

How did Idaho students perform in the Obama years when compared with their peers nationwide?

All Students – White Students - Hispanic Students

NAEP Reading and Mathematics
Percentile Ranks, 2009-2017
Grades 4 and 8



NOTES:

[1] **Percentile Rank.** Idaho fourth graders, for example, had a percentile rank of 53.6 on the NAEP 2017 reading test. This means that the average Idaho fourth grade student in 2017 scored higher in reading than 53.6 percent of his peers in the national norm group. The fourth grade reading norm group included all of the fourth graders in the nation's public schools participating in the NAEP 2009 reading test.

[2] **National Norms.** In 2009, national norms were computed for three demographic groups: all students, White students and Hispanic students. The "norm group" in each of the demographic group's subject/grade graphs is represented by the black diamond with a percentile rank of 50.

[3] **Apparent differences** in percentile ranks may not be statistically significant. No statistical testing was performed.

[4] **Simpson's Paradox** suggests the whole does not necessarily look like the sum of its parts. When "all students" results are reported, Idaho typically scores near the middle of the nation or slightly above. When results from White or Hispanic students are reported, Idaho students typically trail their national peers. This paradox is clearly observed in Idaho's NAEP results through the NCLB years.

**Idaho vs. National Public
NAEP 2009-2017**

ALL STUDENTS

Percentile Ranks for All Students

Grade 4 Reading

Grade 8 Reading

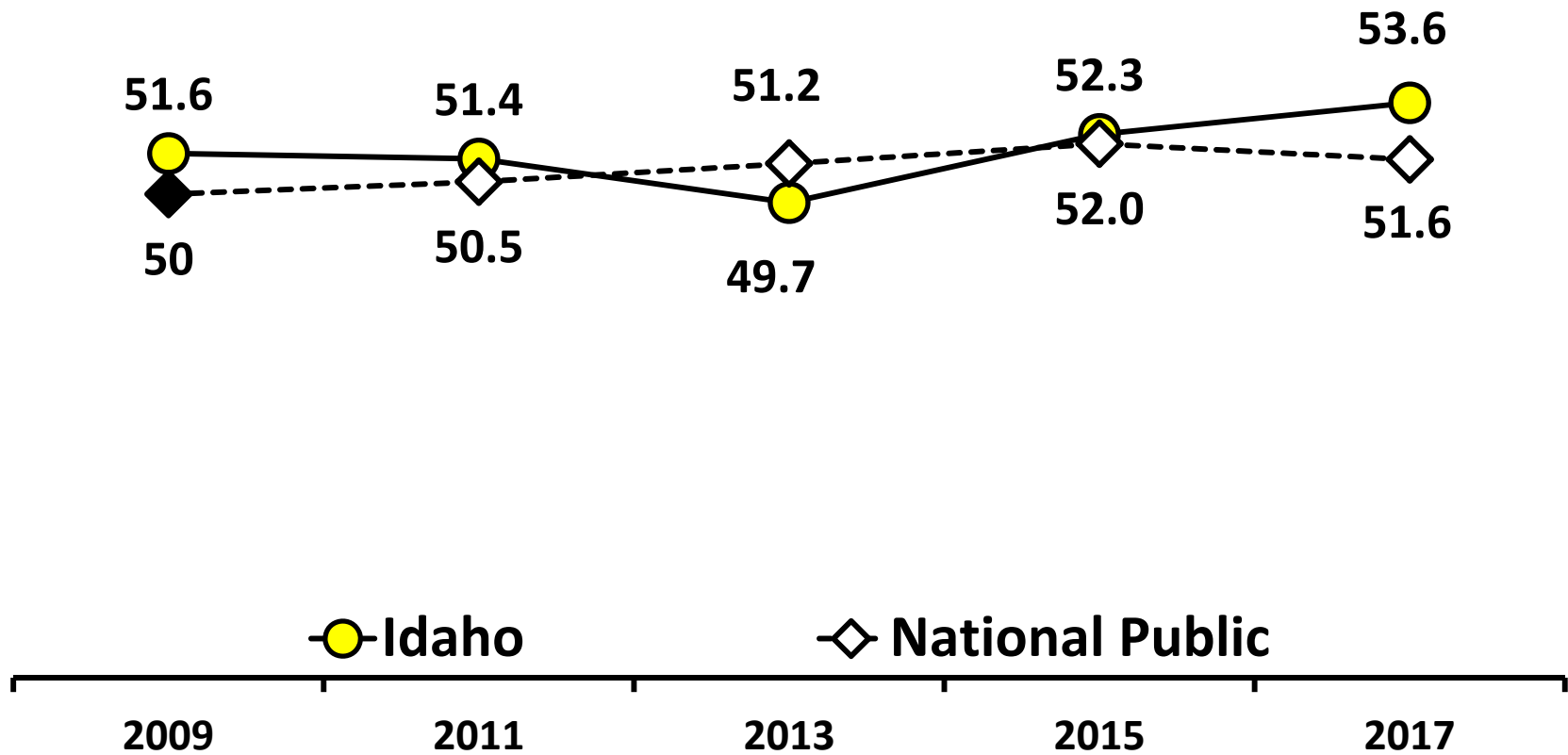
Grade 4 Mathematics

Grade 8 Mathematics

NAEP Reading, Grade 4, 2009-2017

Percentile Ranks (Public School Norm 2009)

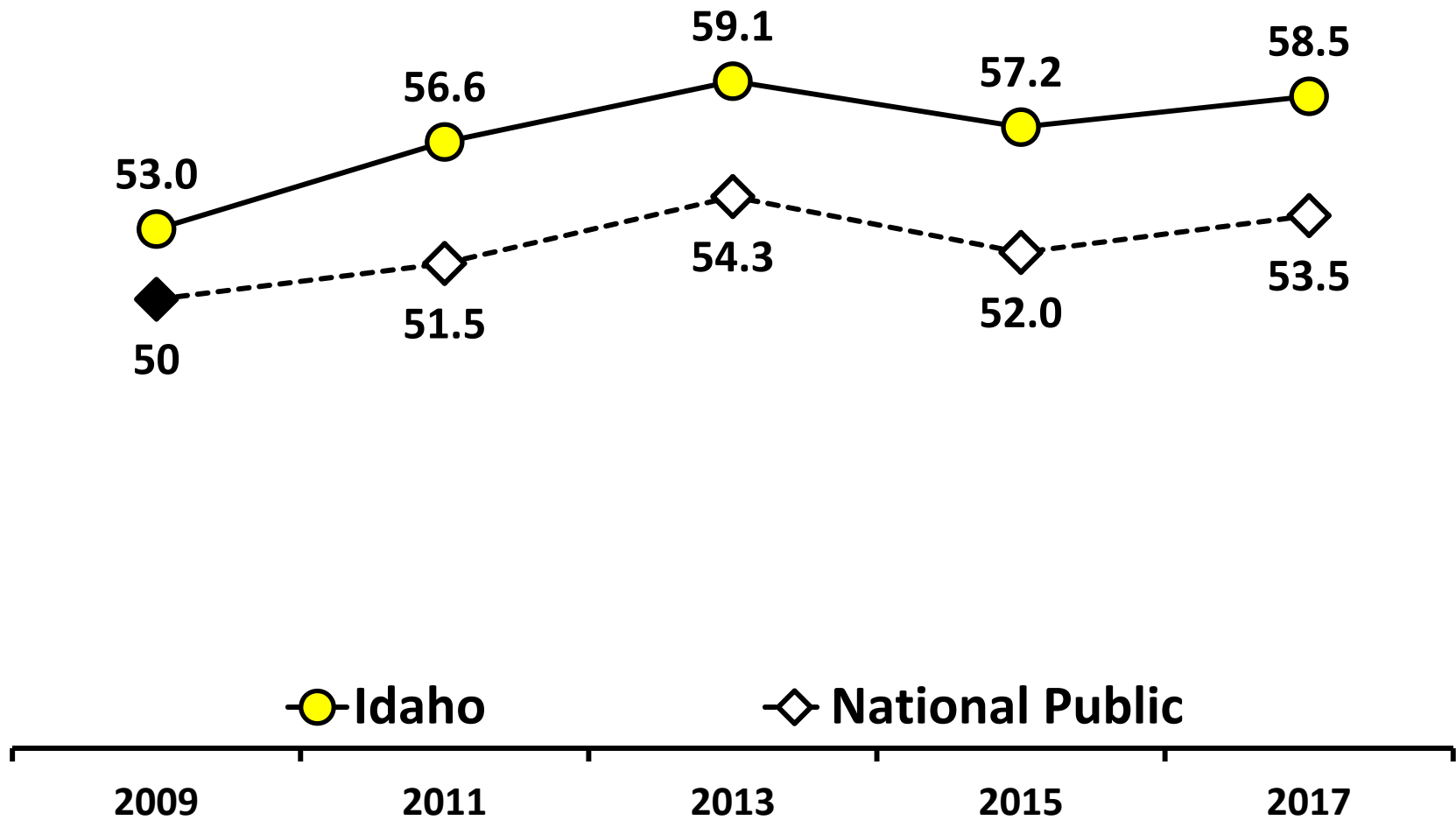
All Students



NAEP Reading, Grade 8, 2009-2017

Percentile Ranks (Public School Norm 2009)

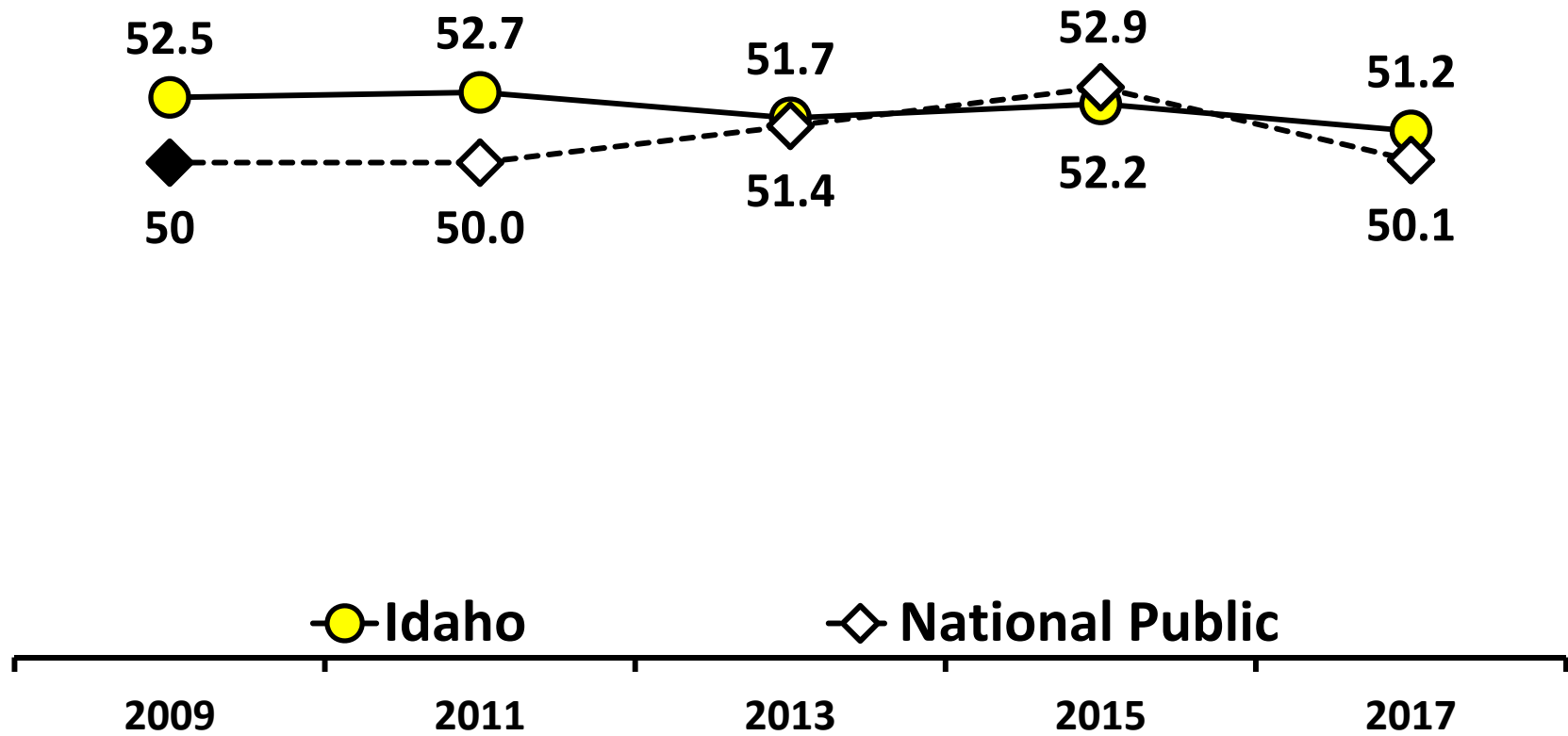
All Students



NAEP Mathematics, Grade 4, 2009-2017

Percentile Ranks (Public School Norm 2009)

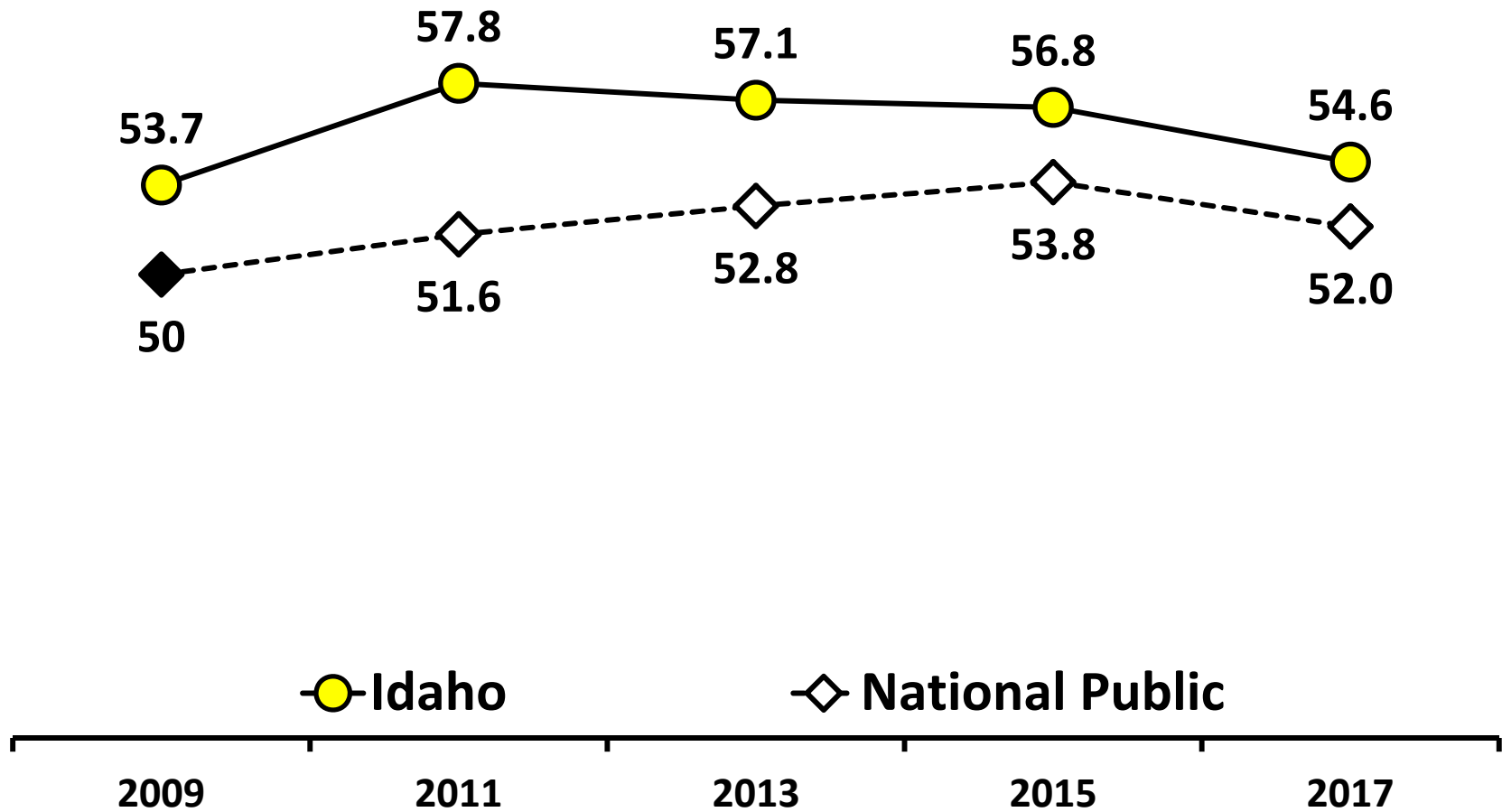
All Students



NAEP Mathematics, Grade 8, 2009-2017

Percentile Ranks (Public School Norm 2009)

All Students



**Idaho vs. National Public
NAEP 2009-2017**

WHITE STUDENTS

Percentile Ranks for White Students

Grade 4 Reading

Grade 8 Reading

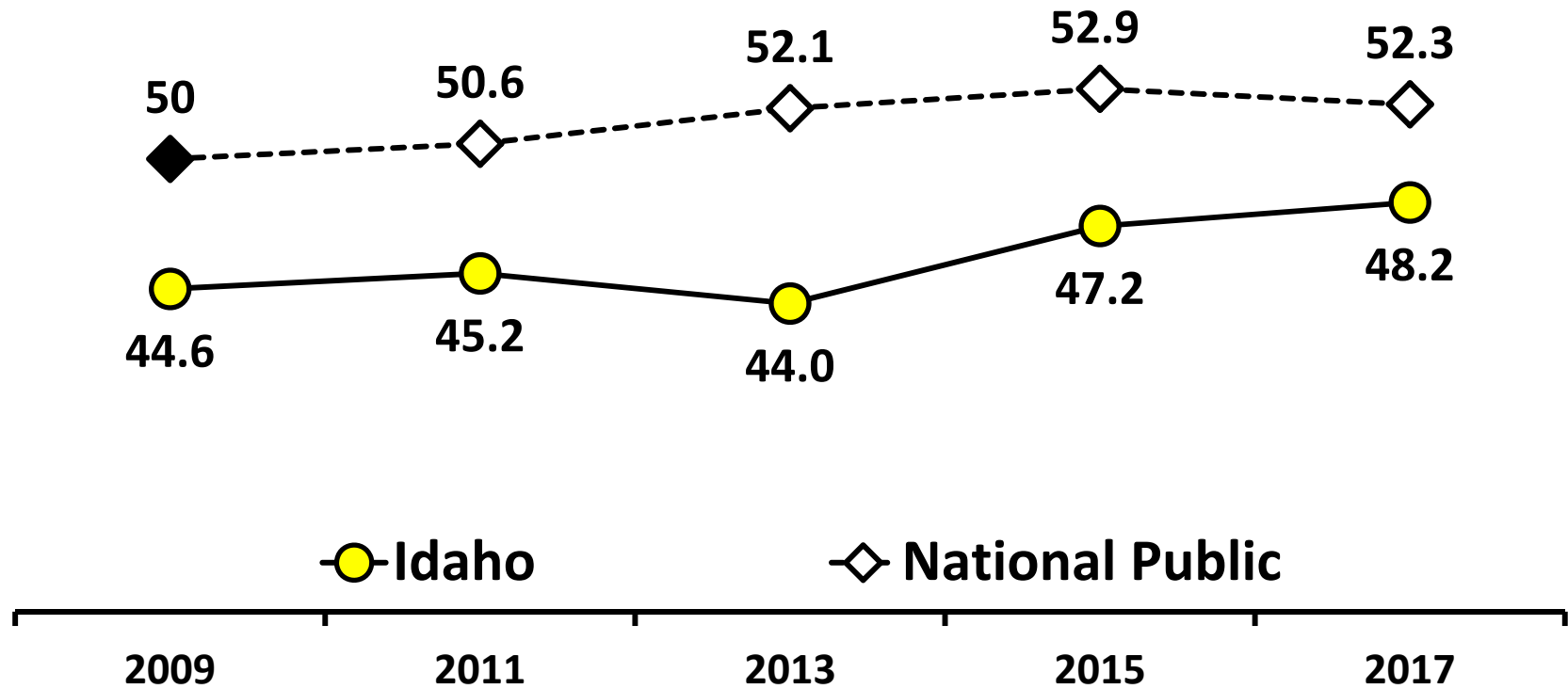
Grade 4 Mathematics

Grade 8 Mathematics

NAEP Reading, Grade 4, 2009-2017

Percentile Ranks (National Public Norm 2009)

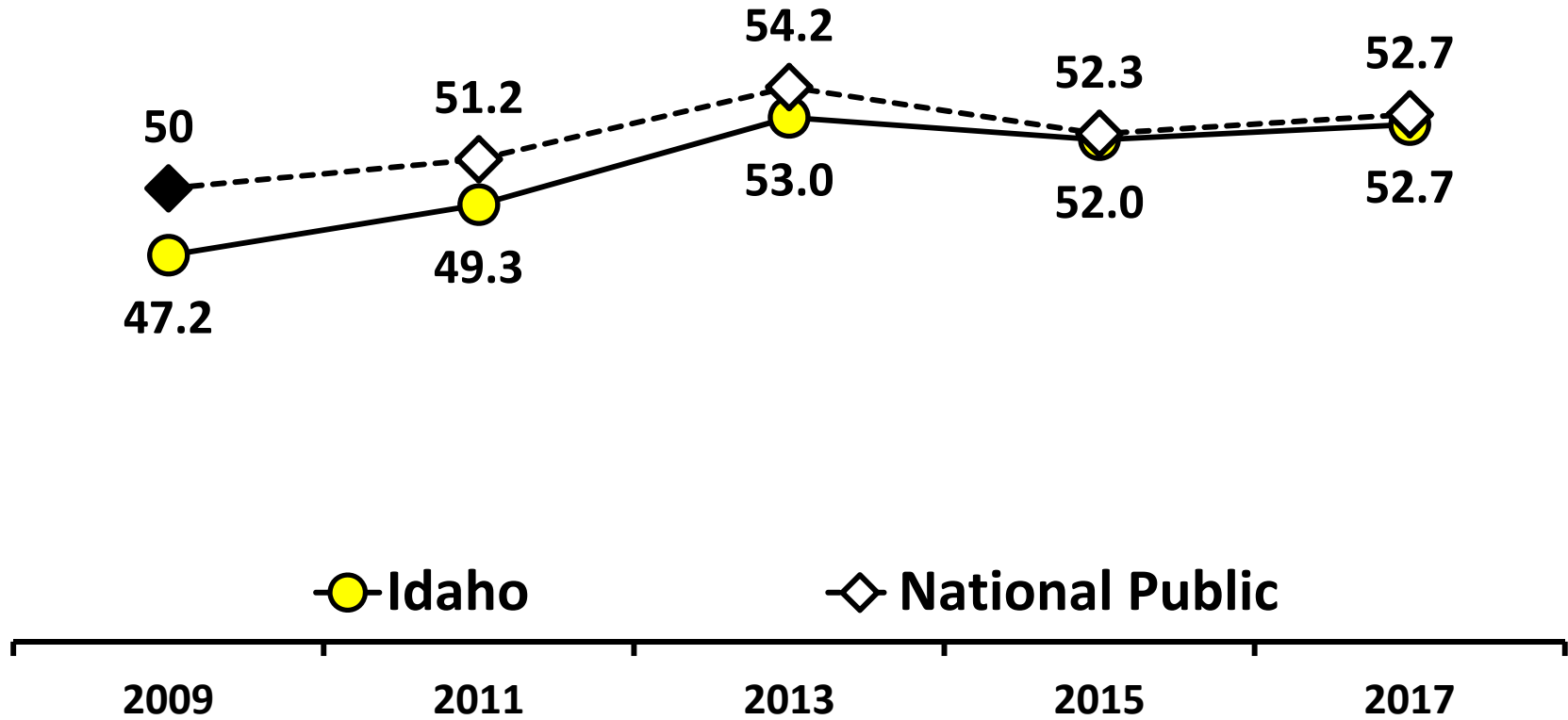
White Students



NAEP Reading, Grade 8, 2009-2017

Percentile Ranks (National Public Norm 2009)

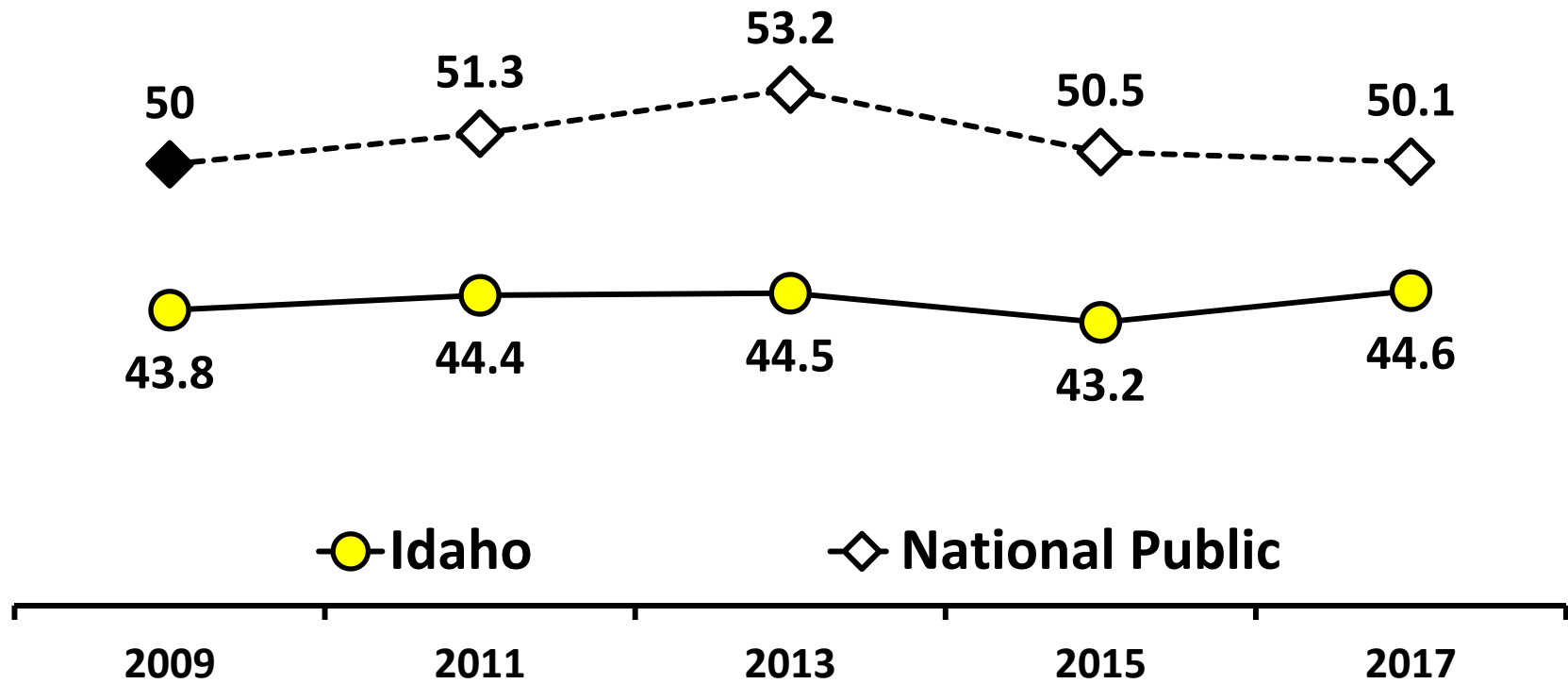
White Students



NAEP Mathematics, Grade 4, 2009-2017

Percentile Ranks (National Public Norm 2009)

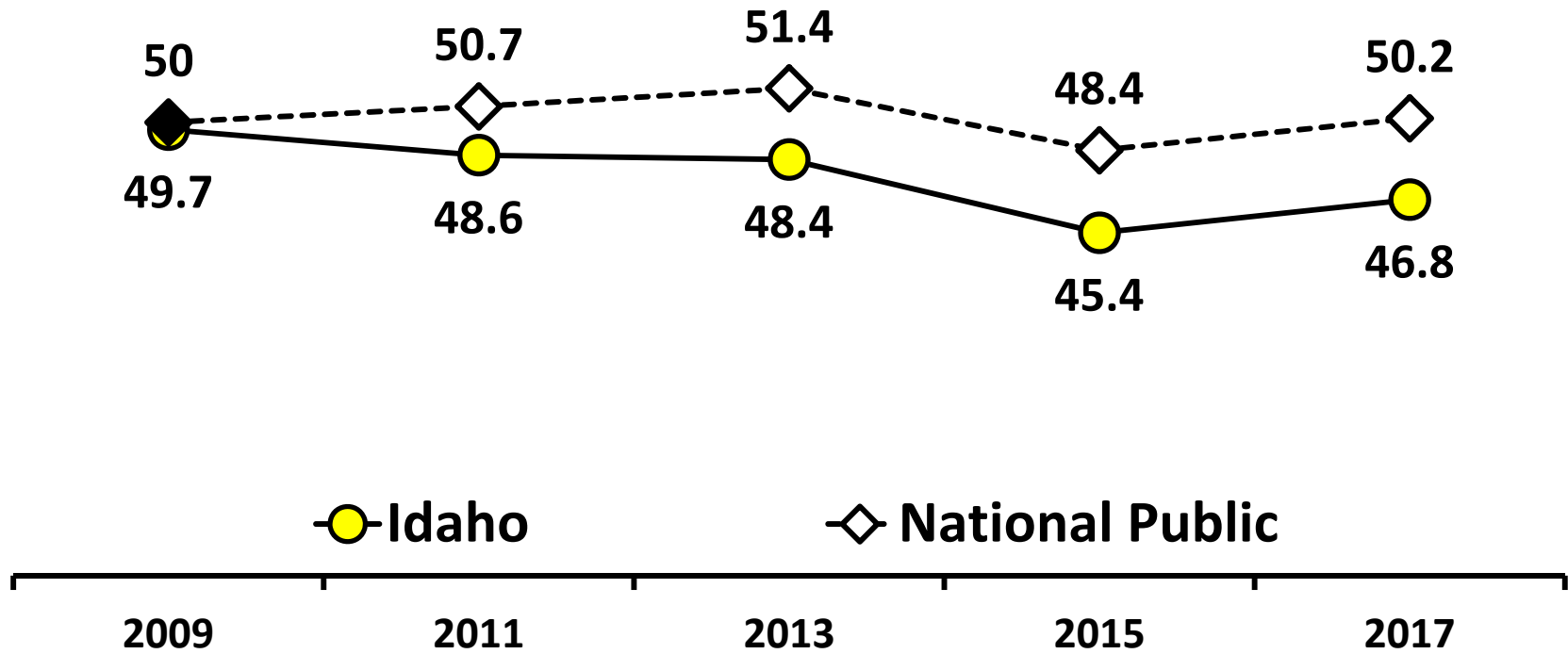
White Students



NAEP Mathematics, Grade 8, 2009-2017

Percentile Ranks (National Public Norm 2009)

White Students



**Idaho vs. National Public
NAEP 2009-2017**

HISPANIC STUDENTS

Percentile Ranks for Hispanic Students

Grade 4 Reading

Grade 8 Reading

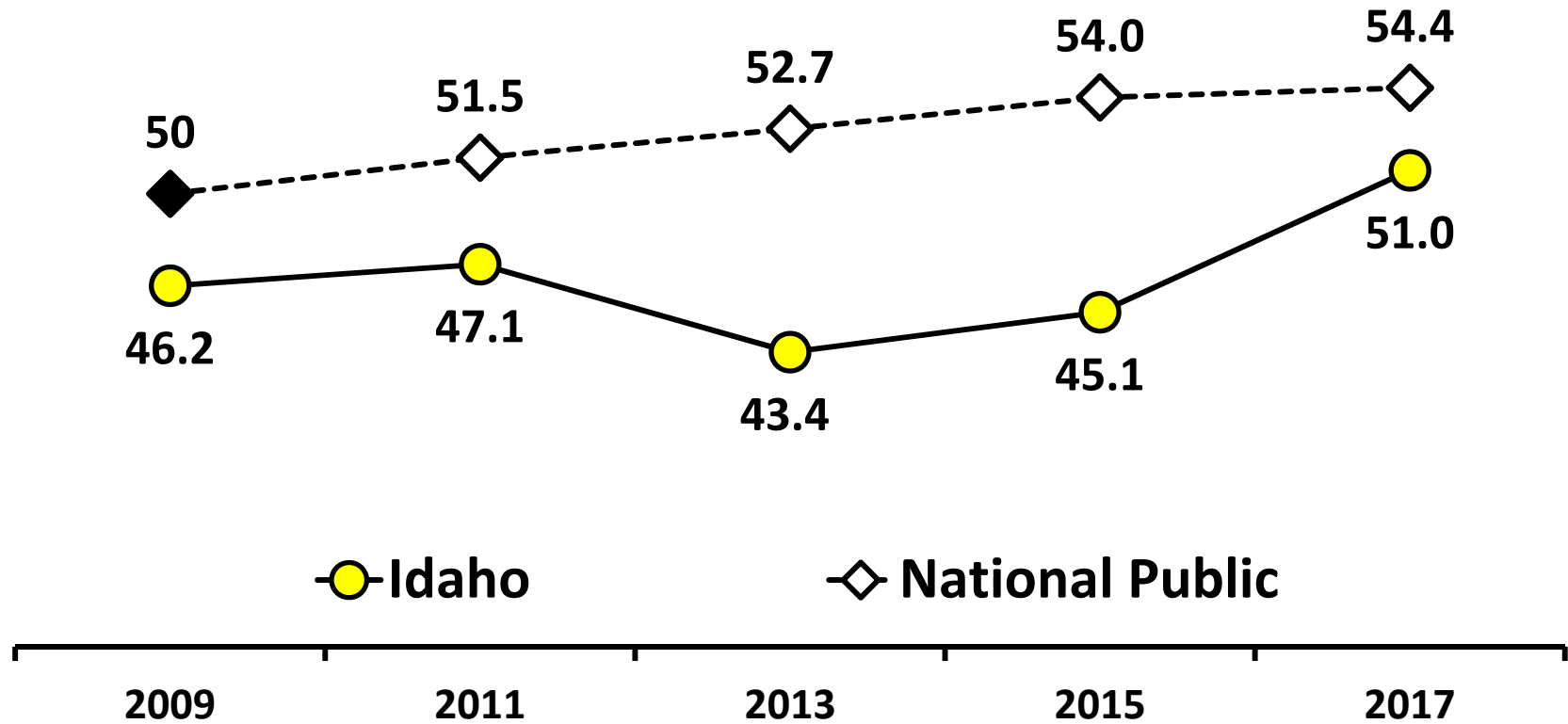
Grade 4 Mathematics

Grade 8 Mathematics

NAEP Reading, Grade 4, 2009-2017

Percentile Ranks (Public School Norm 2009)

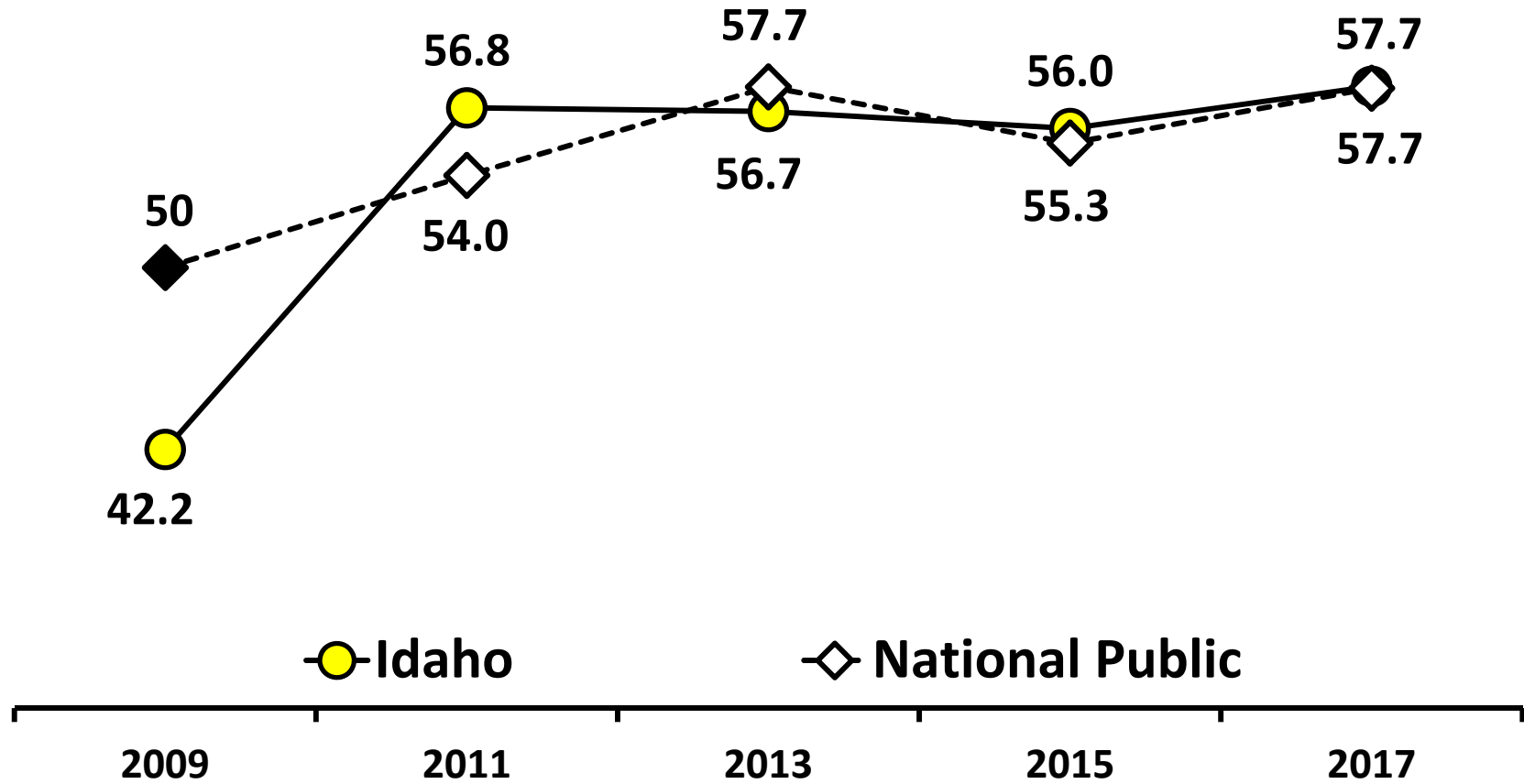
Hispanic Students



NAEP Reading, Grade 8, 2009-2017

Percentile Ranks (Public School Norm 2009)

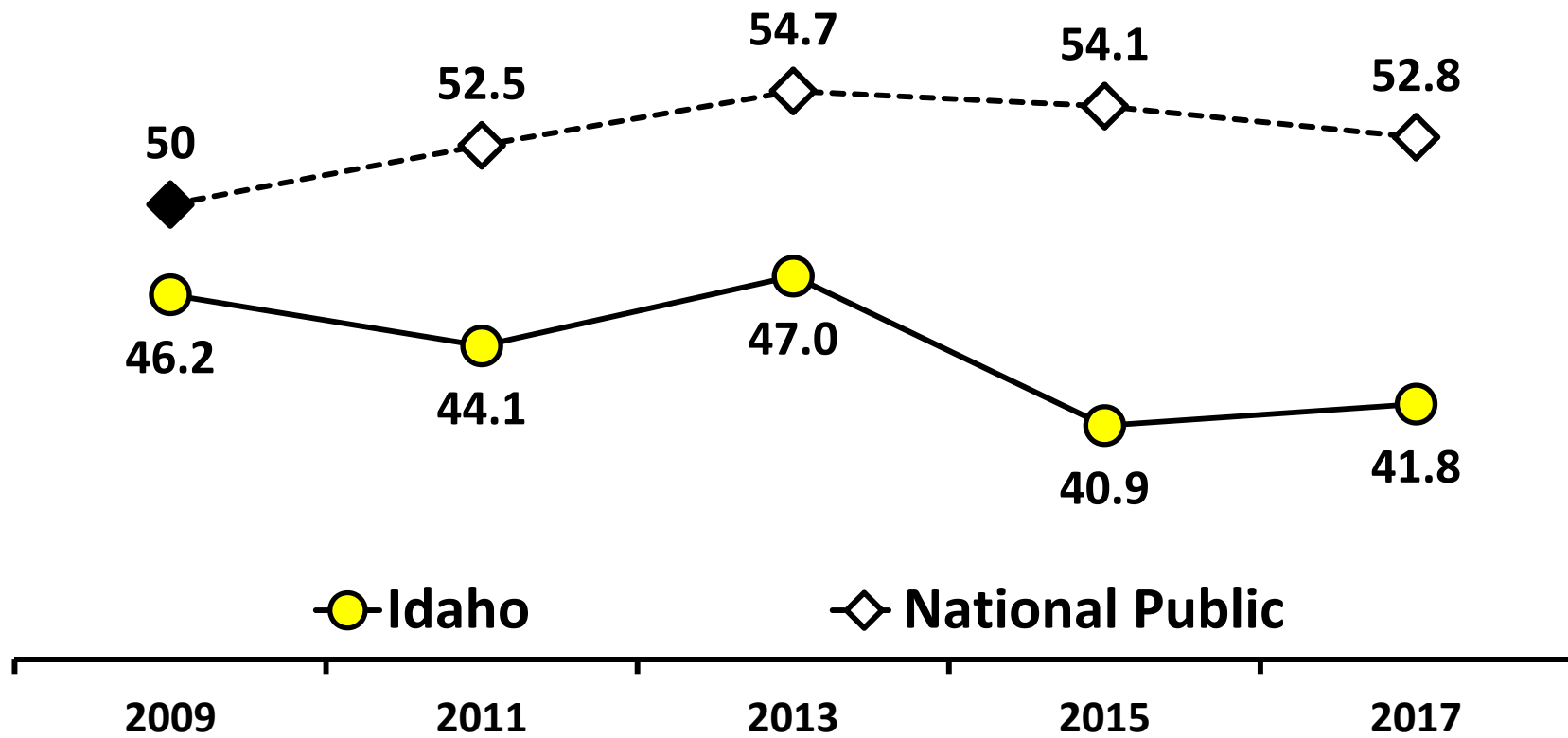
Hispanic Students



NAEP Mathematics, Grade 4, 2009-2017

Percentile Ranks (National Public Norm 2009)

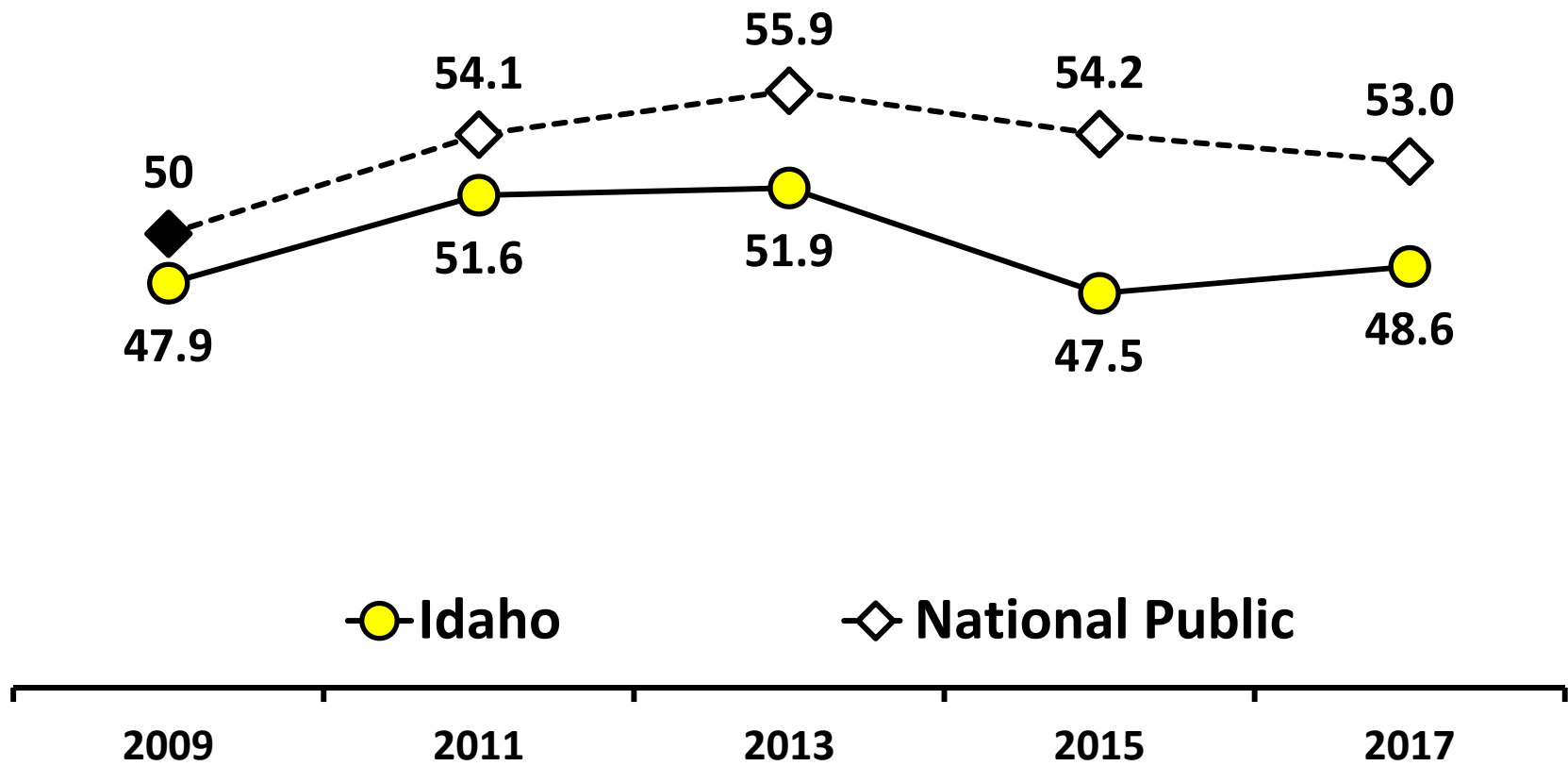
Hispanic Students



NAEP Mathematics, Grade 8, 2009-2017

Percentile Ranks (National Public Norm 2009)

Hispanic Students



This presentation prepared as a public service for the educators,
parents and patrons who make public education a reality in Idaho.

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