



Increasing Student Achievement Using Proven Methods: AAIMS 2010-11 Results and 3-Year Performance Summary

Reported to AAIMS Board of Directors September 6, 2011

What Research and Data Indicates

The Arkansas Advanced Initiative for Math and Science (AAIMS) is an agent of change focused on improving student achievement in math and science across the public school system in the state of Arkansas. AAIMS has laid the foundation of best practices in the public education sector by replicating a proven program of success in Advanced Placement math, science, and English (MSE)

AAIMS Results from the 2007-08 through 2010-11 school years show that AAIMS has:

- **Dramatically increase student achievement in rigorous math and science courses.**
- **Replicated a model that has worked for all students in all types of schools across Arkansas.**
- **Changed the culture of expectations.**
- **Made Arkansas public school students more competitive globally.**
- **Help close the achievement gap in math and science education by increasing participation and performance of traditionally underrepresented students.**

What Research and Data Indicates: AP Participation

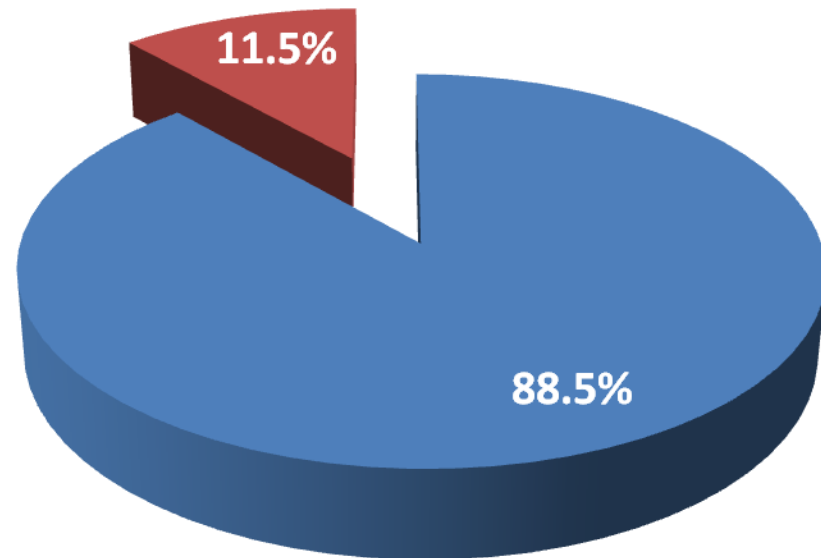
Students, *regardless* of ethnicity, gender, or socio-economic status on average, who experience the rigor of an Advanced Placement course while in high school and take the AP National Exam in May of each year:

- **Graduate from college at larger rates and on time**
- **Require less college remediation**
- **Have higher GPAs their freshman year of college**
- **Have greater opportunities to double major**
- **Earn more credits their freshman than students who do not experience an AP program while in high school**

AAIMS 2010-11 Participation and Performance Highlights- State Impact Data

AP MSE School Participation 2010-11

AAIMS had 31 program schools reporting students taking and/or receiving a Qualifying Score (QS) of 3 or greater in AP math, science, and English . The rest of Arkansas reported 238 public schools.

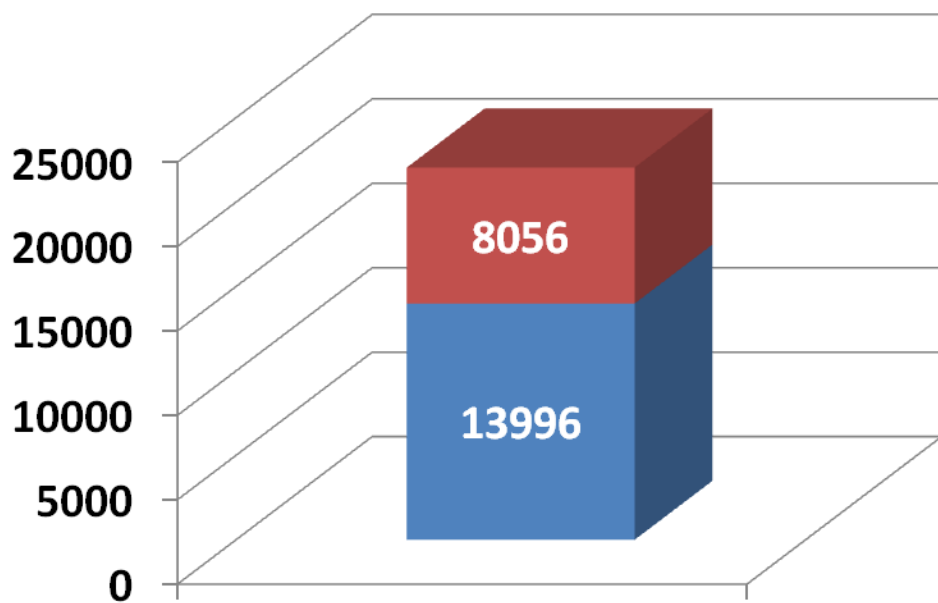


■ Arkansas ■ AAIMS



AAIMS 2010-11 Participation and Performance Highlights- State Impact Data-Taking AP MSE

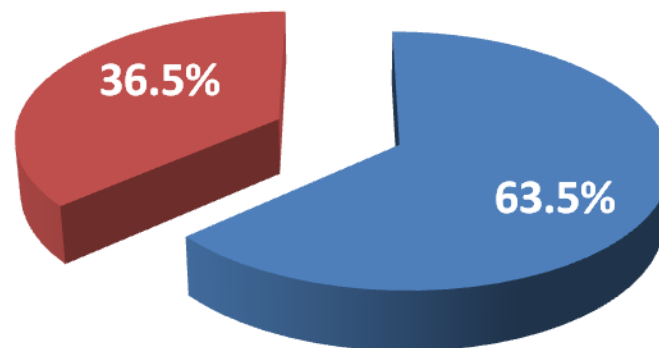
AAIMS schools account for only 11.5% of Arkansas public schools taking AP MSE, yet gave 8056 of the 22052 exams taken or 36.5% of the total!



MSE Exams Taken

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AP MSE % Total Take 2010-11

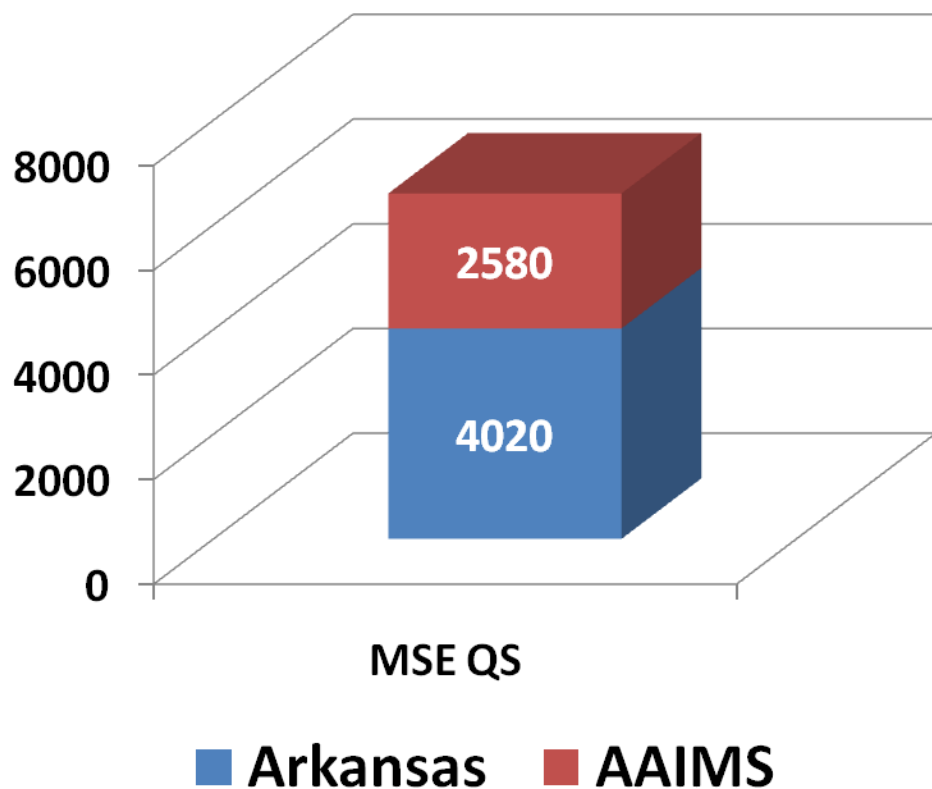


■ Arkansas ■ AAIMS

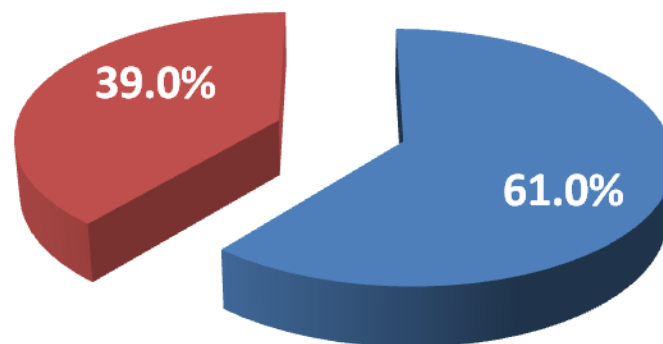


AAIMS 2010-11 Participation and Performance Highlights- State Impact Data- AP MSE Qualifying Scores (QS)

AAIMS schools account for only 11.5% of Arkansas public schools taking AP MSE, yet had 2580 of the 6600 QS or 39% of the total!

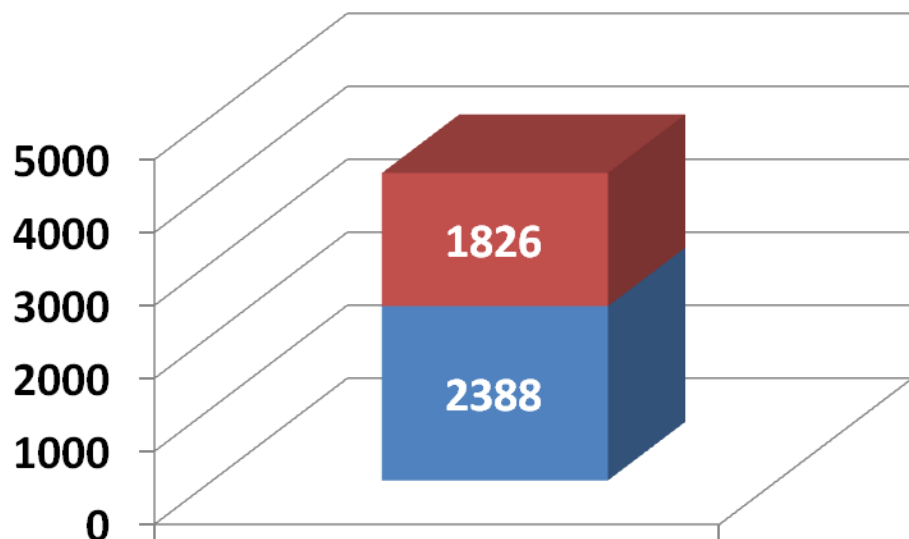


AP MSE % Total QS 2010-11



AAIMS 2010-11 Participation and Performance Highlights- State Impact Data- Minority* Taking AP MSE

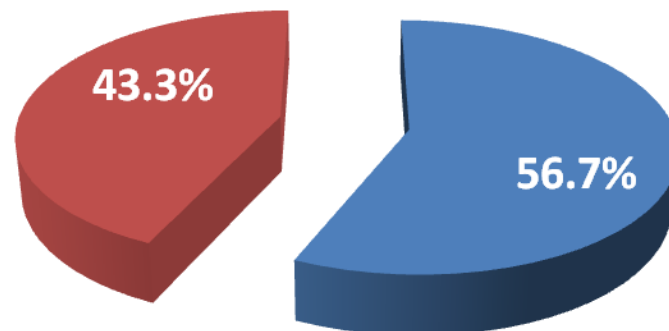
AAIMS program schools reported giving 1826 or 43.3% of the state's total AP MSE taken by minority students!



MSE Minority Exams Taken

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AP MSE % Total Take 2010-11
Minority

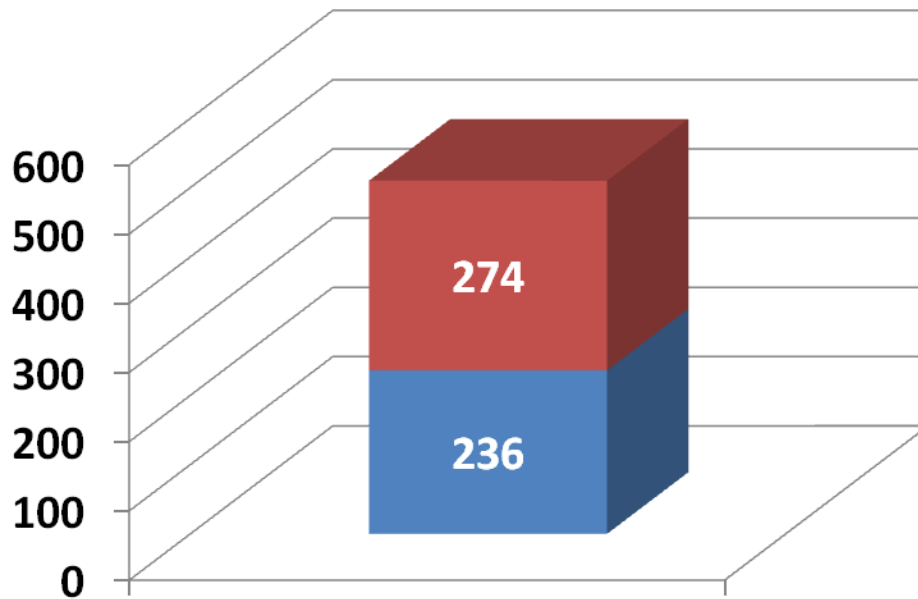


■ Arkansas ■ AAIMS



AAIMS 2010-11 Participation and Performance Highlights- State Impact Data- Minority AP MSE Qualifying Scores (QS)

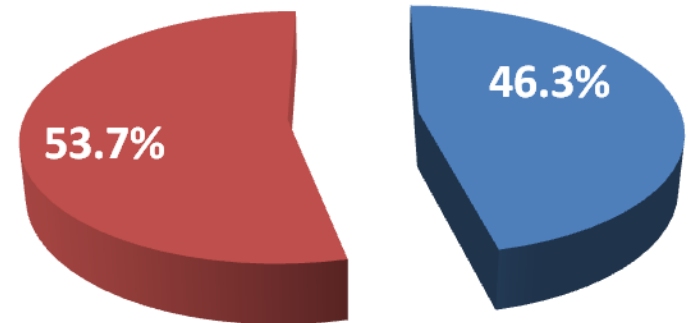
AAIMS program schools reported 274 or 53.7% of the state's total AP MSE QS by minority students!



MSE QS Minority

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AP MSE % Total QS 2010-11 Minority

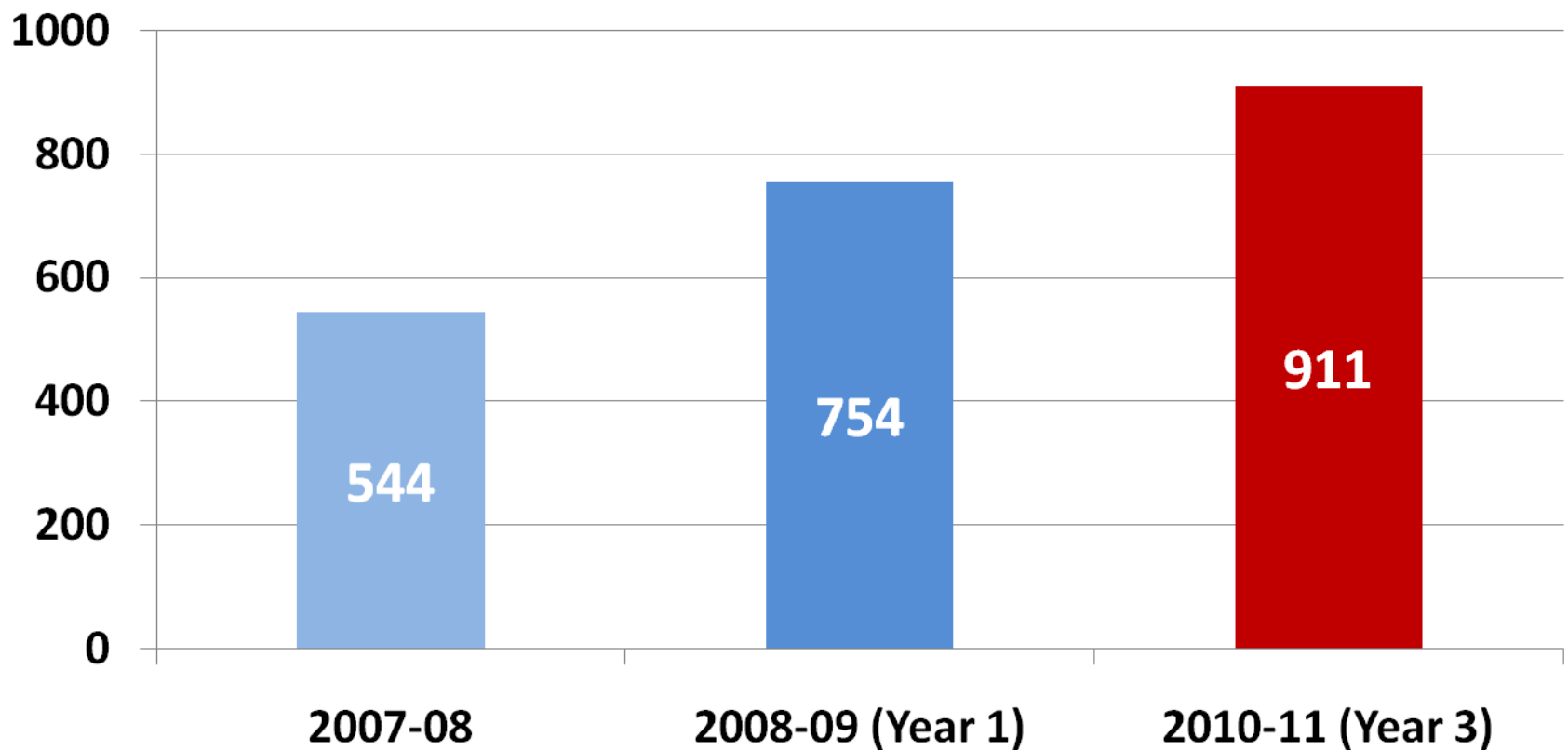


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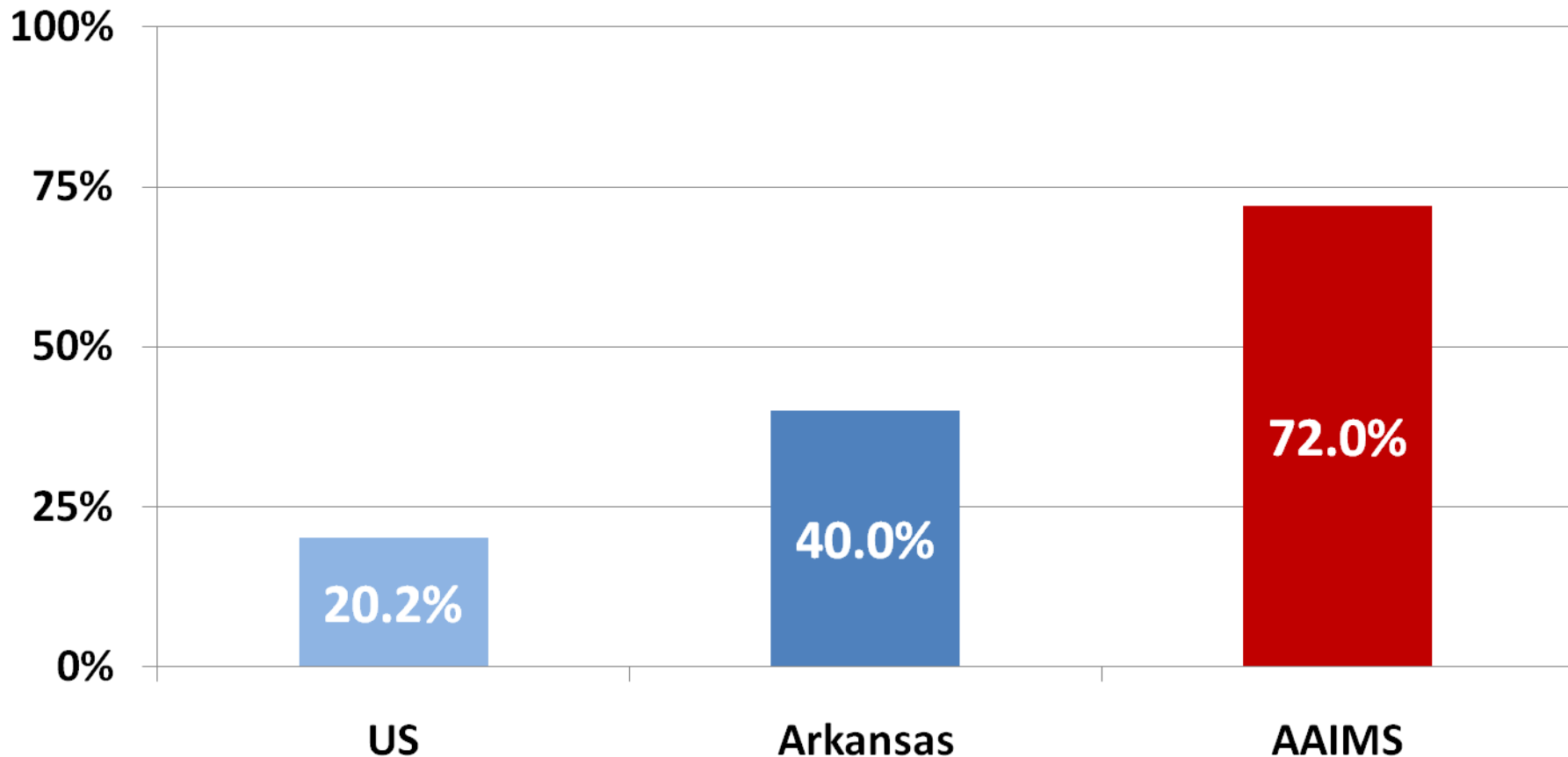
AAIMS Cohort 1: 3-Year Summary

AAIMS Students MSE Qualifying Scores
9 Cohort 1 Schools



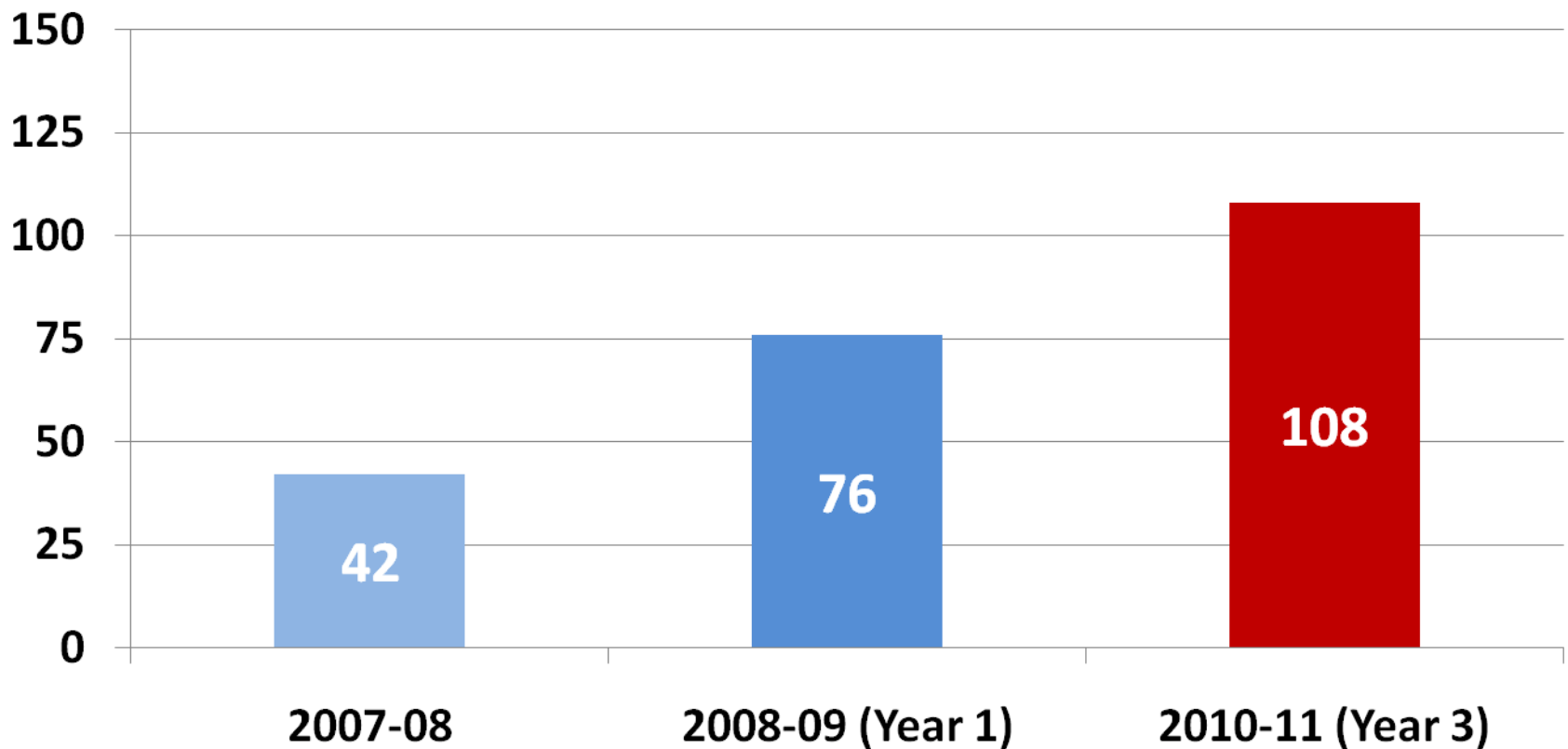
AAIMS Cohort 1: 3-Year Summary

AAIMS Students MSE Qualifying Scores- 9 Cohort 1 Schools 3-Year
US, Arkansas, and AAIMS Percent Increase 2008-2011



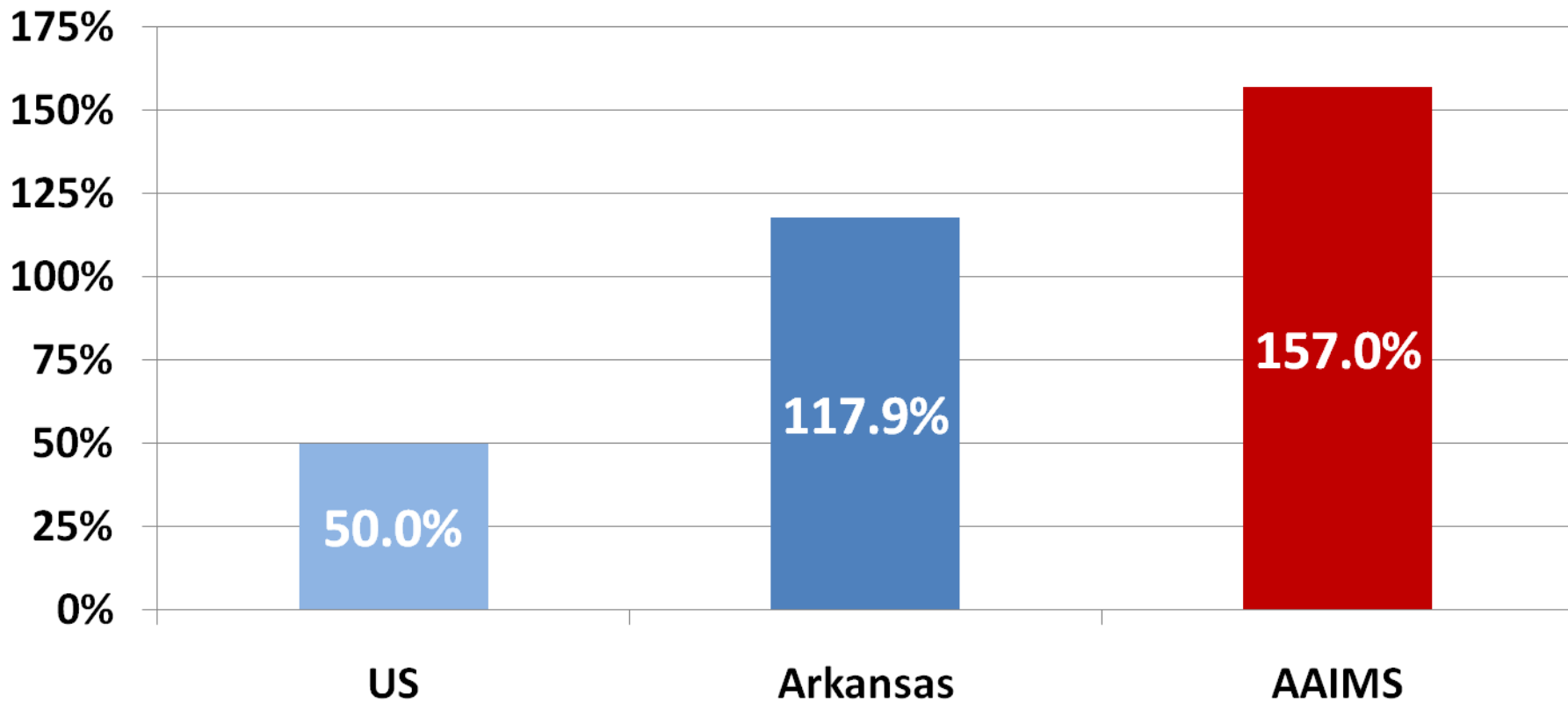
AAIMS Cohort 1: 3-Year Summary

AAIMS Minority Students MSE Qualifying Scores 9 Cohort 1 Schools



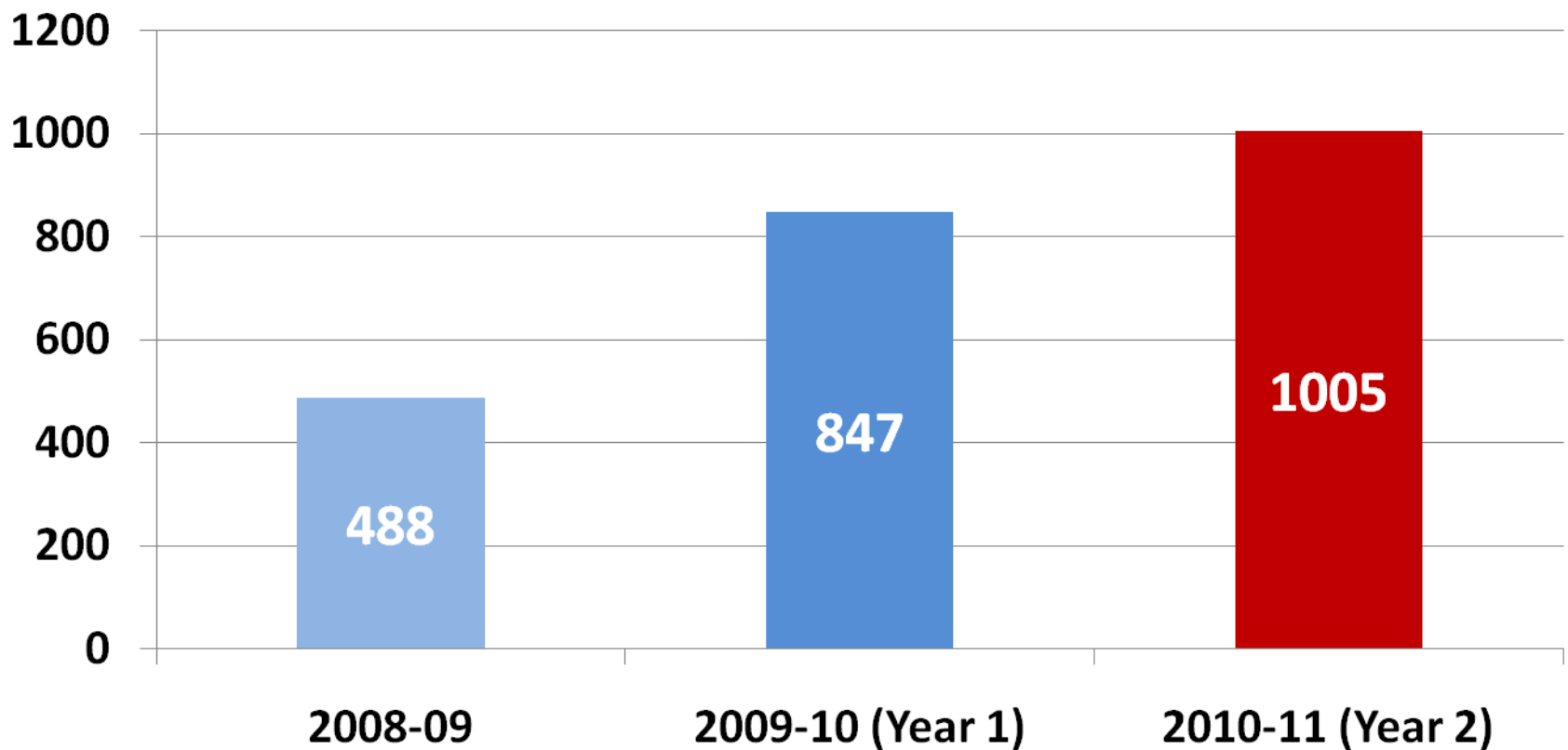
AAIMS Cohort 1: 3-Year Summary

**AAIMS Minority Students MSE Qualifying Scores
9 Cohort 1 Schools 3-Year US, Arkansas, and AAIMS Percent
Increase 2008-2011**



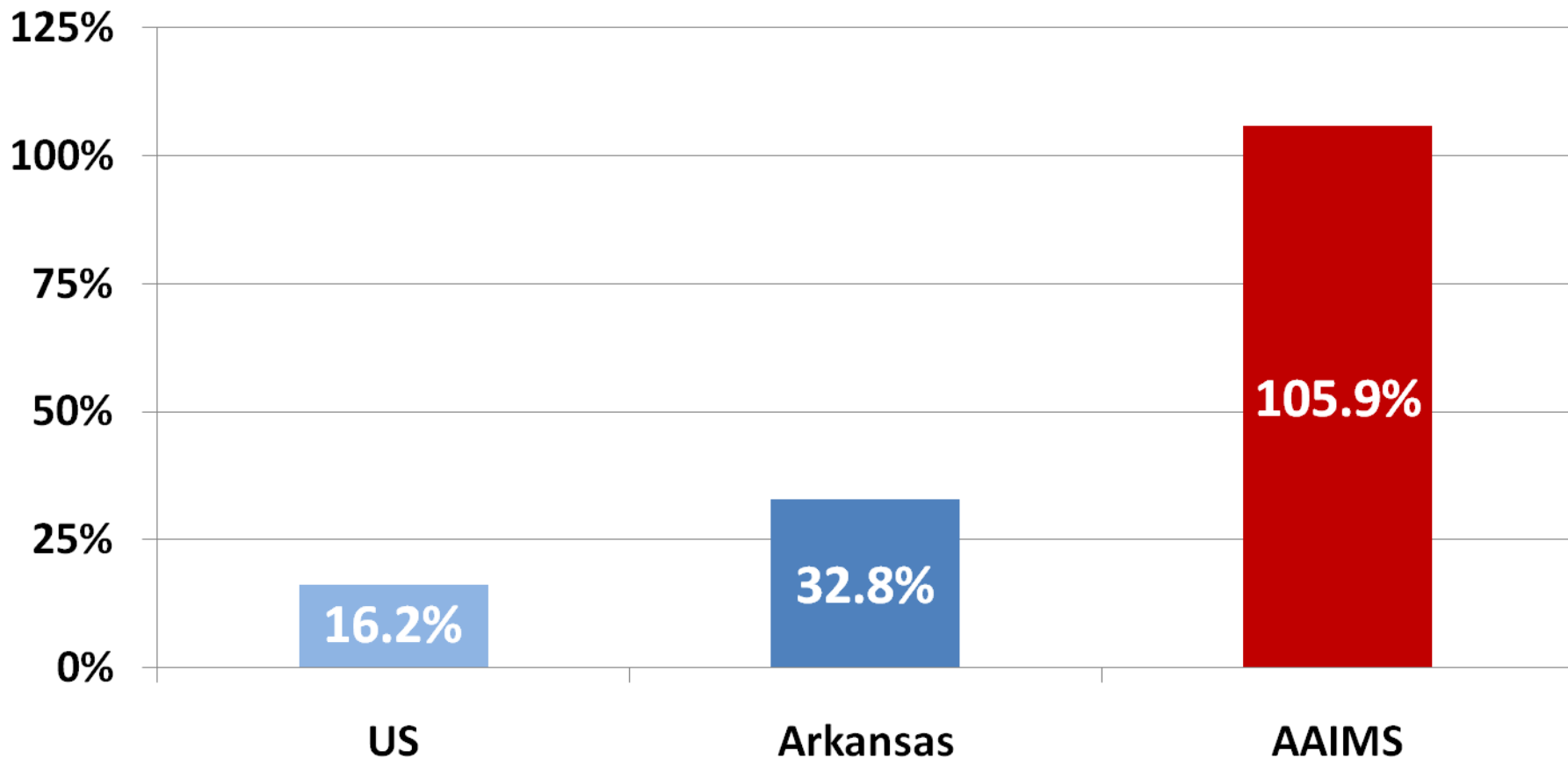
AAIMS Cohort 2: 2-Year Summary

AAIMS Students MSE Qualifying Scores
14 Cohort 2 Schools



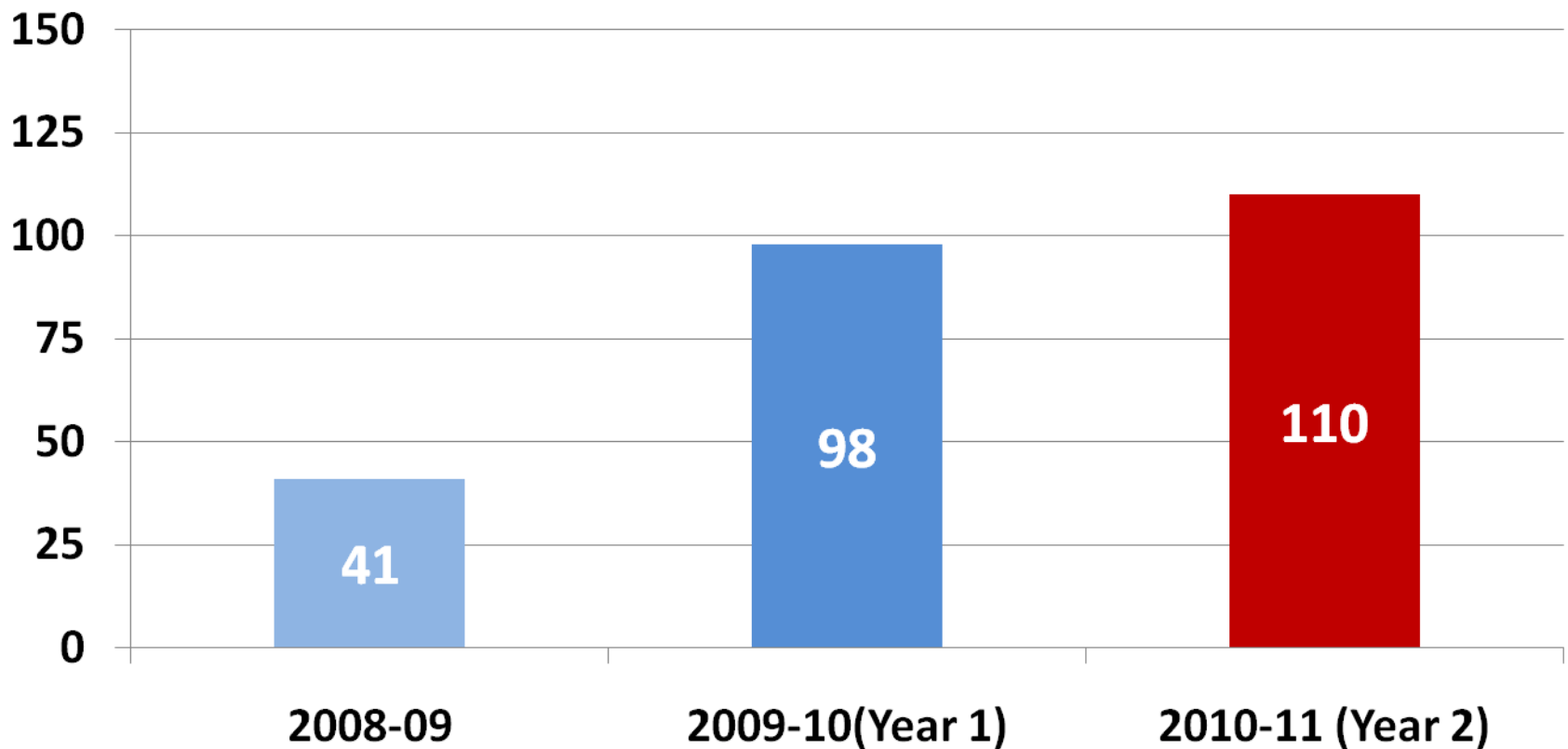
AAIMS Cohort 2: 2-Year Summary

AAIMS Students MSE Qualifying Scores- 14 Cohort 2 Schools
2-Year US, Arkansas, and AAIMS Percent Increase 2009-2011



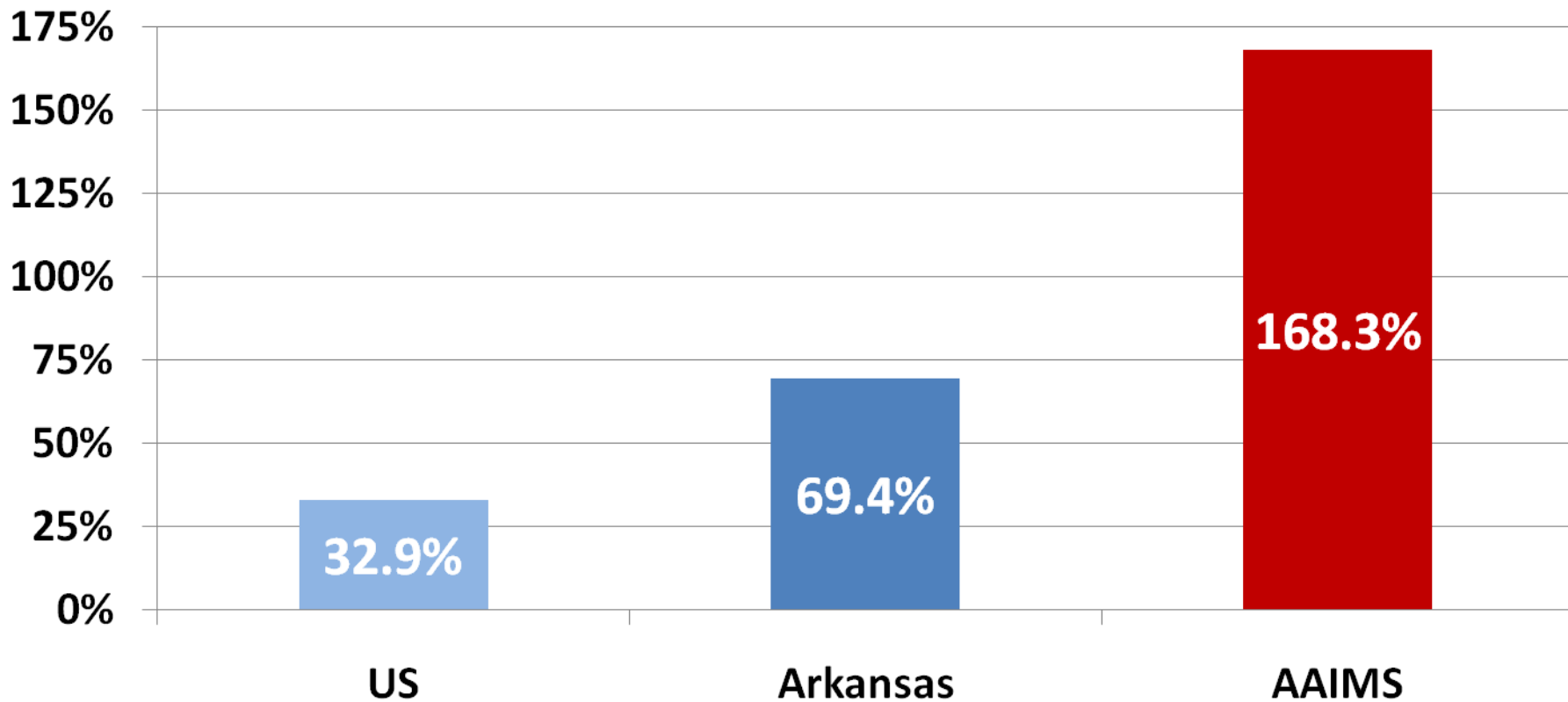
AAIMS Cohort 2: 2-Year Summary

AAIMS Minority Students MSE Qualifying Scores 14 Cohort 2 Schools



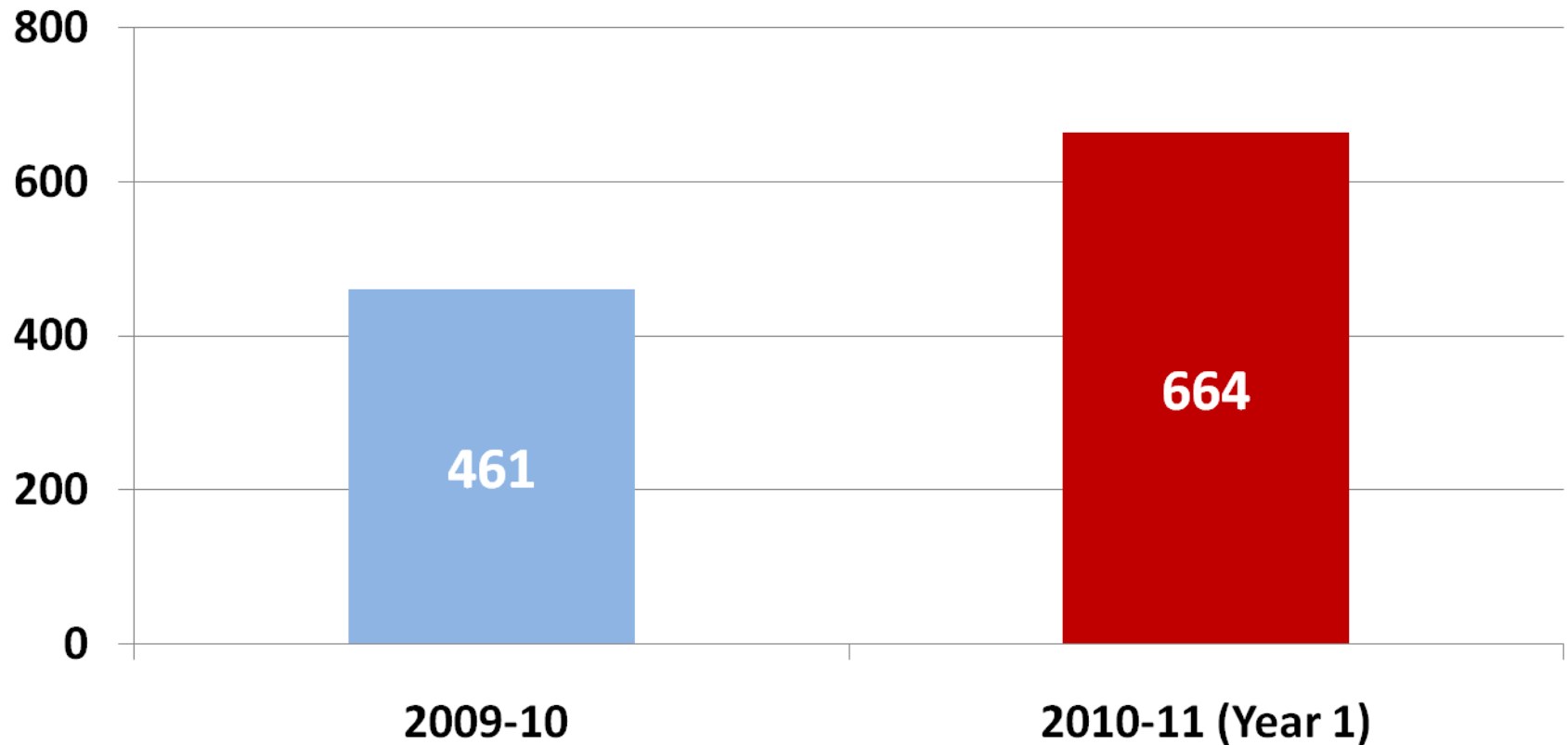
AAIMS Cohort 2: 2-Year Summary

**AAIMS Minority Students MSE Qualifying Scores
14 Cohort 2 Schools 2-Year US, Arkansas, and AAIMS Percent
Increase 2009-2011**



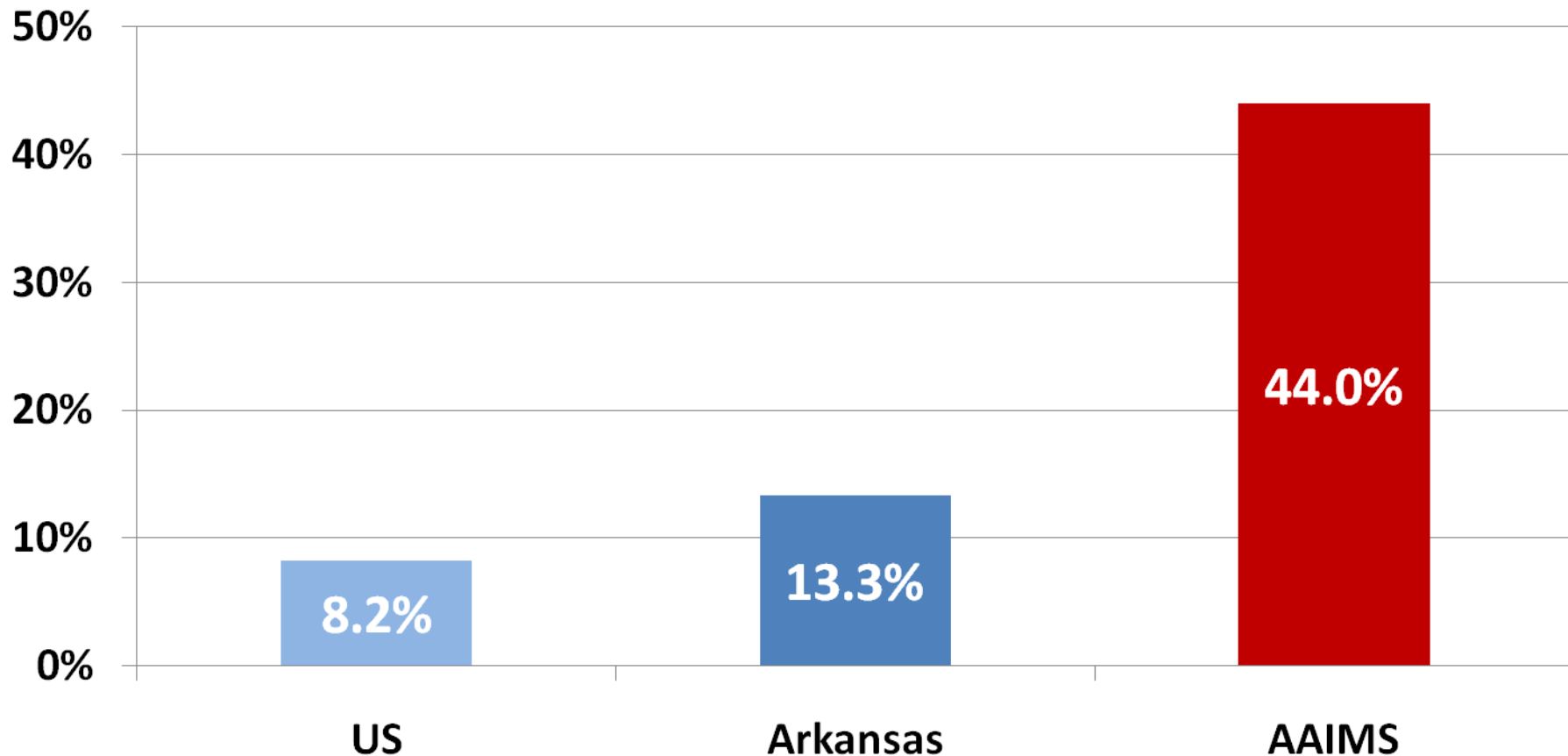
AAIMS Cohort 3: 1-Year Summary

AAIMS Students MSE Qualifying Scores
8 Cohort 3 Schools



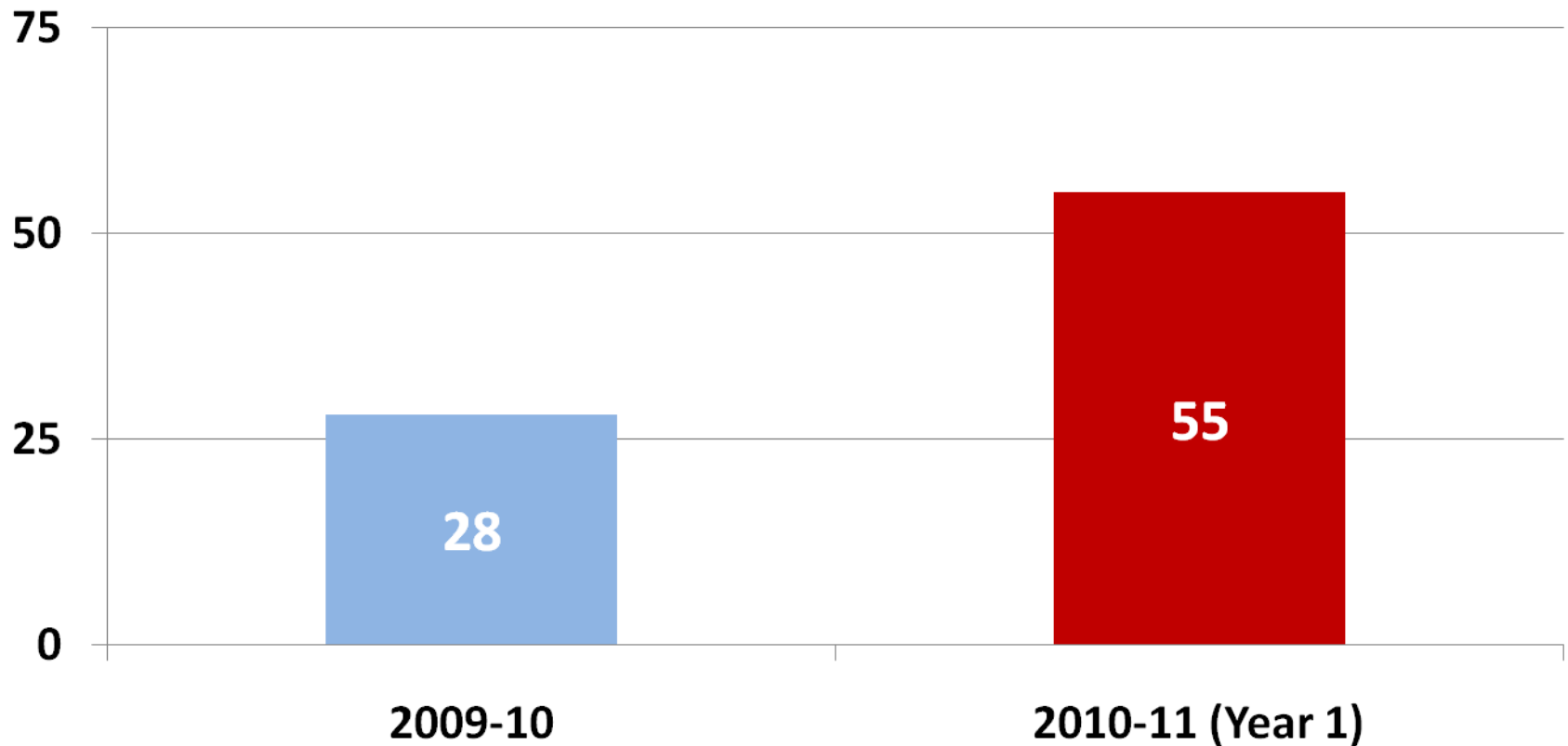
AAIMS Cohort 3: 1-Year Summary

AAIMS Students MSE Qualifying Scores- 8 Cohort 8 Schools
1-Year US, Arkansas, and AAIMS Percent Increase 2010-2011



AAIMS Cohort 3: 1-Year Summary

AAIMS Minority Students MSE Qualifying Scores 8 Cohort 3 Schools



AAIMS Cohort 3: 1-Year Summary

AAIMS Minority Students MSE Qualifying Scores
8 Cohort 3 Schools 1-Year US, Arkansas, and AAIMS Percent
Increase 2010-2011

