

# El Segundo Unified School District

## Math Leadership Corps Partnership 2015-2018

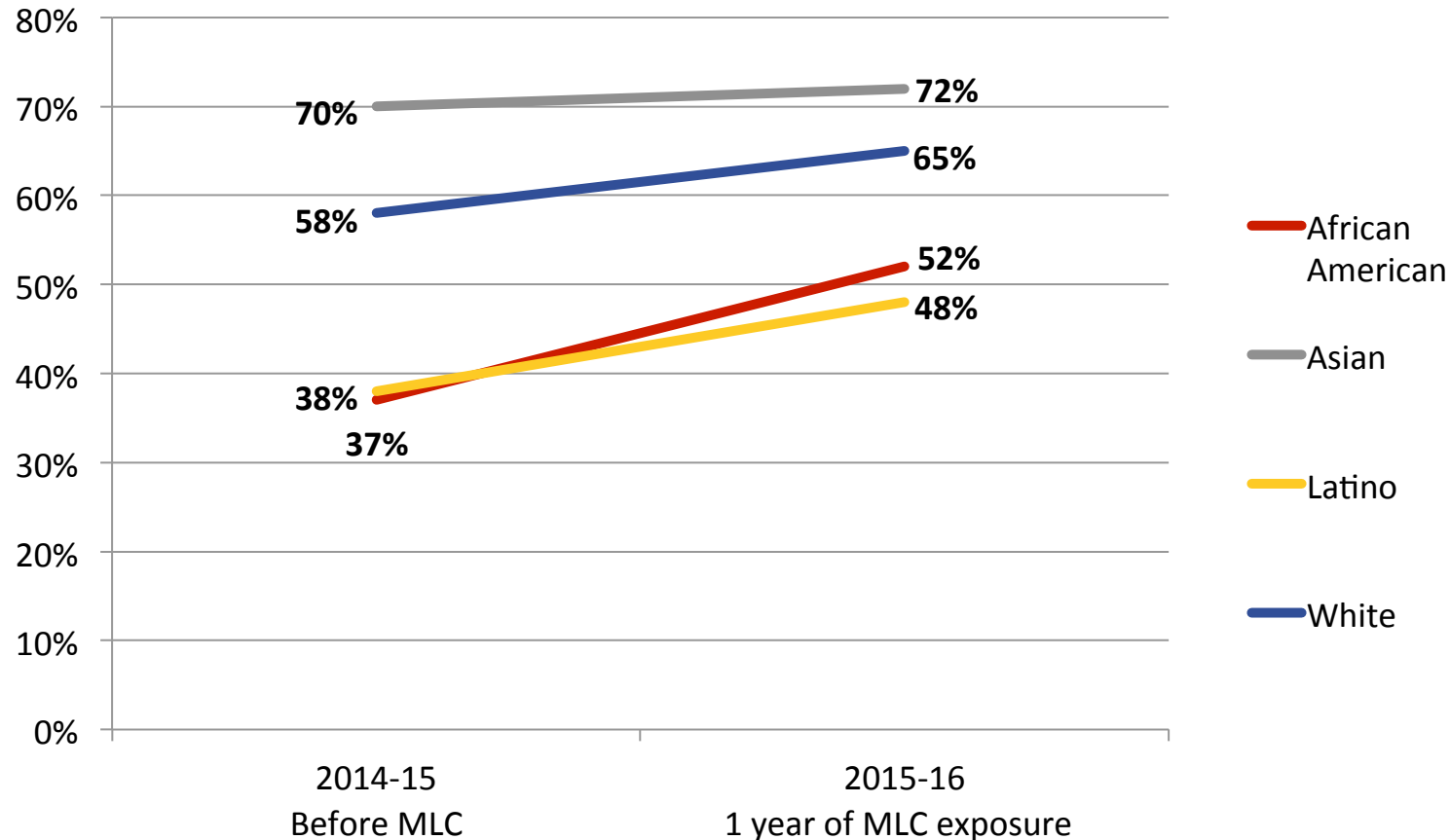
- Trained & mentored teachers on two teaching models:
  - Math Learning by Design
  - Cognitively Guided Instruction
- Worked with district & site administrators and teachers to build site-specific, sustainable Professional Learning Systems
- Developed teachers as peer coaches
- Focused on equity, access & success for students, K-12



<http://www.elsegundousd.net/>

# Closing the Achievement Gap

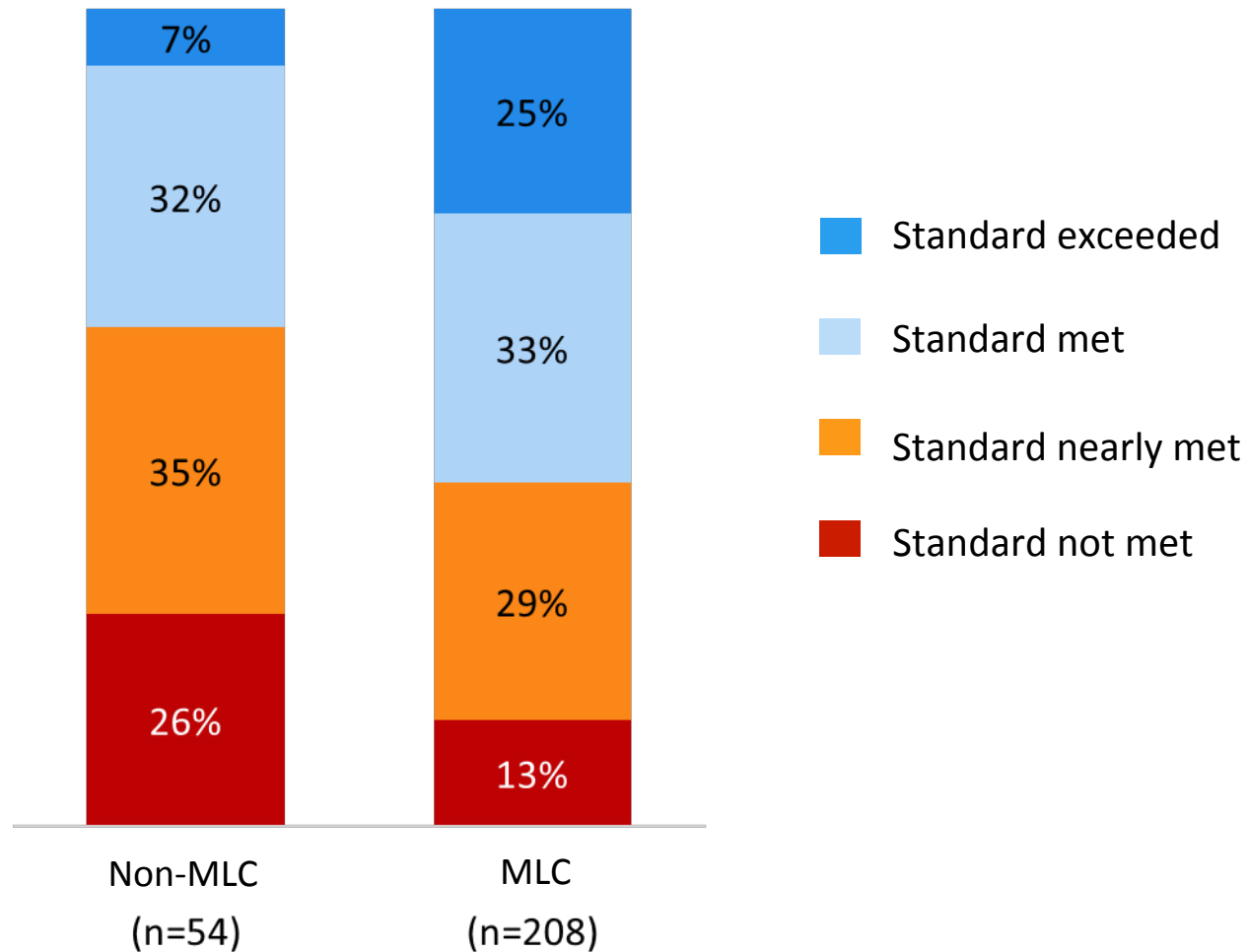
El Segundo USD 3-8 & 11 grade students who met/exceeded the 2016 Math CAASPP standards



After MLC implementation, the percentage of underrepresented minority (URM) students in El Segundo Unified School District who met or exceeded the CAASPP math standards increased. Specifically, **the percentage of African-American students who met or exceeded the standards increased from 37% in 2014-15 to 52% in 2015-16.**

# El Segundo High School Success CAASPP 2016 Results – 11<sup>th</sup> Grade

## 2016 CAASPP Scores



A higher percentage of MLC students met or exceeded the CAASPP standard compared to non-MLC students. The difference between these two groups of students was statistically significant.

# 2016 Concept Category Achievement – ESHS 11<sup>th</sup> Grade

| % Near/At or Above Standard |         |   |      |         |
|-----------------------------|---------|---|------|---------|
|                             | Non-MLC |   | MLC  | Overall |
| Concepts & Procedures       | 67%     | < | 79%* | 76%     |
| Problem Solving             | 72%     | < | 88%* | 85%     |
| Communicating Reasoning     | 81%     | < | 90%* | 89%     |

- Overall, a significantly higher proportion of 11<sup>th</sup> grade MLC students passed each of the concept categories compared to non-MLC students in 2016.
- The majority of 11<sup>th</sup> grade students scored near/at or above the standard for each of the concept categories, regardless of MLC exposure.

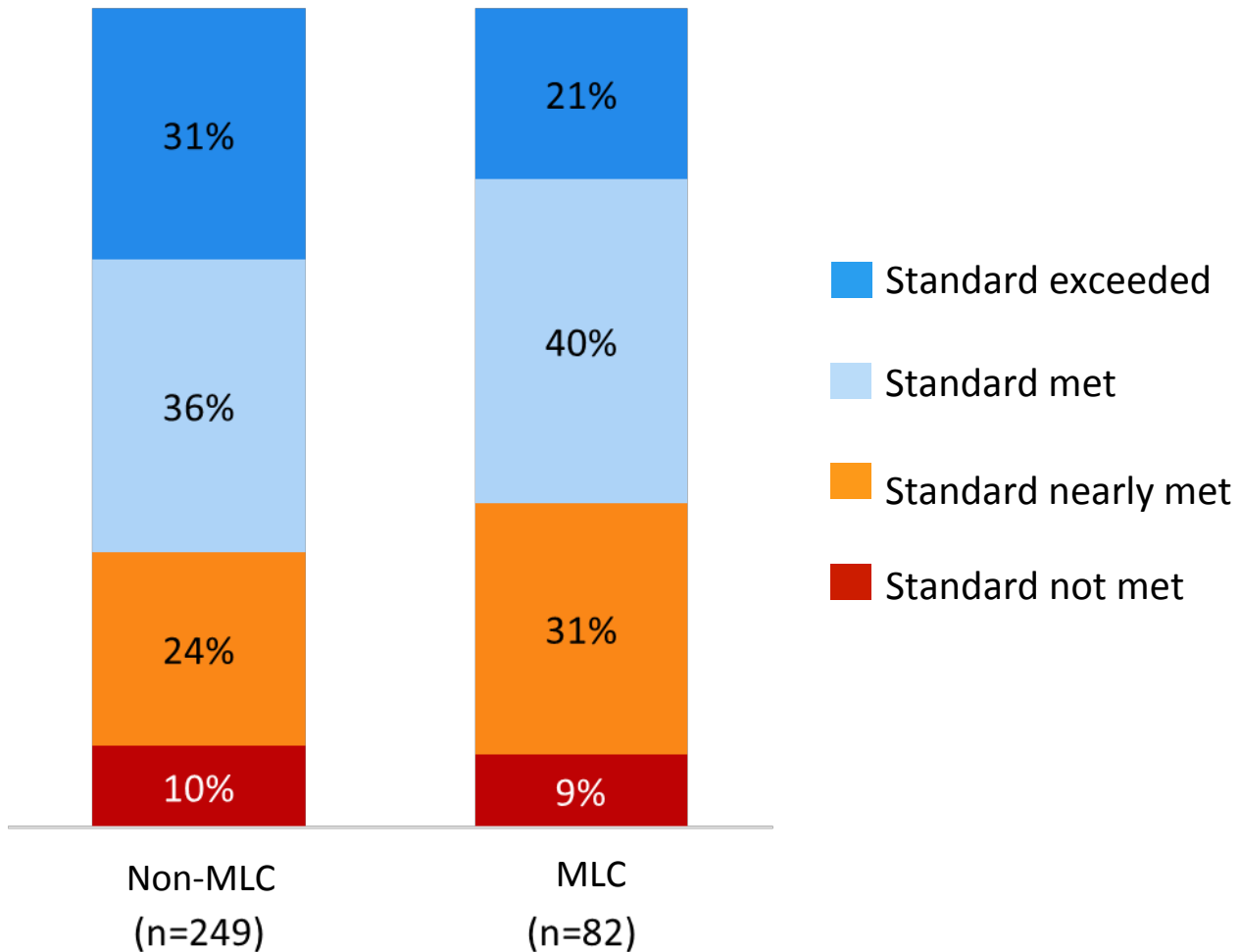
Effect size:

- Concepts & Procedures – Phi = .212, p=.003
- Problem Solving – Phi = .229, p=.001
- Communicating Reasoning – Phi = .212, p=.003

\*denotes a statistical significance

# ESUSD CAASPP Achievement 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> Grades

## 2016 CAASPP Scores



The **majority of 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> grade students met or exceeded the standard** regardless of MLC exposure. A greater proportion of non-MLD students met or exceeded the standard compared to MLD students. However, the **difference was not statistically significant** between groups.

# 2016 Concept Category Achievement ESUSD 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> Grades

| % Near/At or Above Standard |         |   |     |         |
|-----------------------------|---------|---|-----|---------|
|                             | Non-MLC |   | MLC | Overall |
| Concepts & Procedures       | 80%     | > | 77% | 80%     |
| Problem Solving             | 89%     | < | 90% | 89%     |
| Communicating Reasoning     | 89%     | > | 87% | 88%     |

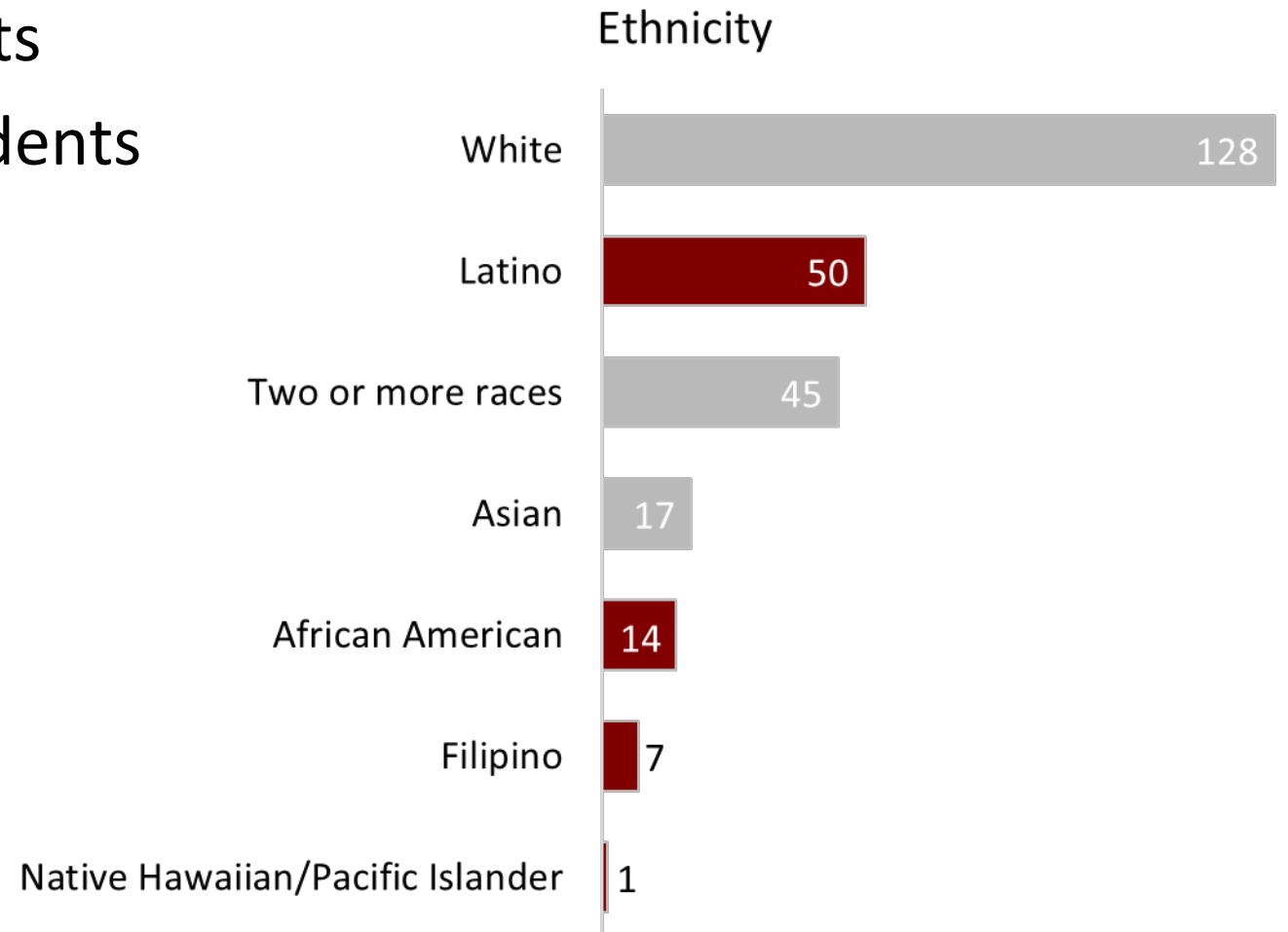
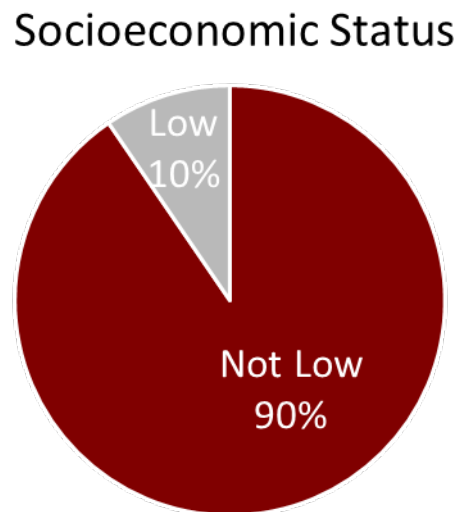
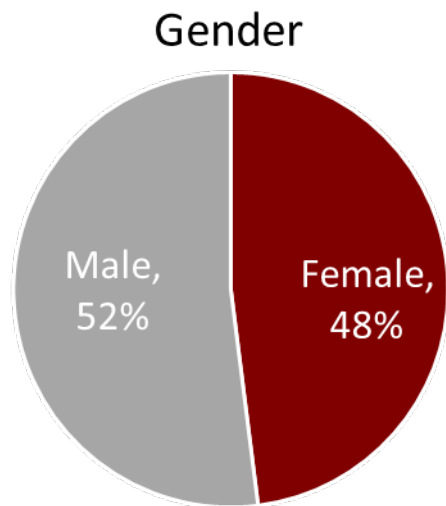
- A higher percentage of non-MLC 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> grade students met or exceeded the standards in all three concept categories. However, the difference was not statistically significant.
- Overall, the majority of 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> grade students scored near/at or above the standard for all three concept categories regardless of MLC.

#### Effect size:

- Concepts & Procedures – Phi = .037, p=.497
- Problem Solving – Phi = .021, p=.707
- Communicating Reasoning – Phi = .034, p=.534

# El Segundo High School Demographics

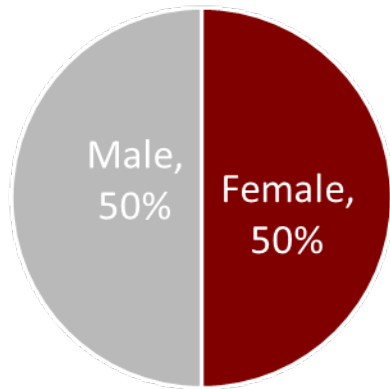
- 6 MLC teachers – 208 students
- 4 non-MLC teachers – 54 students



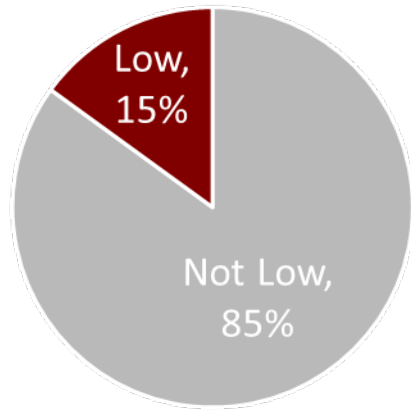
# Richmond Street & Center Street Elementary Schools Demographics – 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> Grades

- 3 MLC teachers – 82 students
- 9 non-MLC teachers – 249 students

Gender



Socioeconomic Status



Ethnicity

