

State Board Meeting

# Maryland School Assessment (MSA) Reading and Mathematics 2012

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Division of Accountability, Assessment, and  
Data Systems  
July 24, 2012

- The Maryland School Assessment (MSA) is a series of end-of-course tests designed to measure and report student mastery of State content standards.
- The Maryland accountability model is designed to meet federal ESEA requirements for holding schools accountable for student performance measured by MSA and reflecting progress indicators established by the State.

# MSA Reading and Mathematics

- Assesses Reading and Mathematics aligned with grade-level Maryland Content Standards
- Administered annually in Grades 3-8
  - Approximately 367,700 students tested
- Students receive a score of *Basic*, *Proficient* or *Advanced*
  - *Basic* signifies that the performance standard has not been met
  - *Proficient* signifies that the performance standard has been met
  - *Advanced* signifies that the performance standard has been exceeded

- Elementary Grades

- 88.2 percent of students are MEETING or EXCEEDING the performance standards in Reading and 87.7 percent in Mathematics.

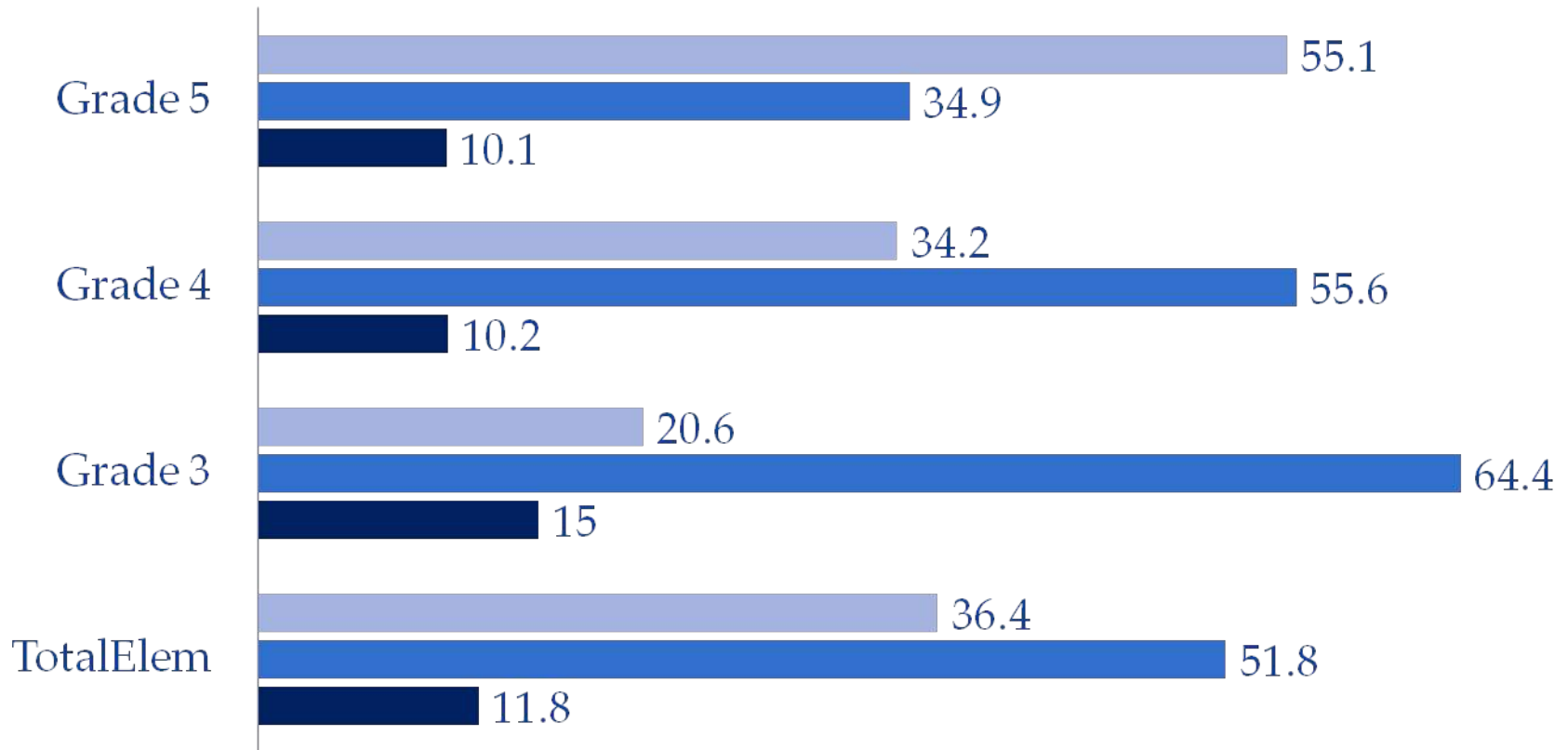
- Students EXCEEDING the performance standards in Reading (36.4%) and Mathematics (40.3%) outnumber students who are not yet meeting the standard in Reading (11.8%) and Mathematics (12.3%).

- Middle Grades
  - 82.1 percent of Middle school students MET or EXCEEDED the performance standard in Reading and 76.2 percent in Mathematics.
  - Among Middle school students, 43.9 percent EXCEEDED the performance standard in Reading and 31.8 percent EXCEEDED the performance standard in Mathematics.

# MSA Elementary Reading 2012: Performance Distribution by Grade and Total

## Percent Scores by Performance Level

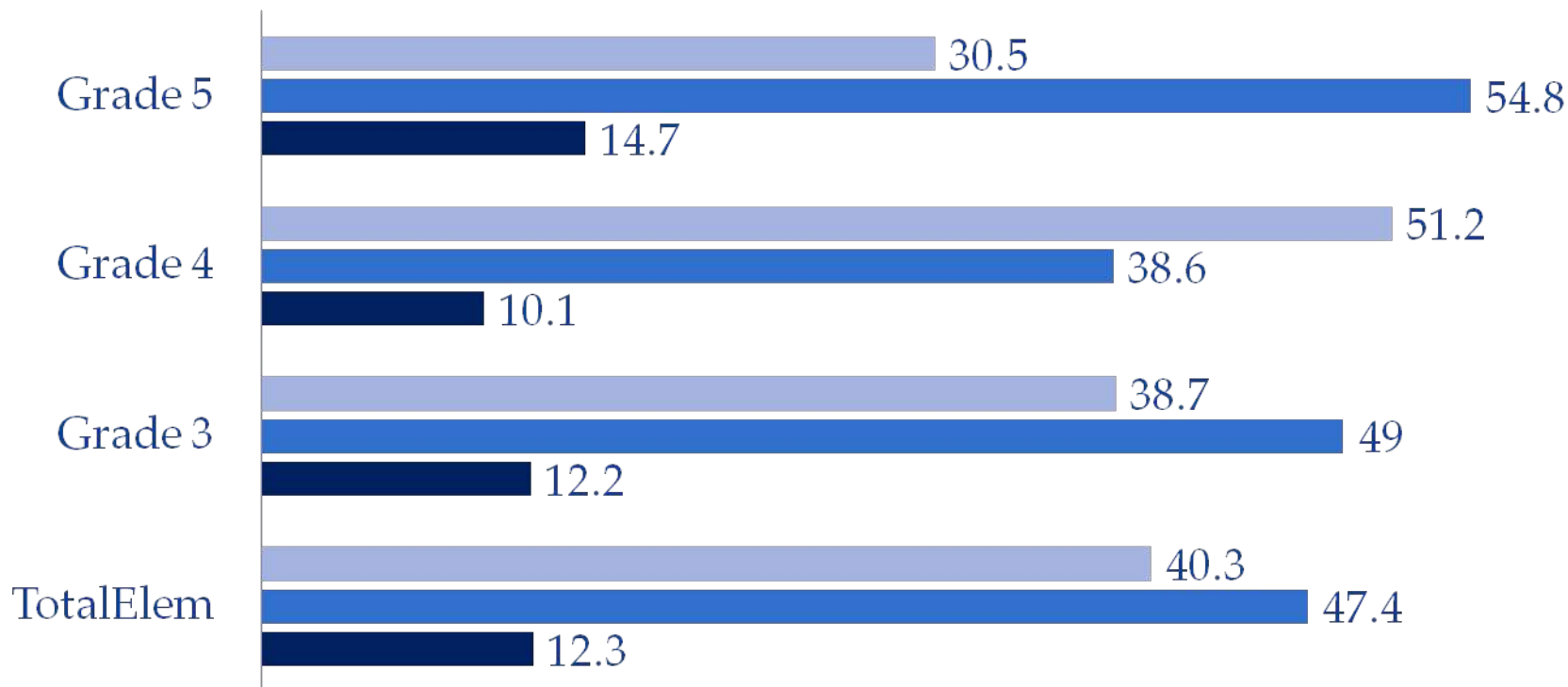
■ Advanced ■ Proficient ■ Basic



# MSA Elementary Mathematics 2012: Performance Distribution by Grade and Total

## Percent Scores by Performance Level

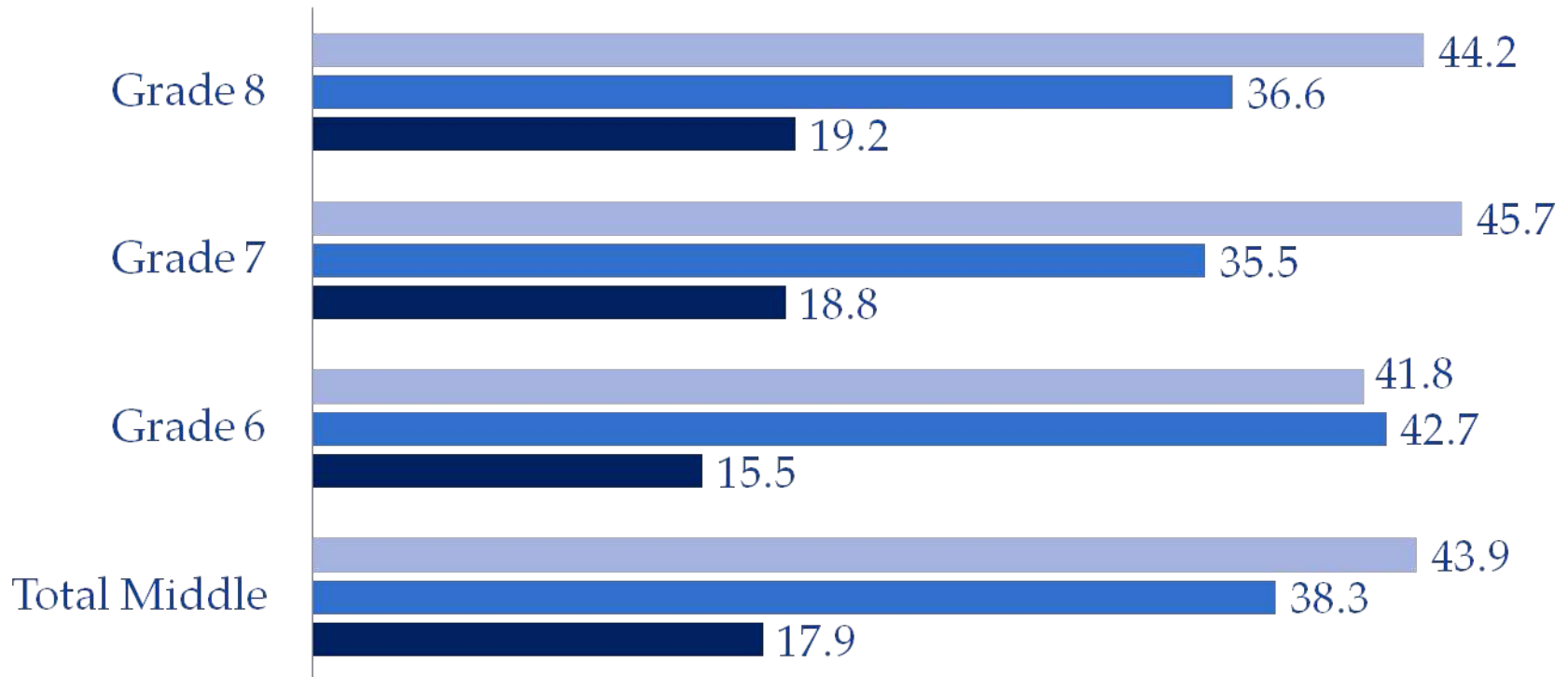
■ Advanced   
 ■ Proficient   
 ■ Basic



# MSA Middle School Reading 2012: Performance Distribution by Grade and Total

## Percent Scores by Performance Level

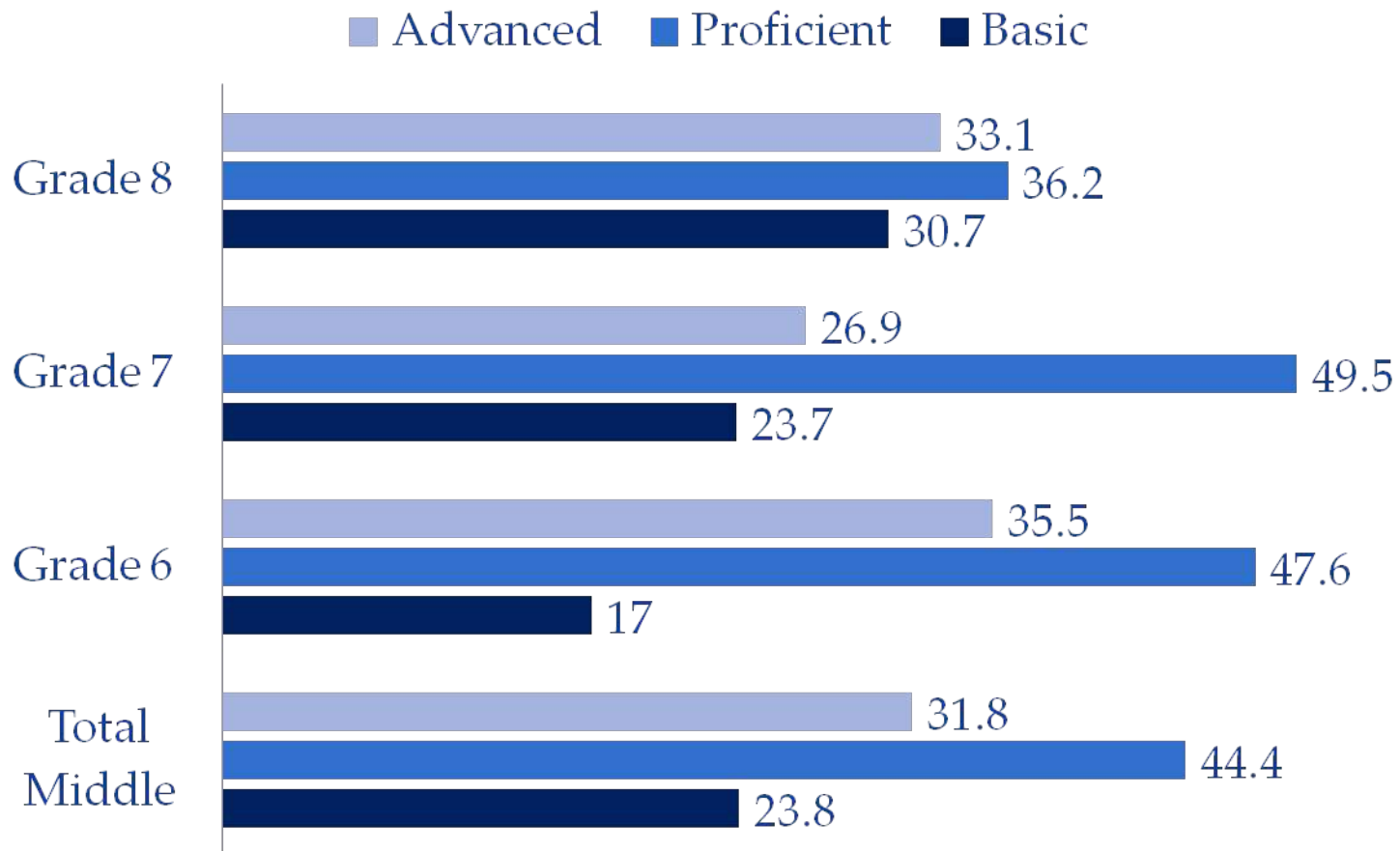
■ Advanced ■ Proficient ■ Basic





# MSA Middle School Mathematics 2012: Performance Distribution by Grade and Total

## Percent Scores by Performance Level

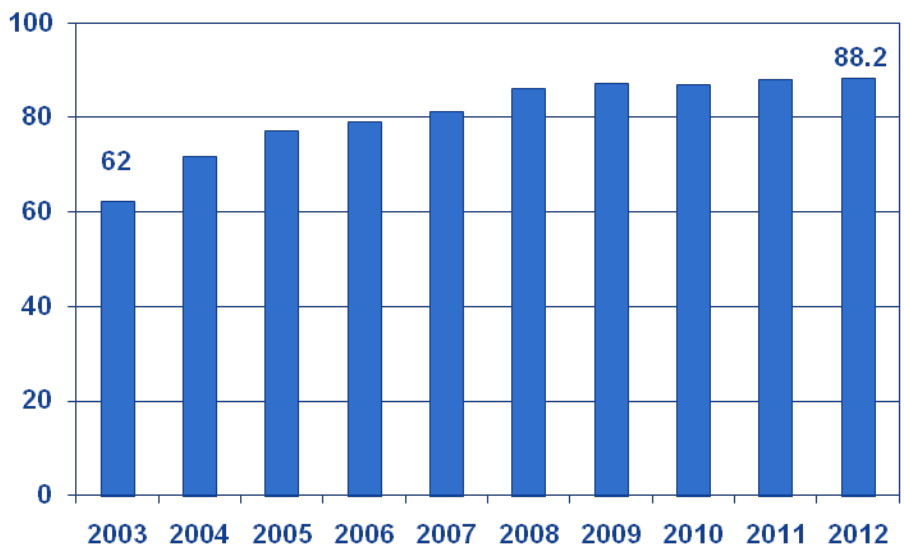


# Reflections on State Progress

- The 2012 administration marked the tenth successive year of MSA administration.
- Compared to 2003, Elementary proficiency in Reading increased from 62 percent in 2003 to 88.2 percent in 2012 and the Middle school rate improved from 59.9 percent to 82.1 percent.
- Compared to 2003, Elementary proficiency in Mathematics rose from 60 percent to just under 88 percent (87.7%) and Middle school proficiency improved from 39.6 percent in 2003 to 76.2 percent in 2012.

# Gains: Elementary Grades

## Reading 2003-2012



**26.2-point gain since 2003**

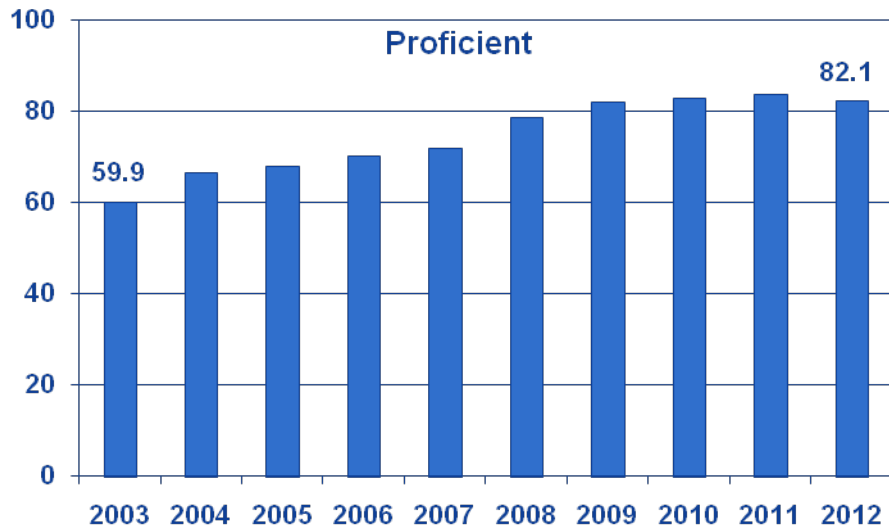
## Math 2003-2012



**27.7-point gain since 2003**

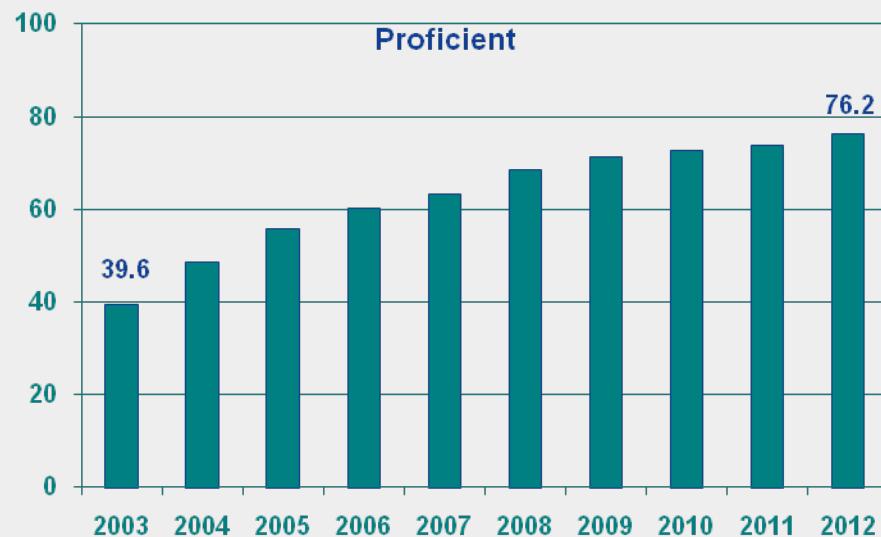
# Gains: Middle School Grades

## Reading 2003-2012



22.2-point gain since 2003

## Math 2003-2012

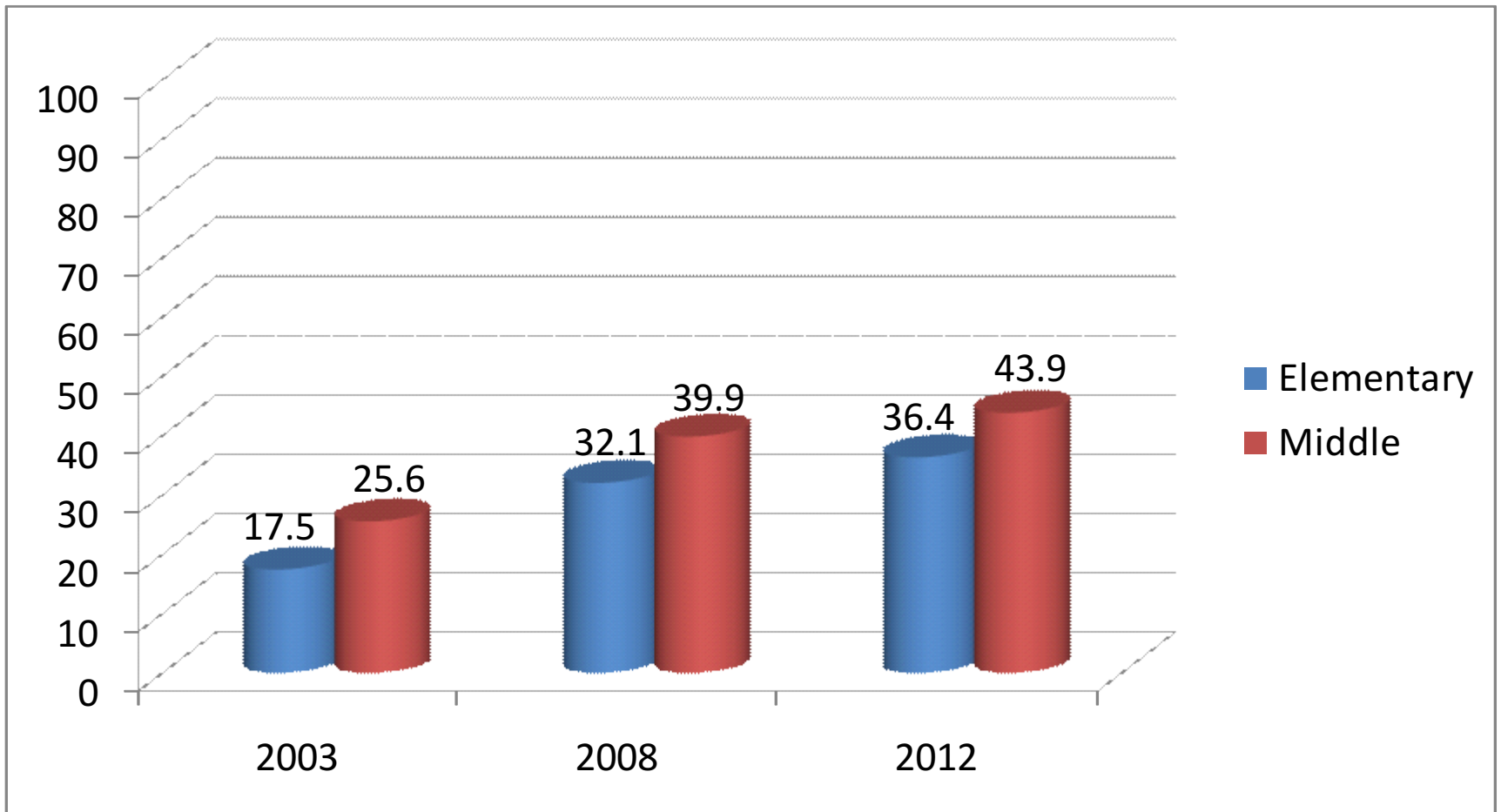


36.6-point gain since 2003

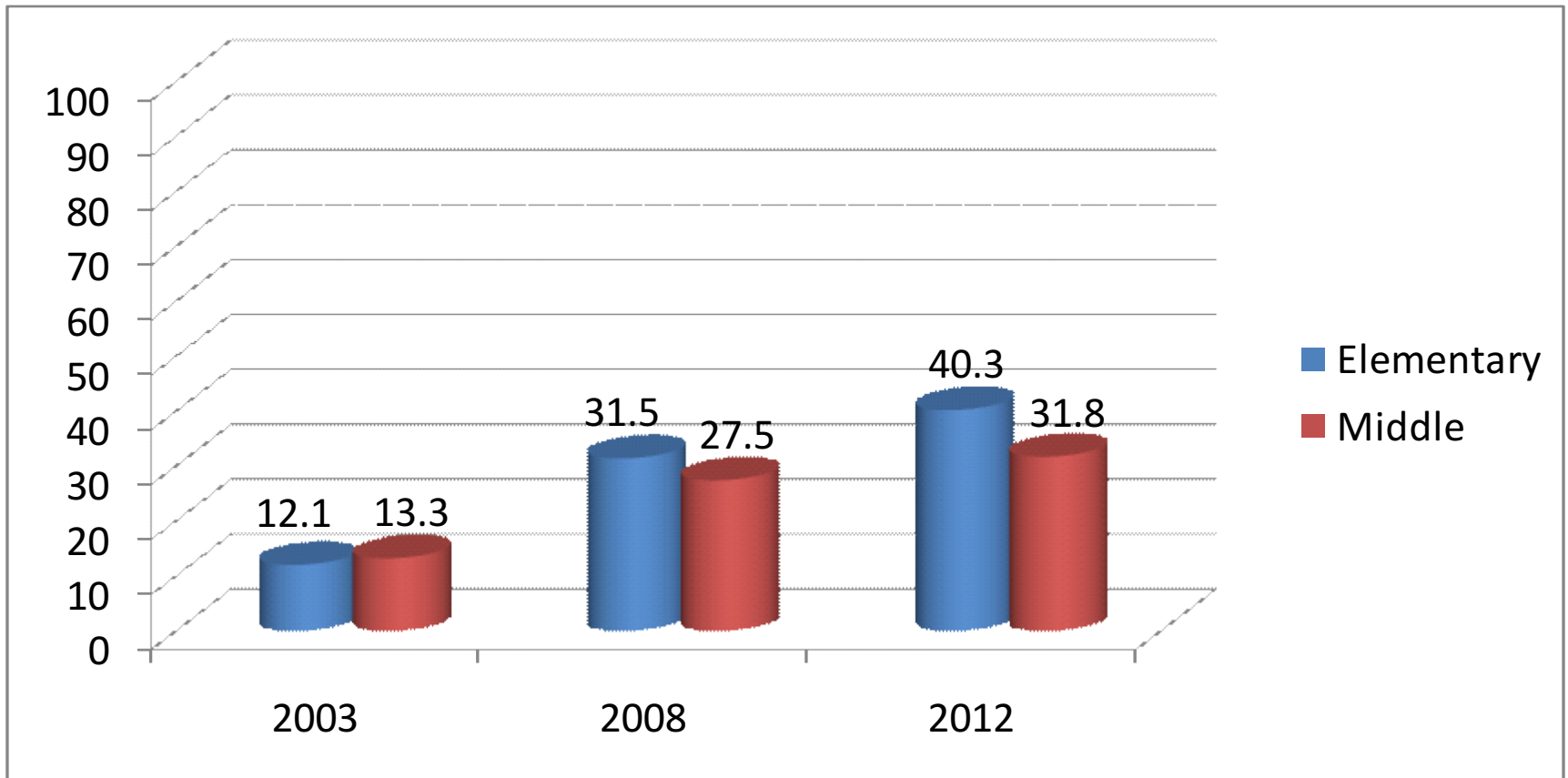
# Progress Towards High Performance

- The percent of Advanced scores in Reading and Mathematics has improved steadily since 2003.
- Since 2003, the percent of Elementary Reading scores at the Advanced level has doubled and the percent of Middle school Reading scores has increased by a factor of 1.7.
- The percent of Elementary Mathematics scores at the Advanced level has increased more than three-fold since 2003 and the percent of Middle school Mathematics scores has more than doubled.

# Percent Scores Advanced: Reading



# Percent Scores Advanced: Math



## Number of High-Performing LEAs by Percent Proficient or Better in Reading: 2008-2012

Percent Proficient	Elementary 2008	Elementary 2012	Middle 2008	Middle 2012
95 and above		1		
90-94.9	9	13	1	4
85-89.9	9	6	7	8
80-84.9	3	2	6	5
Total	21	22	14	17



## Number of LEAs by Percent Proficient or Better All Students in Mathematics: 2008-2012

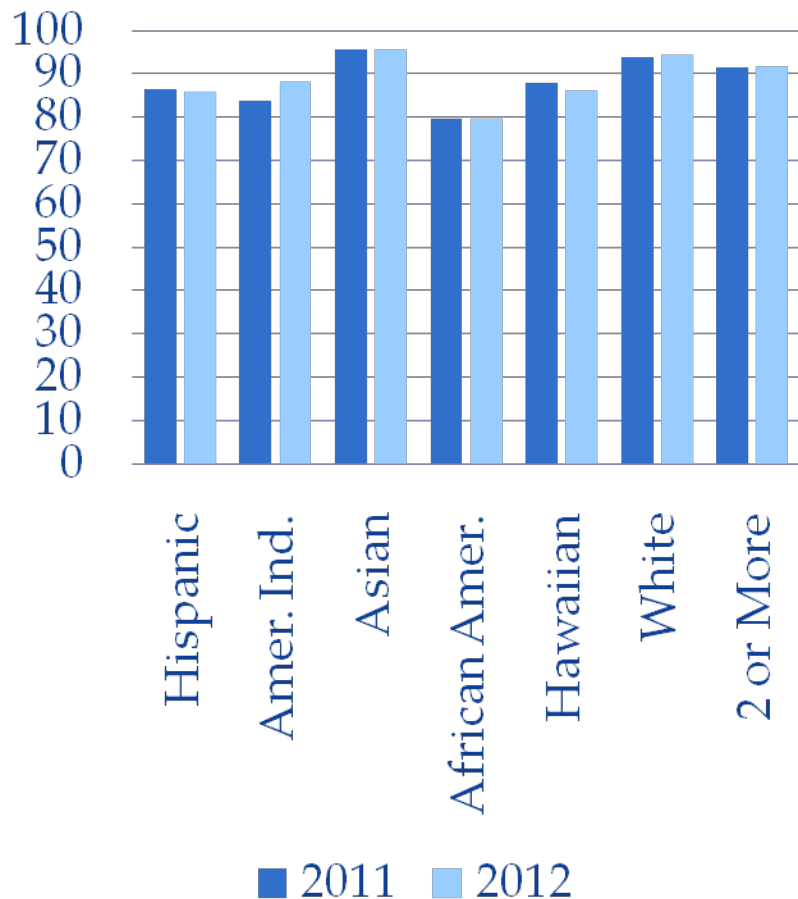
Percent Proficient	Elementary 2008	Elementary 2012	Middle 2008	Middle 2012
95 and above		2		
90-94.9	2	11		2
85-89.9	11	7	1	5
80-84.9	7	1	5	9
Total	20	21	6	16

## 2012: Looking Forward and Meeting the Challenges

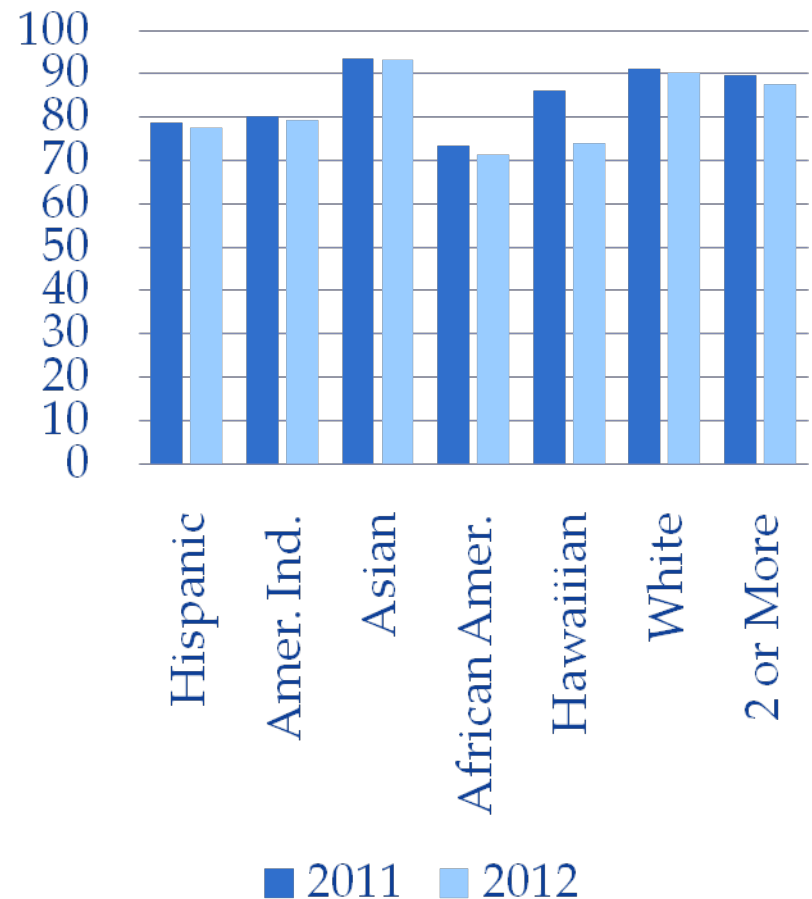
- Race/Ethnicity Subgroups
  - New categories introduced in 2011: limited historical information
  
- Special Services Subgroups
  - Five-Year Retrospective
  - Current Year's Performance

# MSA Reading Results by Race

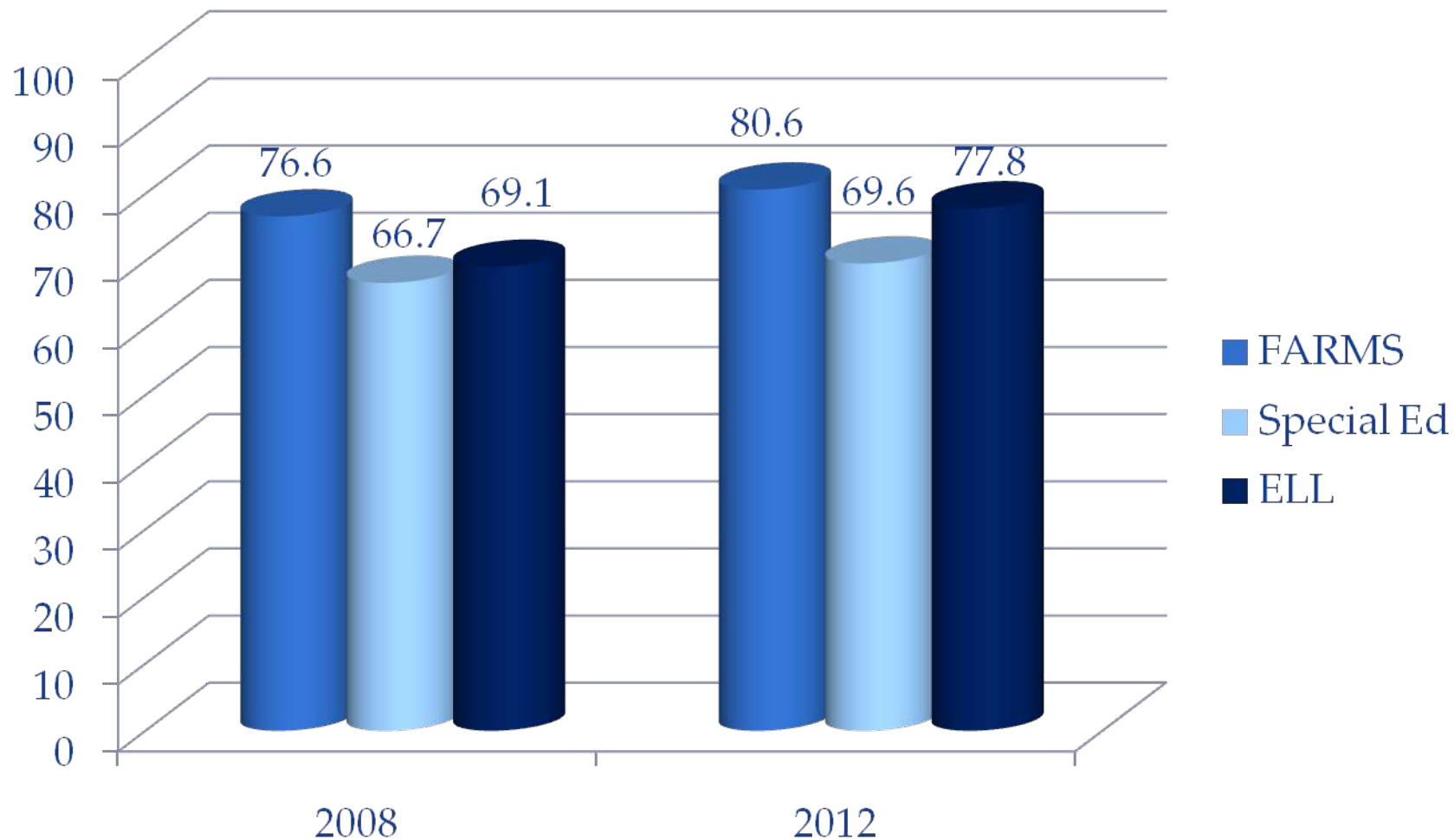
## Elementary



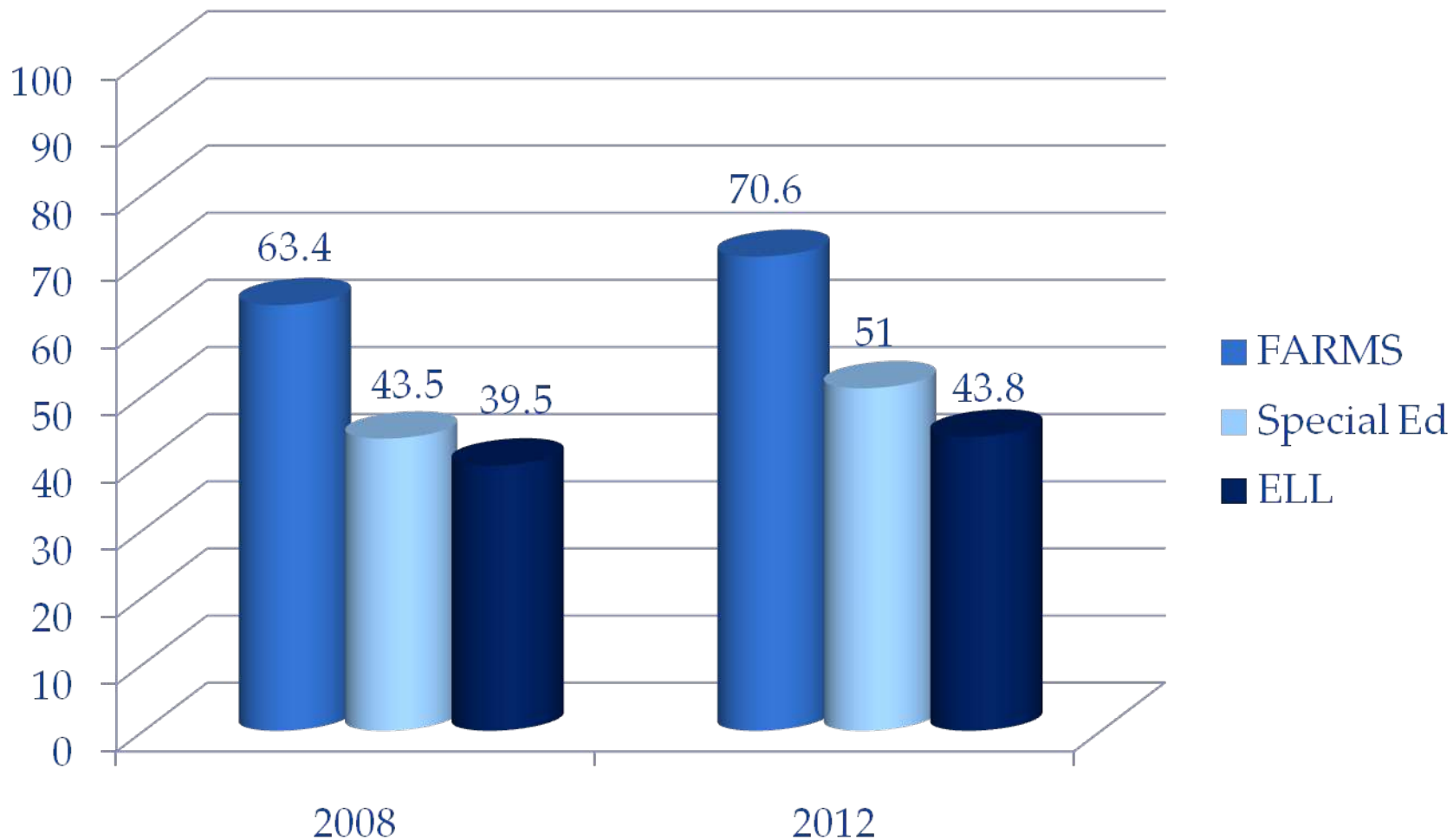
## Middle



# Elementary Reading Proficiency or Better: Special Services Subgroups

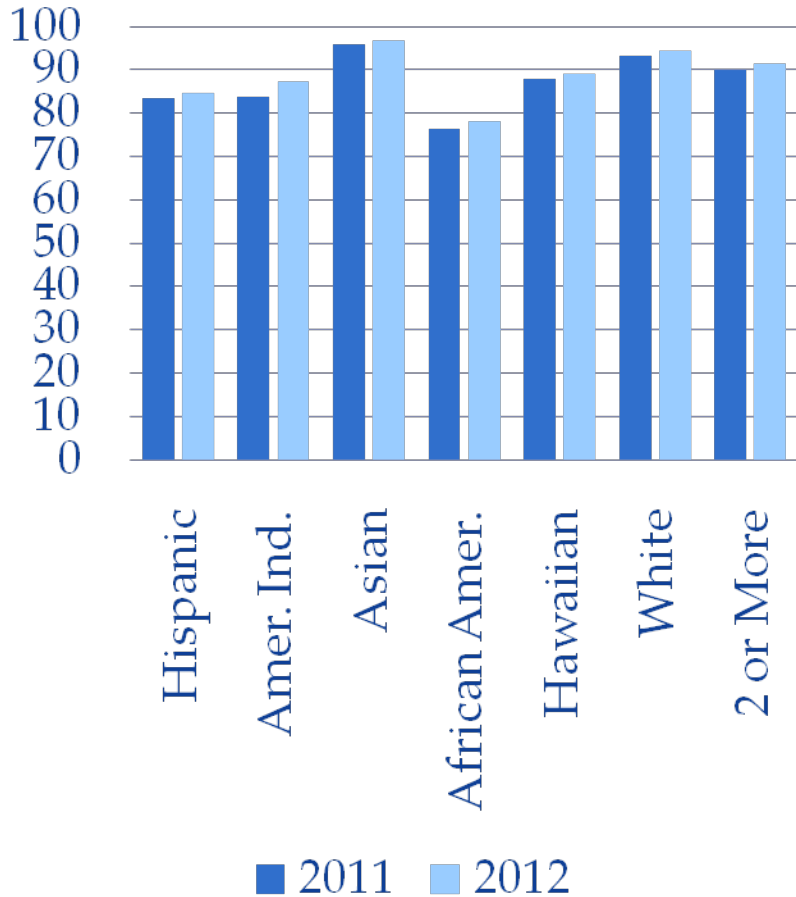


# Middle School Reading Proficiency or Better: Special Services Subgroups

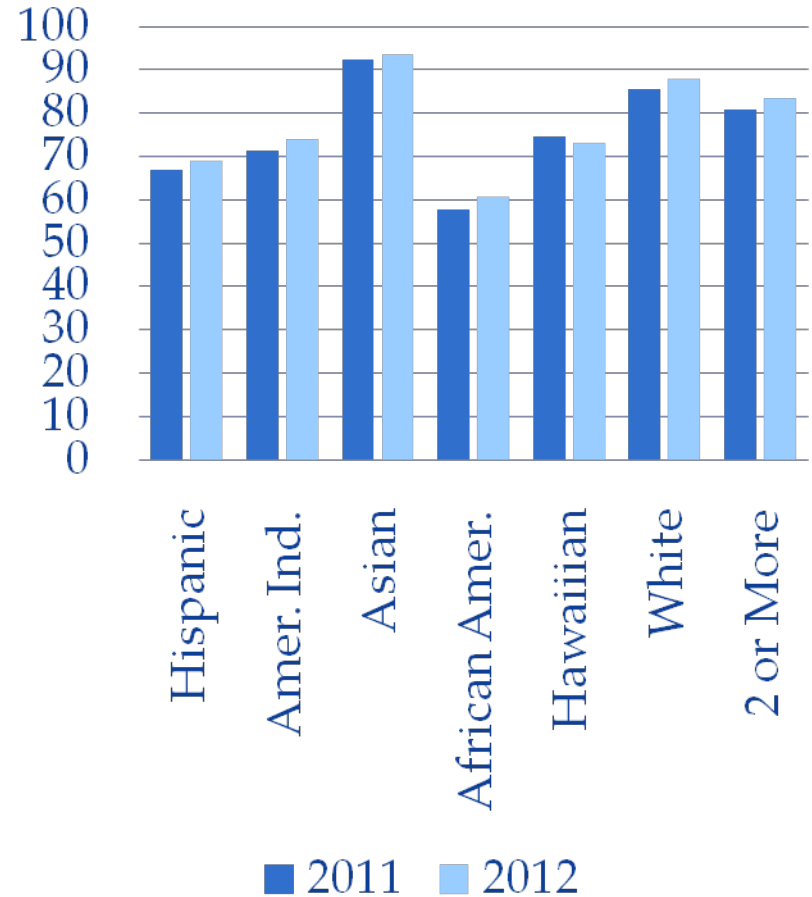


# MSA Mathematics Results by Race

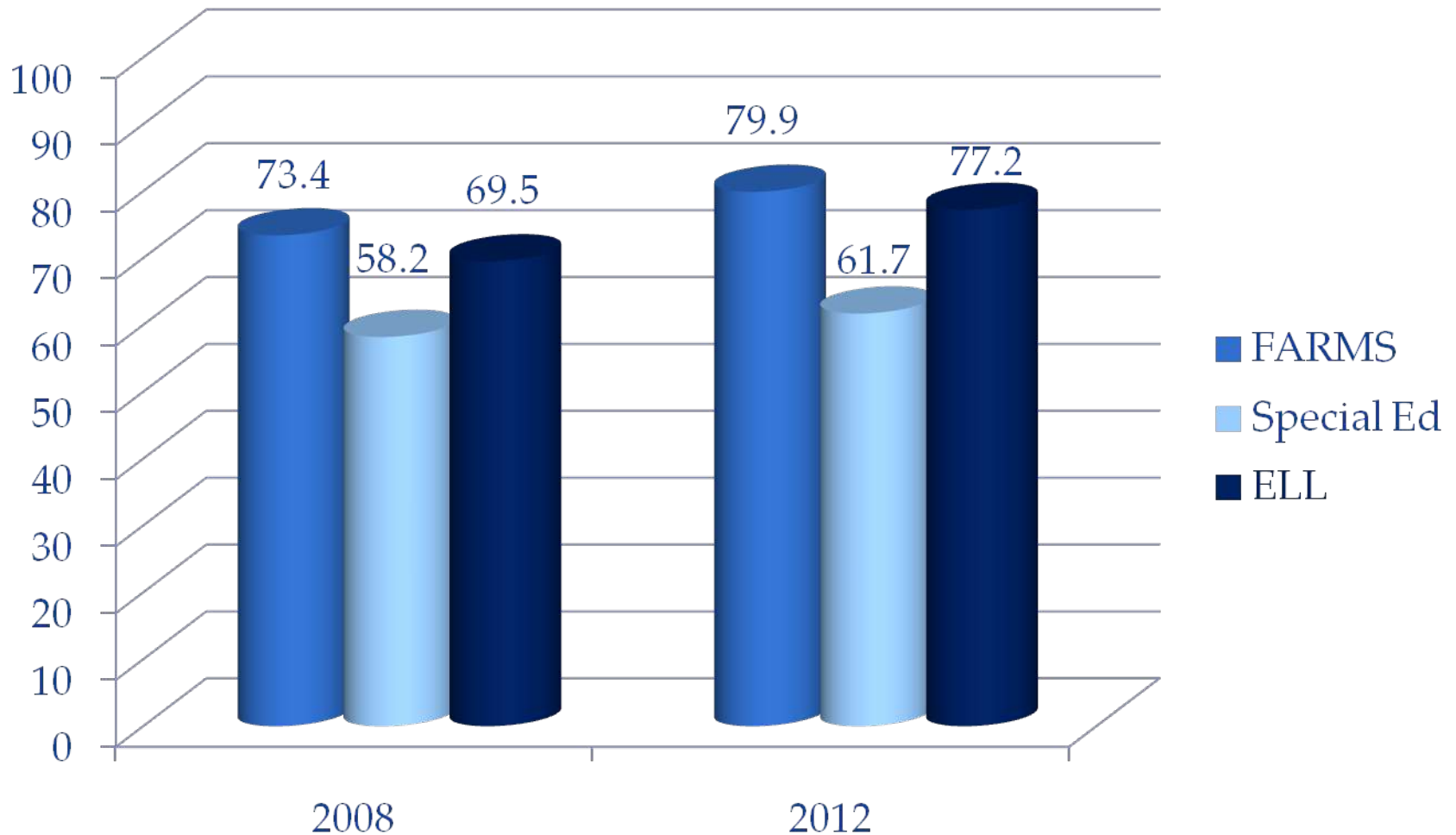
## Elementary



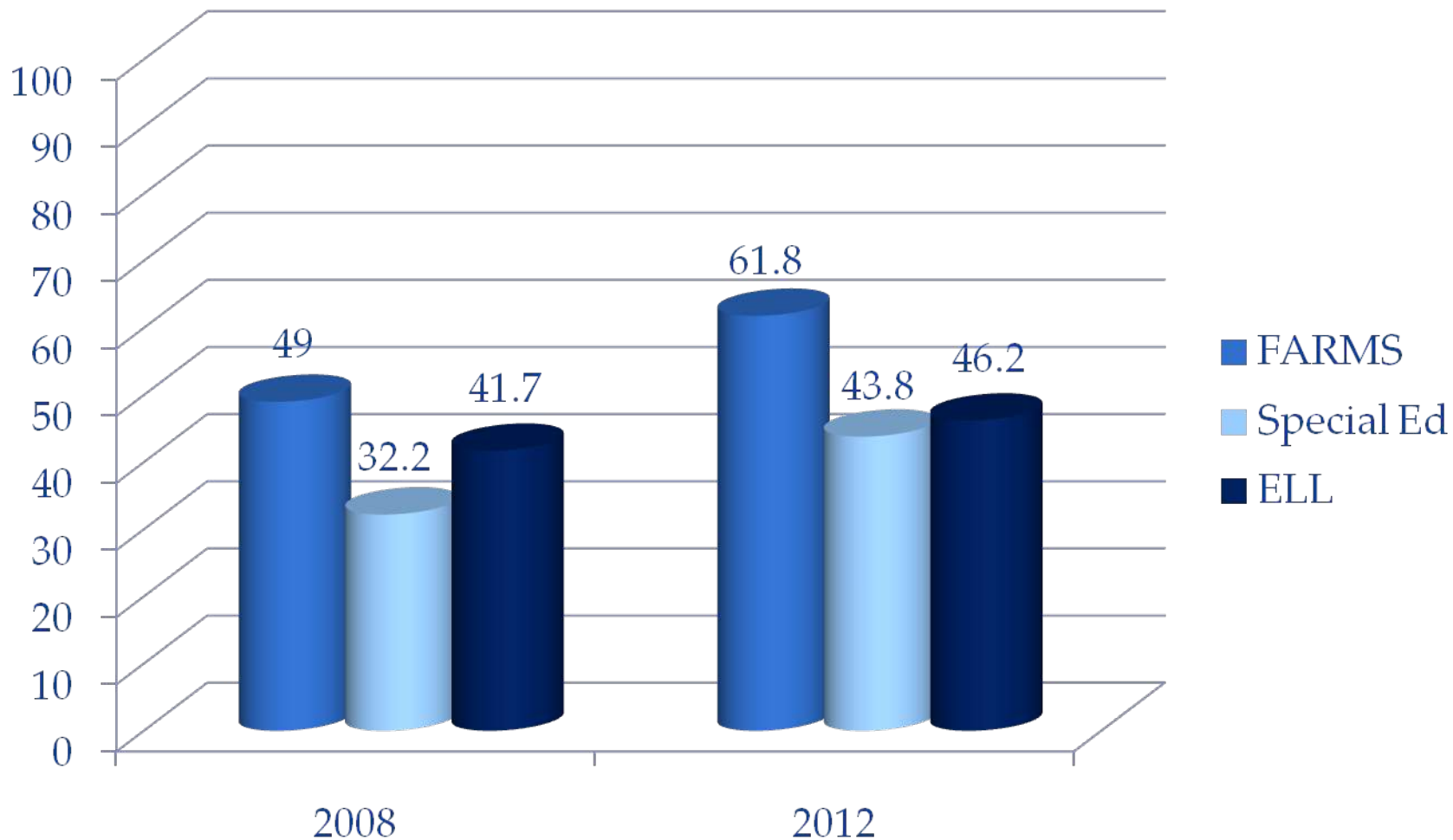
## Middle



# Elementary Mathematics Proficiency or Better: Special Services Subgroups



# Middle School Mathematics Proficiency or Better: Special Services Subgroups





# 2012 MSA: Subgroup Observations

- Effects of economy – growing FARMS population
- Growing ELL population
- New race codes – limit gap interpretations

# Subgroup Percentage of Tested Population - Reading

Subgroup	2008 Percentage	2012 Percentage	Change
FARMS	35.3	43.7	8.4
ELL	3.2	4.7	1.5
Special Education	11.5	11.3	-.2

## Vision for the Future: Common Core Standards

- Maryland is moving to a new Maryland State Curriculum based on Common Core Standards
  - Ensure students are college or career ready
  - Ensure competitiveness in a global economy
- Maryland will administer new Partnership for Assessment of Readiness of College and Careers (PARCC) assessments
- PARCC assessments will be implemented in 2014-2015

## Reminder: Websites Must be FERPA Compliant

- **FERPA:** Family Education Rights and Privacy Act
- Maryland continues improving compliance with **FERPA** in restrictions in the amount of data that will appear on the 2012 Maryland Report Card website
  - Significant data have to be suppressed to protect student privacy
- **Goal:** Preserve as much information as possible

State Board of Education

# Questions and Discussion