

Making Gains in Math through Dual Enrollment

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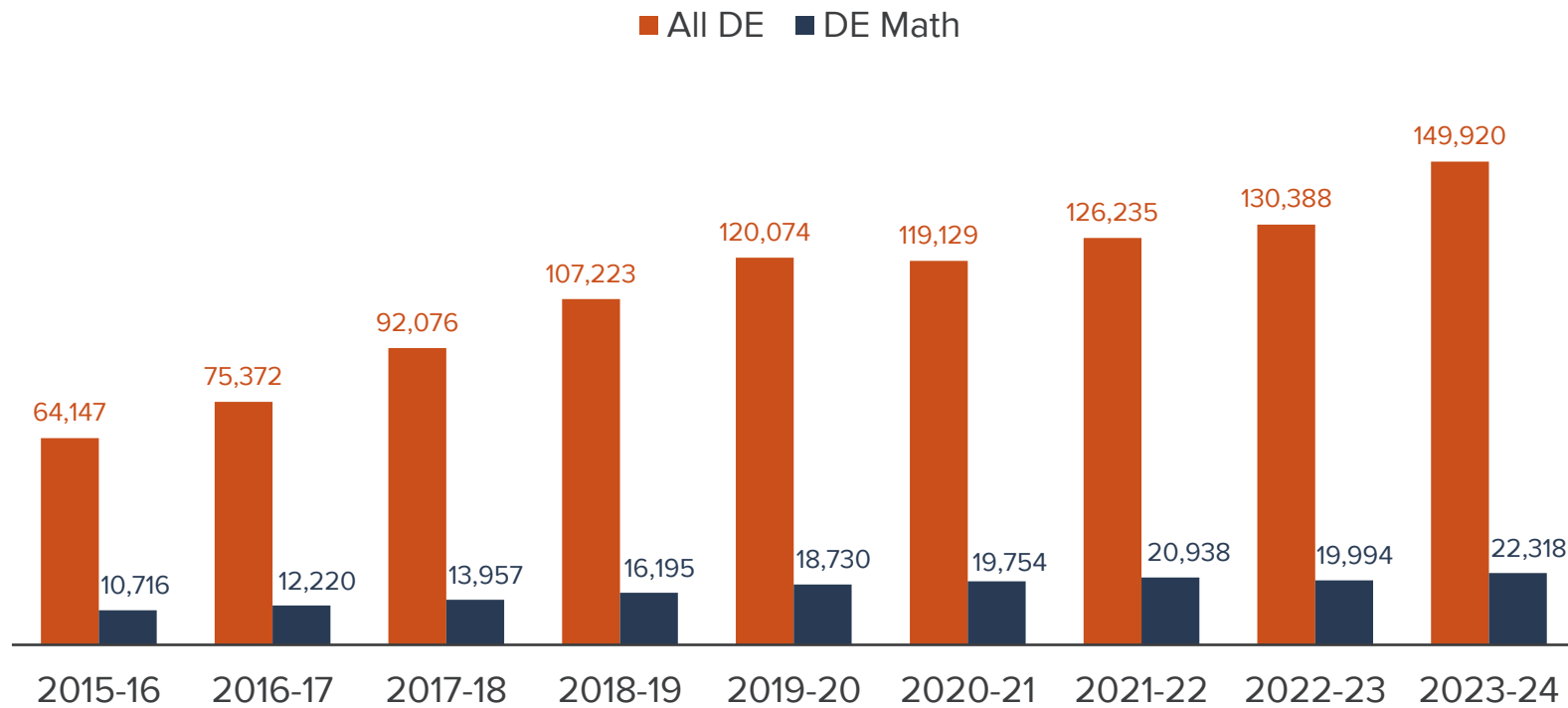
Motivation

- Legislation, investments, and policy and advocacy efforts support dual enrollment (DE) growth in California.
- DE leads to strong outcomes in high school and college.
- Math remains a major barrier to high school and college success.

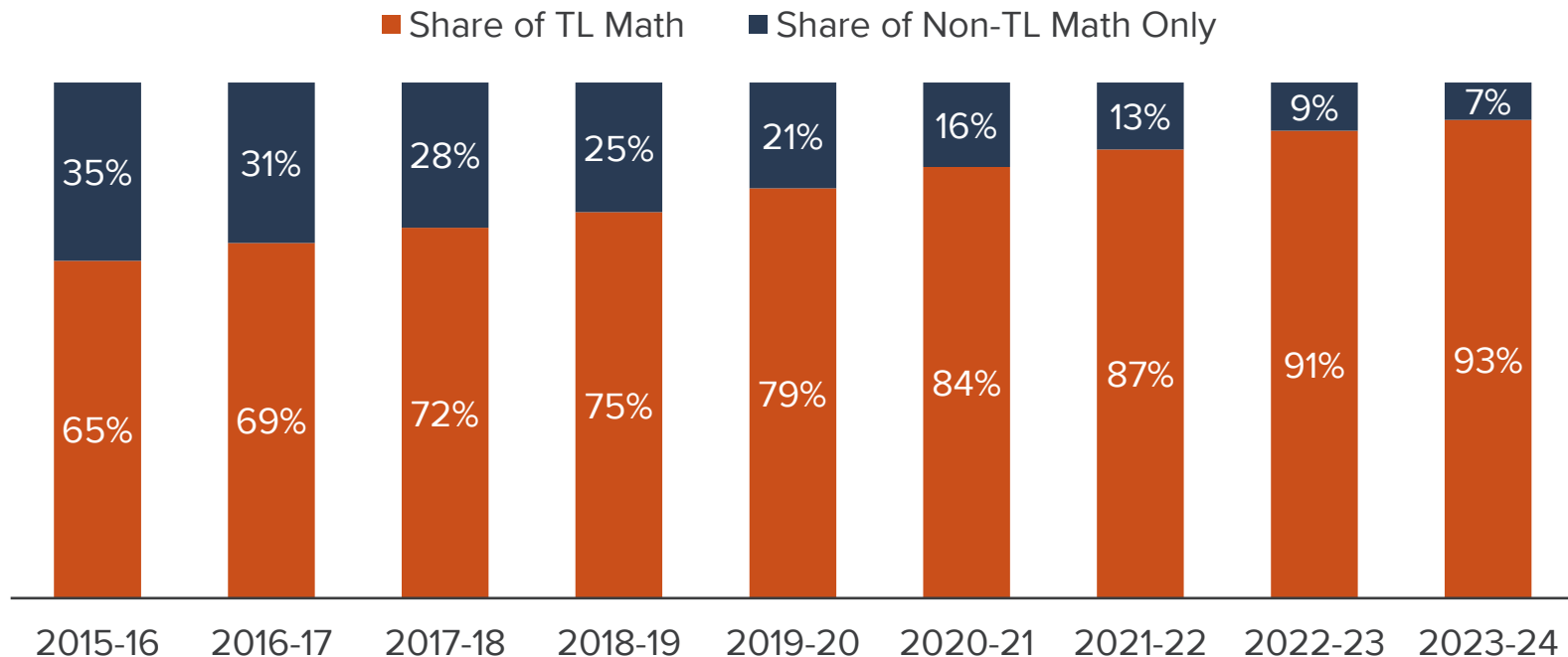
Benefits of Dual Enrollment Math

- Prevents learning loss
- Enables early gateway math completion
- Maximizes support for students

Greater numbers of students are taking DE math



Math dual enrollees now tend to take transfer-level math

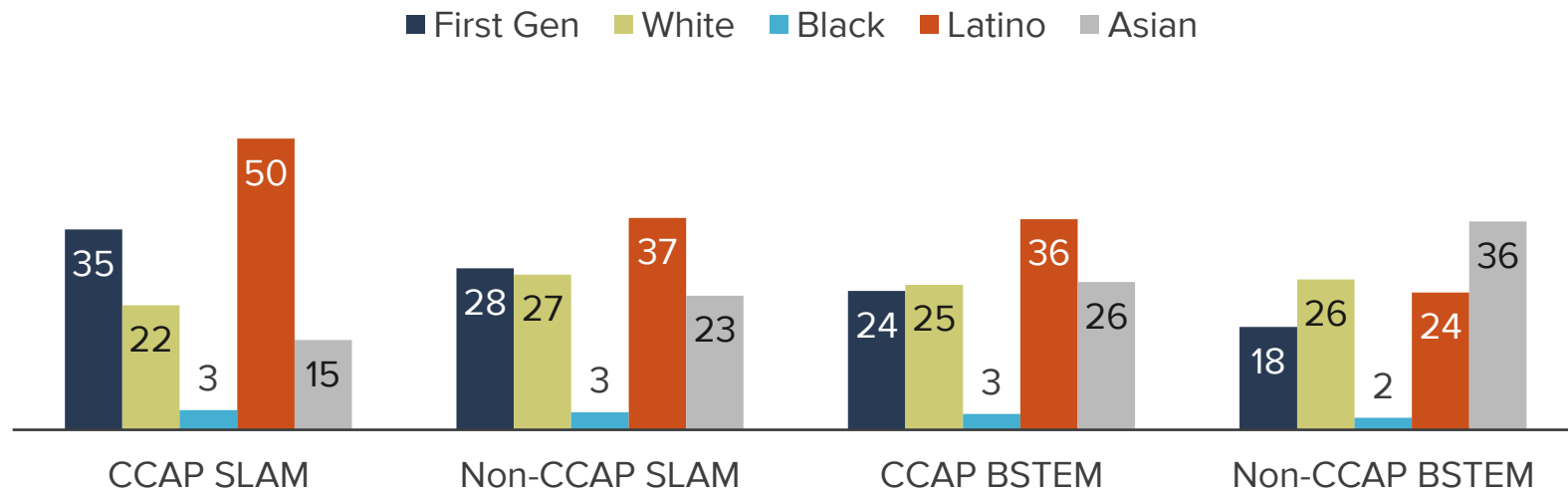


CCAP math has gained popularity

- One-third of math dual enrollees participated through College and Career Access Pathways (CCAP) in the class of 2022–23.
- CCAP improved equity among underserved student groups.

Shares of first-generation, Latino, and Black students are more representative in CCAP

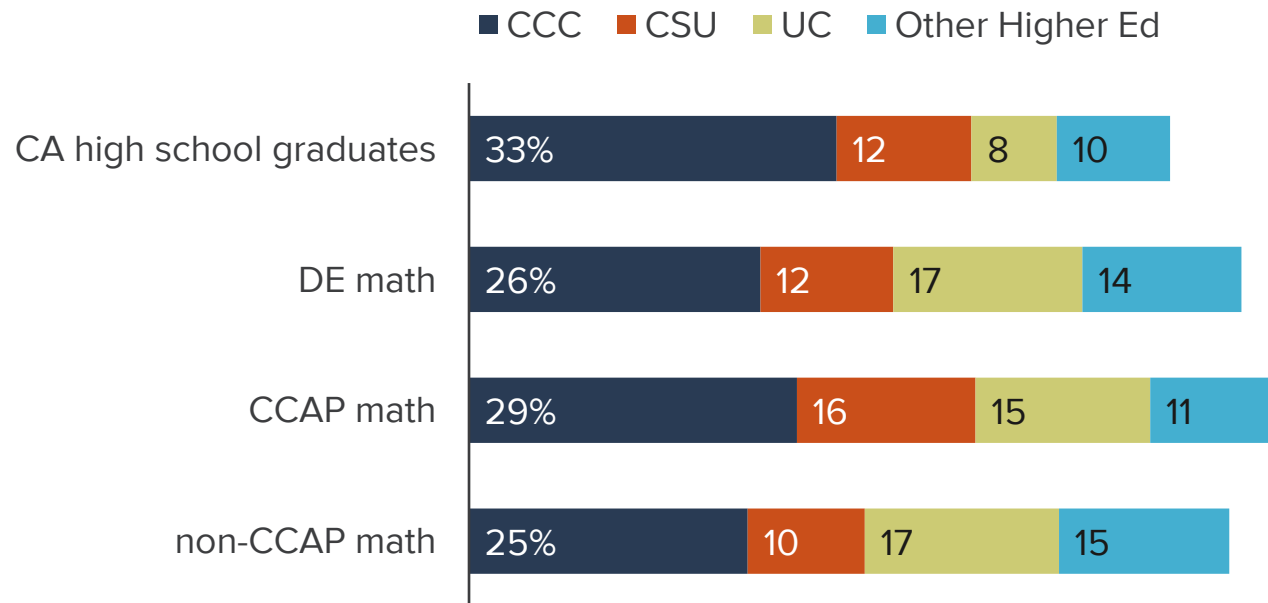
Percent



SLAM=Statistics and Liberal Arts Math

BSTEM=Business, Science, Engineering, Technology, and Math

Math dual enrollees have higher college-going rates than all CA high school graduates

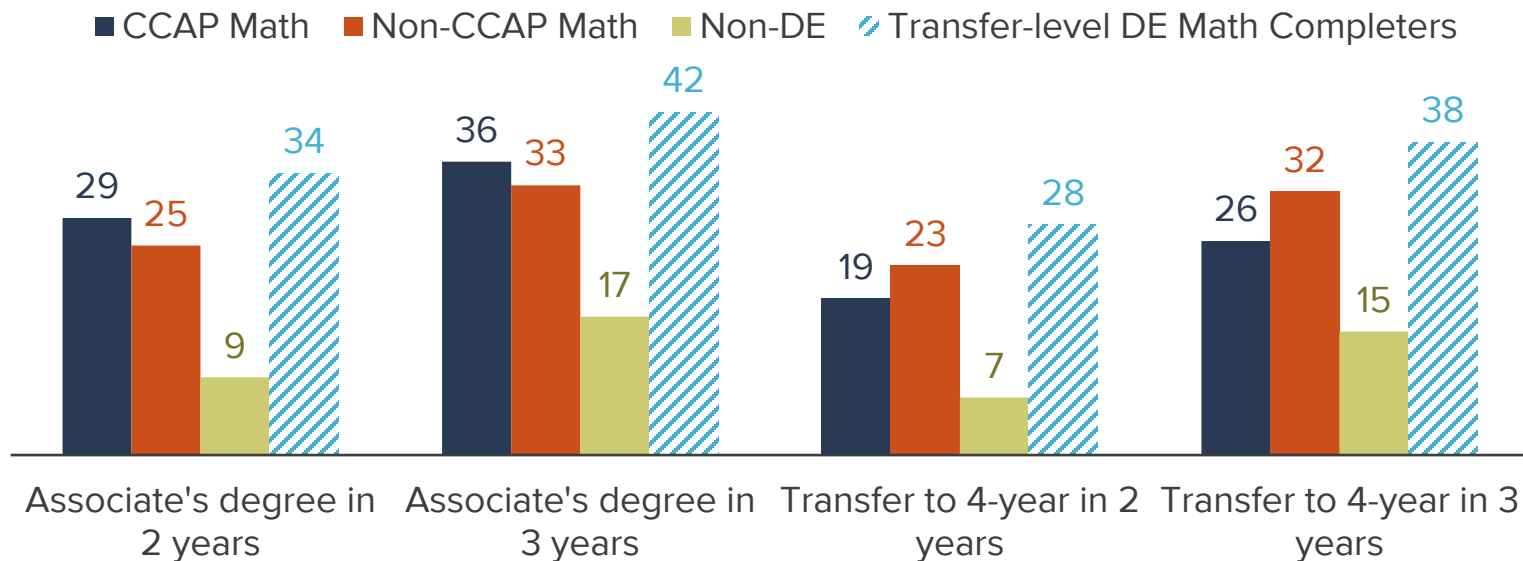


Math dual enrollees have greater success in community college

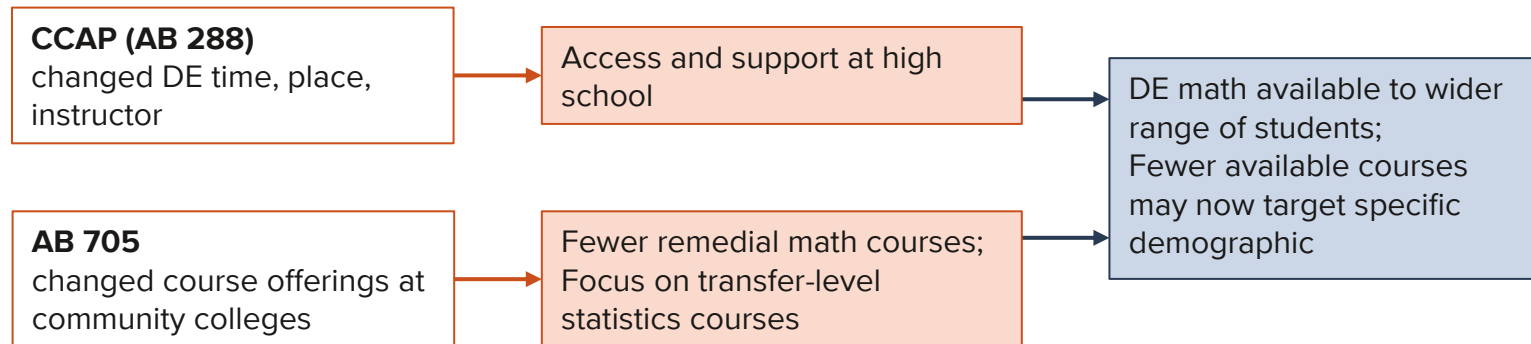
- Math dual enrollees show stronger early momentum.
- Math dual enrollees show better performance by their first college year.

Math dual enrollees achieve better degree/transfer outcomes at community college

Percent



Implementation of DE Math – Key Findings from Interviews



Opportunities with implementing DE Math

- Policy reforms in remedial education changed how community colleges offer DE math.
- CCAP shaped clearer pathways for DE math.
- CCAP expanded DE math to underserved regions and created more support

Challenges with implementing DE Math

- Alignment between community colleges and high schools
- Variation in student recruitment and implications for math access and success

Recommendations

- Prioritize underserved groups for CCAP math enrollment
- Use academic resources and invest in high school-college partnerships to support success
- Find innovative ways to increase the supply of dual enrollment math
- Facilitate collaboration between high school and college instructors
- Share data to maximize efficacy and efficiency

Notes on the use of these slides

These slides were created to accompany a presentation. They do not include full documentation of sources, data samples, methods, and interpretations. To avoid misinterpretations, please contact:

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Thank you for your interest in this work.