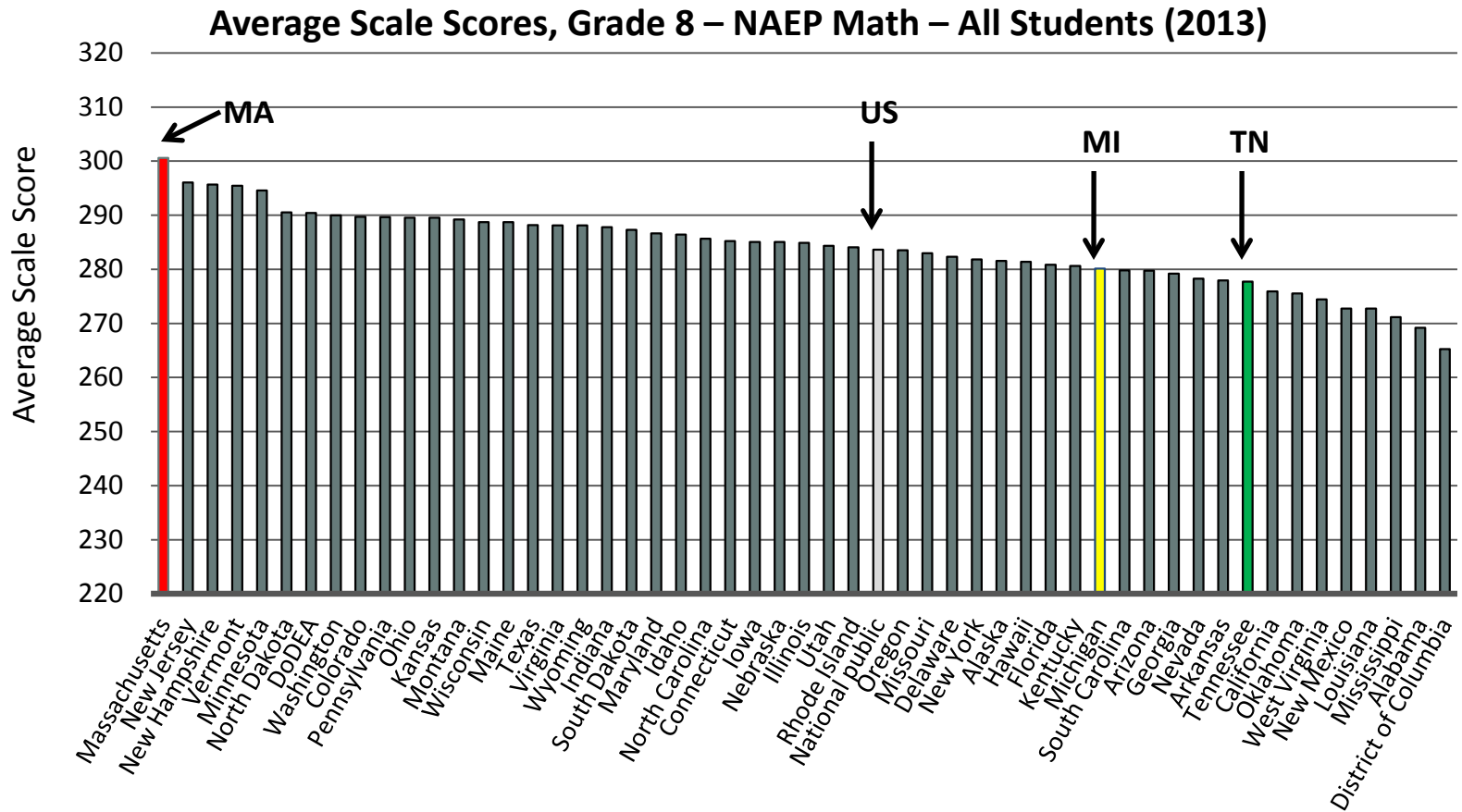
African-American Students Improving in Math in Leading States

NAEP Grade 8 – Math – African-American



Source: National Center for Education Statistics, State Comparisons Tool

Massachusetts leads the nation in math



Source: National Center for Education Statistics, State Comparisons Tool

What led to Massachusetts' success?

- Major reforms began over twenty years ago in 1993:
 - Rigorous standards, requirements and assessments
 - Regulated high-quality charter development
 - Additional professional development for educators
 - Greater funding equity to schools and districts
- Despite Massachusetts' long history of reform, education remains a priority for state leaders

Steadfast Commitment to Education

- In 2007, Gov. Deval Patrick approved a 10-yr plan to improve education:
 - Greater grade-level alignment of curricula
 - Expanded learning time
 - Equitable funding, especially for special education students
 - Universal Pre-K and full day Kindergarten
- In 2010, legislation expanded ***proven*** charter schools and gave superintendents greater leeway to turnaround their worst-performing schools

Tennessee: Leading the Nation for Student Growth

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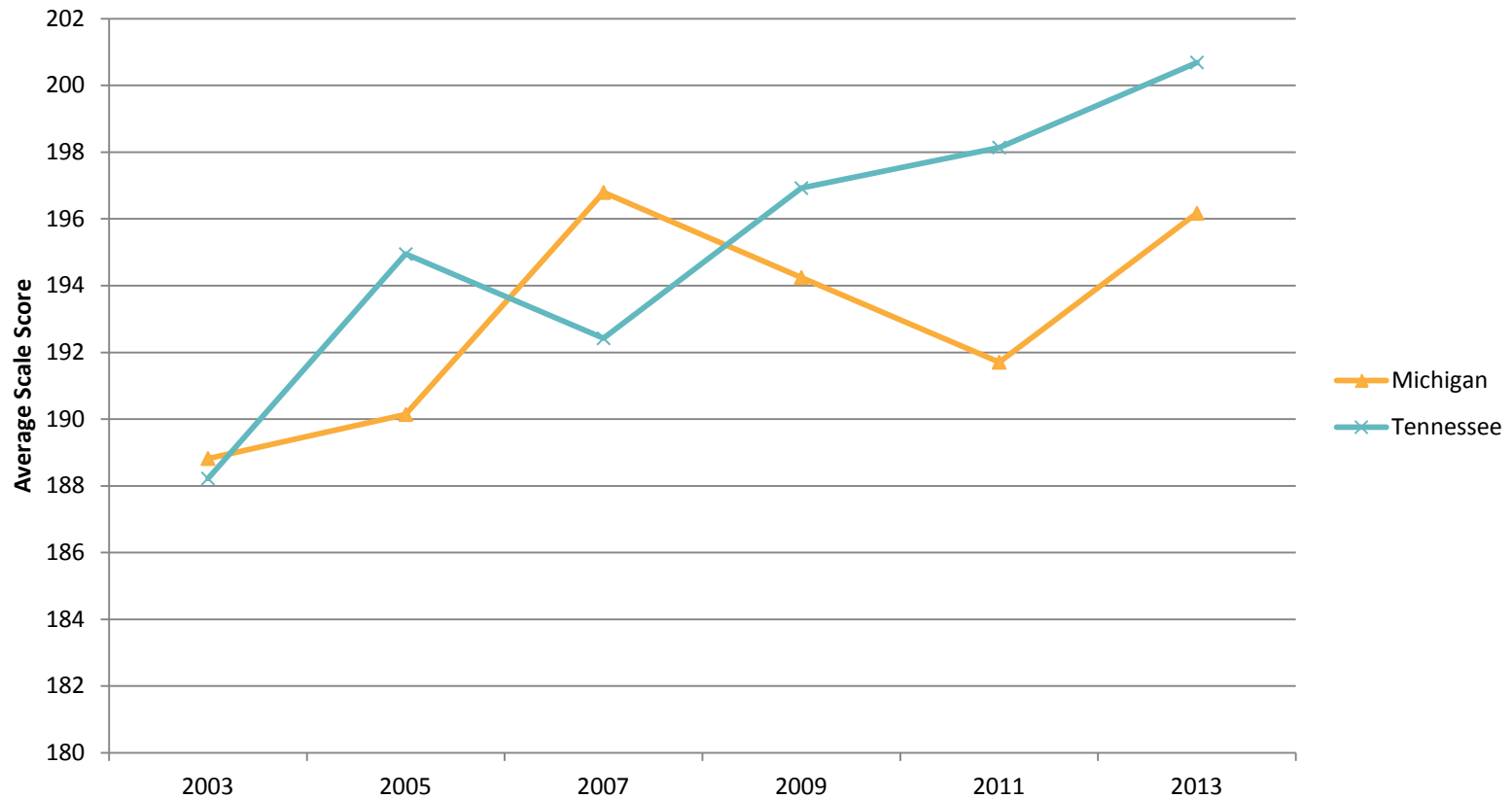
- Tennessee has historically struggled in achievement, with wide gaps among African-American and white students
- But Tennessee has turned a corner, now outperforming Michigan, despite trailing Michigan for years
 - In 2003, Tennessee's rank in fourth-grade math was lower than Michigan's and the state ranked 43rd in the country – well below Michigan's ranking of 27th.
 - Ten years later, Tennessee ranks 37th compared to Michigan's 42nd on the 2013 national assessment.

Tennessee: Leading the Nation for Student Growth

- On the 2013 national 8th grade reading assessment Tennessee's average score was about six points higher than it was in 2011, for students overall and for low-income students.
- The average score for African-American eighth-graders was 10 points higher in reading in 2013 than in 2011.
 - Equivalent to about an extra year of learning for African-American eighth-graders

Tennessee African-American Students Outpace MI Over Last Decade

NAEP Grade 4 – Reading – African American

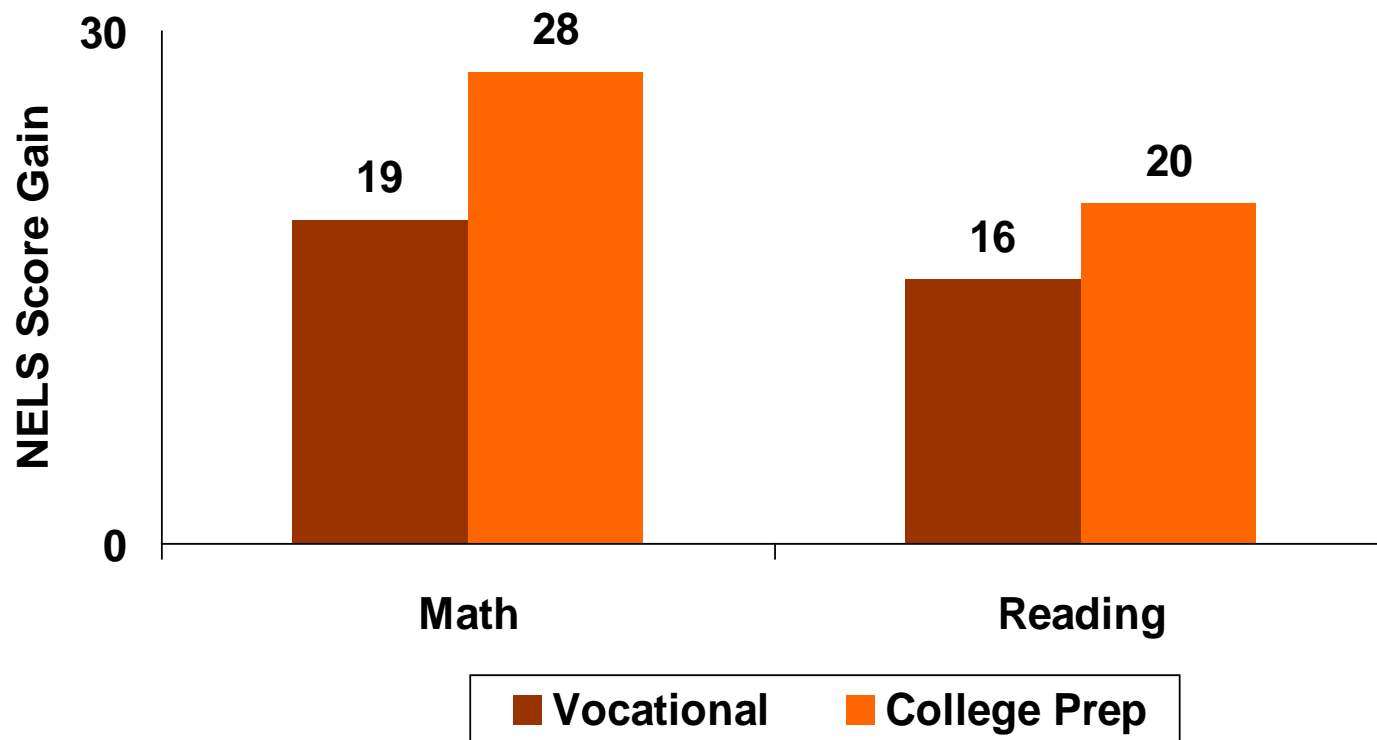


Source: National Center for Education Statistics, State Comparisons Tool

What led to Tennessee's Recent Success?

- A commitment to educational reform, despite different political parties in the governor's office, produced large growth:
 - One of the nation's first K-12 data systems
 - Pre-K through higher-education (P-20) longitudinal data system
 - Pilot early warning system for at-risk student progress
 - \$517 million increase in school funding in 2007 over three years
 - Over 30,000 educators trained in Common Core standards
 - Development of the state's first system of educator coaching, support, and evaluation

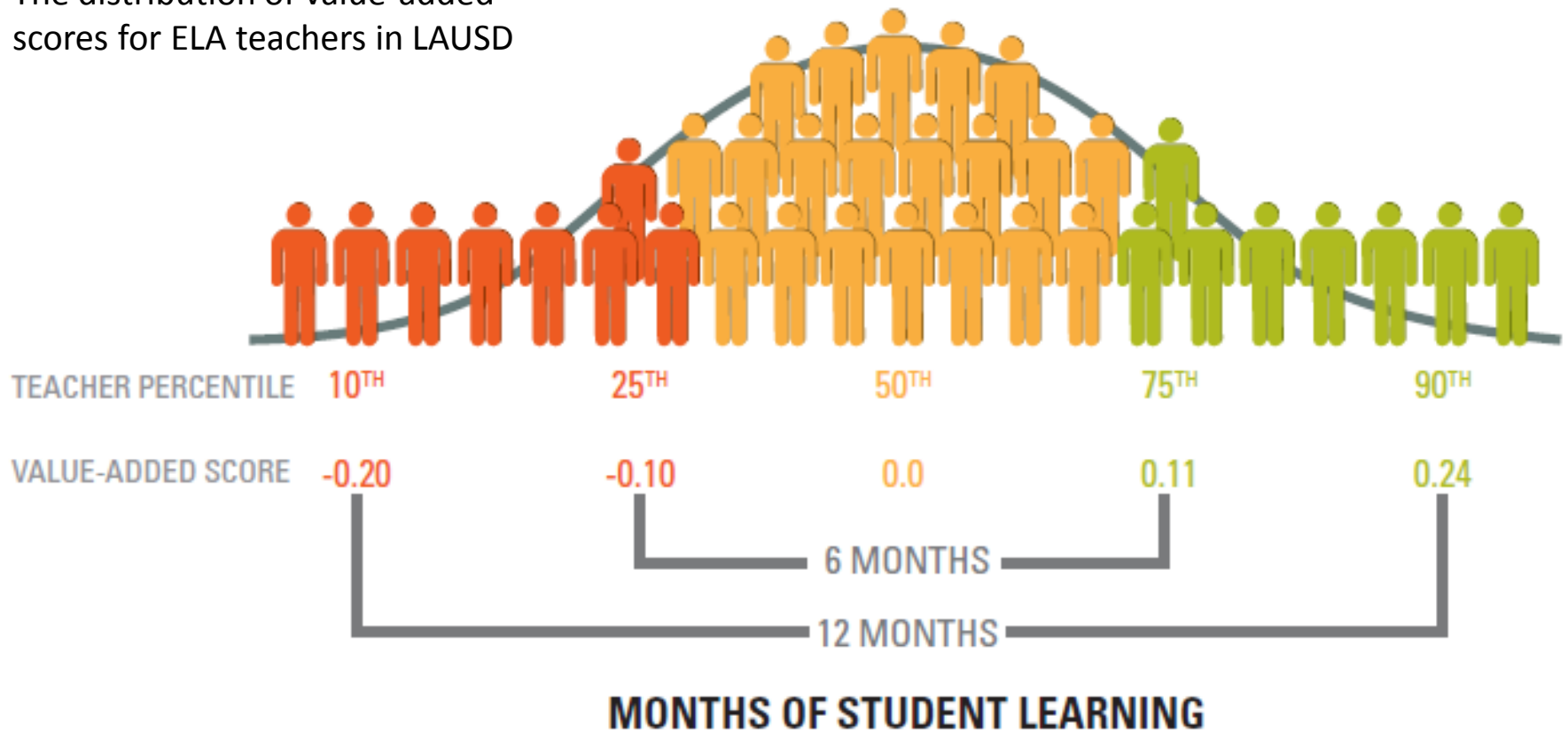
Low Quartile Students Gain More From College Prep Courses*



***Grade 8-Grade 12 test score gains based on 8th grade achievement.**

Differences in teacher effectiveness account for large differences in student learning

The distribution of value-added scores for ELA teachers in LAUSD



Source: Education Trust – West, "Learning Denied: The Case for Equitable Access to Effective Teaching in California's Largest School District," 2012.

National Inequities in State and Local Revenue Per Student

	Gap
High Poverty vs. Low Poverty Districts	-\$773 per student
High Minority vs. Low Minority Districts	-\$1,122 per student

Source: Education Trust analyses based on U.S. Department of Education and U.S. Census Bureau data for the 2005-06 school year.

Michigan's Progress: The Path to Educational Recovery

Michigan's Current Progress

- Michigan has taken some important steps forward:
 - Adoption of rigorous college- and career- ready standards
 - Stricter graduation requirements
 - Initial steps toward statewide educator evaluation and support system

Michigan's Path to Educational Recovery

- Current efforts must be sustained, while others require improvement or action:
 - Effective Teaching and School Leadership
 - High Expectations for All Students
 - Support for All Teachers
 - School Accountability and Support
 - Targeted Investments
 - Empowering Parents and Communities

Conclusion: We Can Move from Stalled to Soaring

We Can Move from Stalled to Soaring

- High achieving and high growth states reveal proven strategies that strong investment can produce improved student learning.
- There are positive signs of progress, but Michigan is not yet doing nearly enough.

By making a sustained, comprehensive investment in the strategies we know work, Michigan can get back on track.

**Interested in the latest news and
groundbreaking research on Michigan
education?**

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THANK YOU!

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