

# National Assessment of Educational Progress (NAEP) 2017 Results

April 25, 2018

# About 2017 NAEP Results

## **ABOUT THE TEST**

The National Assessment of Educational Progress is a test that monitors how student achievement changes over time and across states. NAEP has been administered in states since 1990, though not all 50 states participated consistently in NAEP until 2003.

## **ABOUT THESE SLIDES**

- Years of data availability vary by data point.
- Detail may not sum to totals because of rounding.
- In certain years, NAEP reported two sets of scores—one for tests with accommodations, and another score for tests without accommodations. In those cases, we used the scores for the tests administered with accommodations.
- For national comparisons, we use NAEP's sample of national public schools. We do so for two reasons:
  1. Our work is focused on public education, and
  2. National public schools provide the best comparison for state and district scores, which only include public schools.

# Results: California in Comparison to National Landscape

# 2017 Rankings – California compared to the Nation

## Context and Key Insights:

**California continues to perform near the bottom.** Across the country, California ranked:

	2015 Ranking	2017 Ranking
Grade 4 – Reading	49 <sup>th</sup>	43 <sup>rd</sup>
Grade 4 – Math	48 <sup>th</sup>	45 <sup>th</sup>
Grade 8 – Reading	44 <sup>th</sup>	37 <sup>th</sup>
Grade 8 – Math	41 <sup>st</sup>	41 <sup>st</sup>

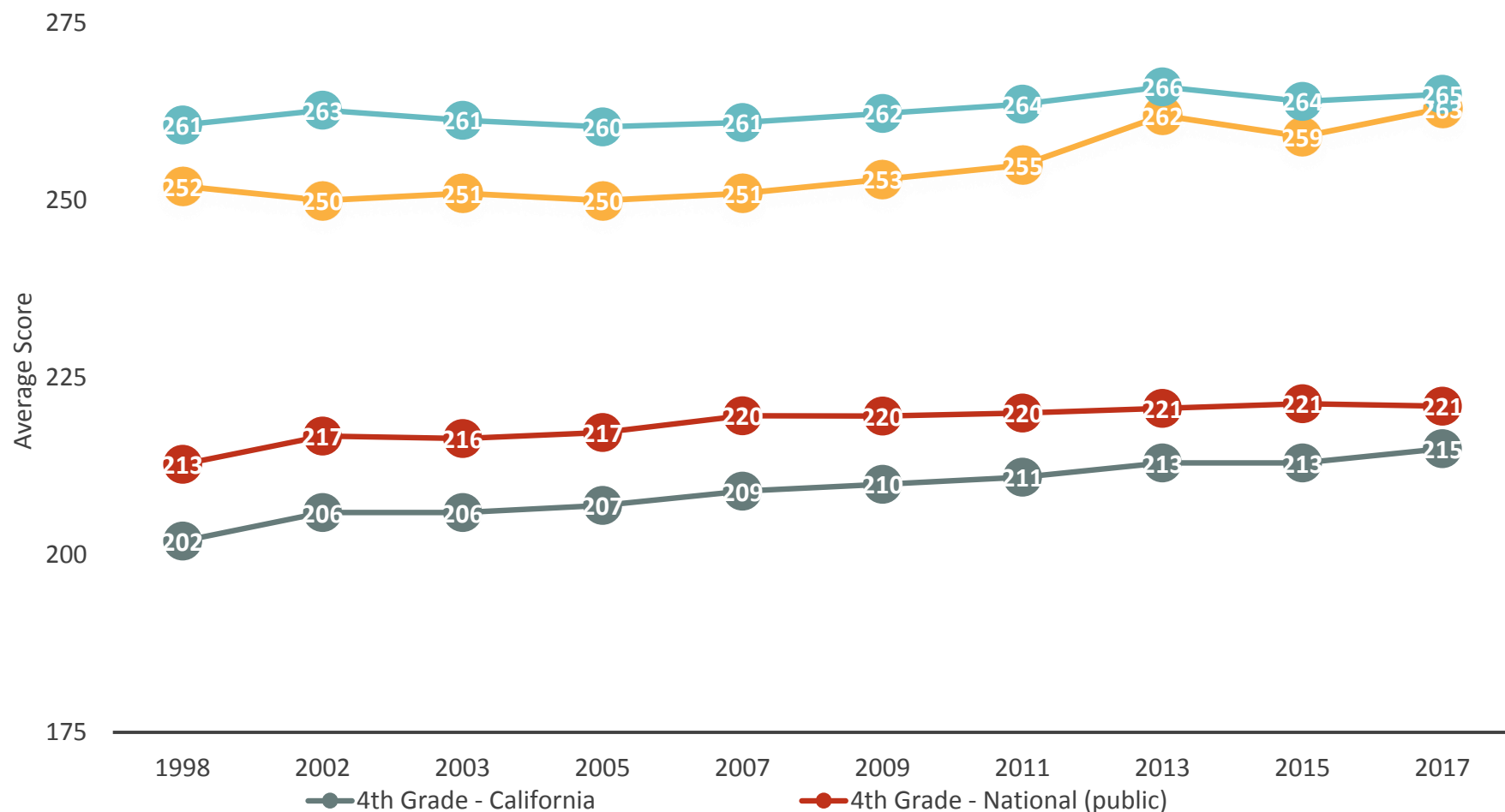
**However, California has made some improvement.**

- With the exception of Grade 8 –math, California improved its overall student national ranking from 2015.
- The largest improvement was in 8<sup>th</sup> grade reading where California improved from 44<sup>th</sup> to 37<sup>th</sup>.

**California’s average test score improvement from 2015 to 2017 was greater than that of the national public school average for all tests.**

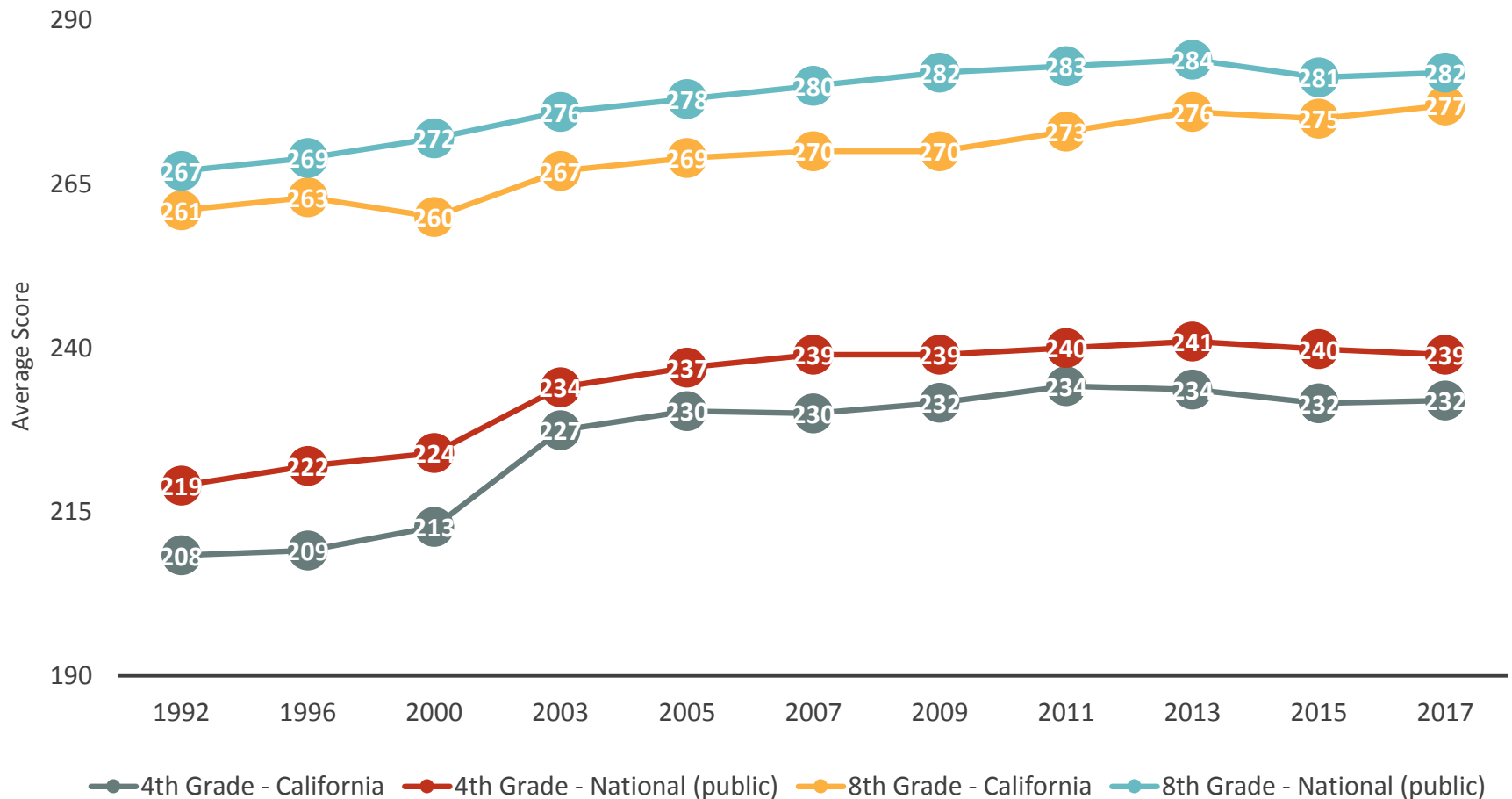
- The largest improvement was in 4<sup>th</sup> grade reading where California’s average test score increased by 4 points, compared to only a 1 point increase nationwide.
- Even with this improvement, California’s average scores remain below the national average for all test.

# 2017 Achievement on NAEP 4<sup>th</sup> and 8<sup>th</sup> Grade Reading, California vs. Nation



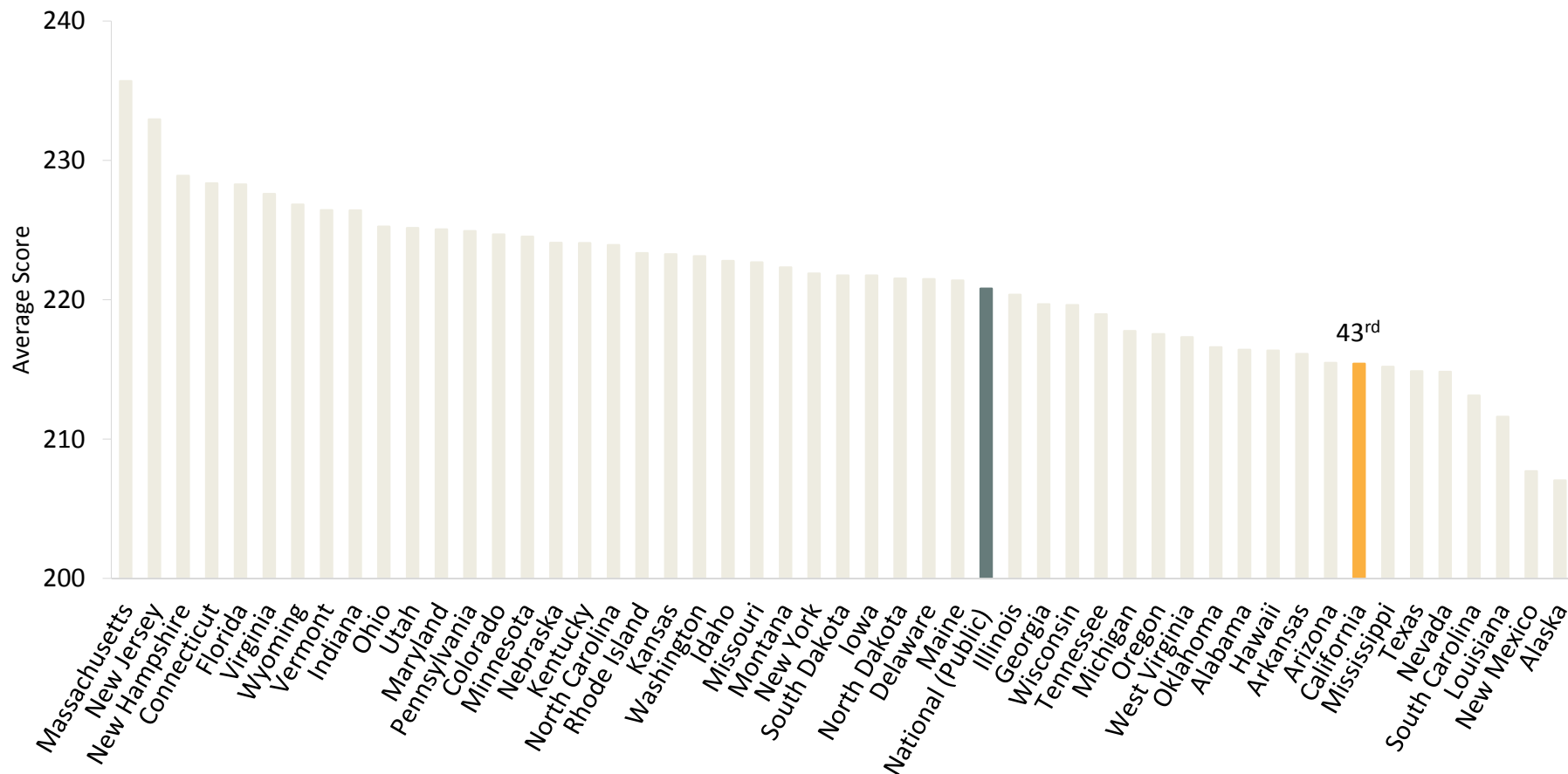
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Achievement on NAEP 4<sup>th</sup> and 8<sup>th</sup> Grade Math, California vs. Nation



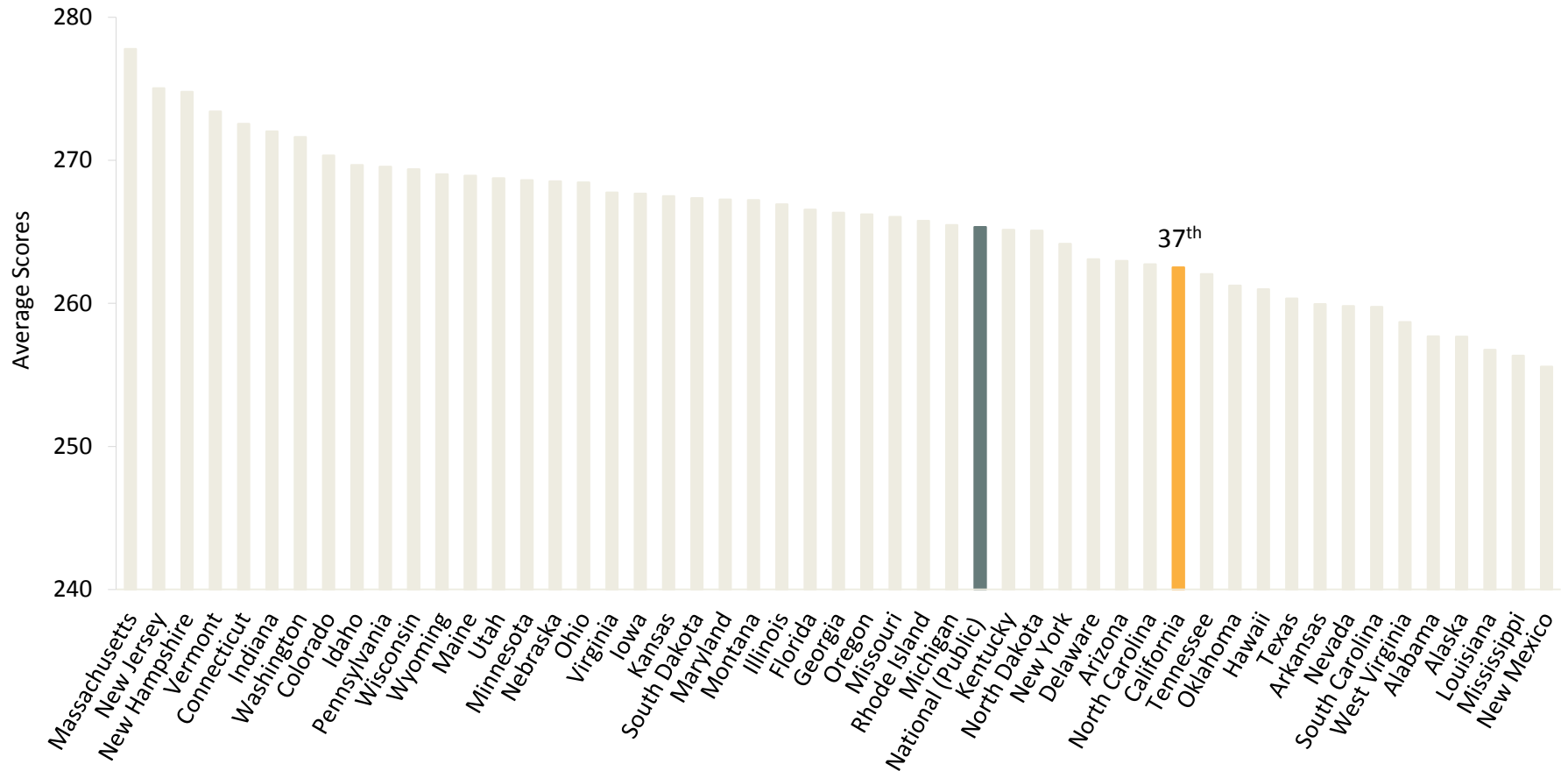
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Achievement on NAEP 4<sup>th</sup> Grade Reading, California vs. Other States



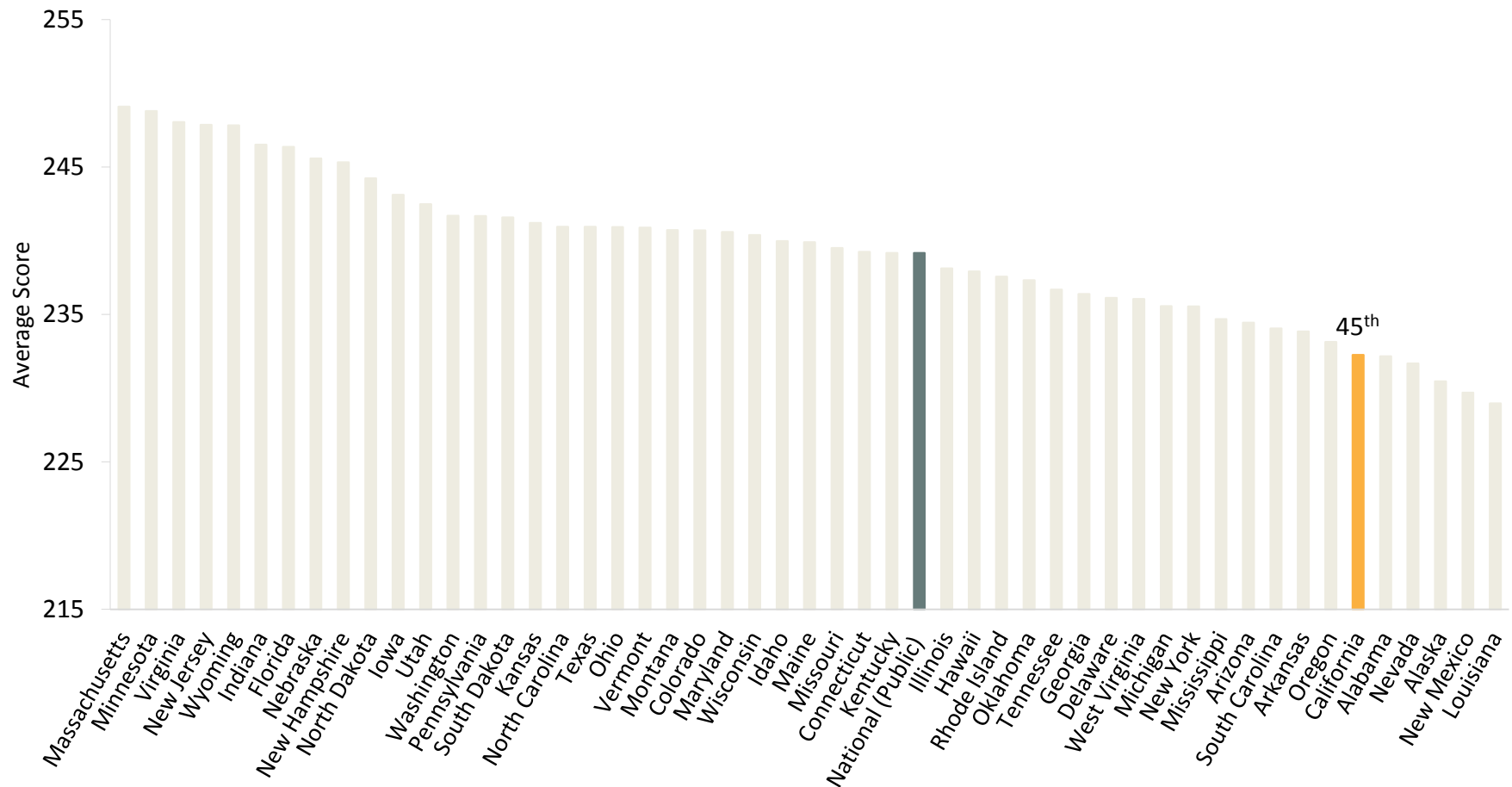
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Achievement on NAEP 8<sup>th</sup> Grade Reading, California vs. Other States



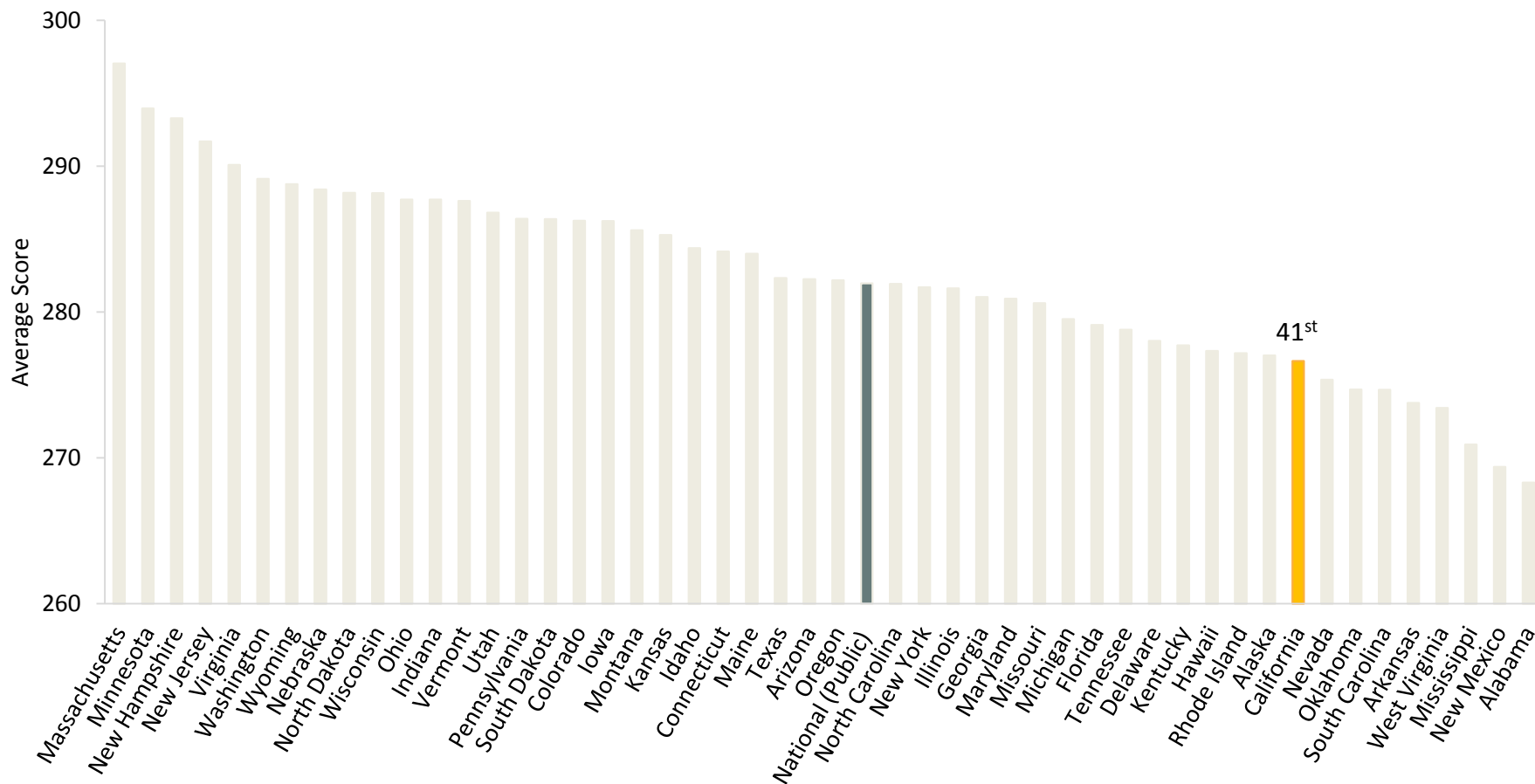
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Achievement on NAEP 4<sup>th</sup> Grade Math, California vs. Other States



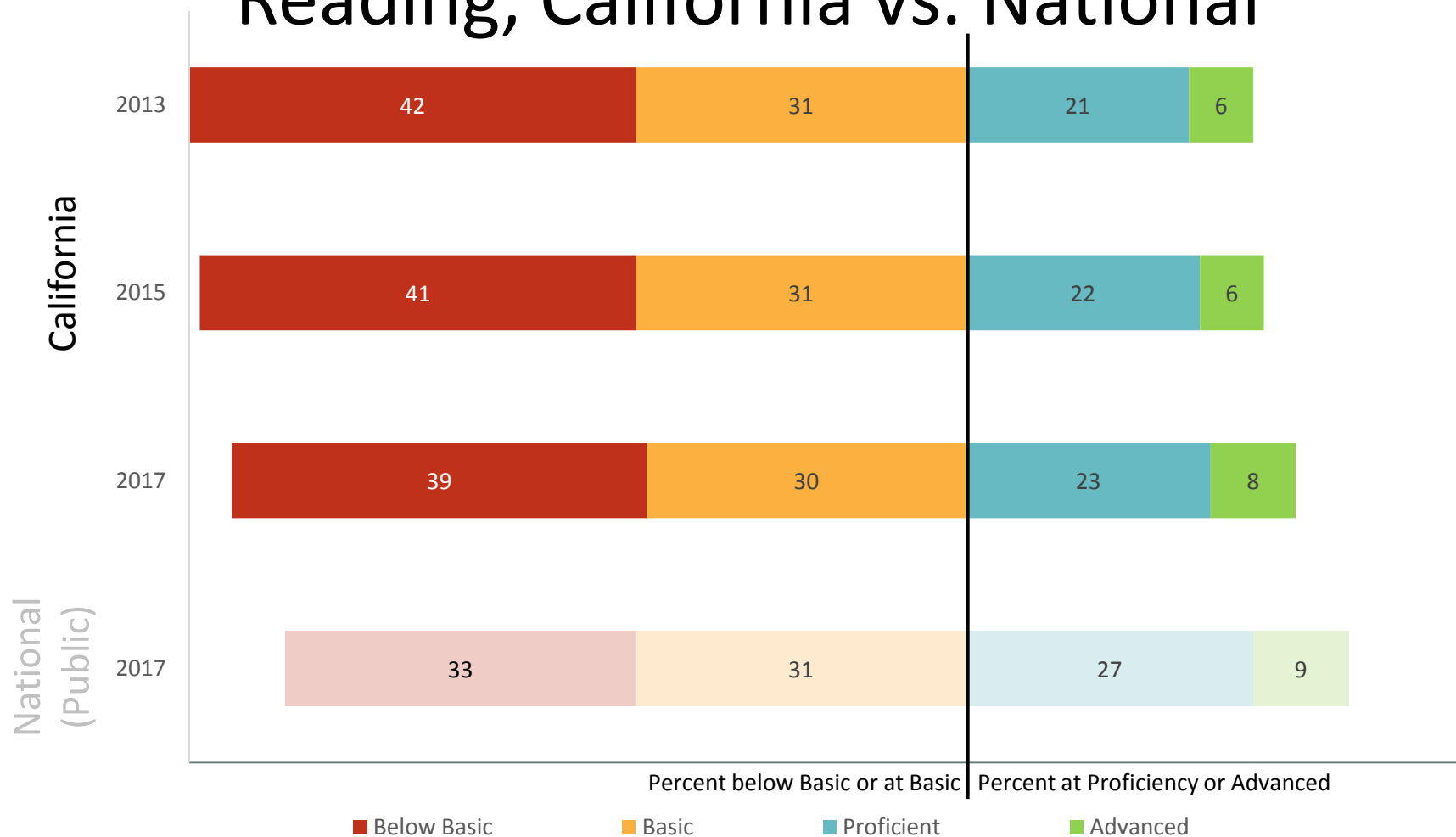
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Achievement on NAEP 8<sup>th</sup> Grade Math, California vs. Other States



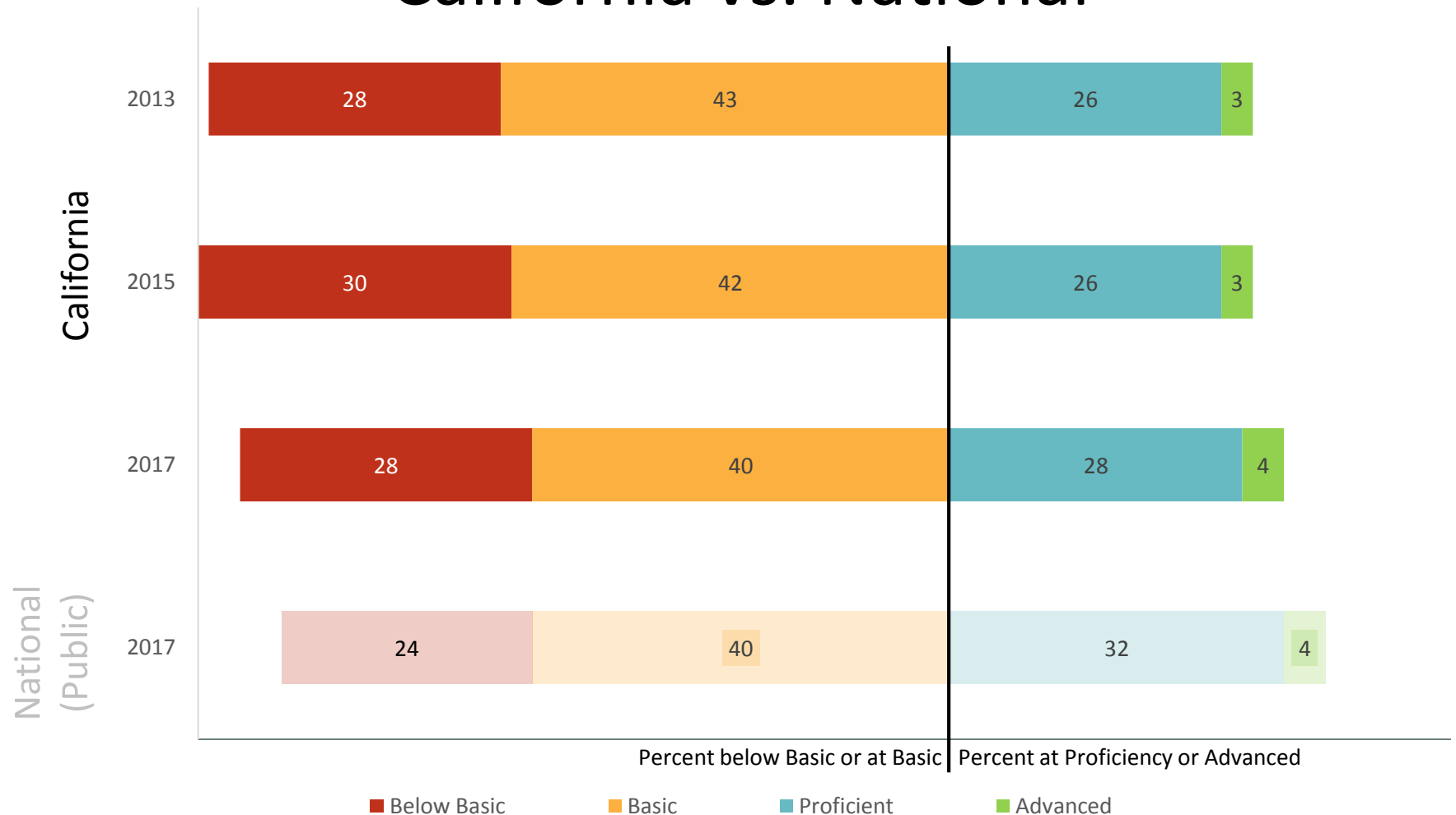
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Proficiency on NAEP 4<sup>th</sup> Grade Reading, California vs. National



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Values may not sum to 100 because of rounding.

# 2017 Proficiency on NAEP 8<sup>th</sup> Grade Reading, California vs. National



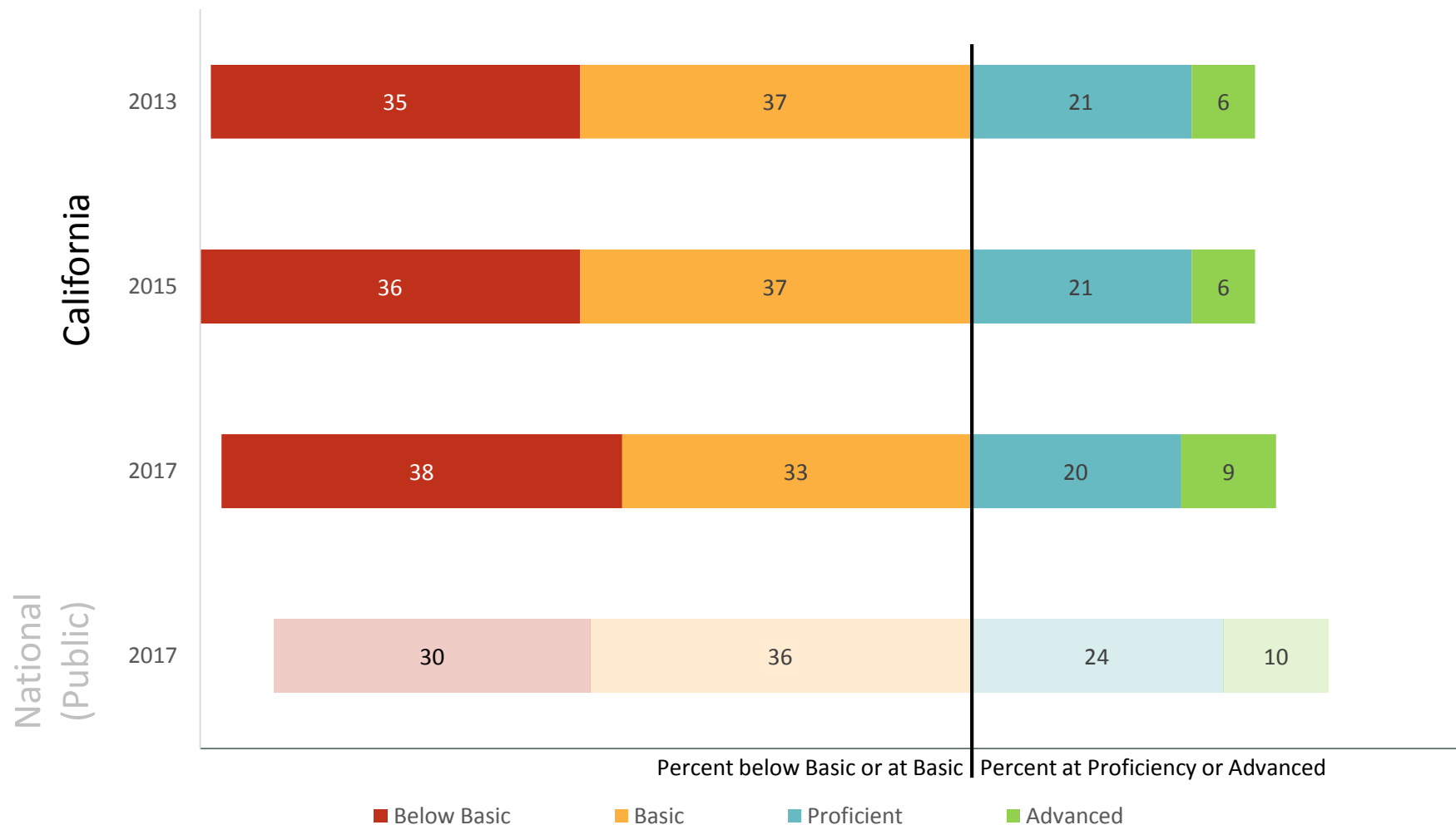
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Values may not sum to 100 because of rounding.

# 2017 Proficiency on NAEP 4<sup>th</sup> Grade Math, California vs. National



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Values may not sum to 100 because of rounding.

# 2017 Proficiency on NAEP 8<sup>th</sup> Grade Math, California vs. National



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Values may not sum to 100 because of rounding.

# Results: California Achievement by Race

# California trends in racial achievement gaps

## Context and Key Insights:

**Since 1992, Black and Latino achievement has gradually increased.**

- From 2015 to 2017, Latino students' average scores improved slightly for all tests except 8<sup>th</sup> grade math.
- Black students' average scores improved slightly for reading, but decreased substantially for 4<sup>th</sup> and 8<sup>th</sup> grade math with 4 and 5 point decreases, respectively.

**While Black-White and Latino-White gaps have narrowed over time, they are not closing fast enough.**

- From 2015 to 2017, California has made the greatest improvement in 4<sup>th</sup> grade math.
  - From 1992 to 2017, the Black-White gap narrowed by 12 points, and the Latino-White gap narrowed by 9 points.
- However, significant gaps remain across all grades and all subjects. The Black-White gaps vary between 22 to 38 points and the Latino-White gaps vary between 22 to 31 points.
- While the White-Latino and White-Black gaps has shrunk in the past 15 years, there is a growing gap between Latino/Black students and Asian/Pacific Islander students.

# California trends in racial achievement gaps

## Context and Key Insights:

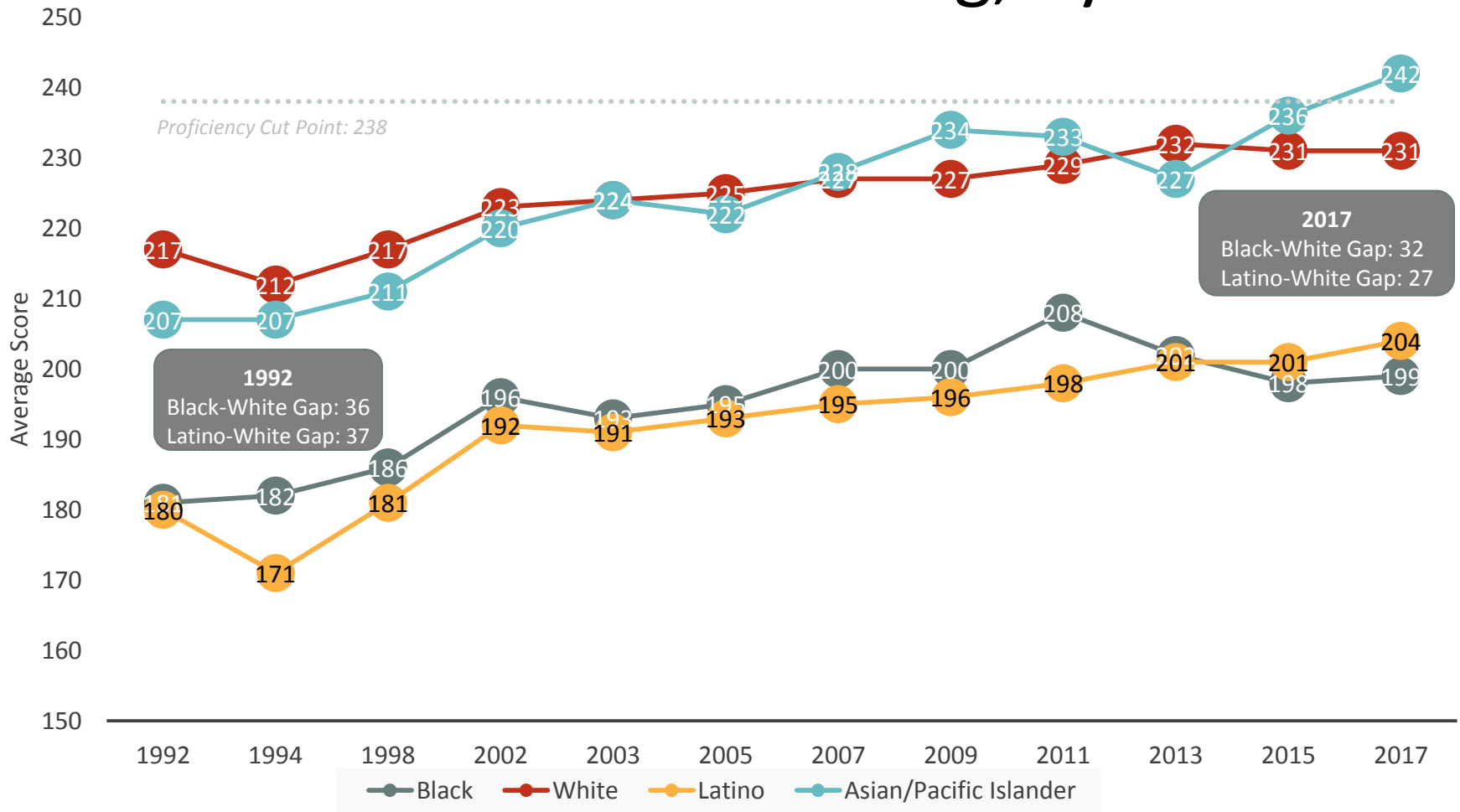
**Although California substantially improved its overall ranking in 8<sup>th</sup> grade reading from 2015 to 2017, proficiency gaps persist across racial groups.**

- 81% of Black and Latino students are below proficient in 8<sup>th</sup> grade math, compared to 49% of White students and 46% Asian/Pacific Islander students.

**When compared to top ranked states, California has a higher share of Black and Latino students below proficient across all tests.**

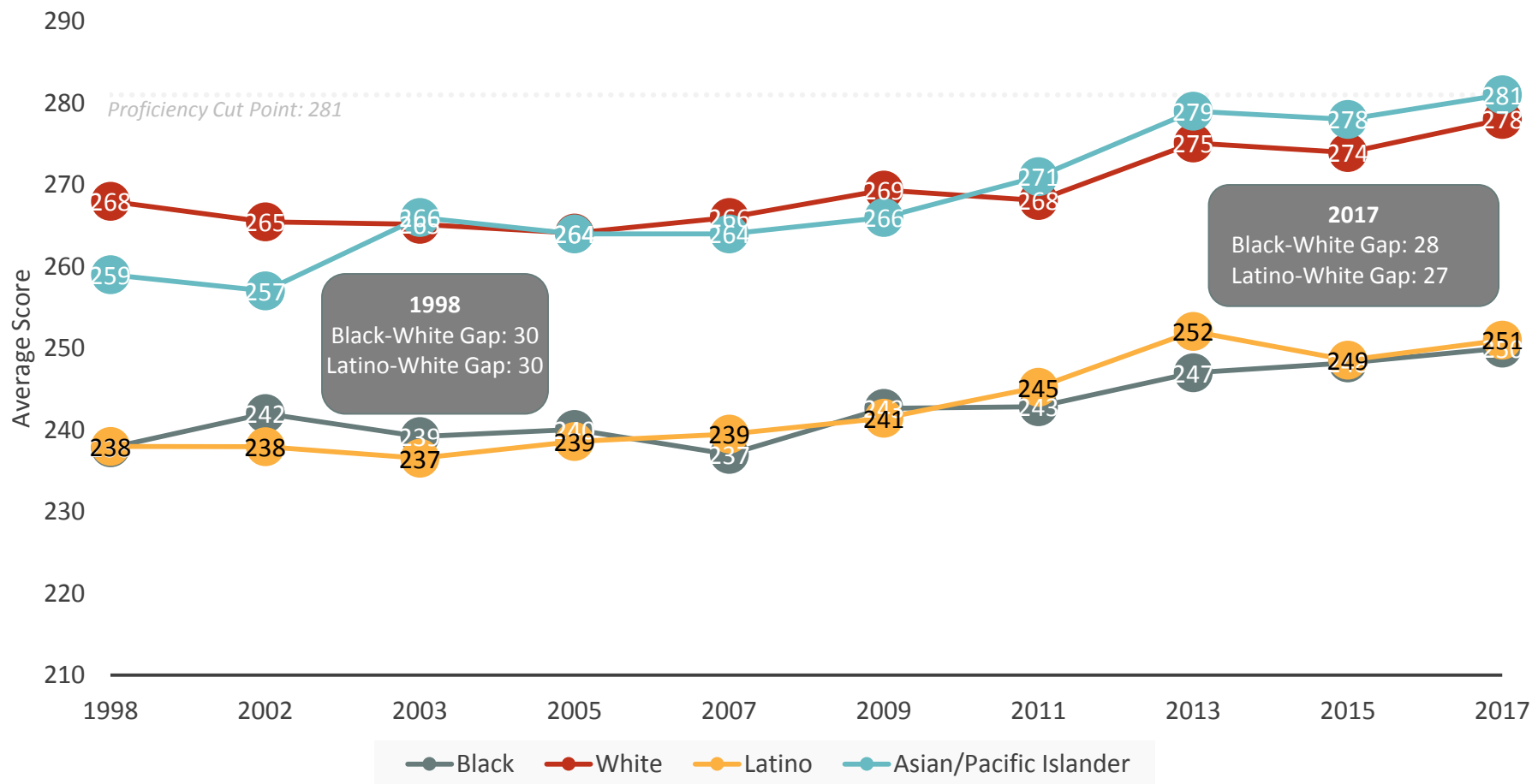
- 50% of Latino students and 57% of Black students in California are below basic in 4<sup>th</sup> grade reading, compared to 38% and 36% in Massachusetts (the #1 ranked state in 4<sup>th</sup> grade reading) for Latino and Black students, respectively.
- In some instances, rates of top ranked states mirror those of California for Latino and Black students.
  - In 8<sup>th</sup> grade math, 80% of Latino students and 88% of Black students in Minnesota (the 2<sup>nd</sup> ranked state) are below proficient, compared to 84% and 90% of Latino and Black students in California, respectively.

# 2017 California Achievement on NAEP 4<sup>th</sup> Grade Reading, by Race



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

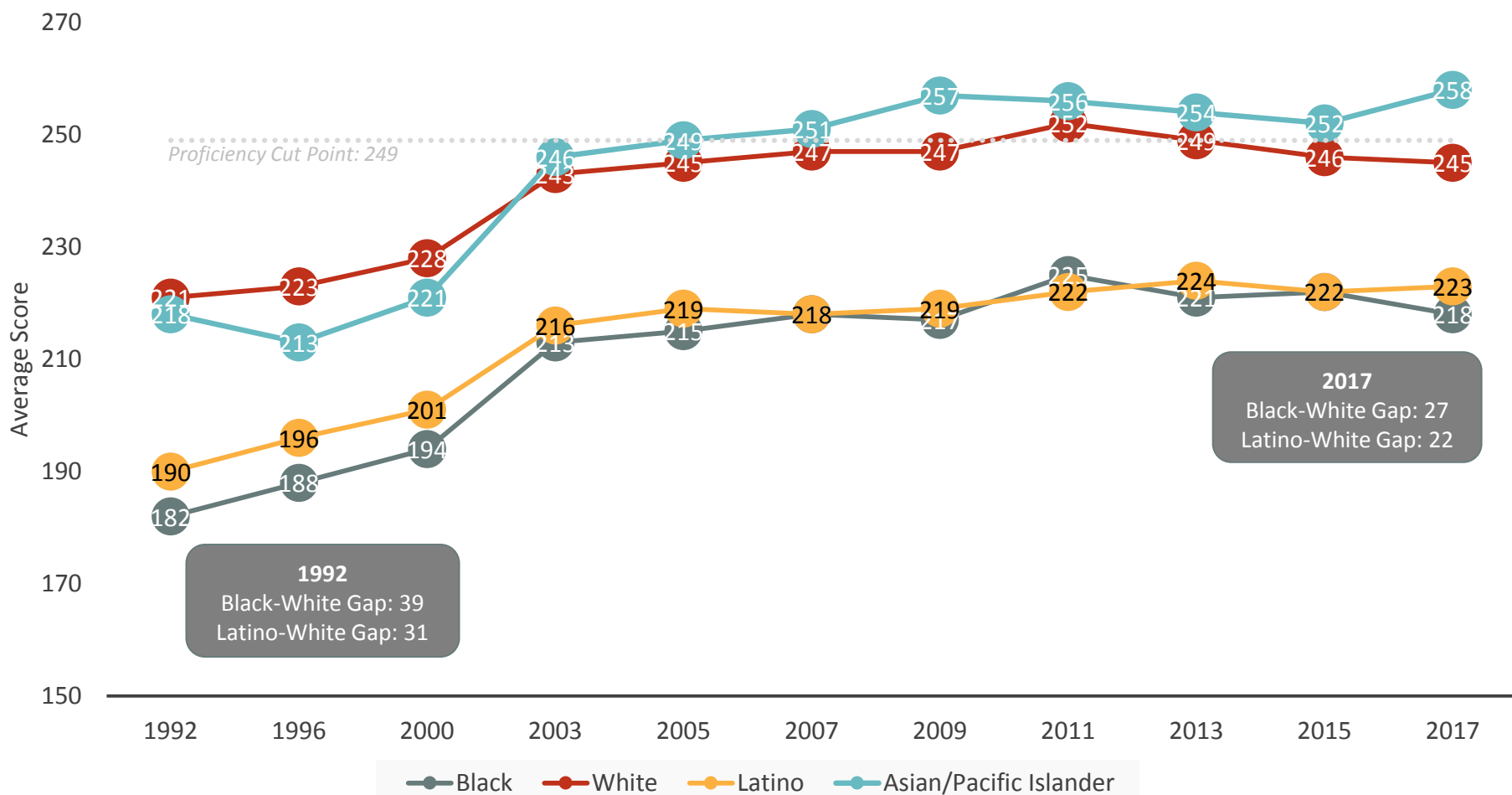
# 2017 California Achievement on NAEP 8<sup>th</sup> Grade Reading, by Race



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 California Achievement on NAEP

## 4<sup>th</sup> Grade Math, by Race



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

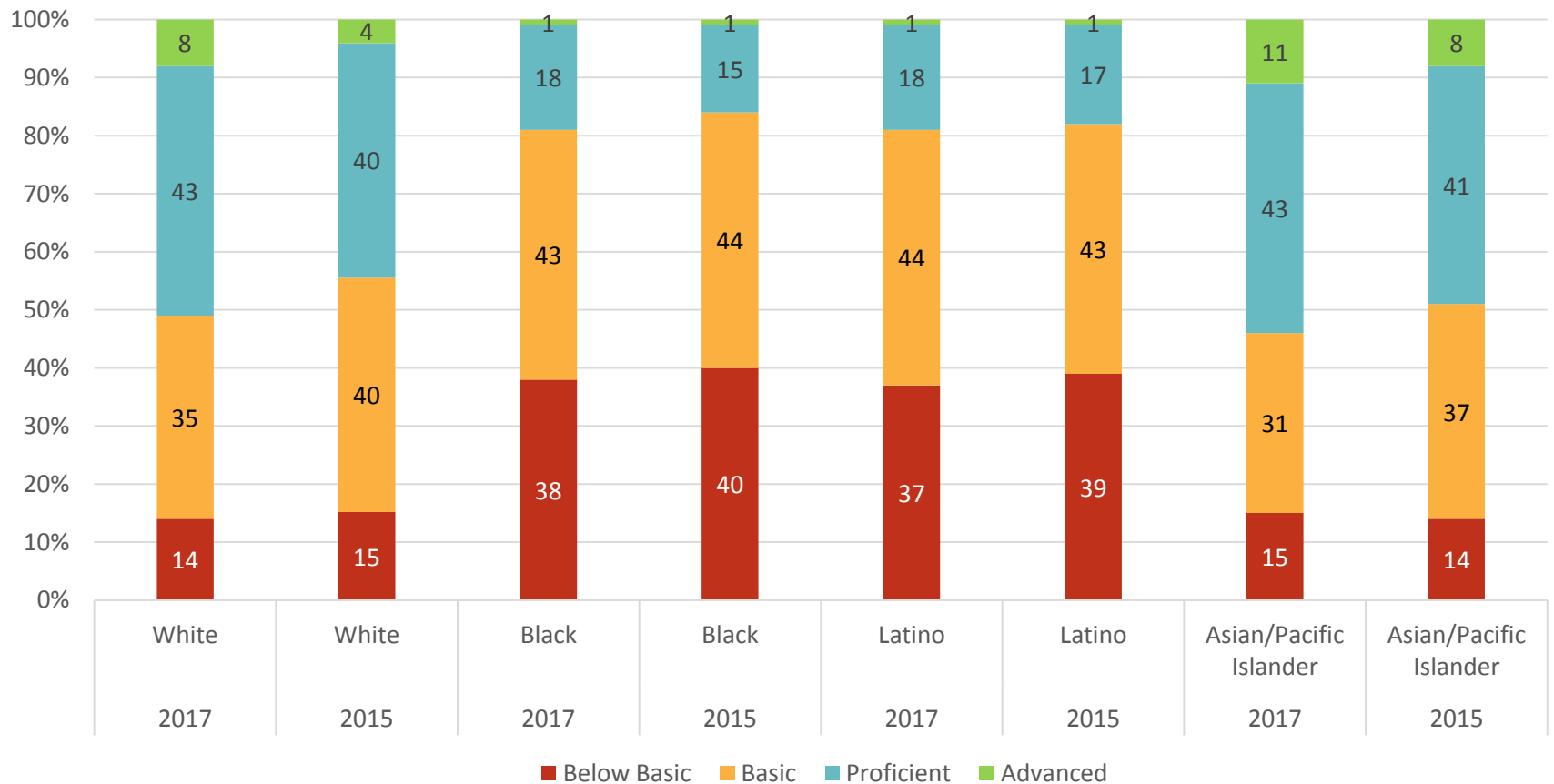
# California Achievement on NAEP

## 8<sup>th</sup> Grade Math, by Race



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

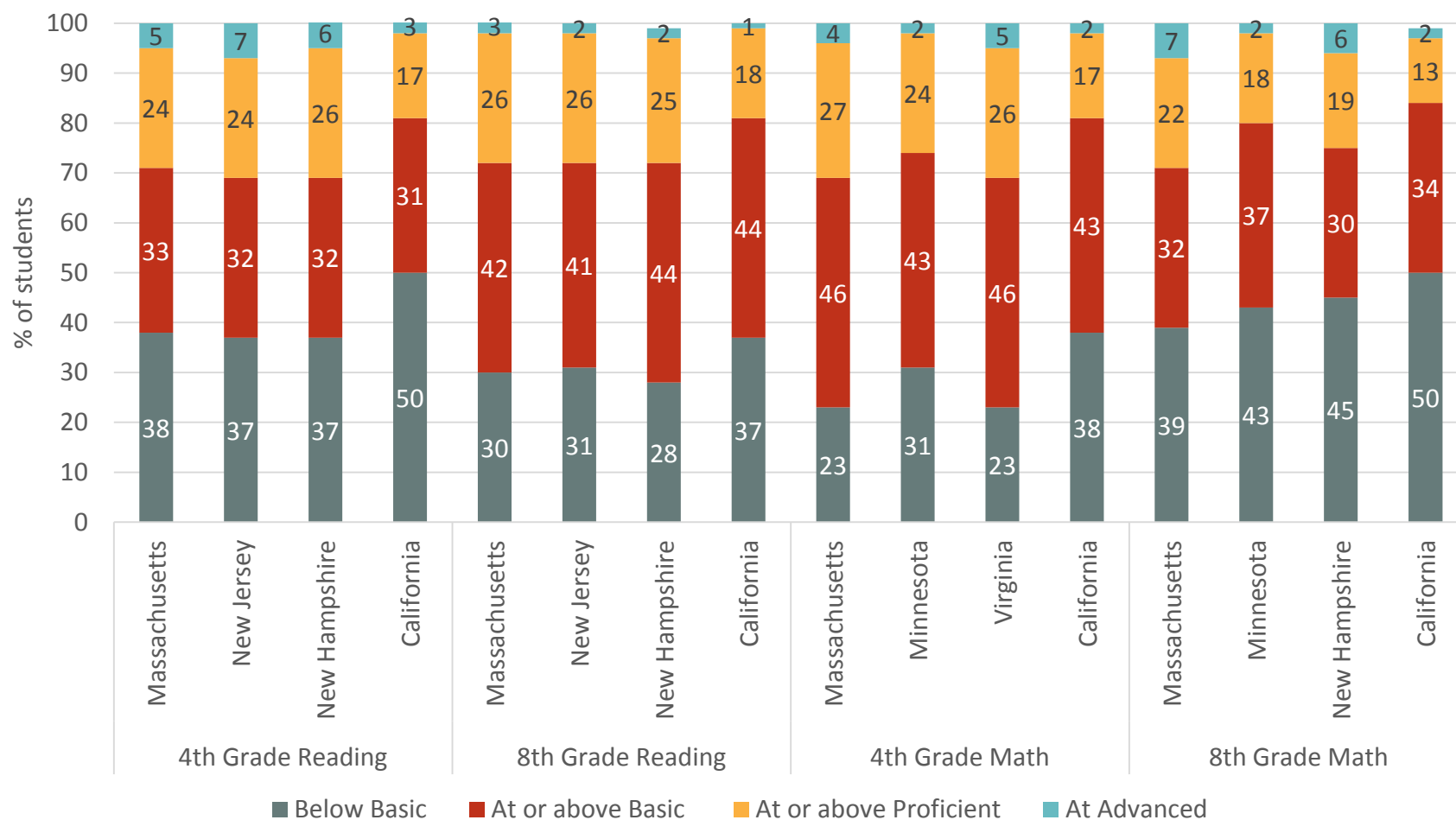
# 2015 and 2017 8<sup>th</sup> Grade Reading Proficiency Levels: By Racial Groups



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Achievement for Latino students:

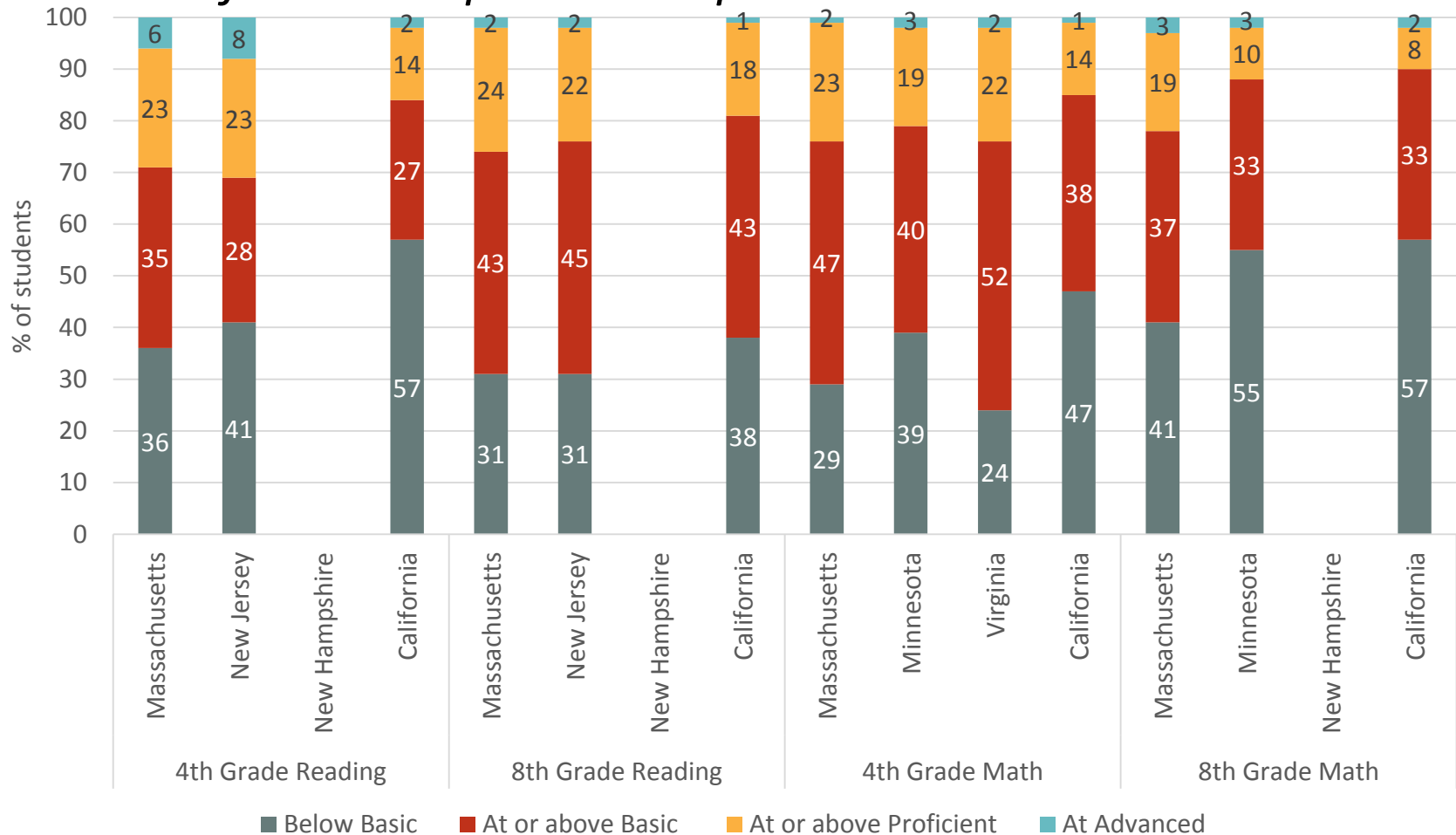
## *California compared to top 3 ranked states in each test*



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 Achievement for Black students:

*California compared to top 3 ranked states in each test*



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Note: New Hampshire had no data reported for Black students.

# Results: California Achievement by Income Status

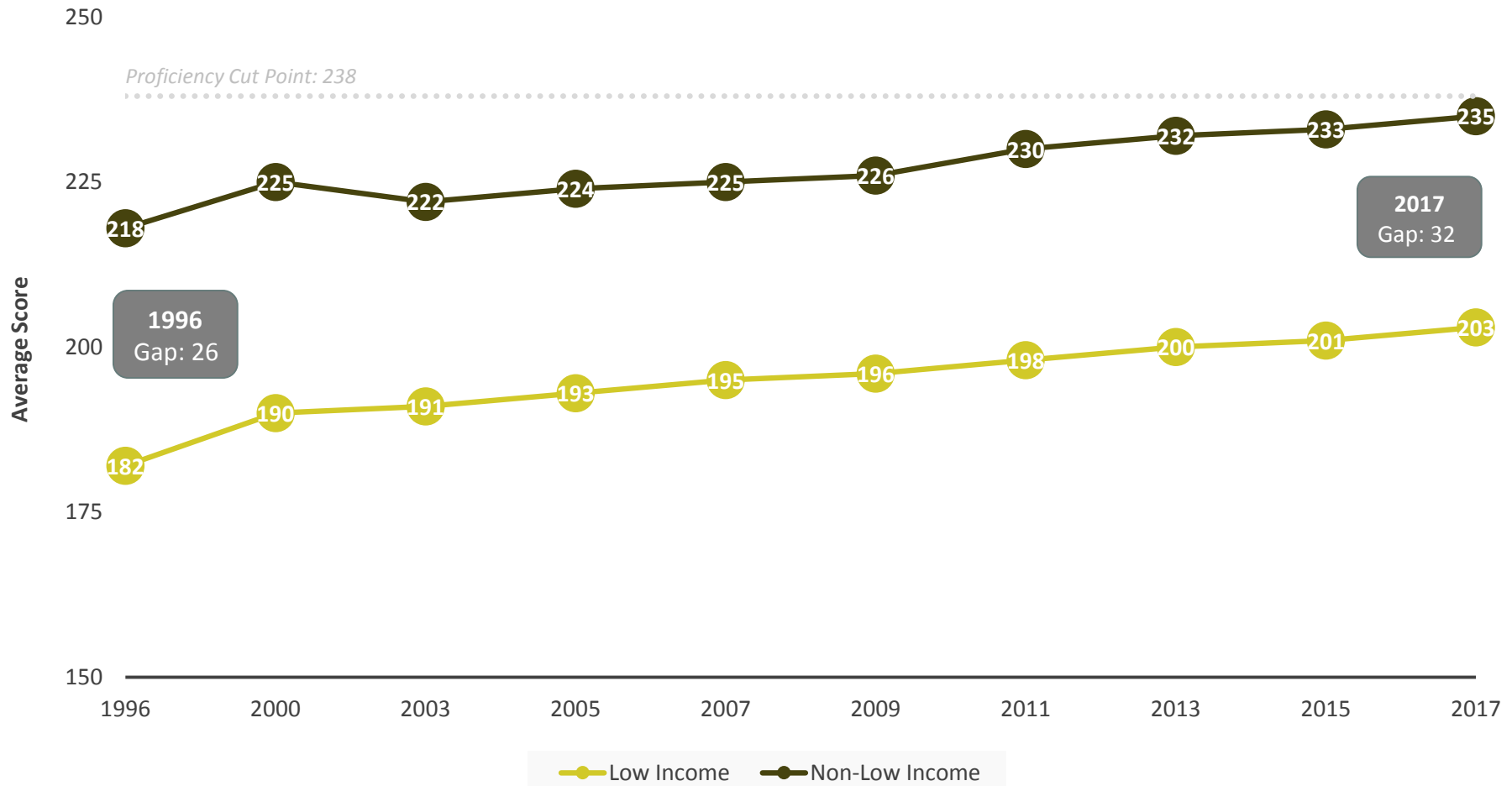
# California 20-25 year trends in achievement gaps by income

## Context and Key Insights:

**California has made some progress in narrowing the income gap, but a sizable gap still remains.**

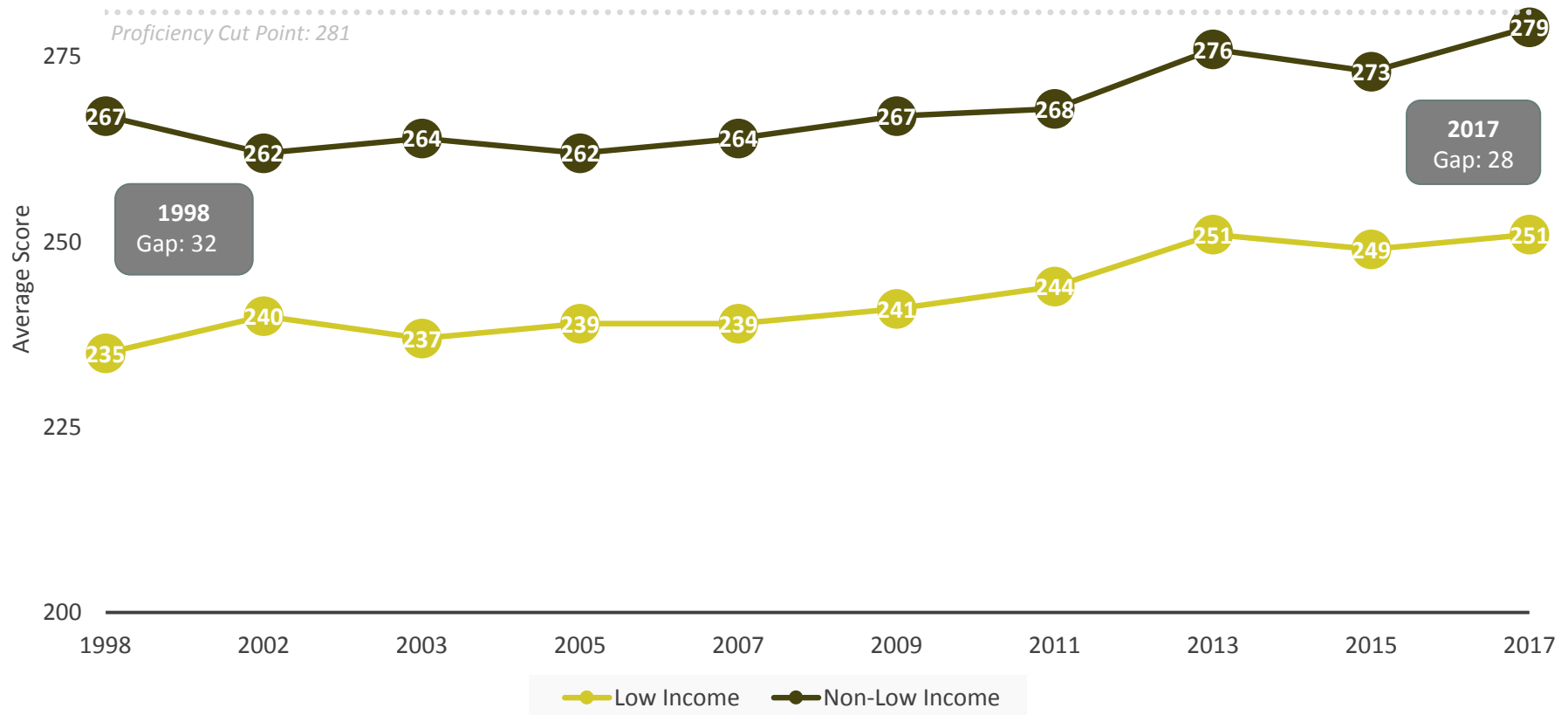
- Average test scores in 4<sup>th</sup> grade for low-income students have continuously increased since 1996 and have increased by 21 points since then.
- Average test scores for low-income students increased for 4<sup>th</sup> and 8<sup>th</sup> grade reading from 2015 to 2017
- However, performance gaps between low-income and non low-income students persist. From 2015 to 2017, the achievement gap between low-income and non-low-income students widened for both 8<sup>th</sup> grade tests.
  - Average test scores in reading for 8<sup>th</sup> grade low-income students widened by 4 points.
  - Average test scores in math for 8<sup>th</sup> grade low-income students widened by 5 points.

# California Achievement on NAEP 4<sup>th</sup> Grade Reading, by Income Status



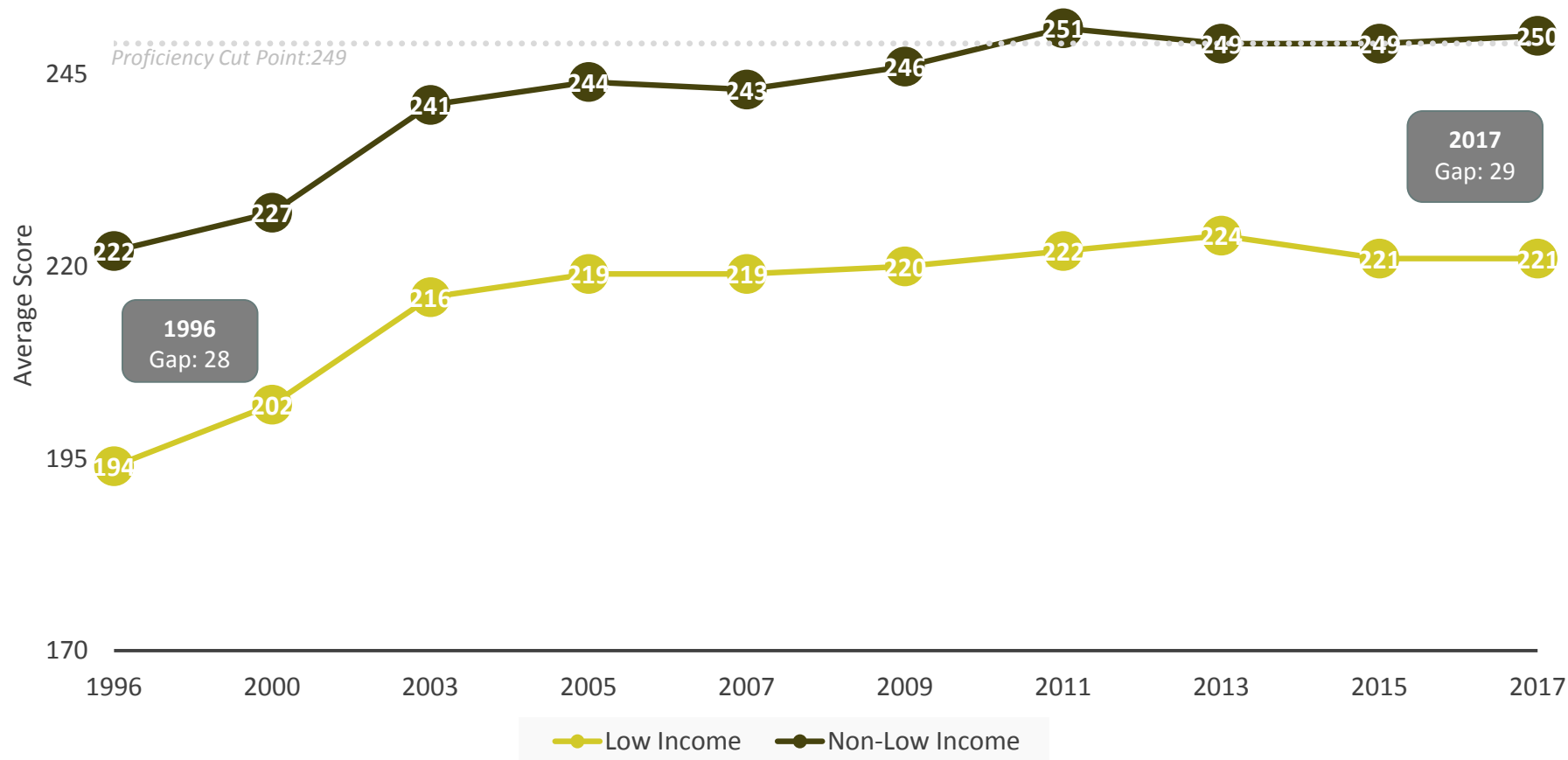
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# California Achievement on NAEP 8<sup>th</sup> Grade Reading, by Income Status



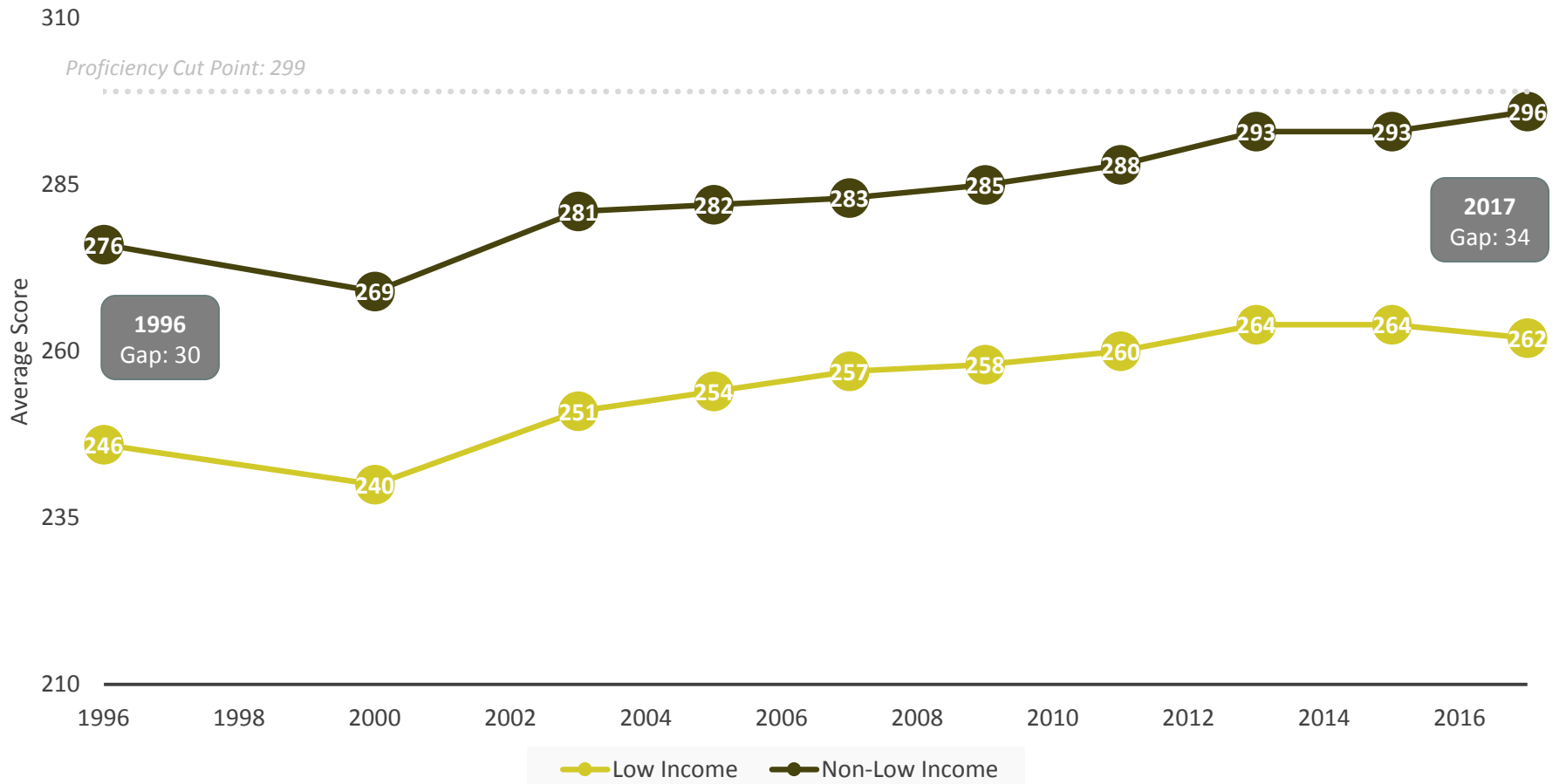
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# California Achievement on NAEP 4<sup>th</sup> Grade Math, by Income Status



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# California Achievement on NAEP 8<sup>th</sup> Grade Math, by Income Status



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# Results: California Achievement by English Learner Status

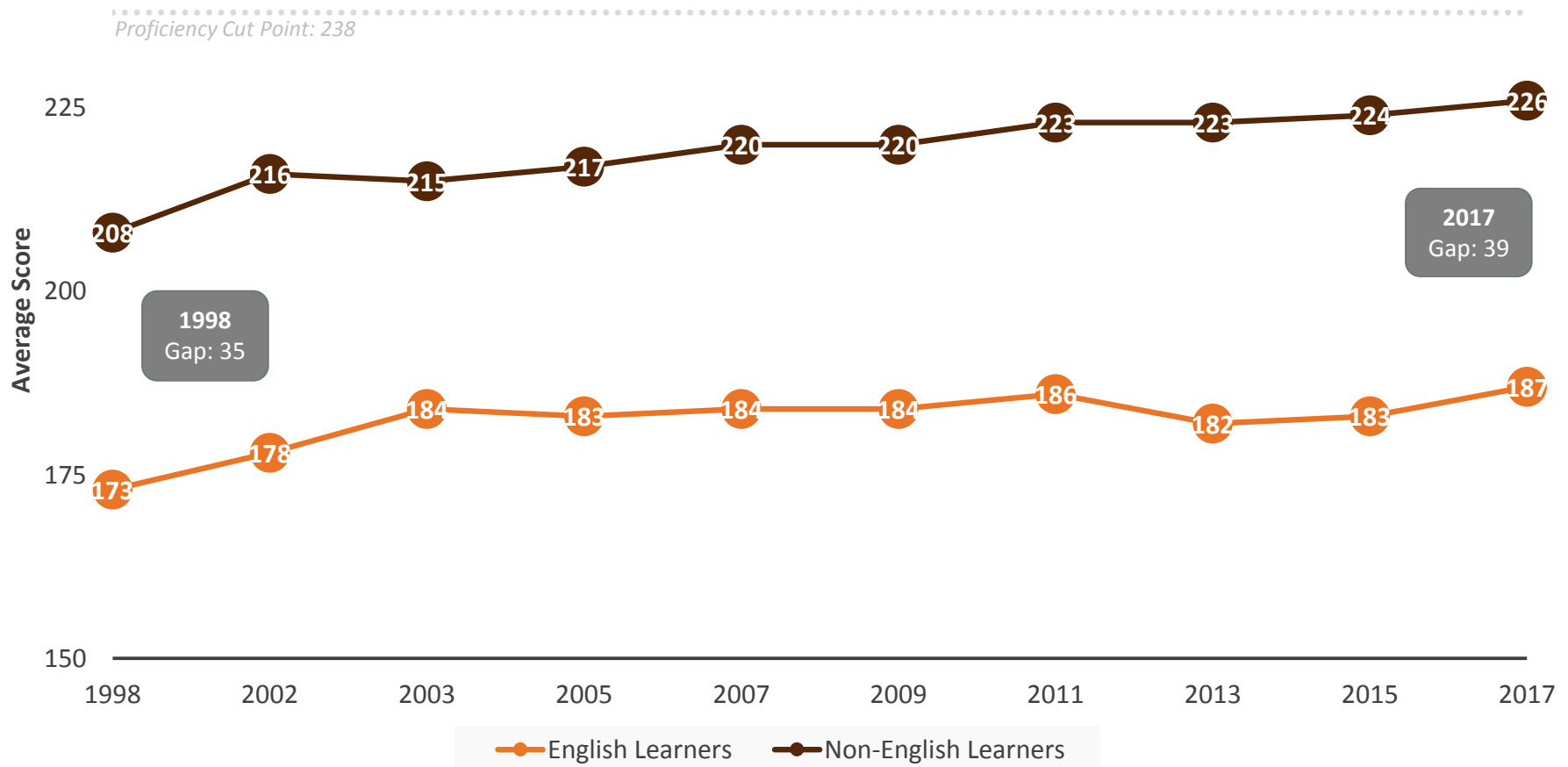
# California Improvement trends for English Learners

## Context and Key Insights:

**The gap between English learners and non English learners narrowed in reading from 2015 to 2017.**

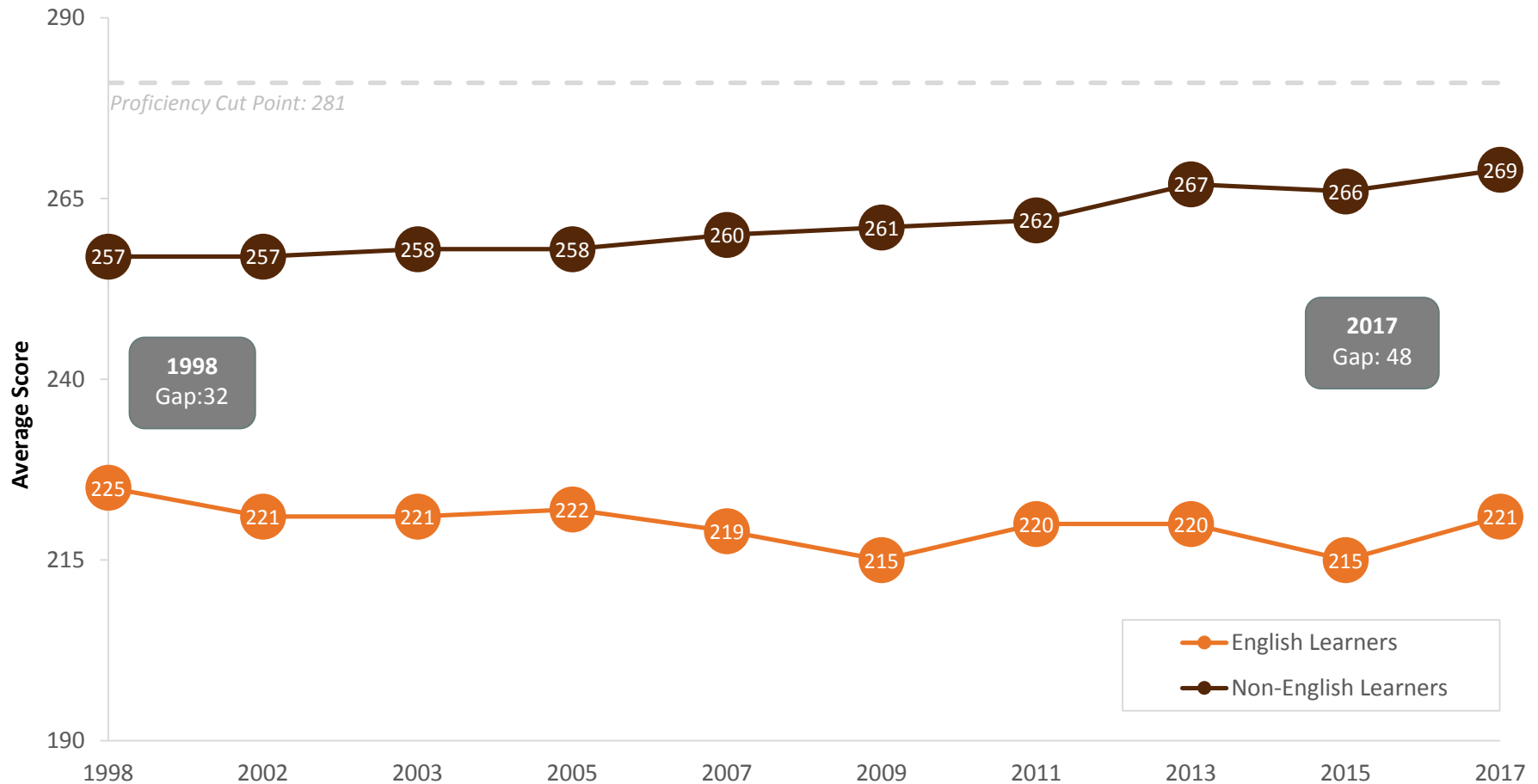
- English learner scores improved for reading and remained constant for math.
  - 4<sup>th</sup> grade reading scores increased 4 points from 2015 to 2017.
  - 8<sup>th</sup> grade reading scores increased 6 points from 2015 to 2017.
- Math scores from 2015 to 2017 remained relatively constant for English Learners and non English learners.

# 2017 California Achievement on NAEP 4<sup>th</sup> Grade Reading, by English Learner Status



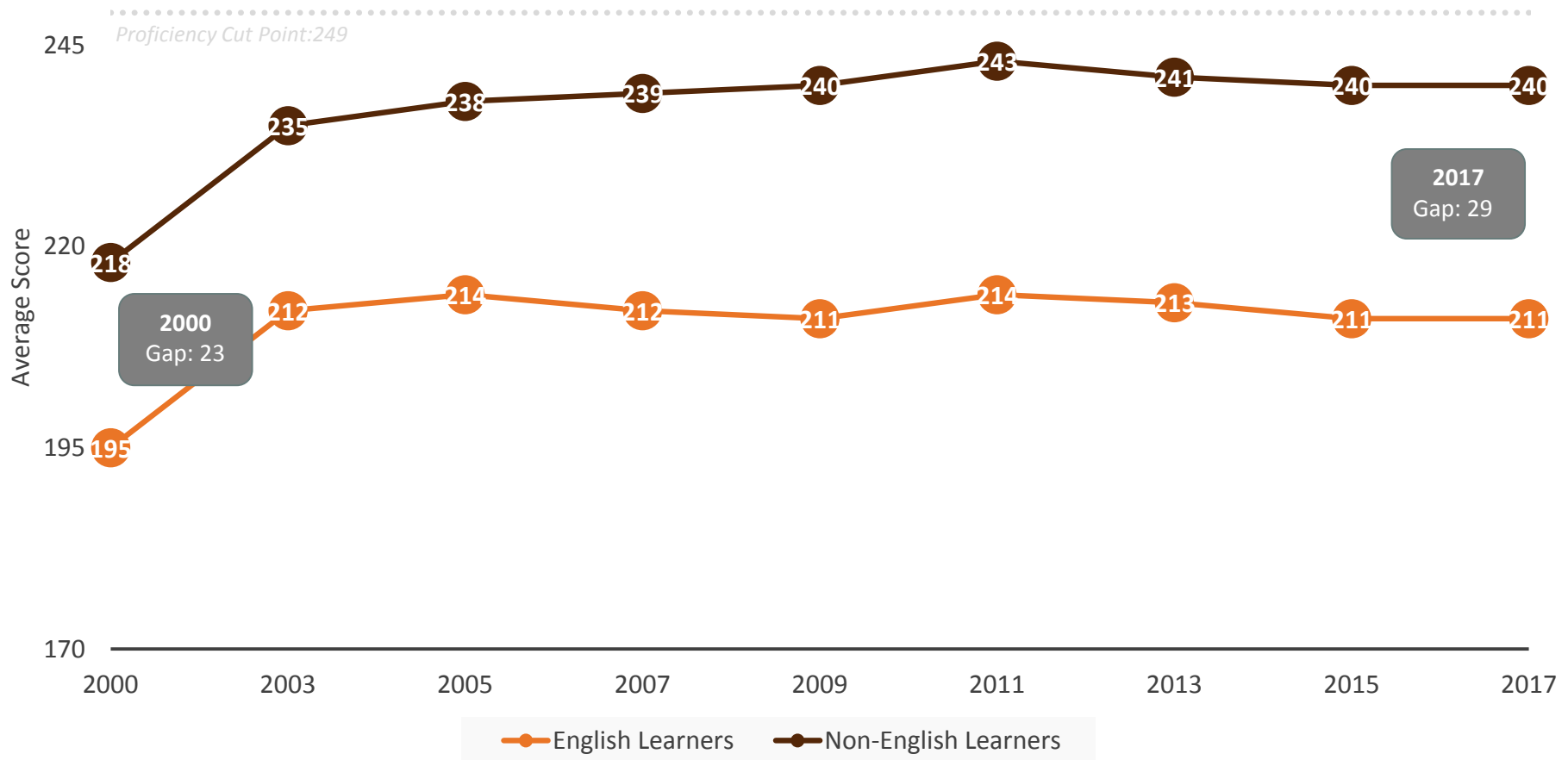
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# 2017 California Achievement on NAEP 8<sup>th</sup> Grade Reading, by English Learner Status



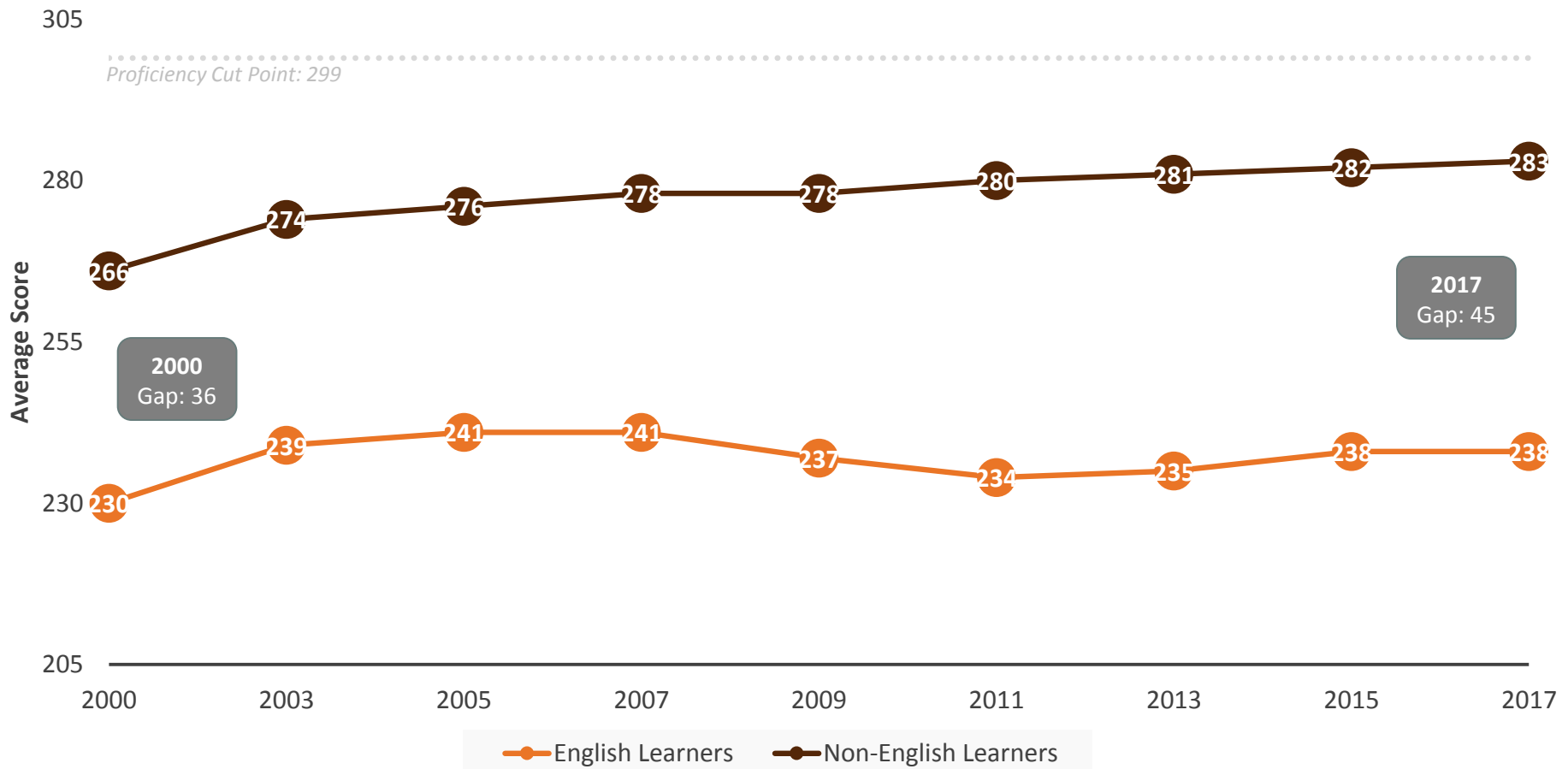
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# California Achievement on NAEP 4<sup>th</sup> Grade Math, by English Learner Status



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Data not available prior to 2000.

# California Achievement on NAEP 8<sup>th</sup> Grade Math, by English Learner Status



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018).

# Results: District Achievement

In addition to statewide results, NAEP produces results for selected urban public districts across the country through the Trial Urban District Assessment (TUDA) program. Within California, NAEP results are available for Fresno Unified School District, Los Angeles Unified School District, and San Diego Unified School District.

# 2017 California Results by TUDA District

## Context and Key Insights:

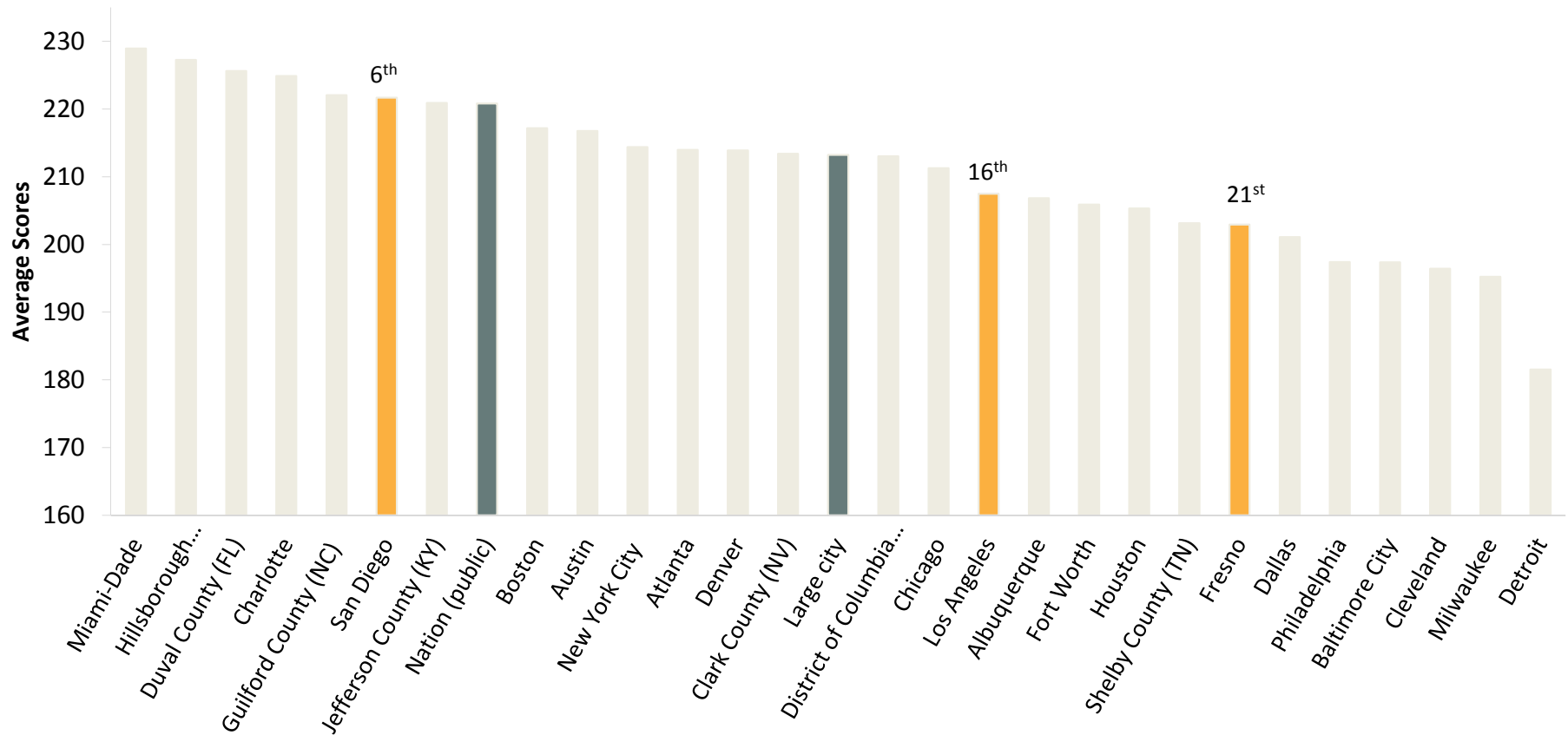
**California TUDA districts vary in ranking position when compared to the other TUDA districts nationwide.**

- San Diego is in the top 3 for both 8<sup>th</sup> grade tests.
- Of the three California districts, Fresno ranks the lowest on all four tests.
  - Fresno is 25<sup>th</sup> (out of 27) in 8<sup>th</sup> grade math
- Los Angeles does not score above that Large City average on any test.

## **Trends are evident within the California TUDA districts**

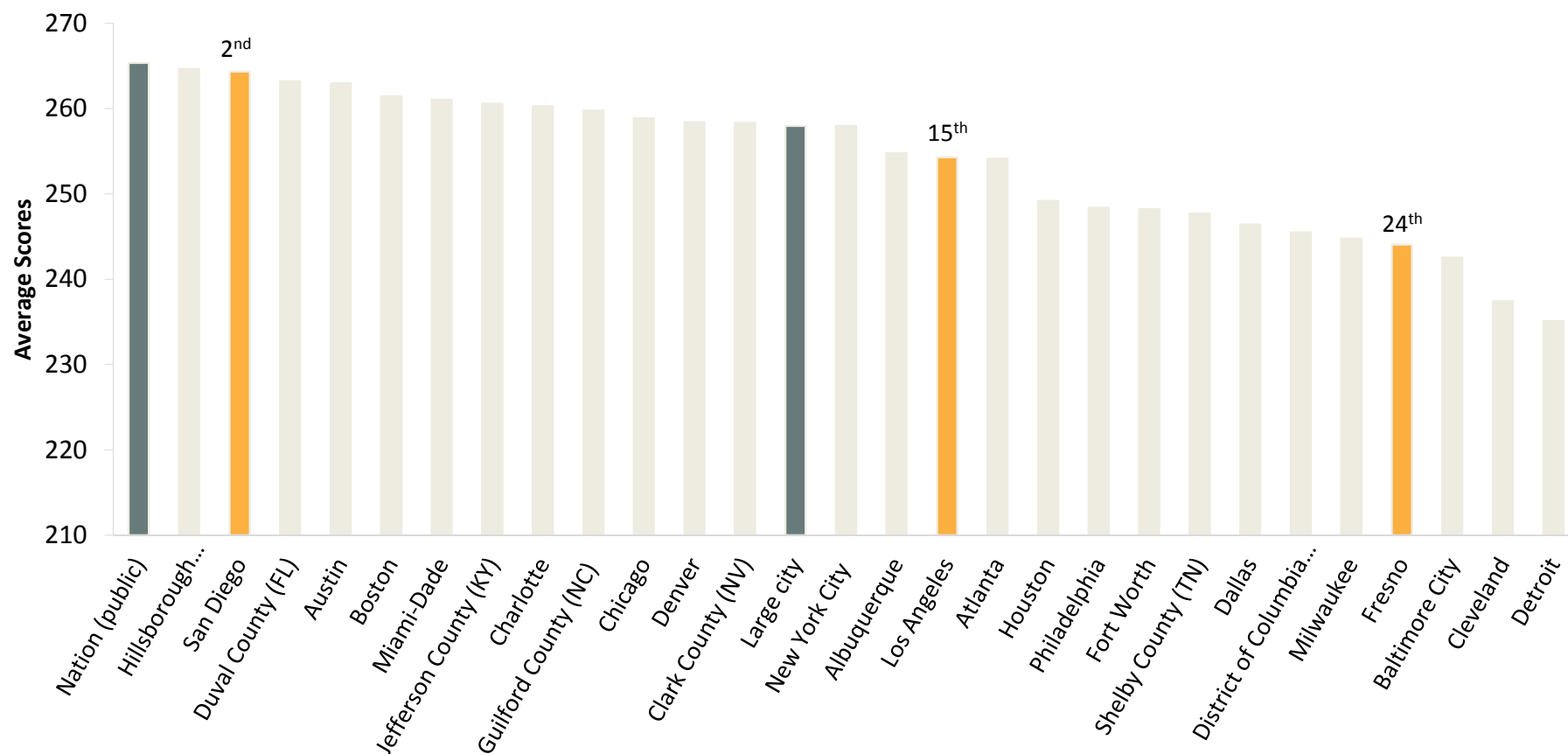
- Since being included in 2009, Fresno is consistently the lowest-performing district on all four tests. However, since 2011, Fresno has had the largest improvement in 4<sup>th</sup> grade reading with an increase of 9 points in its average score, compared to 7 and 6 for San Diego and Los Angeles, respectively.
- 4<sup>th</sup> and 8<sup>th</sup> grade reading scores improved from 2015 to 2017 for all three California districts.
- Math performance varied across district
  - San Diego 4<sup>th</sup> grade performance remained constant, but continues to show rapid growth in 8<sup>th</sup> grade math
  - Los Angeles was the only California district to decrease in 4<sup>th</sup> grade math, but improved in 8<sup>th</sup> grade math.
  - Fresno was the only California district to decrease in 8<sup>th</sup> grade math. Since 2013, Fresno's average score decreased by 5 points, whereas San Diego's and Los Angeles each increased by 4.

# 2017 Achievement on NAEP 4<sup>th</sup> Grade Reading, California cities vs. Other TUDA cities



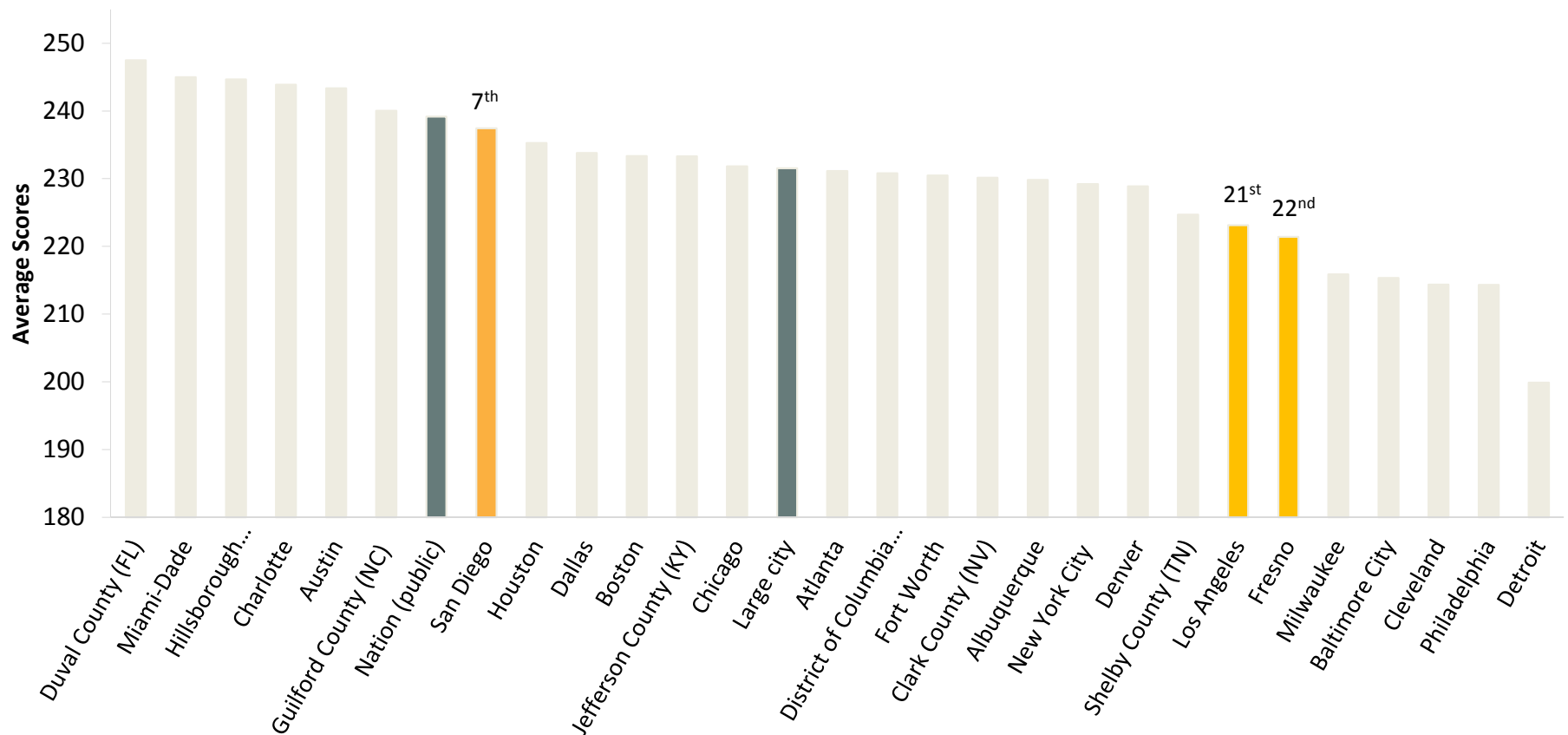
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Note: Rankings exclude National and Large City average scores.

# 2017 Achievement on NAEP 8<sup>th</sup> Grade Reading, California cities vs. Other TUDA cities



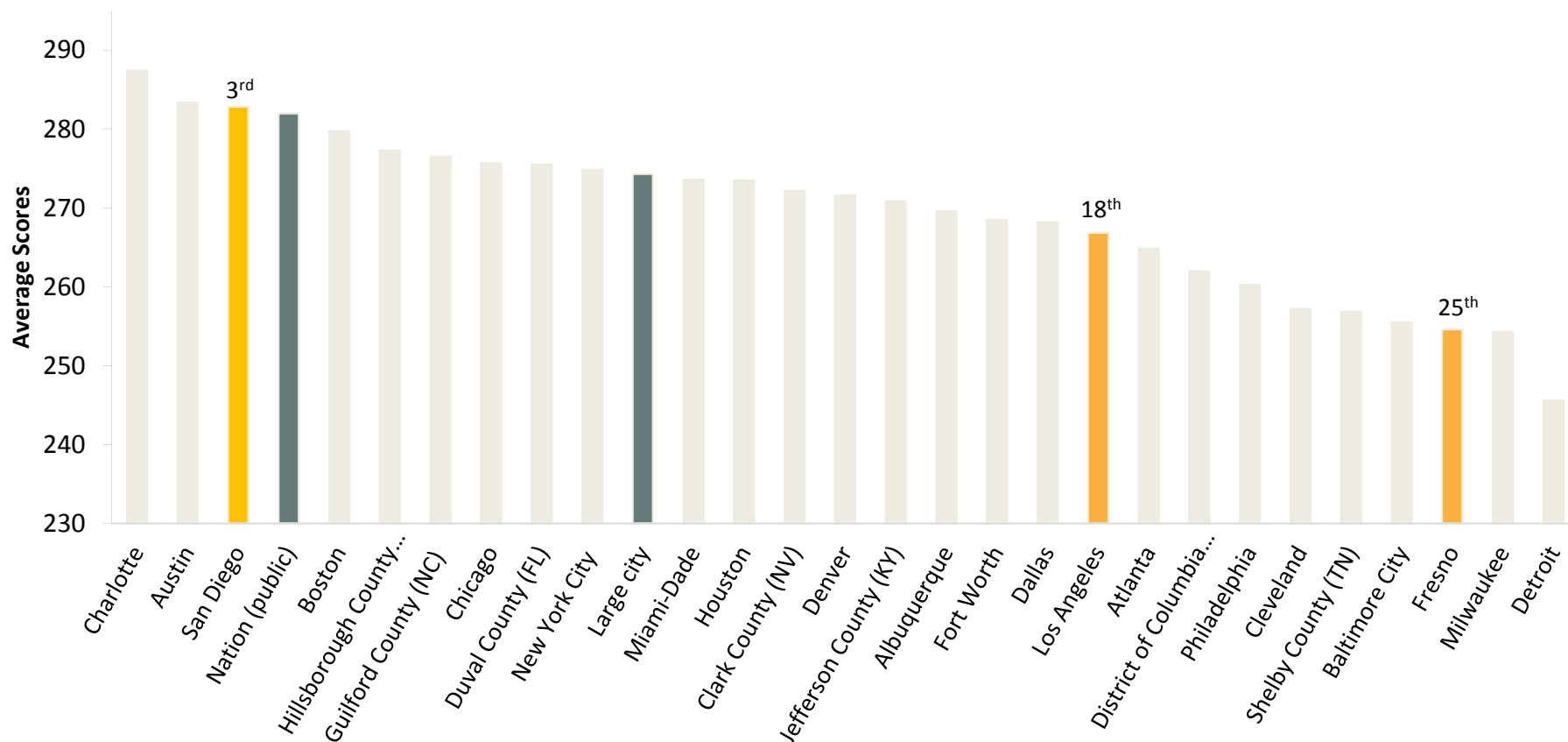
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Note: Rankings exclude National and Large City average scores.

# 2017 Achievement on NAEP 4<sup>th</sup> Grade Math, California cities vs. Other TUDA cities



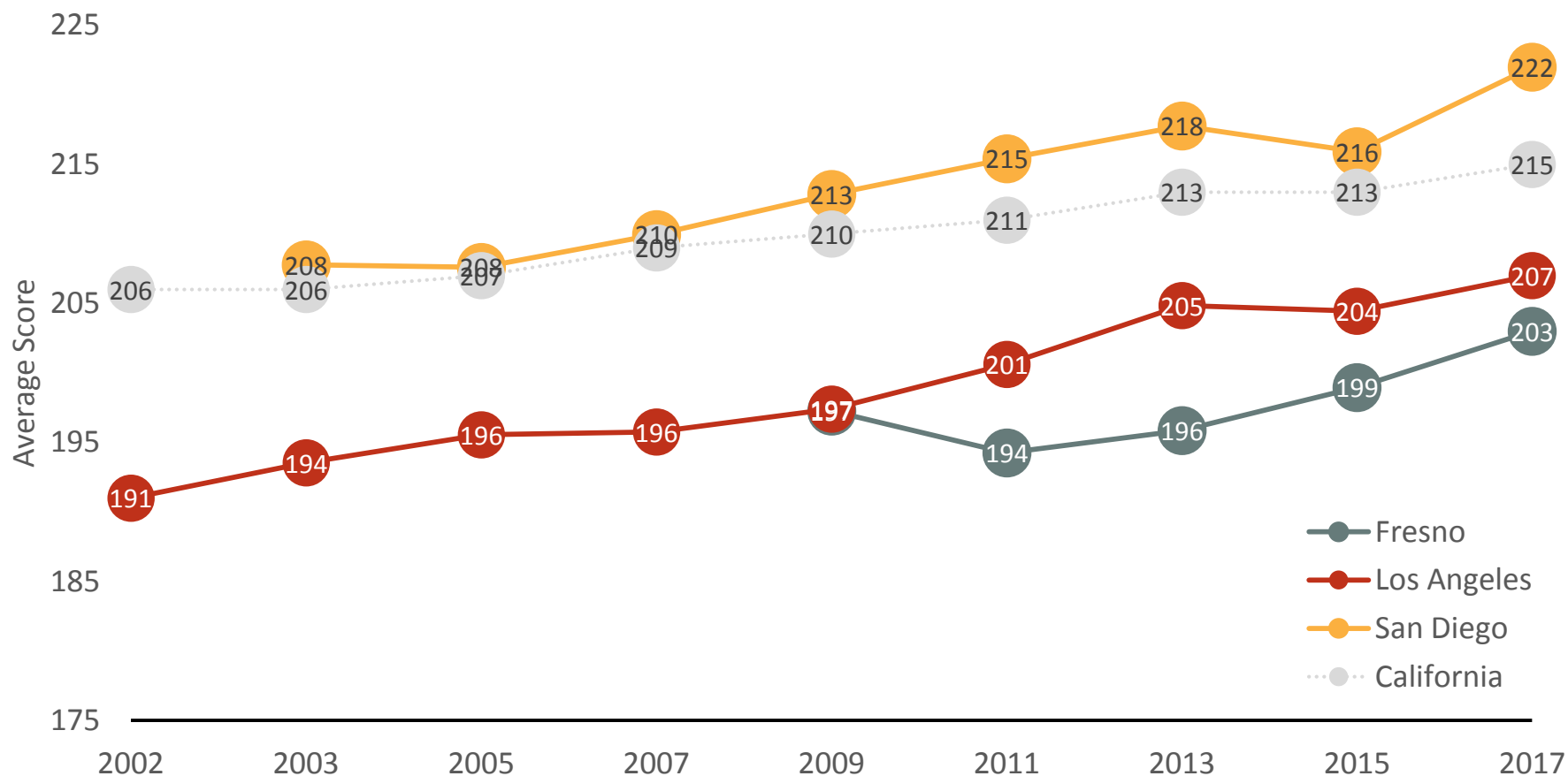
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Note: Rankings exclude National and Large City average scores.

# 2017 Achievement on NAEP 8<sup>th</sup> Grade Math, California cities vs. Other TUDA cities



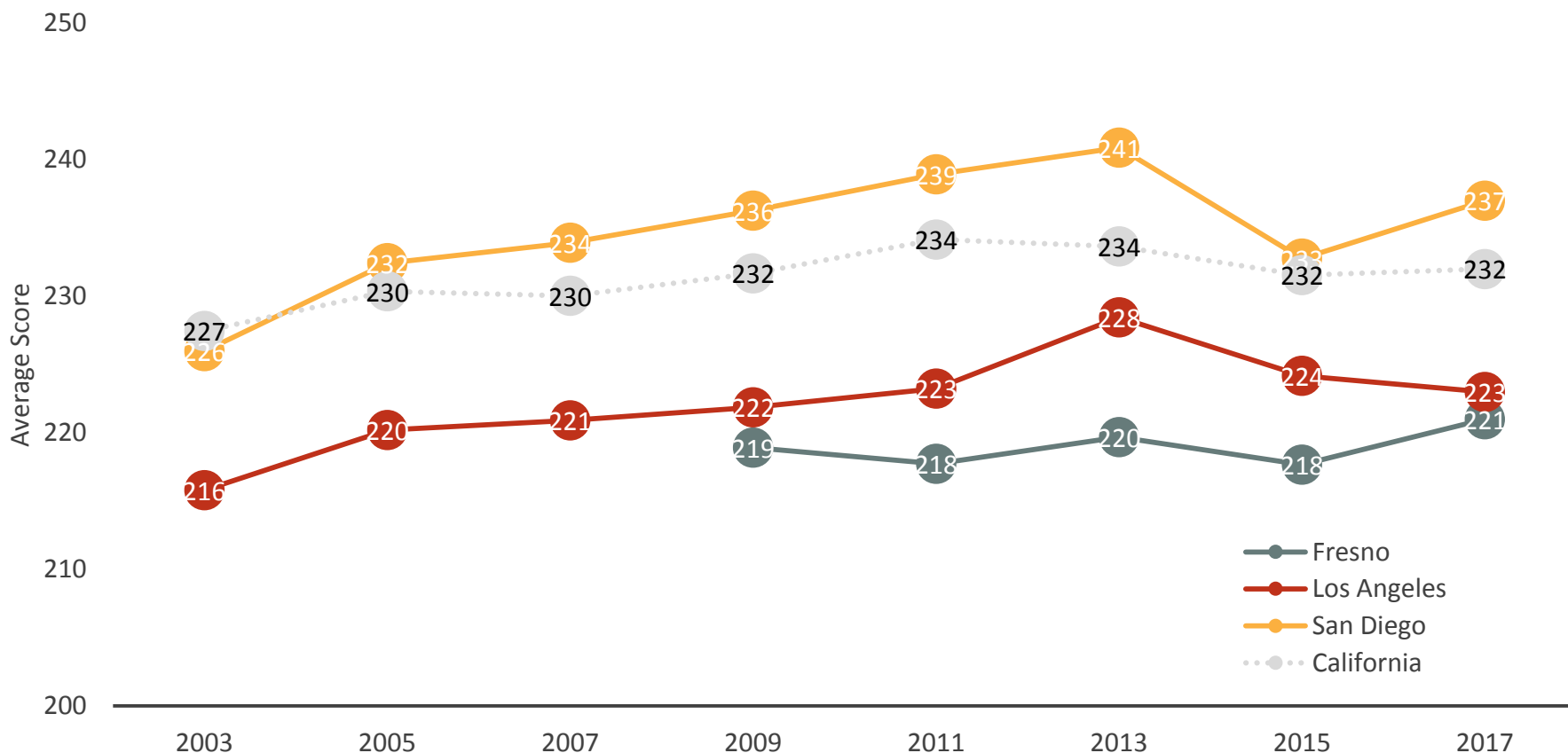
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). Note: Rankings exclude National and Large City average scores.

# 2017 California TUDA District Achievement on NAEP 4<sup>th</sup> Grade Reading



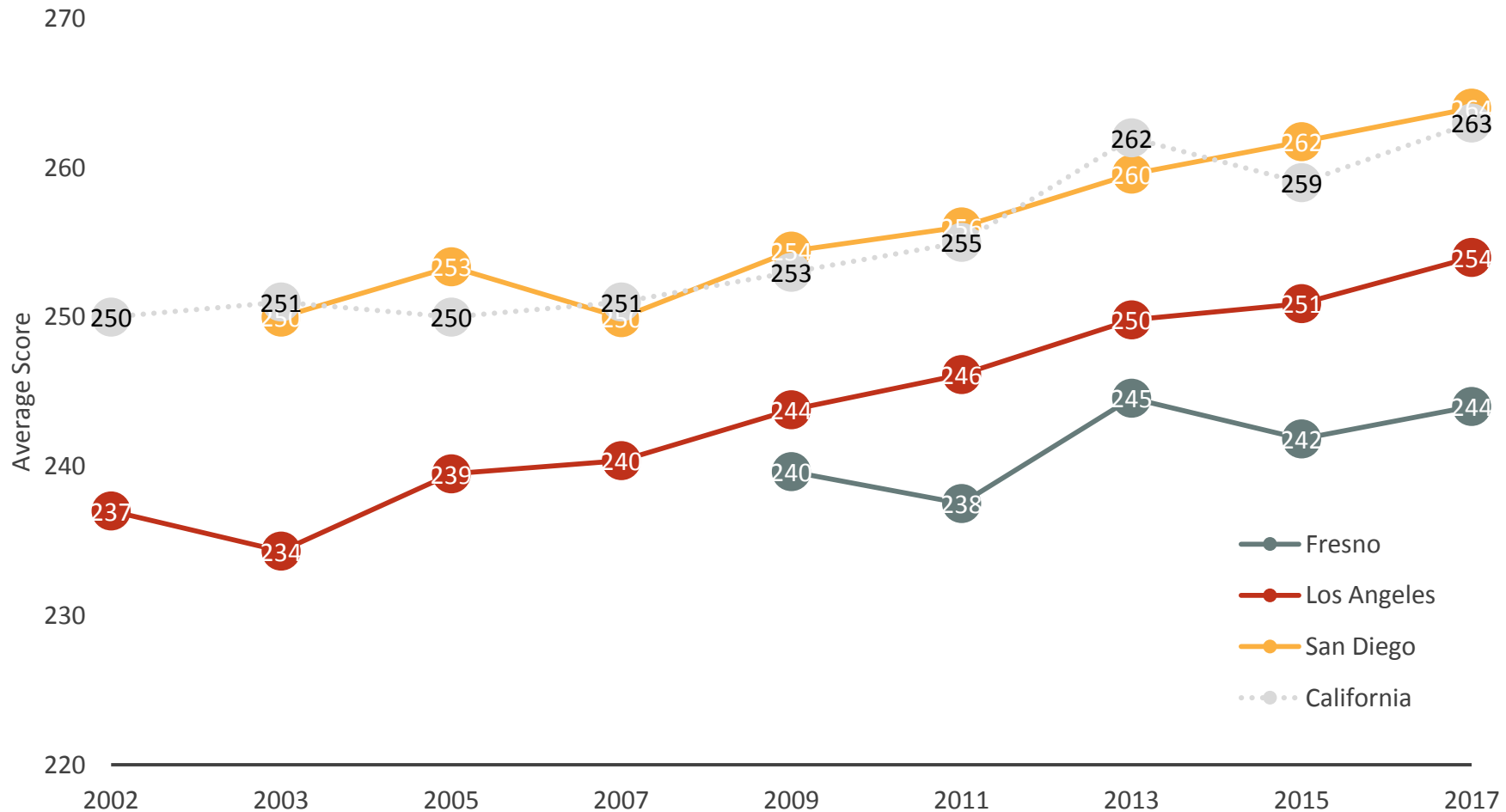
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). San Diego data is only available since 2003; Fresno data is only available since 2009.

# 2017 California TUDA District Achievement on NAEP 4<sup>th</sup> Grade Math



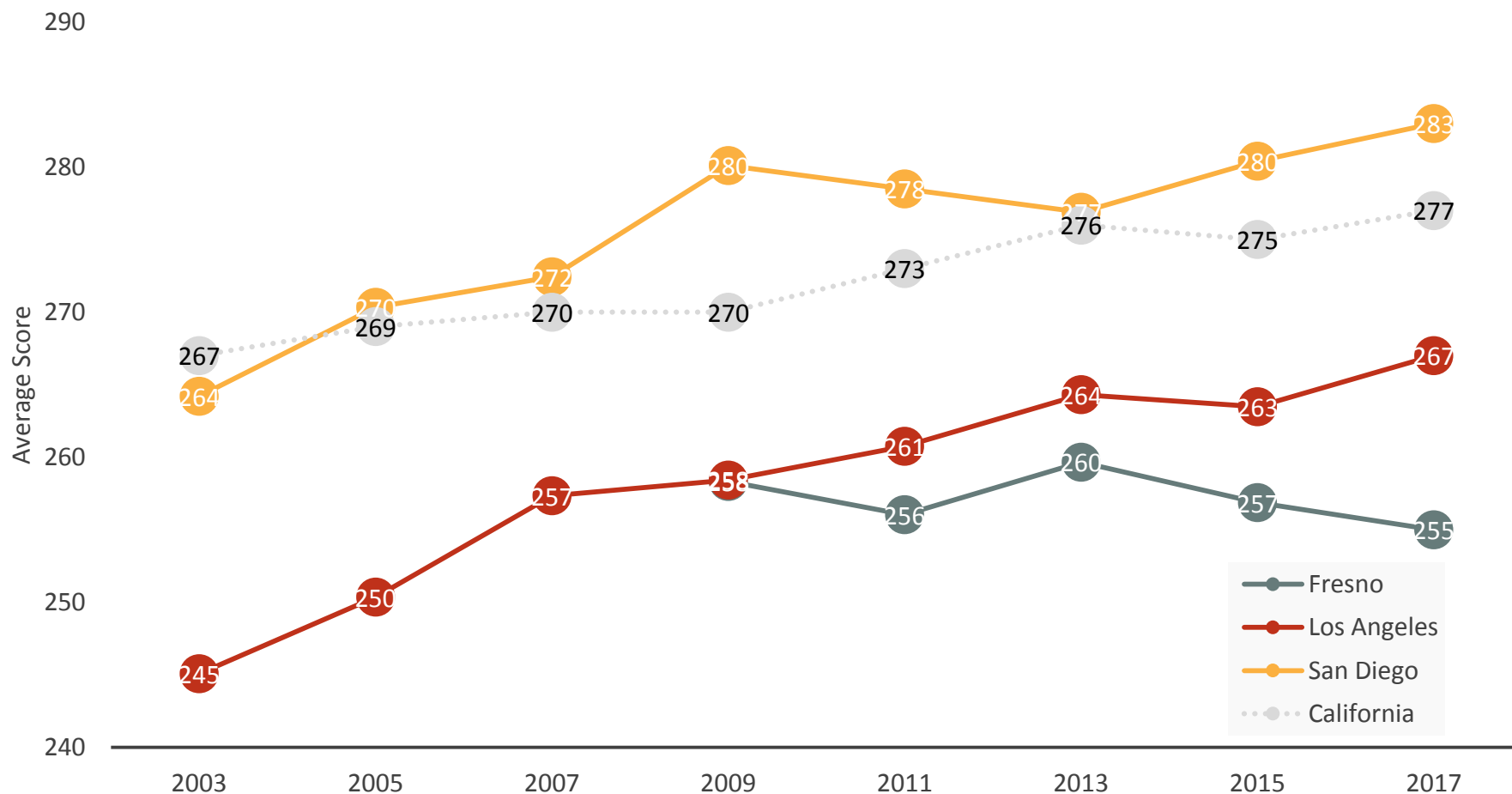
Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). San Diego data is only available since 2003; Fresno data is only available since 2009.

# 2017 California TUDA District Achievement on NAEP 8<sup>th</sup> Grade Reading



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). San Diego data is only available since 2003; Fresno data is only available since 2009.

# 2017 California TUDA District Achievement on NAEP 8<sup>th</sup> Grade Math



Source: National Assessment of Educational Progress 2017 (accessed Apr. 2018). San Diego data is only available since 2003; Fresno data is only available since 2009.