

Data, Dashboards, and Tools, Oh My! From Novice to Pro with National DE Data

<https://tinyurl.com/ccrc-nacep-2024>

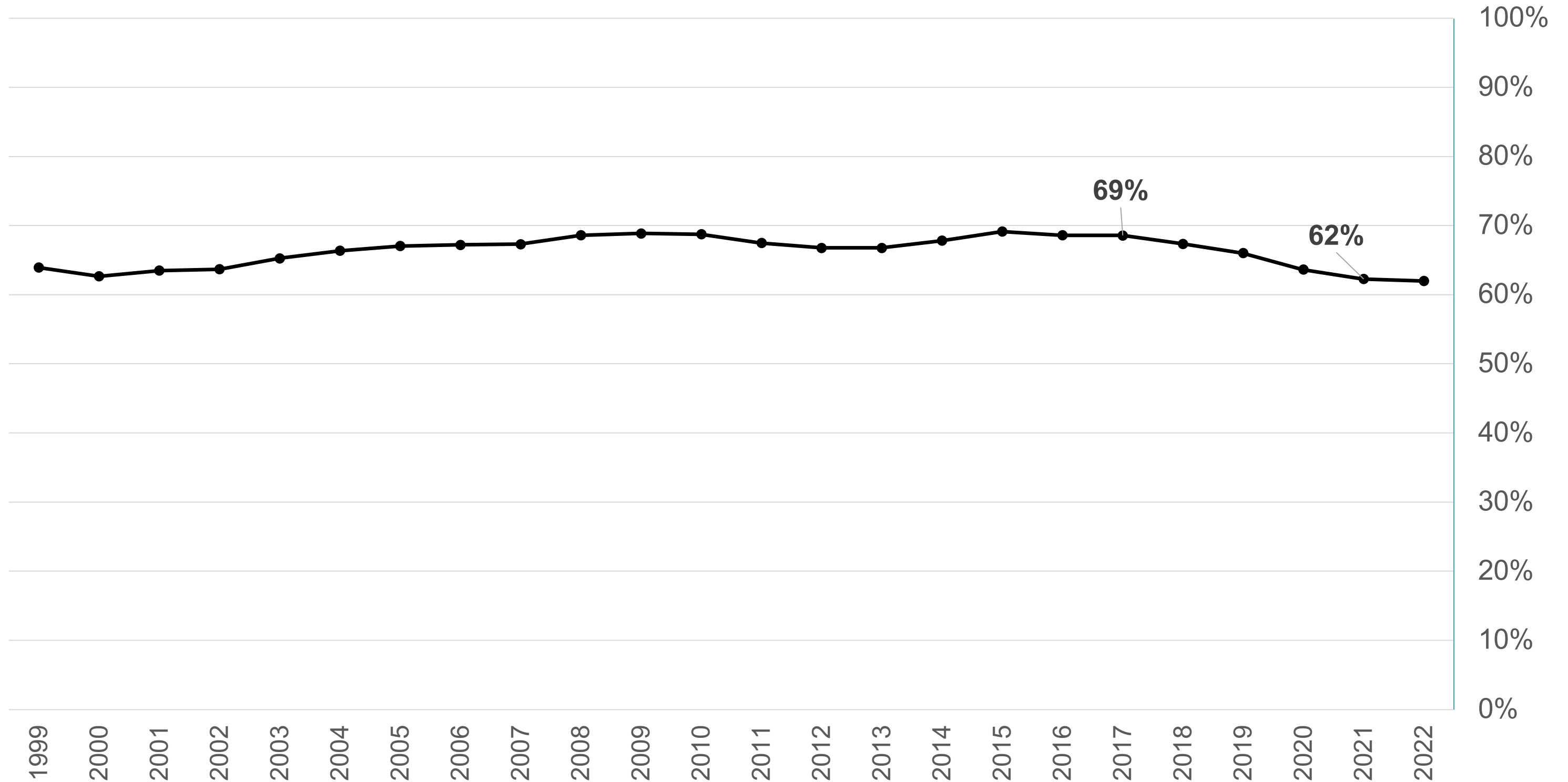
John Fink
CCRC Senior Research Associate & Program Lead

Dianne Lassai Barker
NACEP Director of State Engagement

NACEP 2024

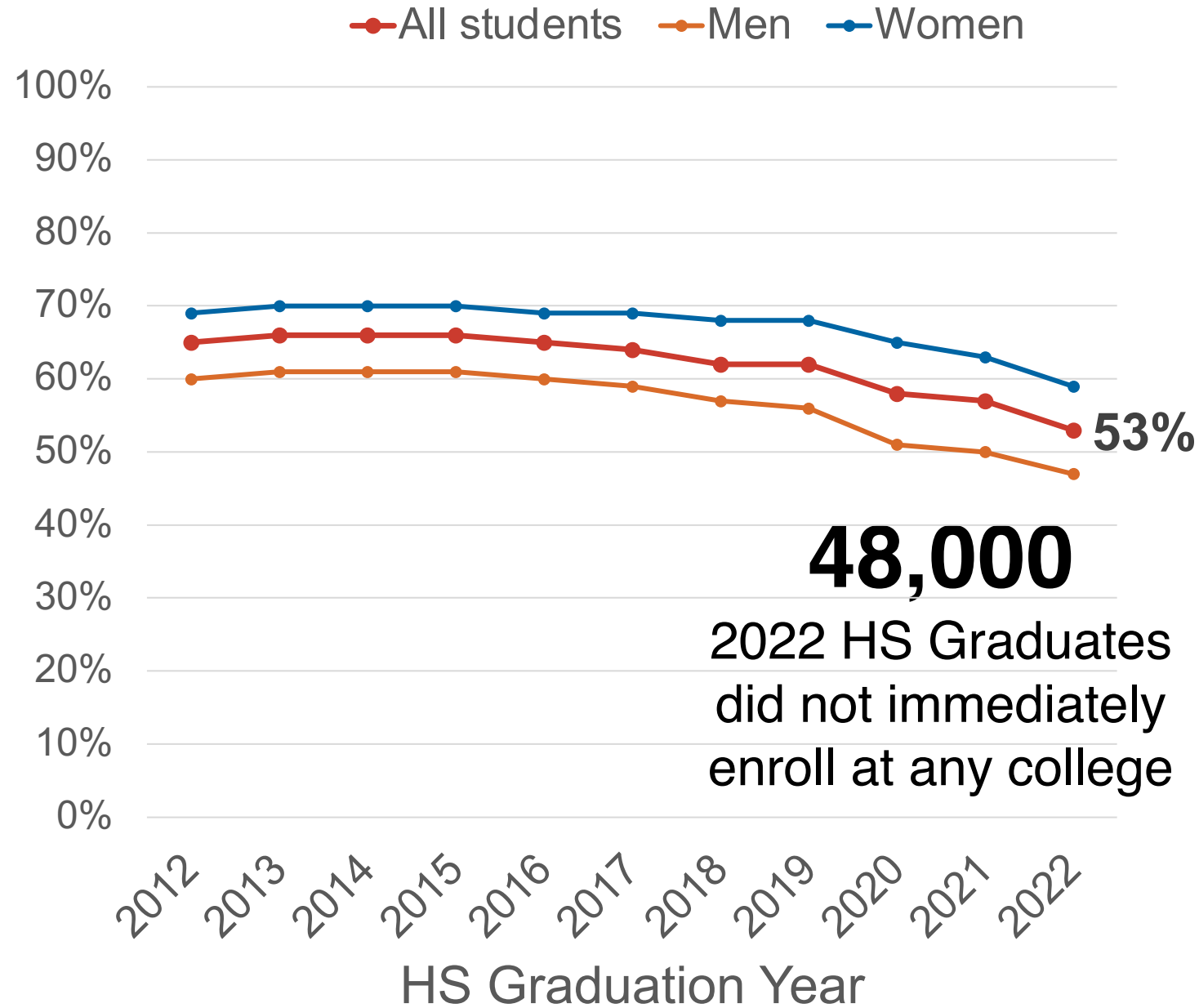
The Case for Further Investment in Dual Enrollment in Your Community

Nationally 1 in 3 Recent HS Graduates Do Not Immediately Enroll in College

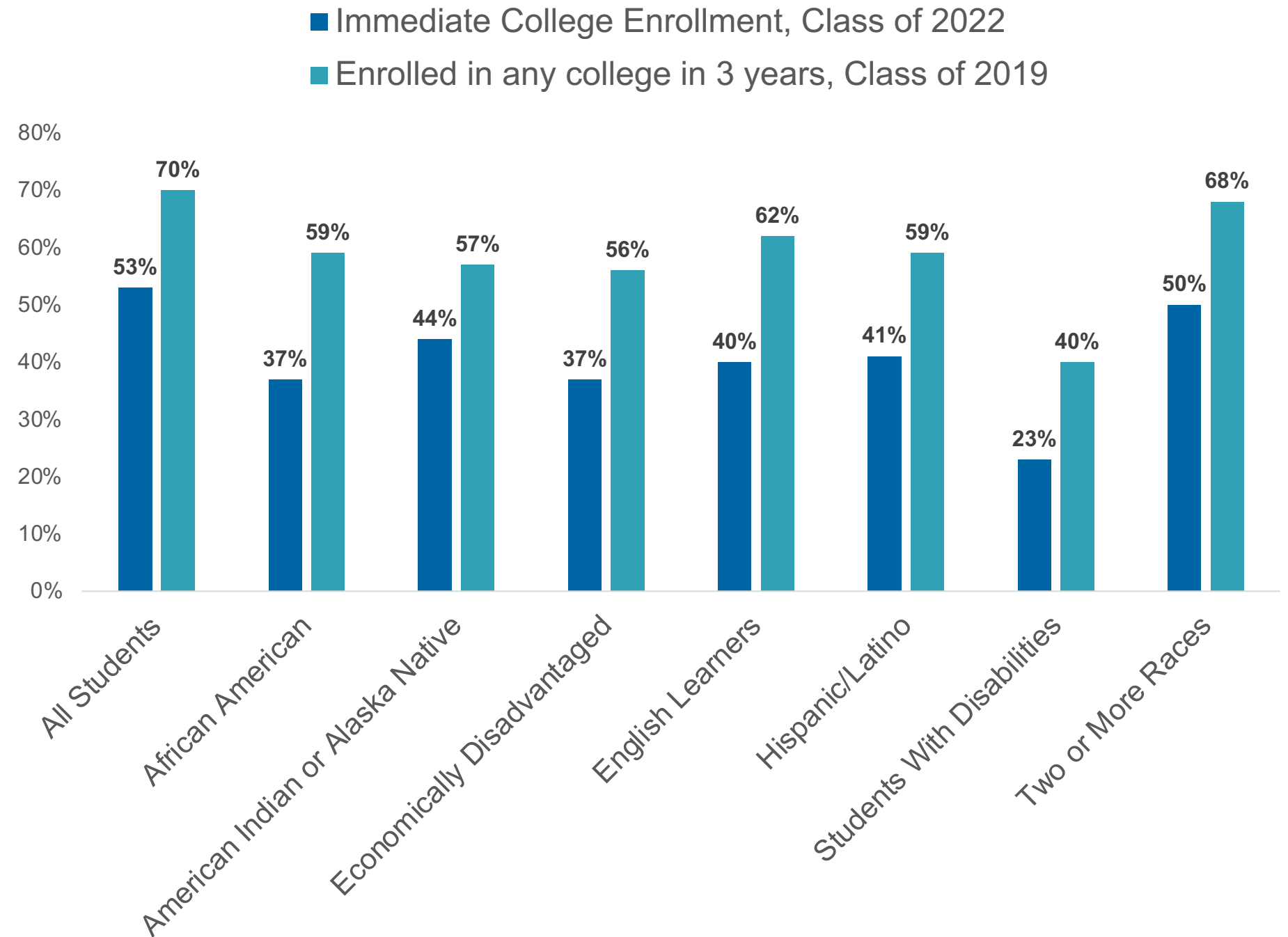


Only about half of Michigan HS Graduates Immediately Enroll in College

Percent of Michigan HS Graduates who Enrolled at Any College within 6 months



Gaps in College Access by Subgroup



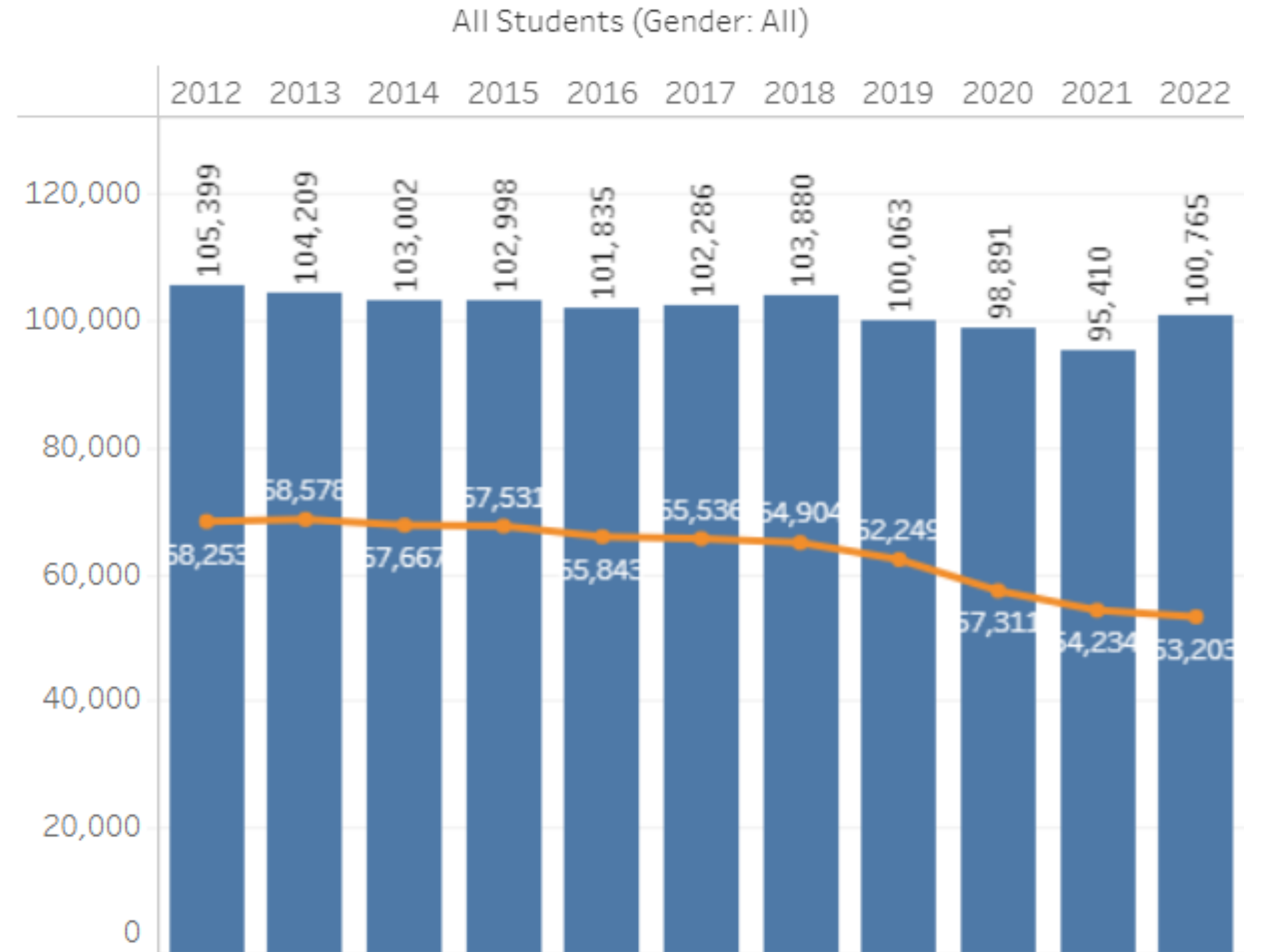
Declines in College-Going Outpace Declines in HS Class Size

Statewide HS Graduates

■ Total HS Graduates
■ Enrolled in College

Max decline in HS Graduation Size:
10k students (2012 to 2021)

Max decline in HS Graduates Immediately Enrolling at any College:
15k students (2013 to 2022)

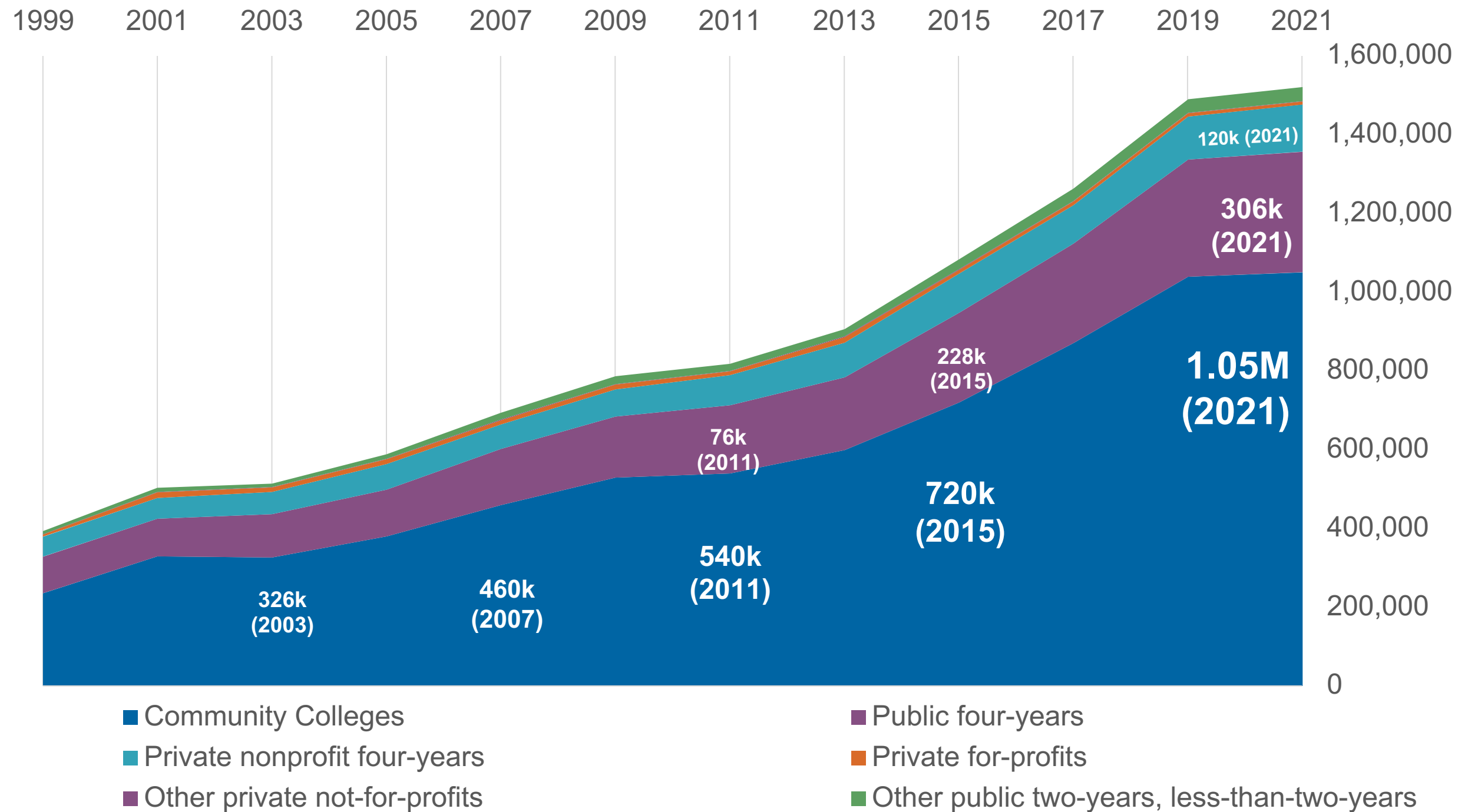


Growth of Dual Enrollment

1999-2021

IPEDES Fall Enrollments

Fall Undergraduate Enrollments among Students Aged 17 or Younger



Expansion of Dual Enrollment Concentrated at Community Colleges

2.5M First Ever Dual Enrollment Count 2022-23 in IPEDS 12-Month Enrollment Survey

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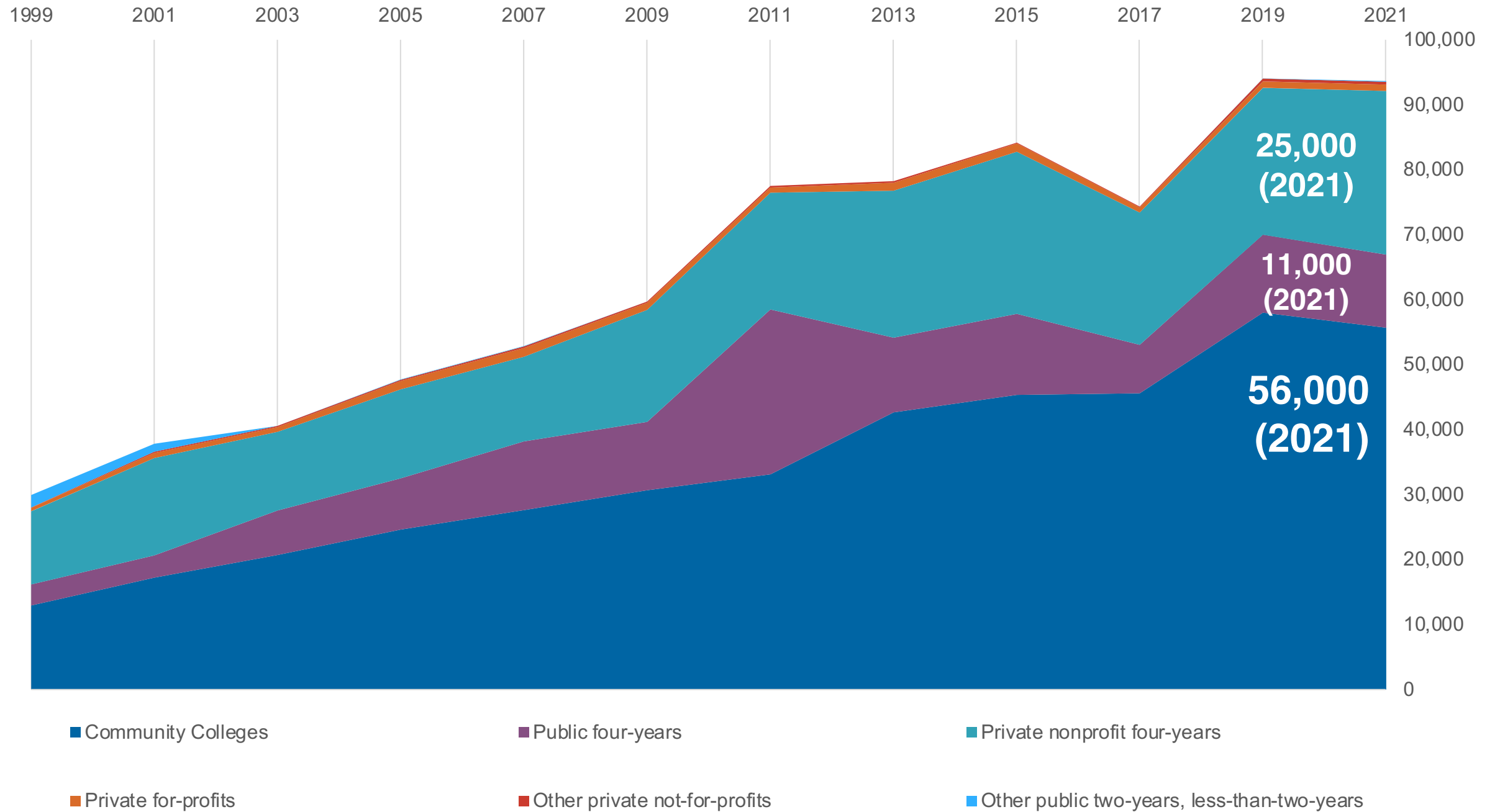
IPEDS 12-Month Enrollment Survey, 2022-23 Academic Year

New York Dual Enrollment

1999-2021

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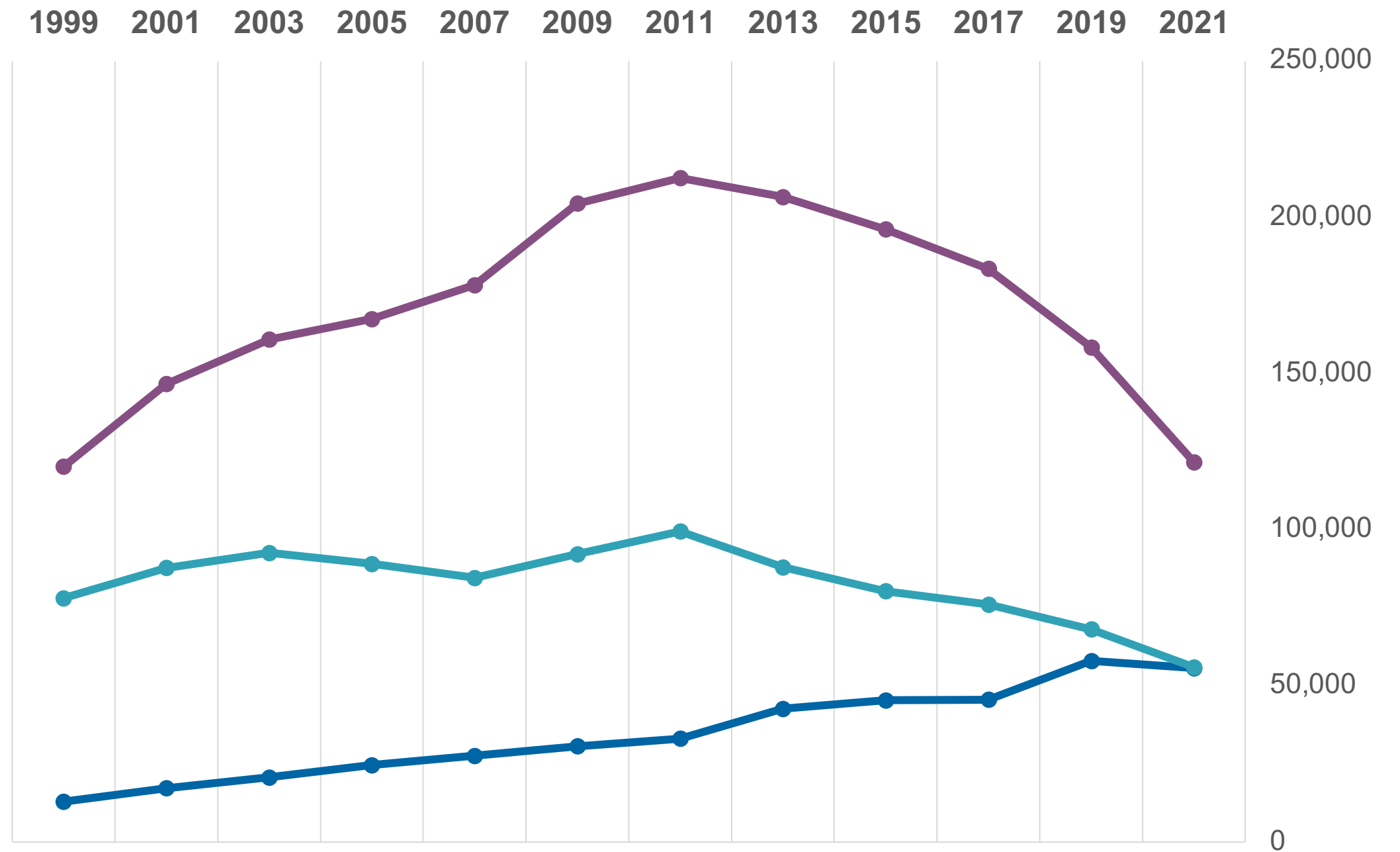
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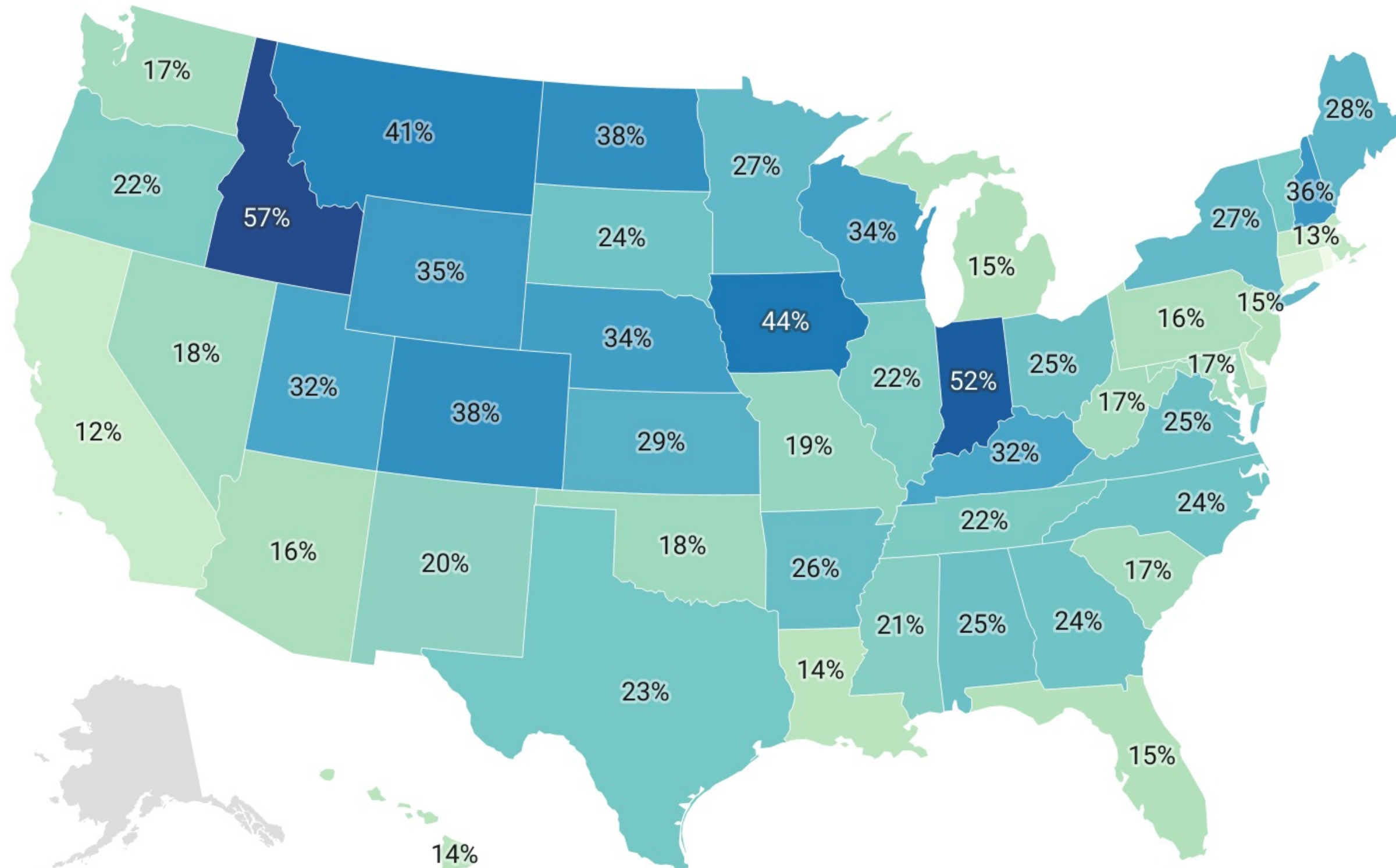
- Under 18
- Age 18-24
- Age 25+



High School Dual Enrollment on the Rise at Community Colleges

Percentage of Community College Students in High School in 2022-23

Dual enrollment as a percent of community college headcount



Dual Enrollment:
21% of 2022-23
Community College
Enrollment

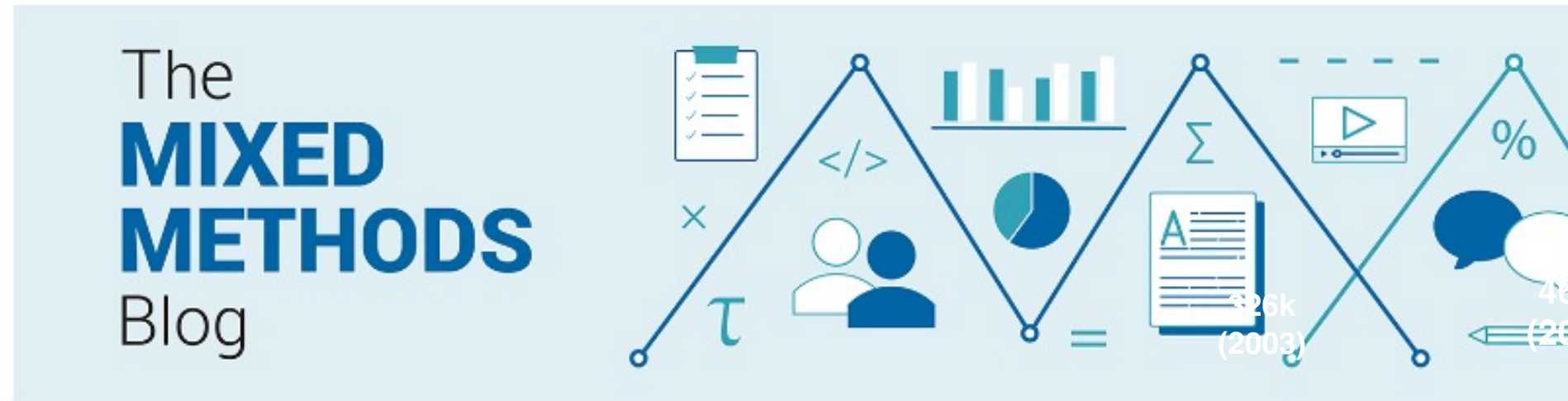
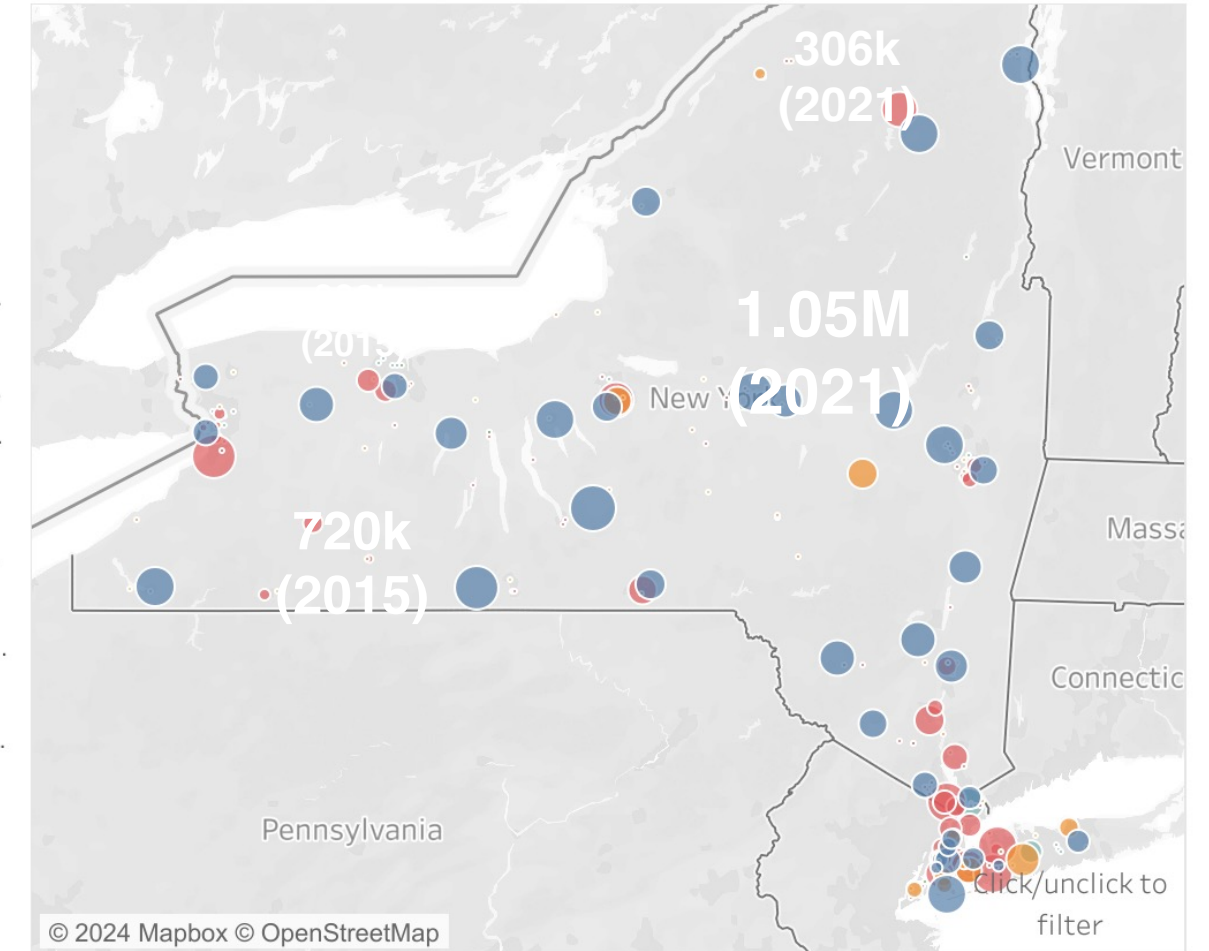


Our College is #6 in NY State for DE

Dual Enrollment Racial/Ethnic Composition by College
 IPEDS 12-Month Undergraduate Headcount, 2022-23 AY
 Provisional Release, August 2024

State Name	College	Dual Enrollment Students	DE as % of Headcount
New York	All	153,429	14%

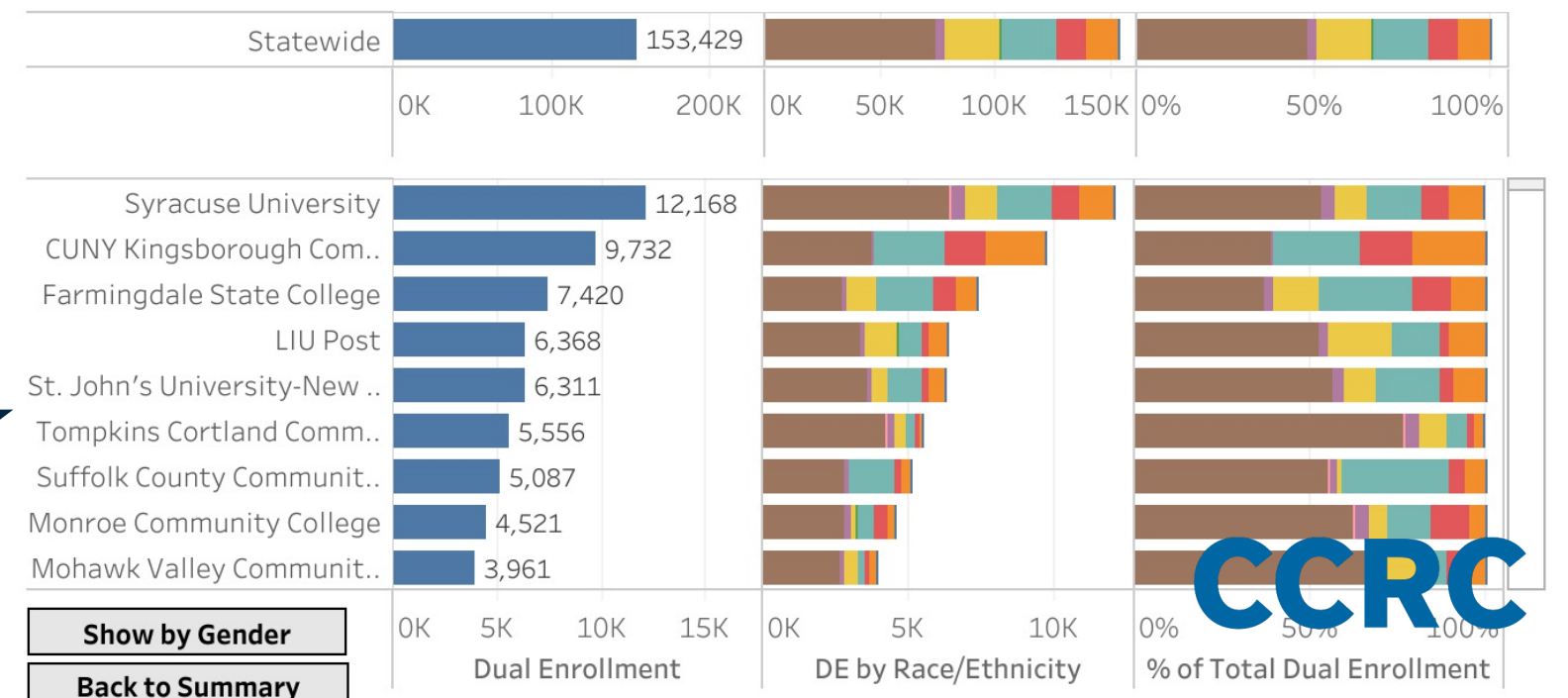
- Sector (CCRC Recode)
All
- Sector (CCRC Recode)
- Community colleges
 - Public four-years
 - Private not-for-profit ..
 - Private for-profits
 - Other private not-for-..
 - Other public two-year..
- Race/Ethnicity
- American Indian or Al..
 - Asian
 - Black or African Ameri..
 - Hispanic or Latino
 - Native Hawaiian or Ot..
 - Race/ethnicity unknow..
 - Two or more races
 - U.S. Nonresident
 - White



How Many Students Are Taking Dual Enrollment Courses In High School? New National, State, and College-Level Data

Essays · John Fink · Monday, 26 August 2024

<https://ccrc.tc.columbia.edu/easyblog/how-many-students-are-taking-dual-enrollment-courses-in-high-school-new-national-state-and-college-level-data.html>



Examine Your State's Dual Enrollment Outcomes

The Postsecondary Outcomes of High School Dual Enrollment Students: A National and State-by-State Analysis

Select State to Compare Nationally
New York

Show National Comparison
All

Dual Enrollment Sector
Total

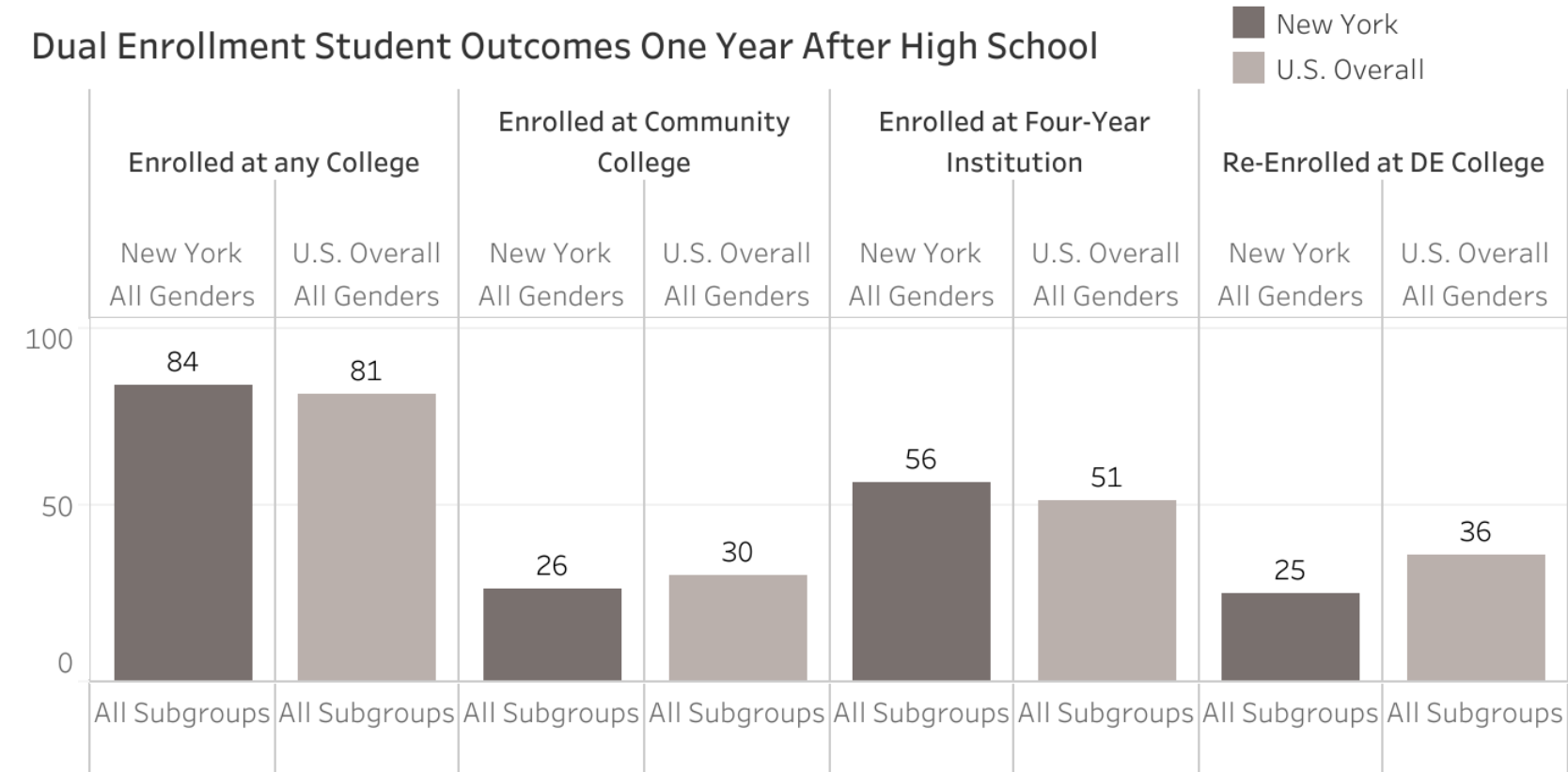
Subgroup Selection
All Subgroups

Gender
All Genders

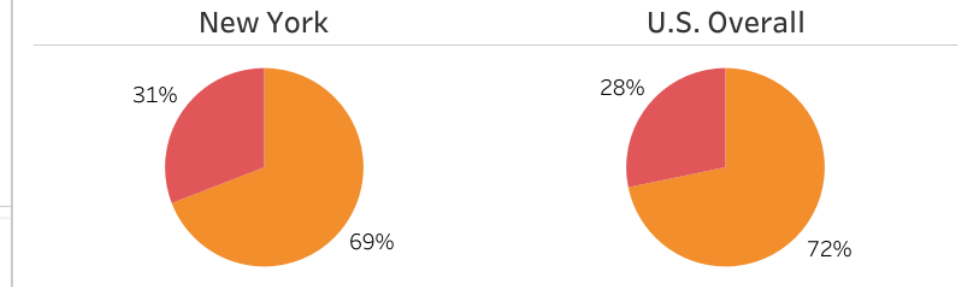
NY Dual Enrollment Students Enroll and Complete College at High Rates

25% Return to the DE College

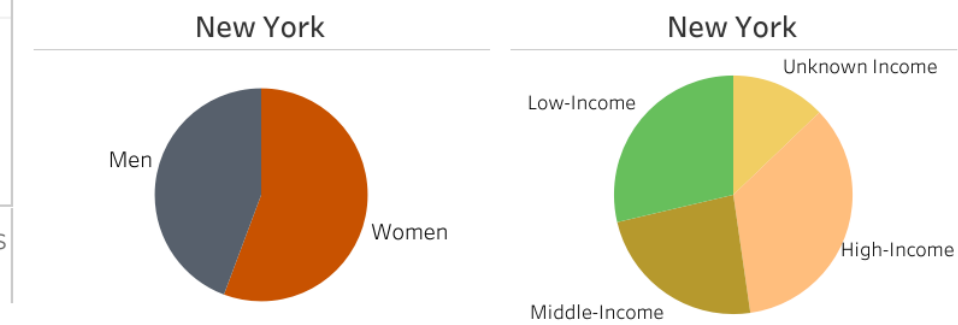
Dual Enrollment Student Outcomes One Year After High School



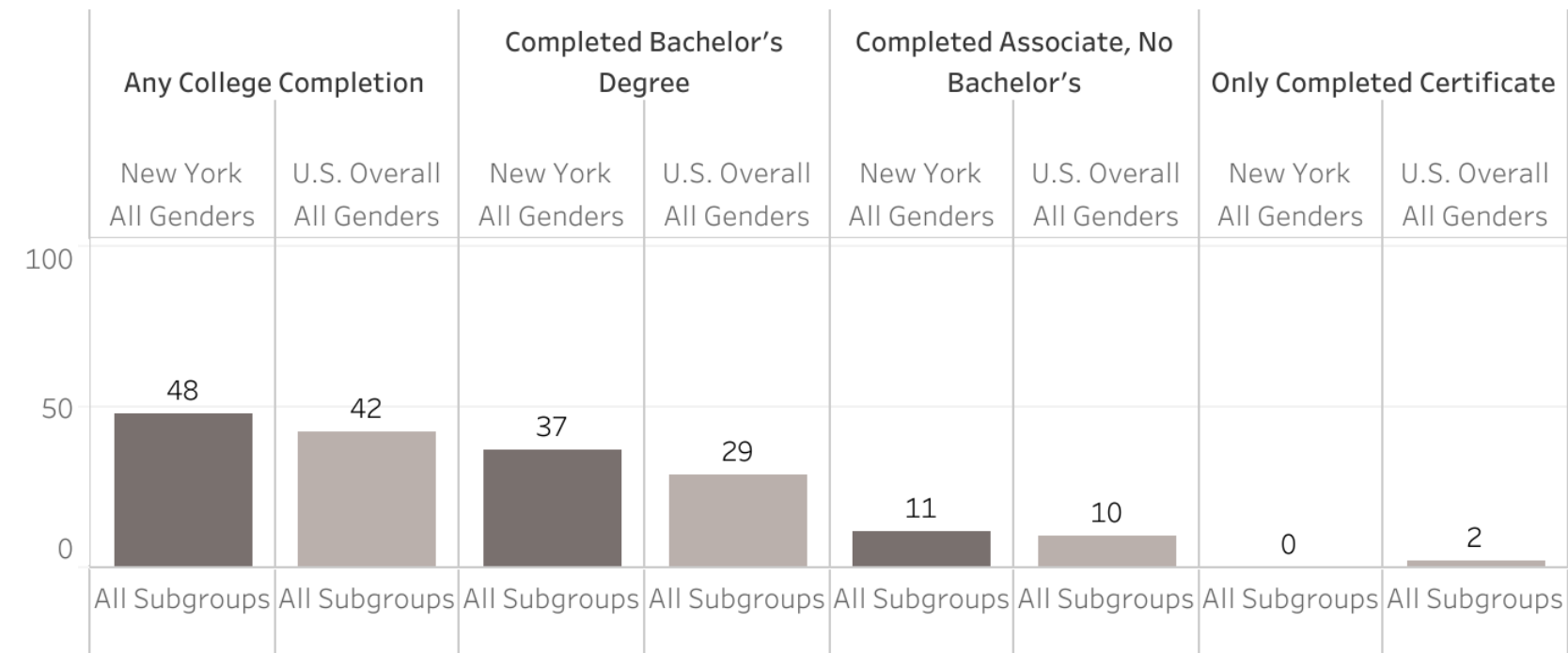
Dual Enrollment Sector Breakdown



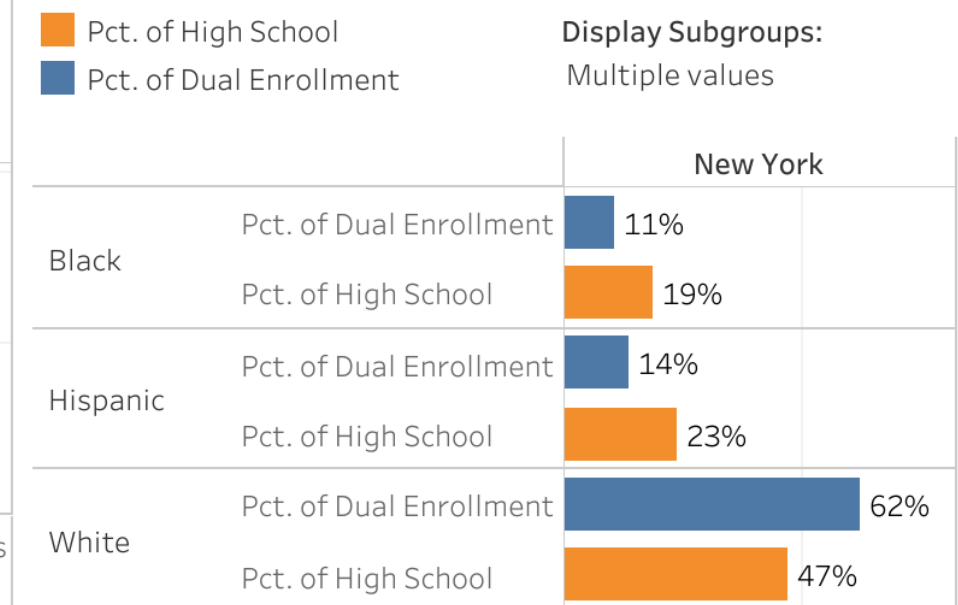
Dual Enrollment by Gender and Neighborhood Income



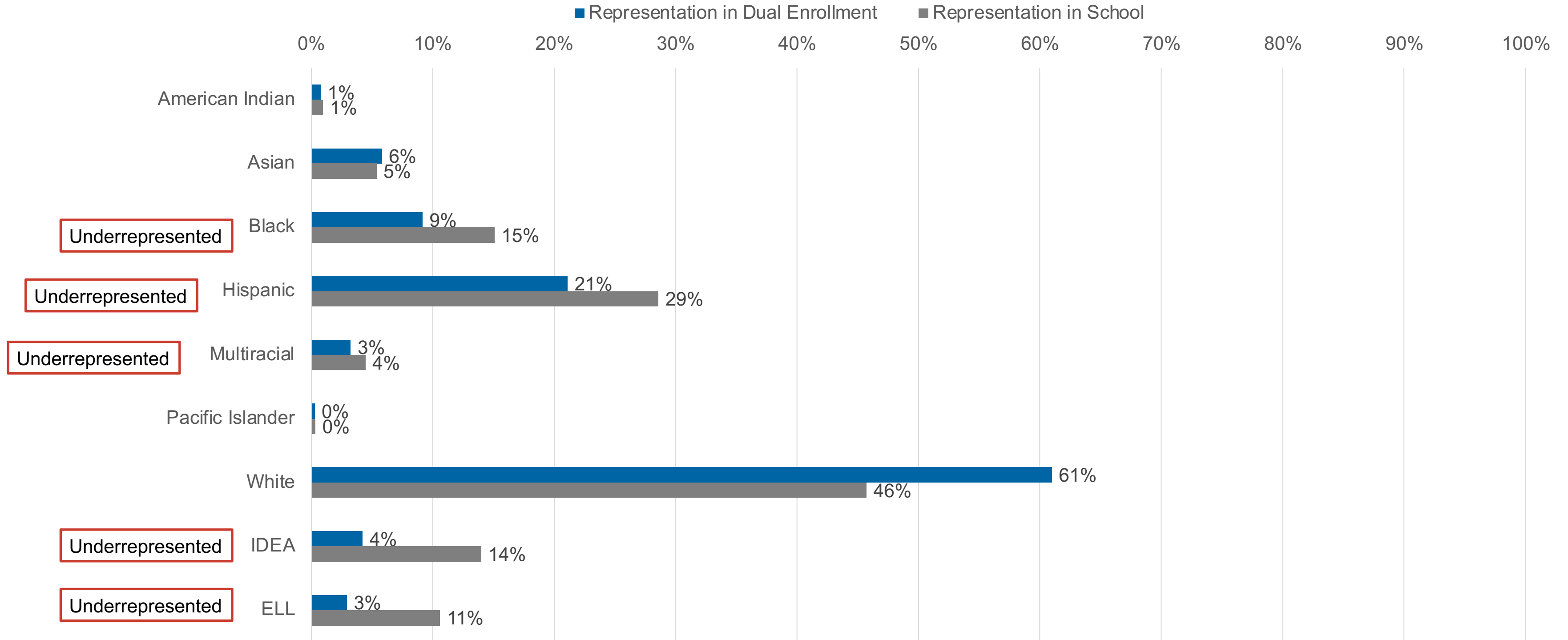
Dual Enrollment Student Outcomes Four Years After High School



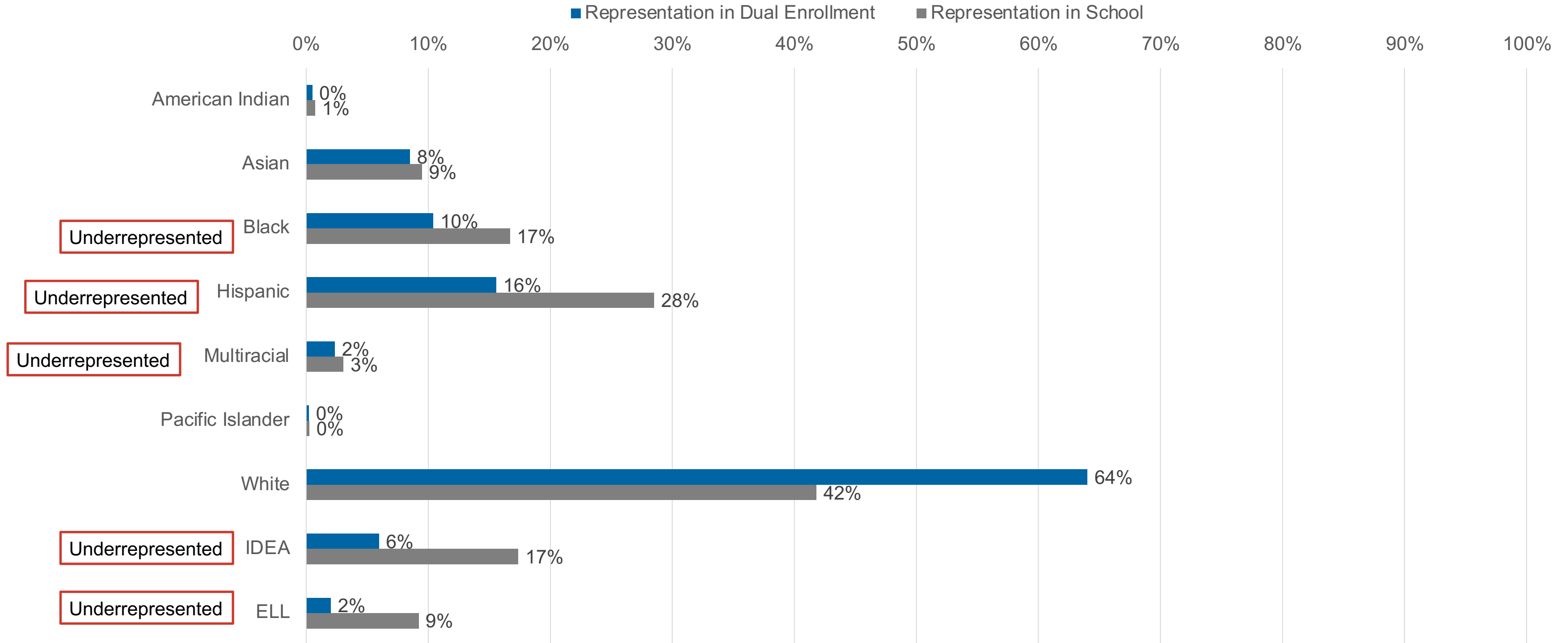
Racial/Ethnic Representation in Dual Enrollment 2015-16 CRDC Data



Representation in Dual Enrollment: U.S. Public Schools




Representation in Dual Enrollment: New York State Public Schools



Major Barriers to Dual Enrollment Participation

1. **Policies:** Lack of funding, instructor qualifications, student eligibility
2. **Practices:** Lack of outreach, advising, supports
3. **Mindsets:** Beliefs that dual enrollment is only for “advanced” students



Research Priorities for Advancing Equitable Dual Enrollment Policy and Practice

AUTHORS

JULY 2022

Jason L. Taylor, Taryn Ozuna Allen, Brian P. An, Christine Denecker, Julie A. Edmunds, John Fink, Matt S. Giani, Michelle Hodara, Xiaodan Hu, Barbara F. Tobolowsky, Willie Chen

**We Need More Investment to Fully
Leverage the Potential of Dual
Enrollment**

Data, Dashboards, and Tools, Oh My! From Novice to Pro with National DE Data

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Federal Dual Enrollment Definitions

Dual enrollment/dual credit programs provide opportunities for high school students to take college-level courses offered by colleges, and earn concurrent credit toward a high school diploma and a college degree while still in high school. These programs are for high school-enrolled students who are academically prepared to enroll in college and are interested in taking on additional coursework. For example, students who want to study subjects not offered at their high school may seek supplemental education at colleges nearby. Dual enrollment/dual credit programs do not include the Advanced Placement (AP) program or the International Baccalaureate Diploma Programme.

IPEDS Integrated Postsecondary Education Data System

Dual Enrollment refers to students who enroll in college courses offered by an institution of higher education while enrolled in high school or seeking a recognized equivalent. Student performance is recorded on a college transcript and postsecondary credit is awarded for a passing grade in the course.

- Includes: All postsecondary courses, independent of course delivery mode, course location, course instructor, whether secondary credit is also offered, and whether the student enrolls through a formal state/local program or enrolls outside a formal state/local program.

- Excludes: Credit-by-exam models such as Advanced Placement and International Baccalaureate in which the student is not enrolled in a postsecondary institution.

National Dual Enrollment Data Sources

Data Type	Data Source	Description	Example Use	How to access
K-12 School & District Enrollment	US Dept. of Education Office for Civil Rights Civil Rights Data Collection (CRDC)	Counts of DE and AP course-takers for every public K-12 school in the country, disaggregated by race/ethnicity, sex, ELL, and students with disabilities	Examine DE participation (and gaps in access) at your local high schools and districts	Individual school/district lookup: https://civilrightsdata.ed.gov/ CCRC analysis showing maps and gaps: https://ccrc.tc.columbia.edu/easyblog/ap-dual-enrollment-access-update.html
College & University Enrollment	US Dept. of Education National Center for Education Statistics Integrated Postsecondary Education Data System (IPEDS)	Fall enrollment counts of students aged 17 or younger enrolled at a postsecondary institution Available now!! 12-month DE student counts, disaggregated by race/ethnicity & gender	Compare growth of DE to college enrollment trends overall and among recent HS graduates and older adult students. Examine size, significance, and representation of DE by race/gender	Download raw IPEDS data: https://nces.ed.gov/ipeds/use-the-data View/download data analyzed by CCRC: https://public.tableau.com/profile/john.fink#!/
Students: Post-HS College Outcomes	National Student Clearinghouse Student Tracker	Schools or colleges upload student list and get returned a list of all colleges each student enrolled at, all degrees students completed	Analyze college outcomes among former DE participants: <ul style="list-style-type: none"> • Compare outcomes by partner HS, credits earned in DE, and more • Show top colleges attended after HS • Examine what college degrees students earn, and from where • Disaggregate by student race, gender, and other demographic characteristics 	Colleges: https://www.studentclearinghouse.org/colleges/studenttracker/ High schools: https://www.studentclearinghouse.org/high-schools/studenttracker/

Digging in on Data

IPEDS 12-month enrollments— Size, Significance, and Representation of DE population

2.5M First Ever Dual Enrollment Count 2022-23 in IPEDS 12-Month Enrollment Survey

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IPEDS 12-Month Enrollment Survey, 2022-23 Academic Year

The **MIXED METHODS** Blog



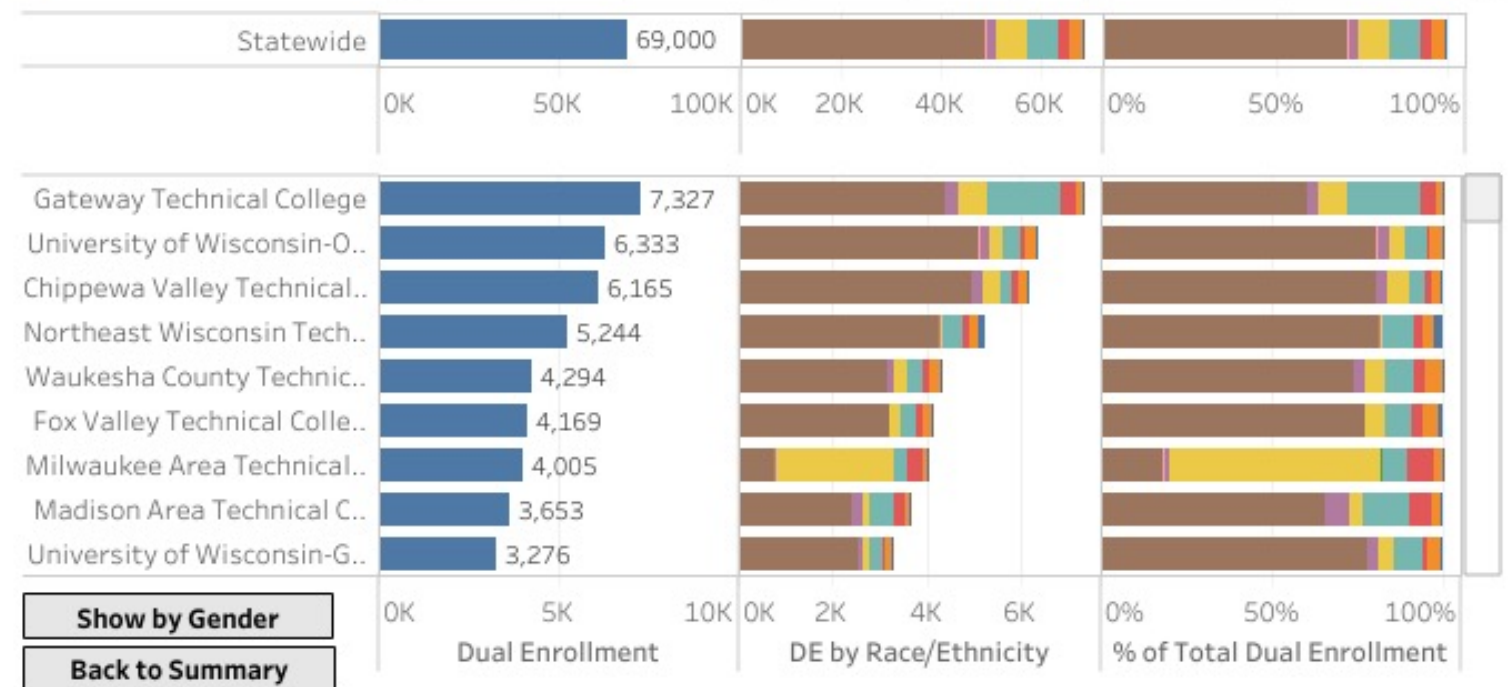
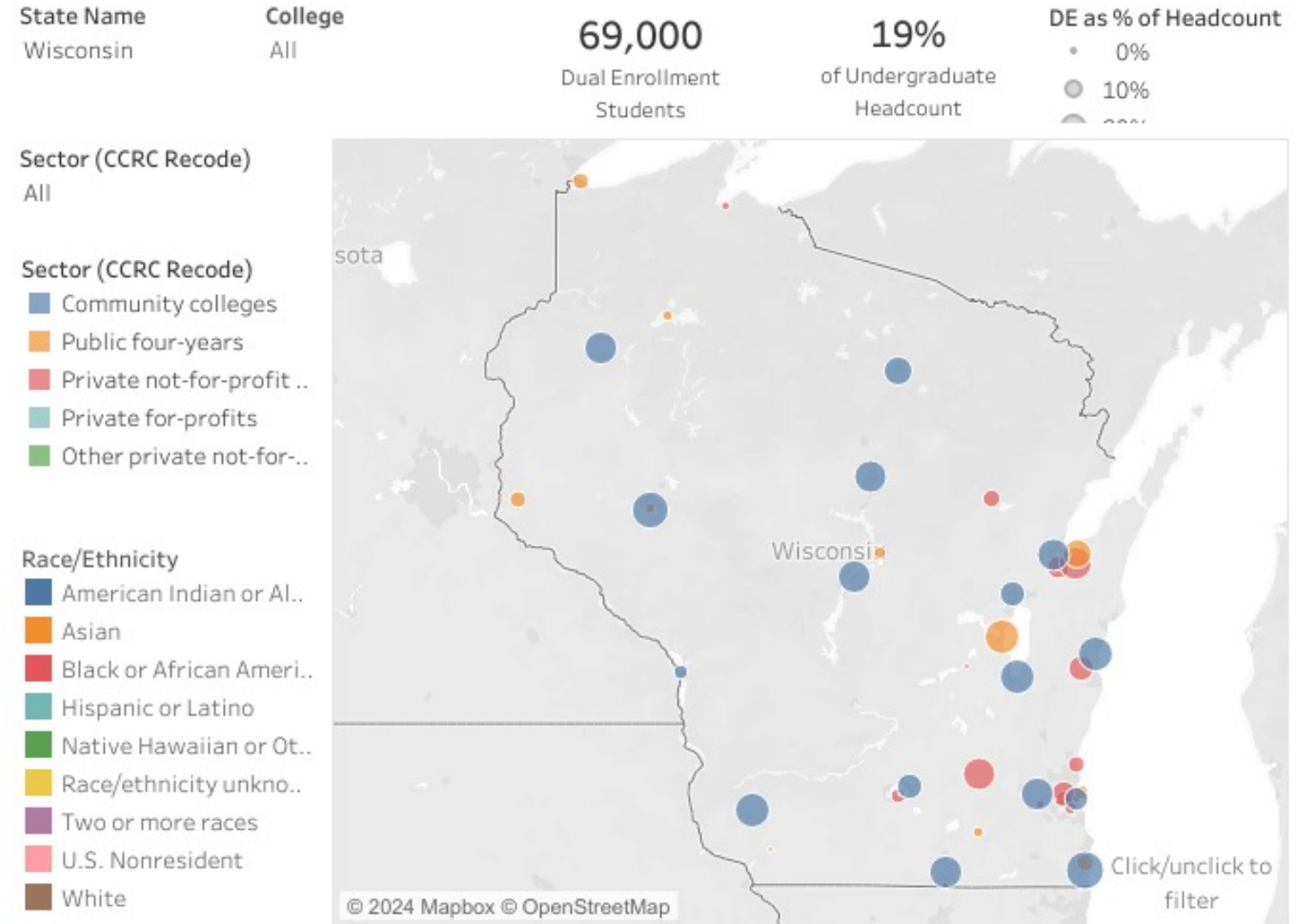
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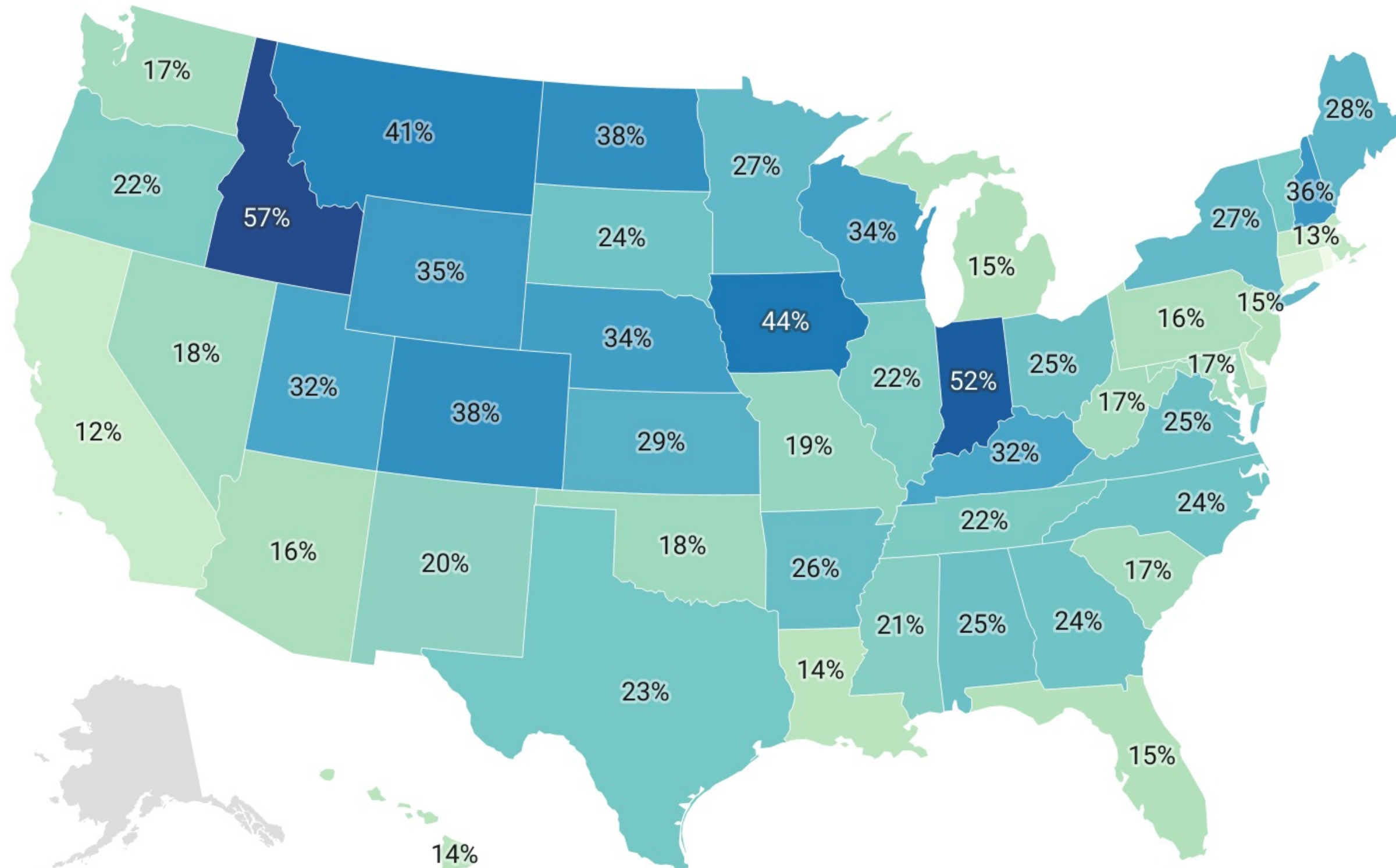
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Compare Your College to State and National Averages

Dual Enrollment: Postsecondary Enrollment among Students in High School
 IPEDS 12-Month College Enrollments, 2022-23
 Provisional Release, August 2024

State: Wisconsin
 Sector: All

6,165
 Dual Enrollment (DE) Students in Wisconsin (Sector: All)

48%
 of Undergraduate (UG) Enrollment in Wisconsin (Sector: All)

More Dashboards:
 State-by-State
 By College

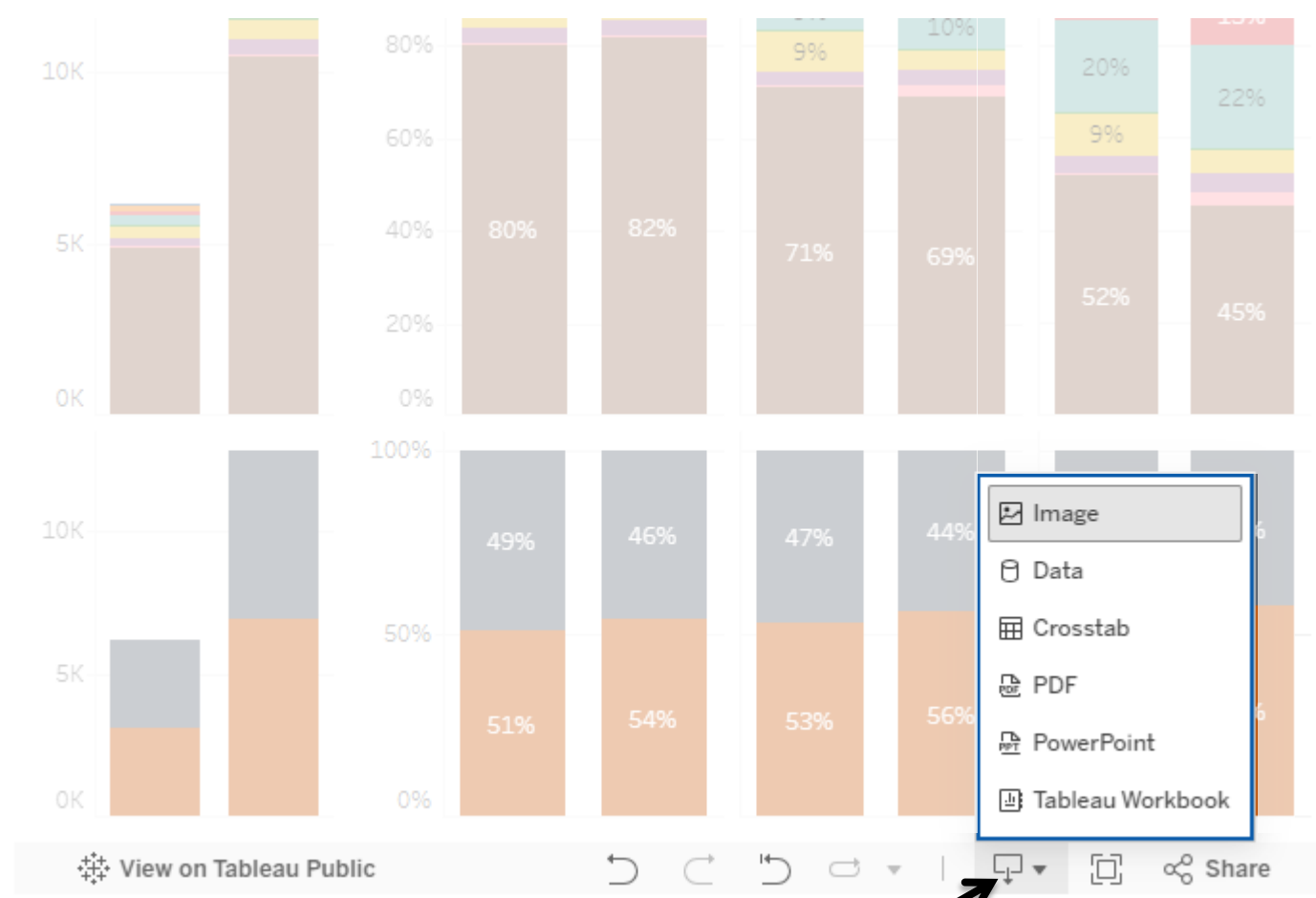
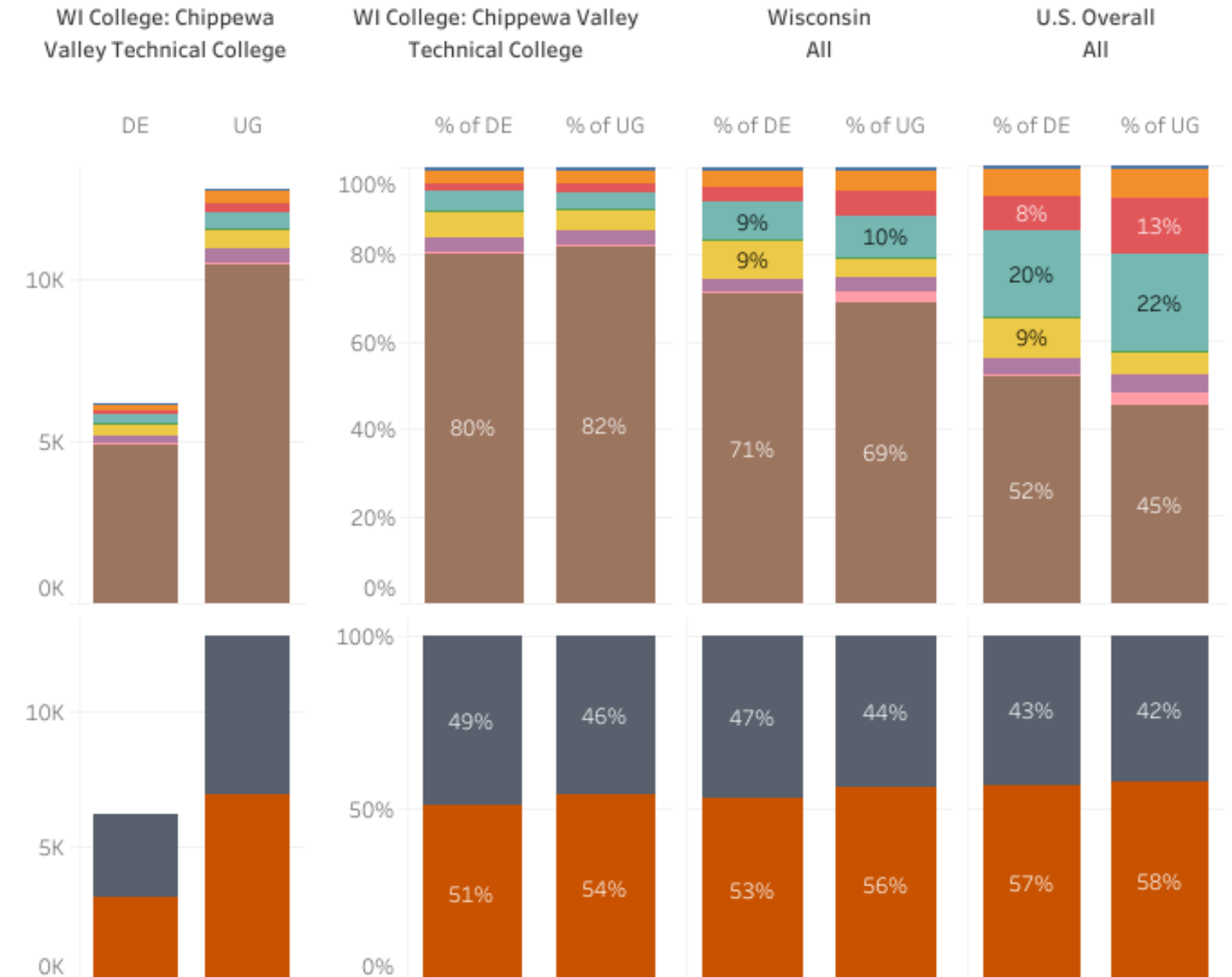
College: Chippewa Valley Technica..

Race/Ethnicity (click to highlight)

- American India..
- Asian
- Black or African..
- Hispanic or Lati..
- Native Hawaiia..
- Race/ethnicity ..
- Two or more rac..
- U.S. Nonresident
- White

Gender

- Men
- Women



Tip: Click here to download an image/PDF of the dashboard or raw data

Compare Your College to State and National Averages

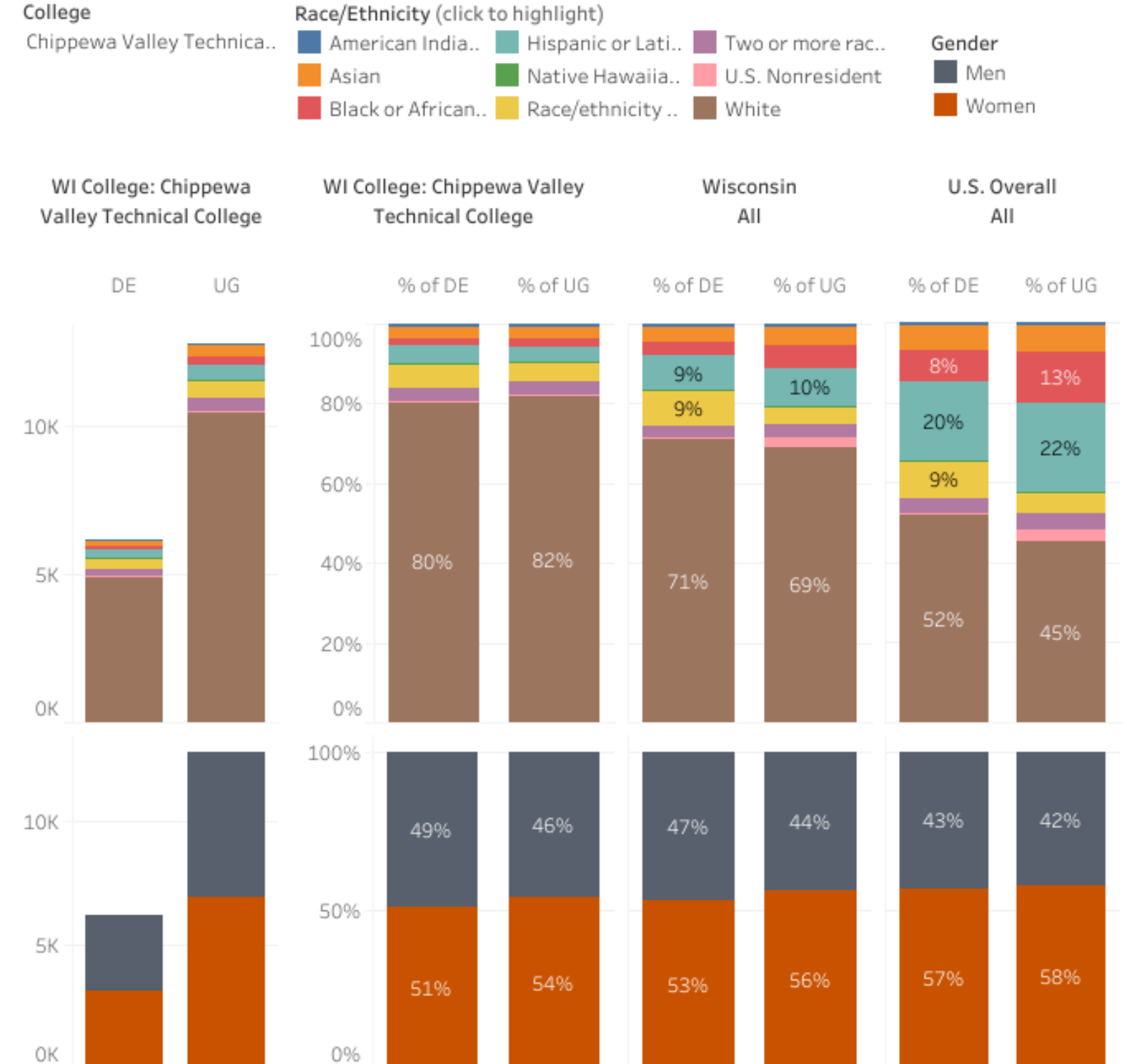
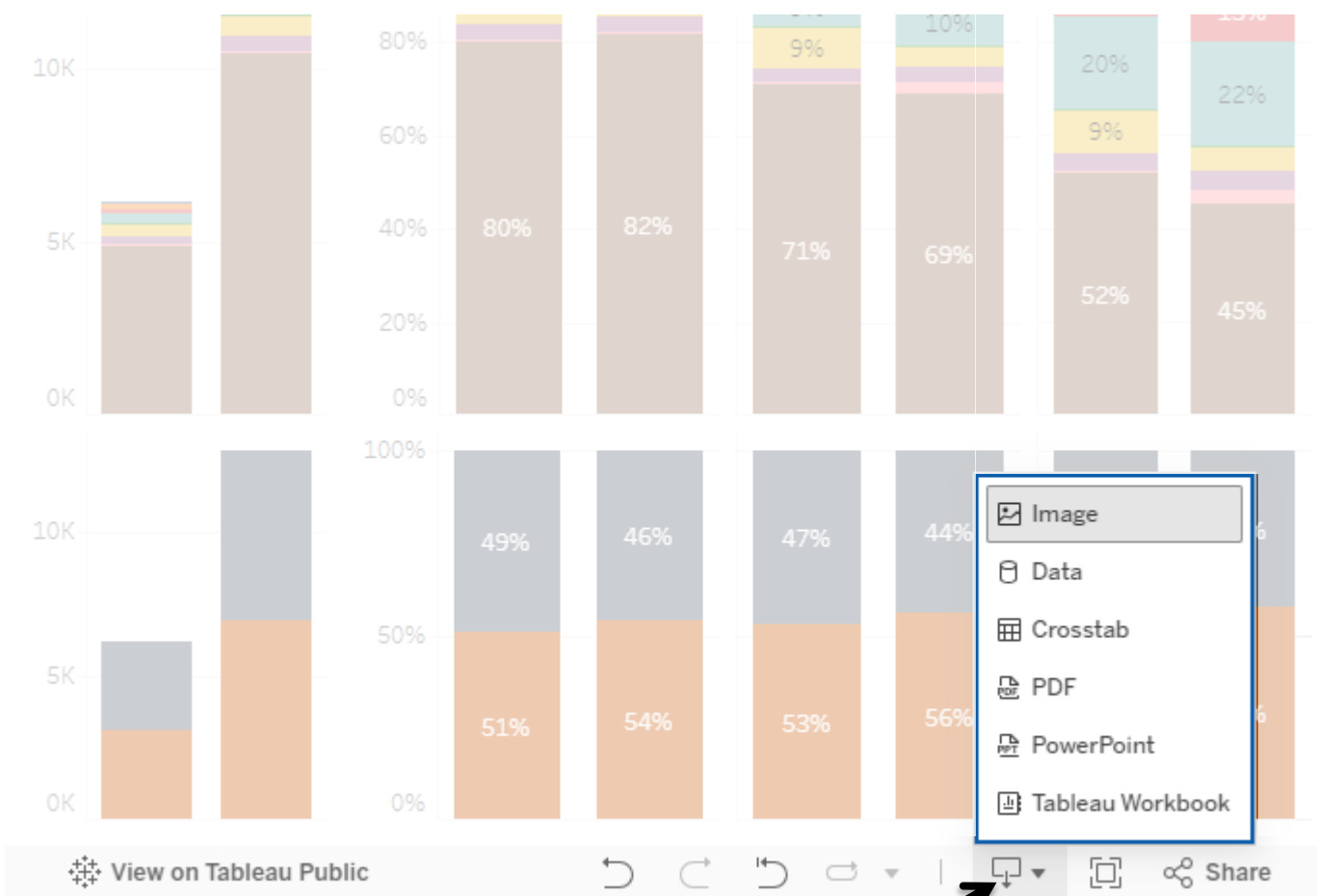
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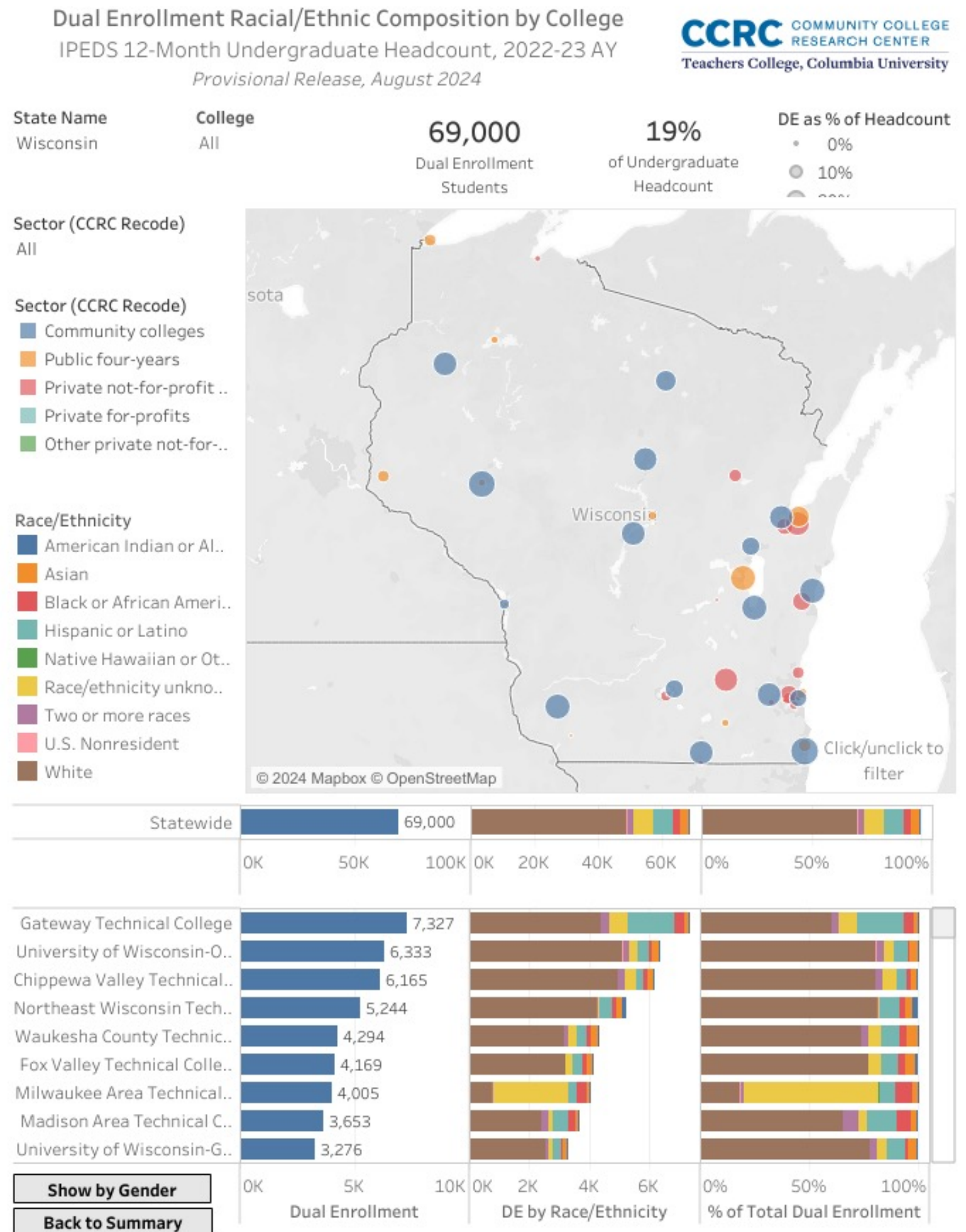


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Examine the Top Dual Enrollment Colleges within Your State

Click on your college to filter results

CCRC analysis of IPEDS Data
<https://ccrc.tc.columbia.edu/easyblog/how-many-students-are-taking-dual-enrollment-courses-in-high-school-new-national-state-and-college-level-data.html>



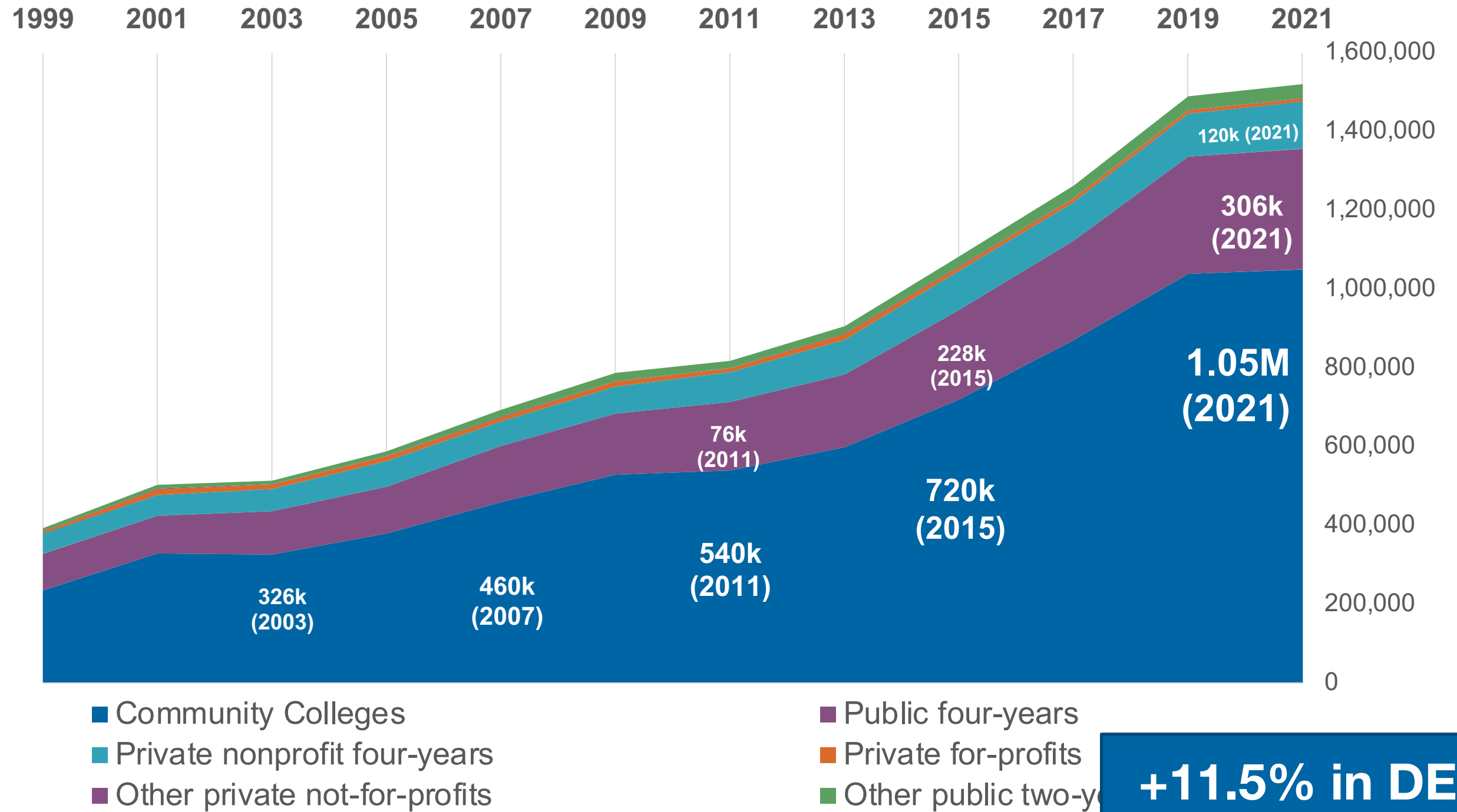
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IPEDS Fall Enrollments by Age – Trend Analysis

Growth of Dual Enrollment 1999-2021

IPEDES Fall Enrollments

Fall Undergraduate Enrollments among Students Aged 17 or Younger



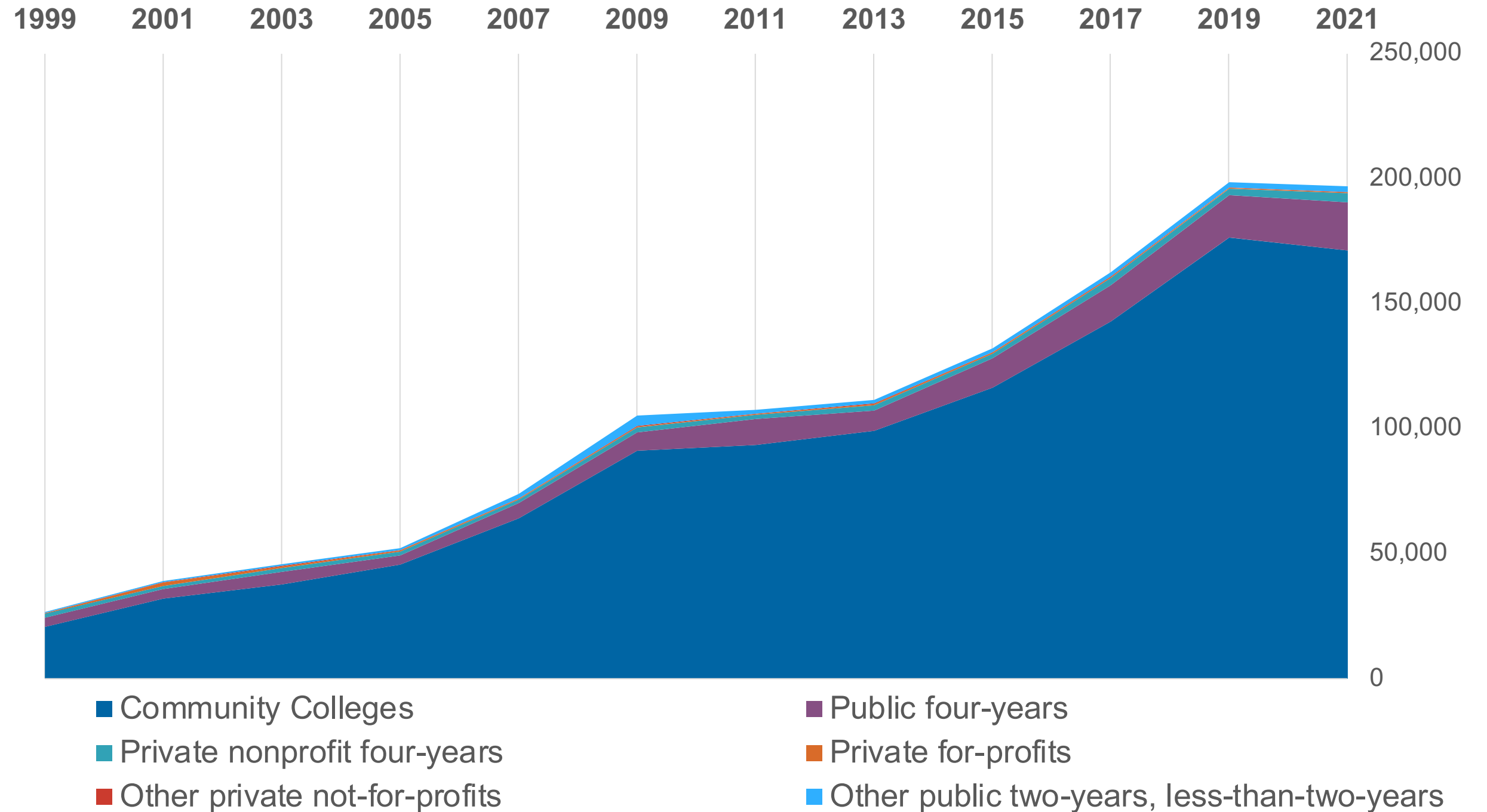
+11.5% in DE
 Fall 2021 ->
 Fall 2022 (NSC)

Expansion of Dual Enrollment Concentrated at Community Colleges

Texas Dual Credit 1999-2021

IPEDES Fall Enrollments

*Fall Undergraduate Enrollments among
Students Aged 17 or Younger*

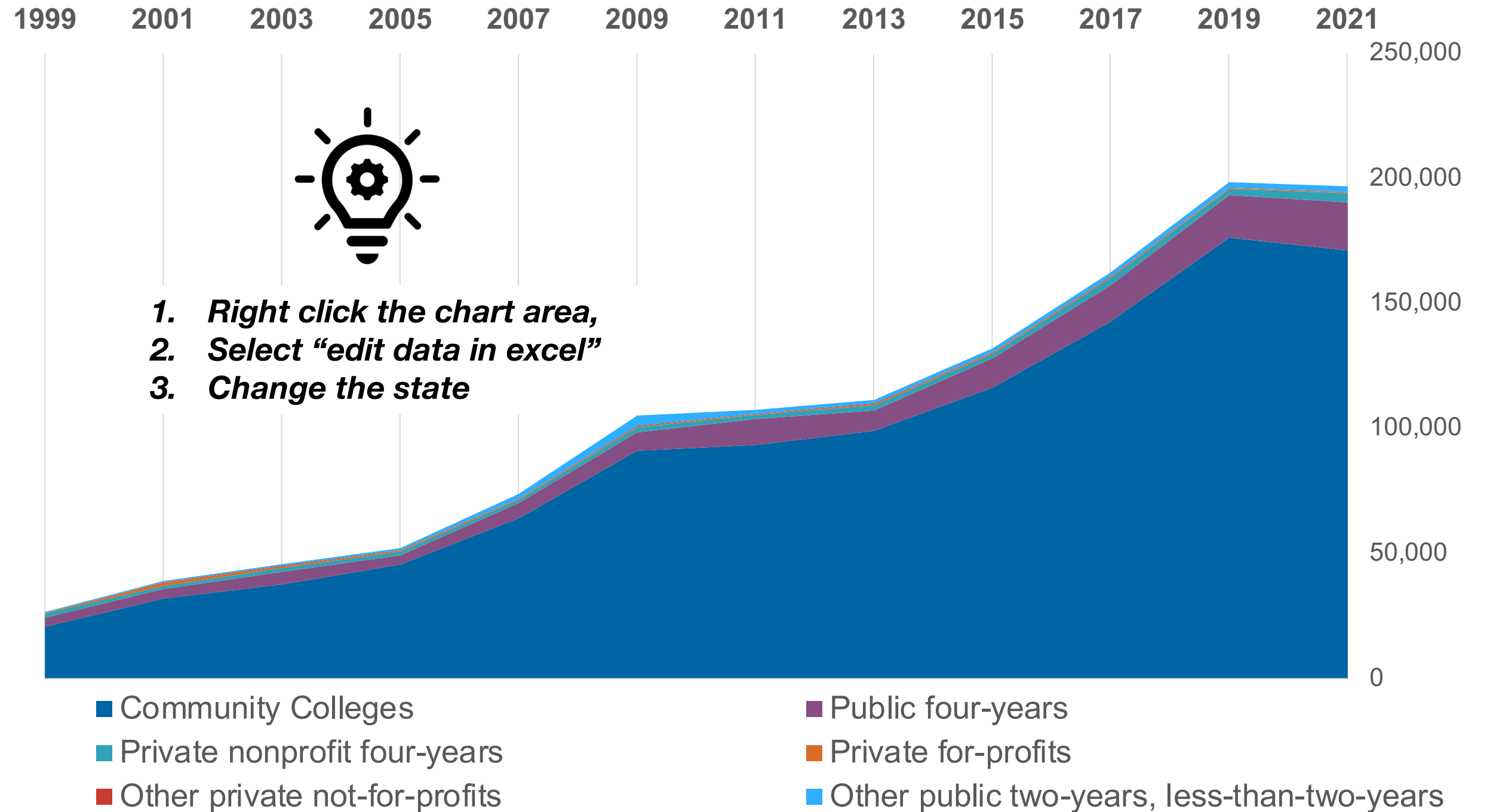


Expansion of Dual Credit Concentrated at Texas Community Colleges

Texas Dual Credit 1999-2021

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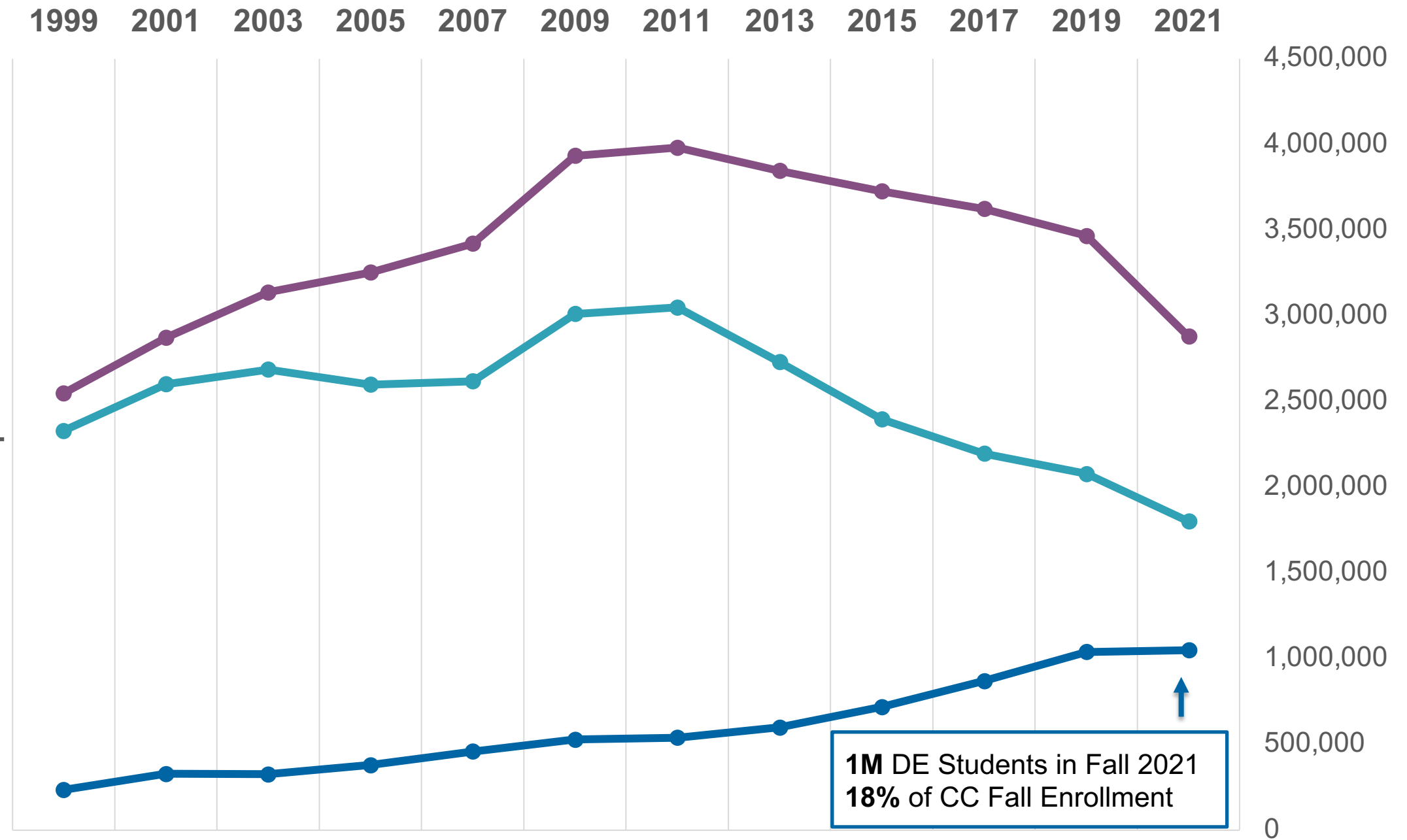
Expansion of Dual Credit Concentrated at Texas Community Colleges

Community College Enrollment

1999-2021

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- Under 18
- Age 18-24
- Age 25+



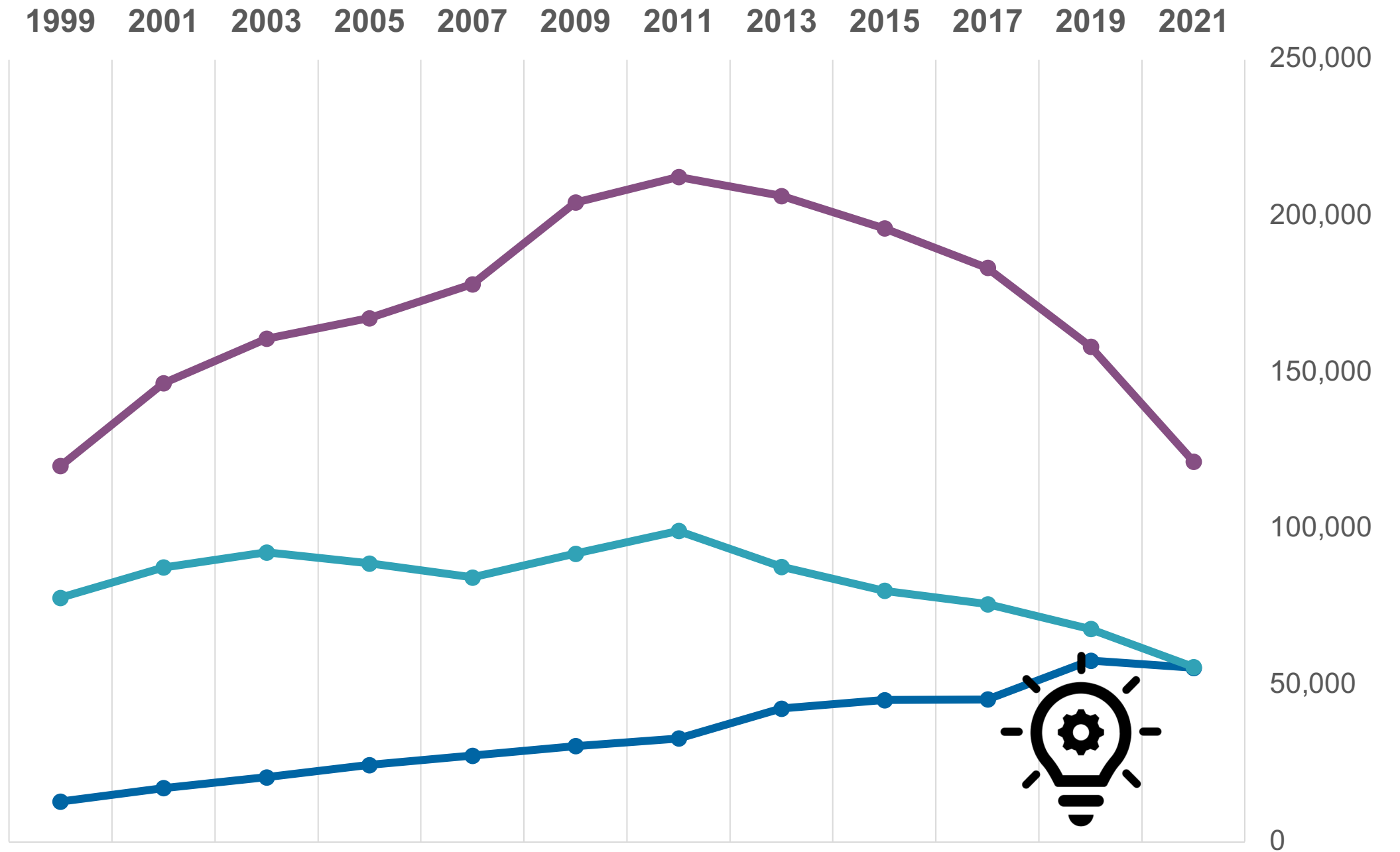
High School Dual Enrollment on the Rise at Community Colleges

New York Community College Enrollment

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1. Right click the chart area,
2. Select "edit data in excel"
3. Change the state

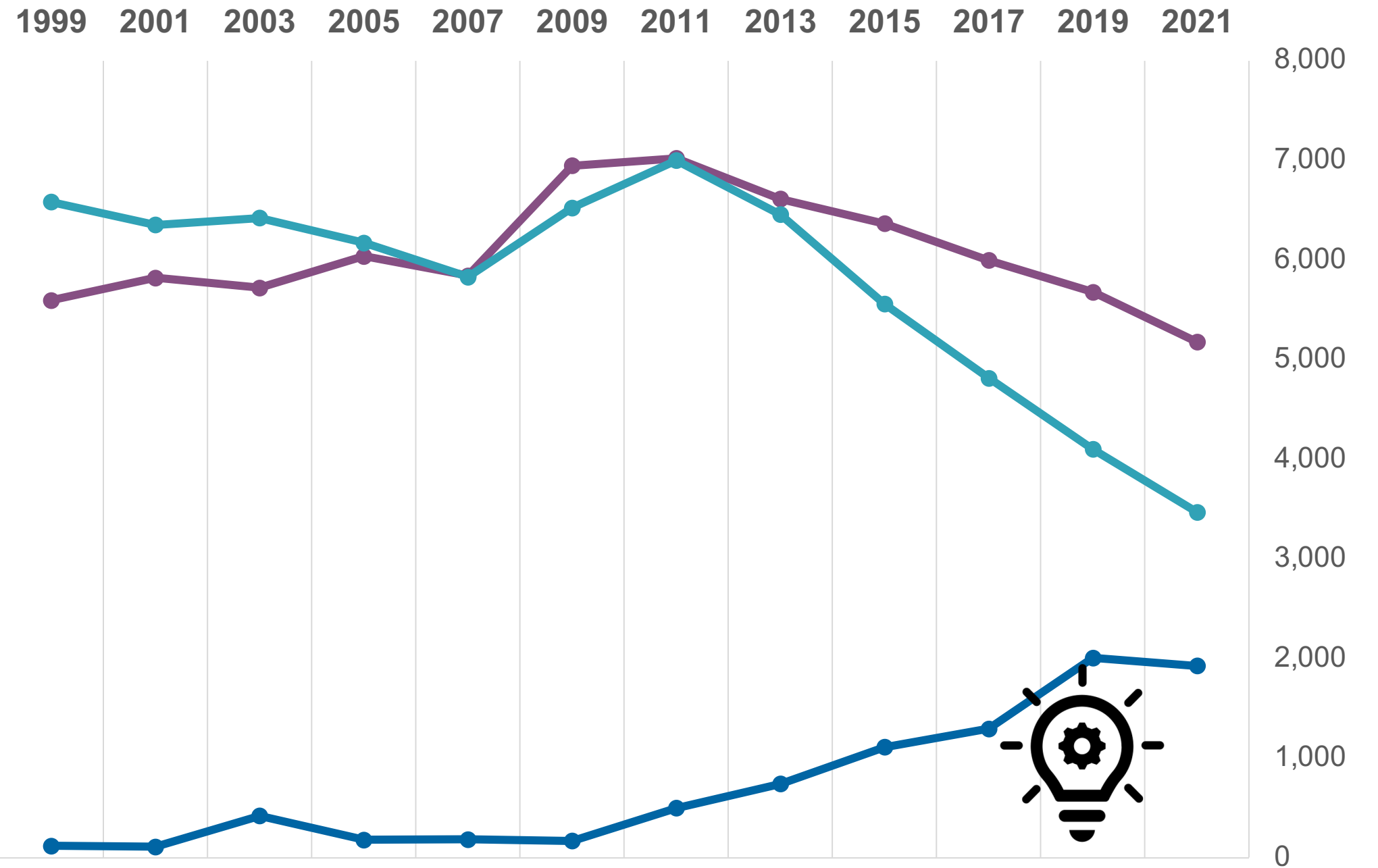
High School Dual Enrollment on the Rise at Community Colleges

Prince George's Community College Enrollment

1999-2021

IPEDES Fall Enrollments

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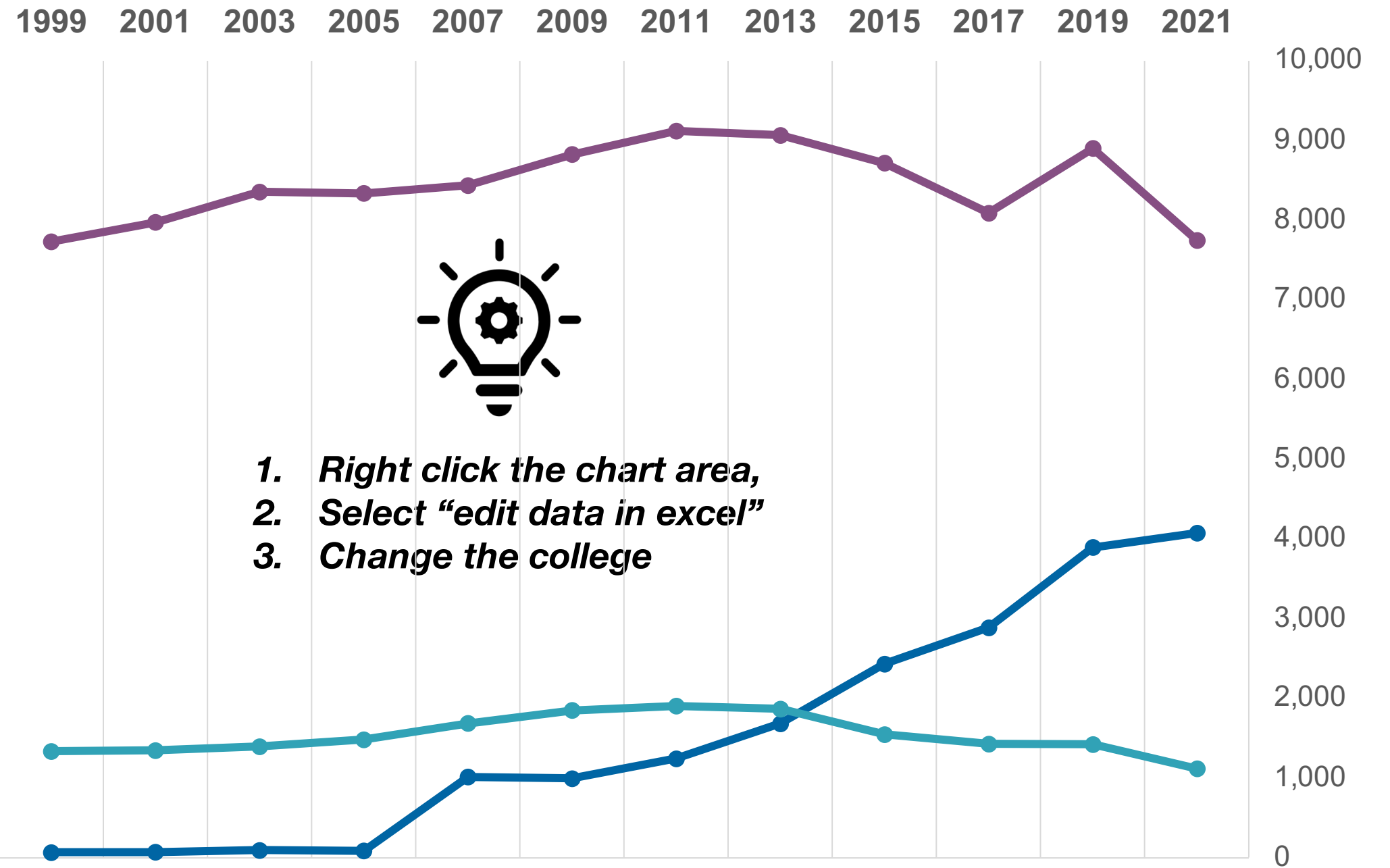
High School Dual Enrollment on the Rise at Our College

UW- Oshkosh Enrollment

1999-2021

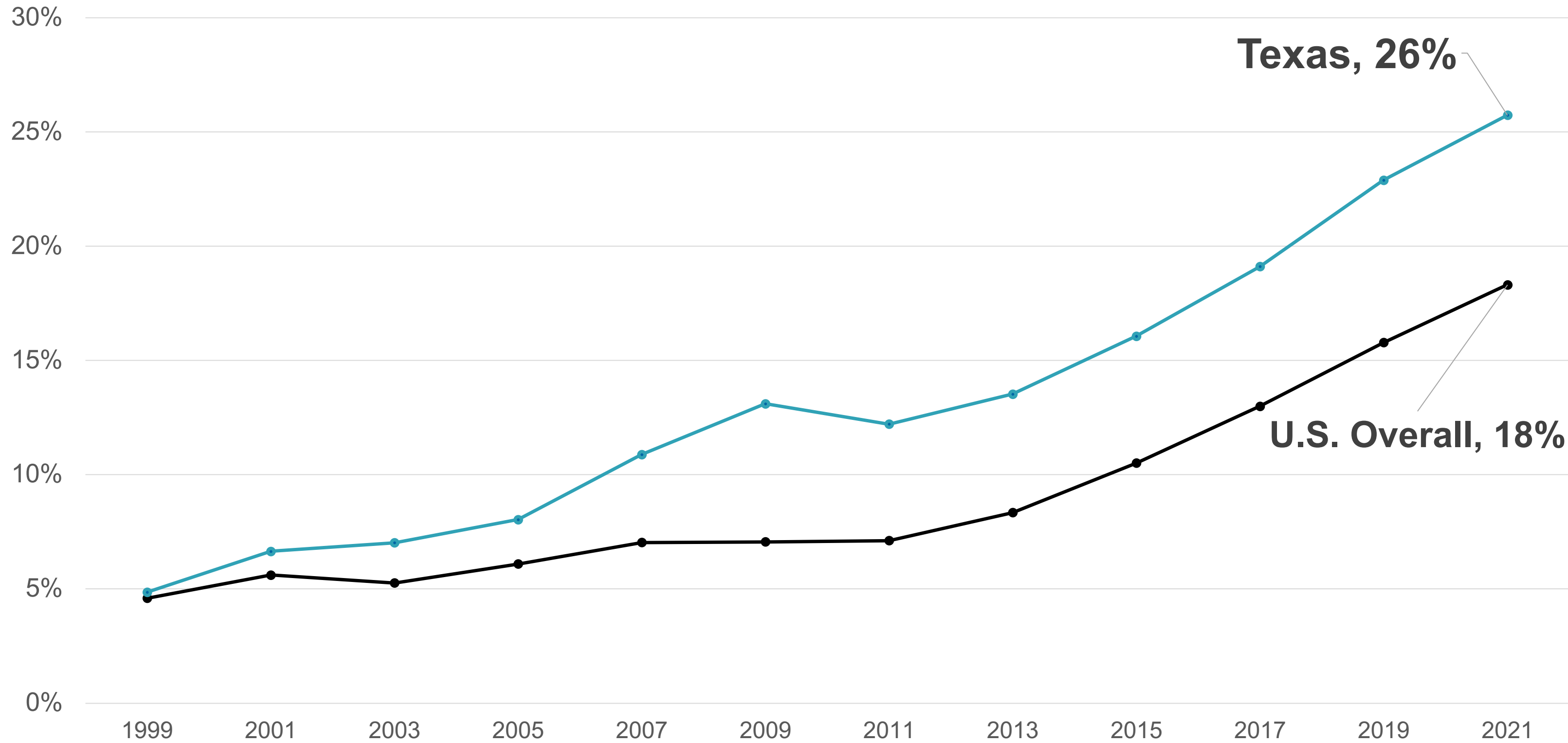
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High School Dual Enrollment on the Rise at Our College

Dual Credit: 1 in 4 Texas CC Student in Fall 2021

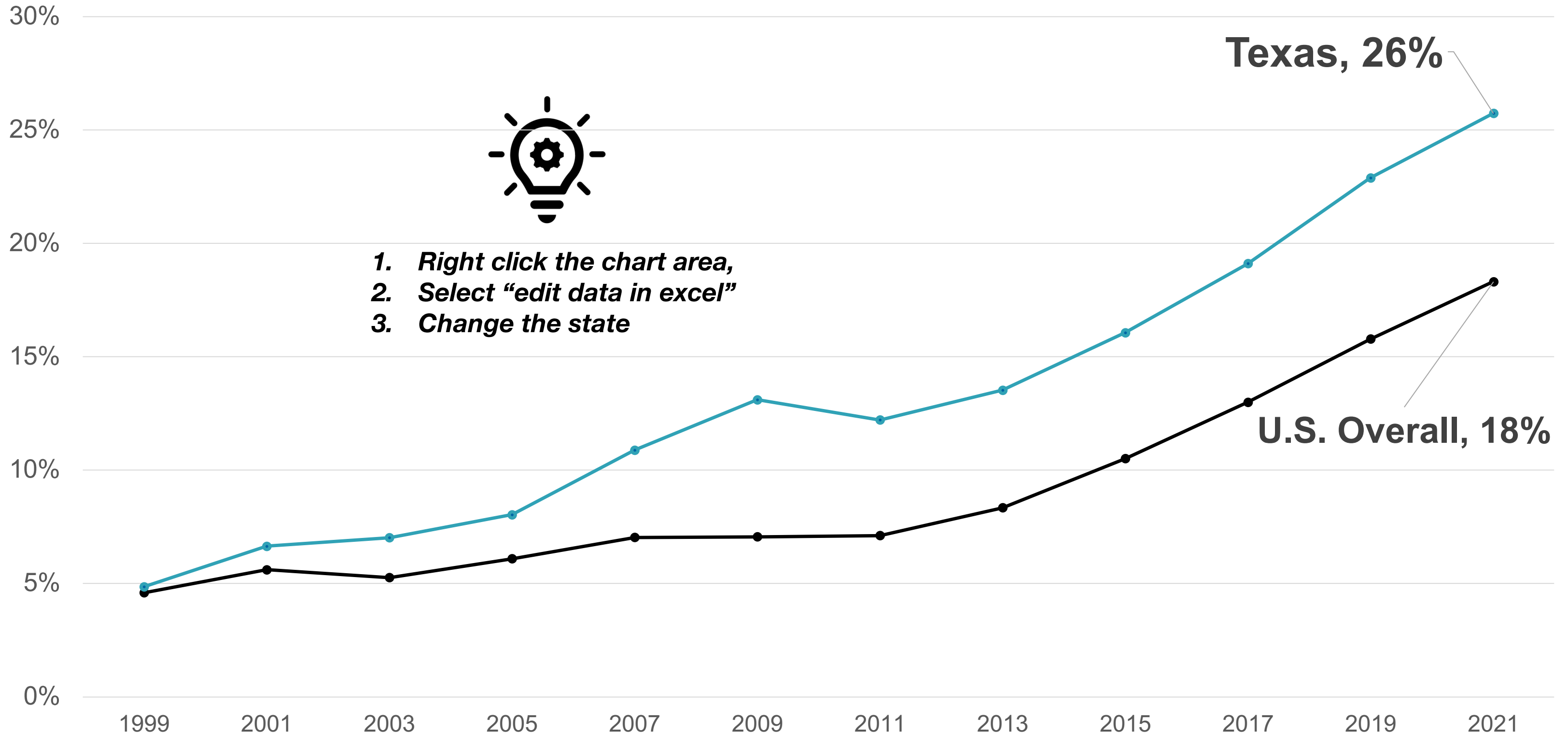


CCRC analysis of IPEDS Fall Enrollments among students age 17 and younger at community colleges, divided by total fall enrollments.

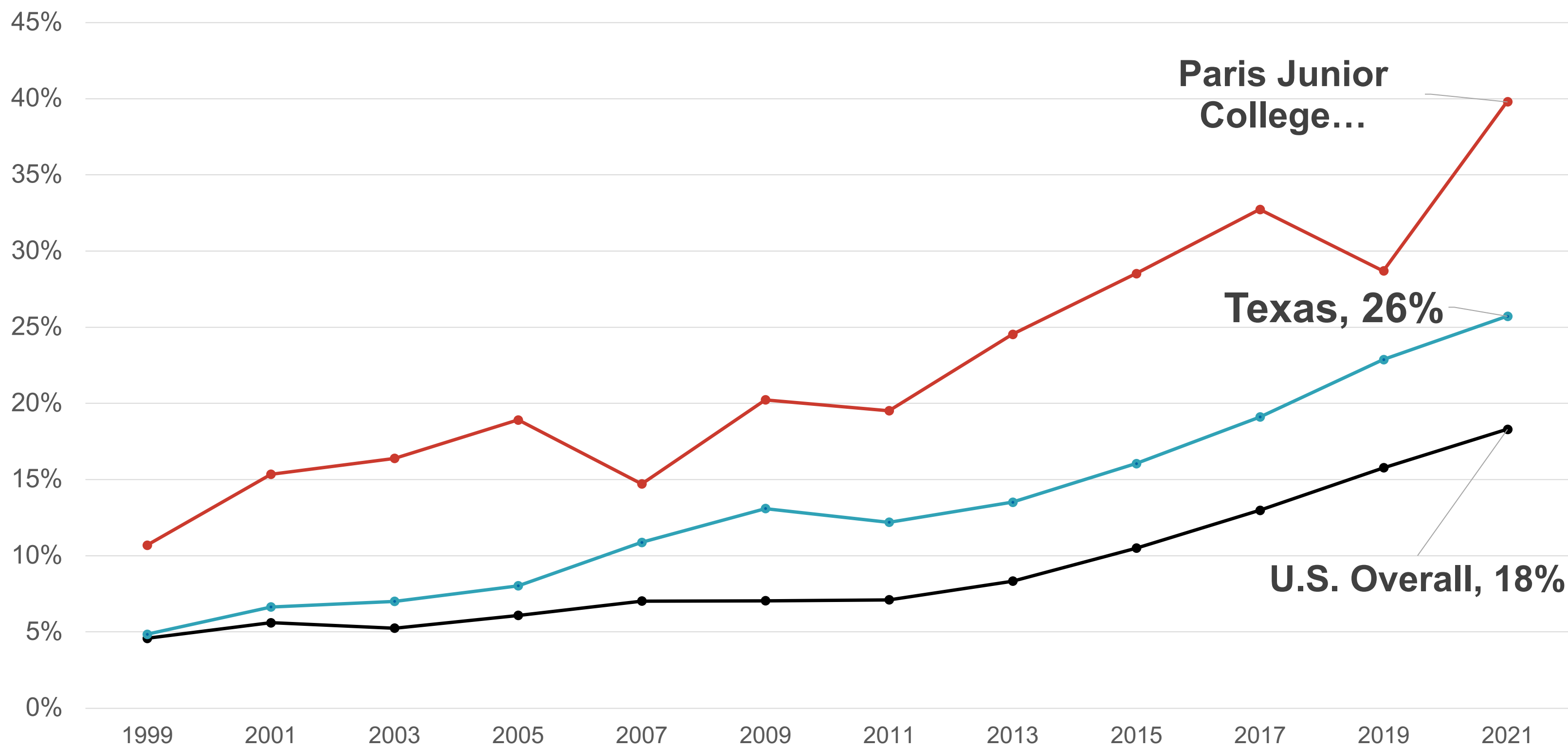
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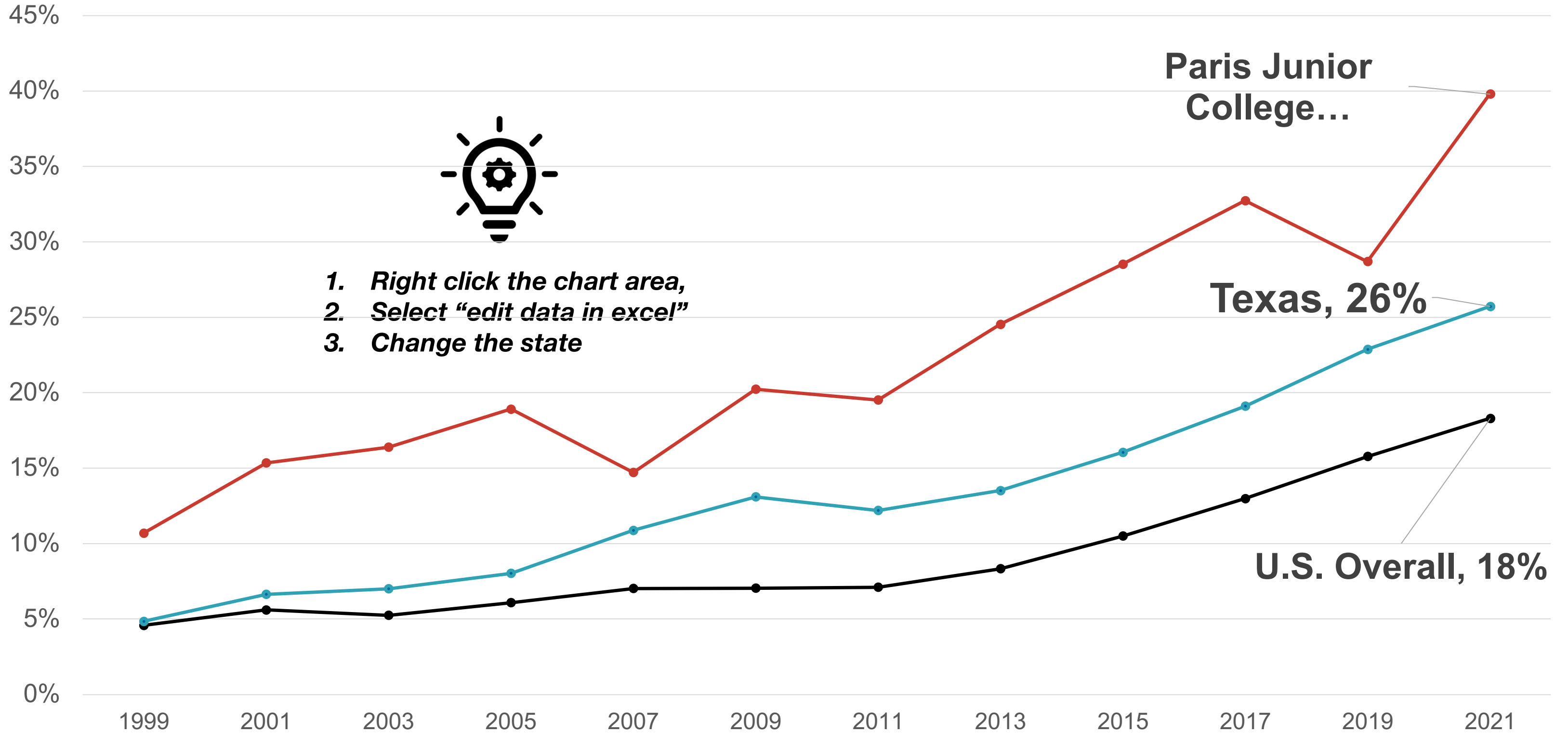


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Dual Credit: 1 in 4 Texas CC Student in Fall 2021



Digging in on Data

CRDC

CCRC Web Tool: Access to AP and Dual Enrollment Among States and Districts

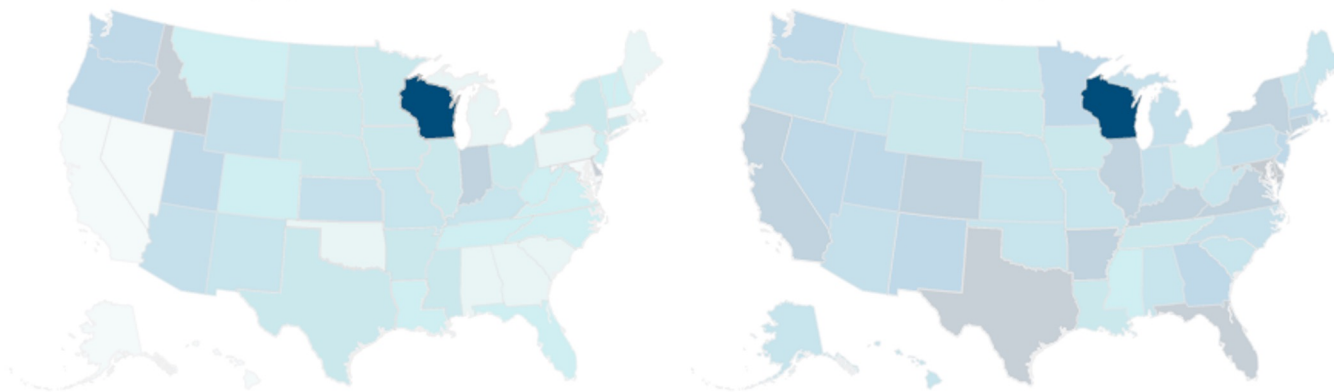
Participation in AP and Dual Enrollment by State, 2017–18

[Click here to reset to national results](#)

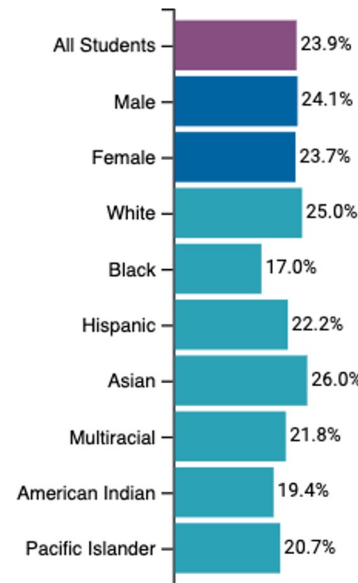


Dual Enrollment (DE)

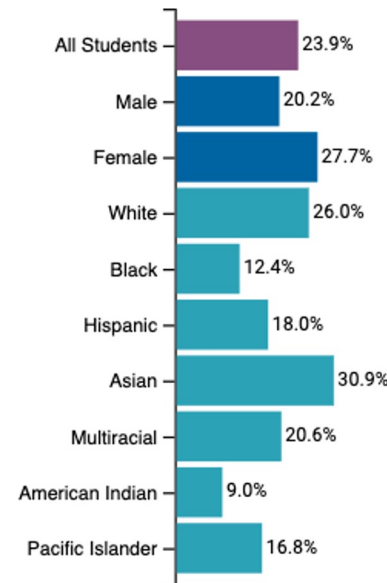
Advanced Placement (AP)



Participation in DE by Student Group Wisconsin



Participation in AP by Student Group Wisconsin



Participation in AP and Dual Enrollment by School District, 2017–18

Winkler, ONTARIO
Neenah Joint School District

A Detailed Look at AP and Dual Enrollment Participation by School and District

Lookup a District | Schools in a District | Districts within States

Equity in Access to College Acceleration
Civil Rights Data Collection School Search

CCRC COMMUNITY COLLEGE RESEARCH CENTER
TEACHERS COLLEGE, COLUMBIA UNIVERSITY

Examine High School DE/AP Participation and Racial Equity Gaps within a District (2017-18 School Year)

Select a District: Appleton Area School District, WI

Show results for:
 Advanced Placement
 Dual Enrollment

Dual Enrollment Participation and Gaps

Appleton Area School District, WI High Schools

High School	HS Enrollment	All Students Particip.	Black Partic. c.	Hispanic Partic.	White Partic. c.	White-Black Gap	White-Hispanic Gap
North High	1,661	28%	28%	31%	29%	0.2pp	-2.3pp
East High	1,408	40%	40%	36%	42%	1.6pp	5.3pp
West High	1,154	25%	17%	26%	26%	8.9pp	0.3pp
Wisconsin Connections Academy	289	1%			1%		
Renaissance School	161	9%			8%		
Tesla Engineering Charter School	131	85%			85%		
Fox Cities Leadership Academy	96	28%			27%		
Appleton Technical Academy	77	69%			78%		
Valley New School	51	12%			10%		
Appleton eSchool	23	0%					

<https://ccrc.tc.columbia.edu/easyblog/ap-dual-enrollment-access-update.html>

CCRC Web Tool: Representation in AP and Dual Enrollment Among States

How Equal Is Representation in Dual Enrollment and AP?
 Civil Rights Data Collection, 2017-18 School Year

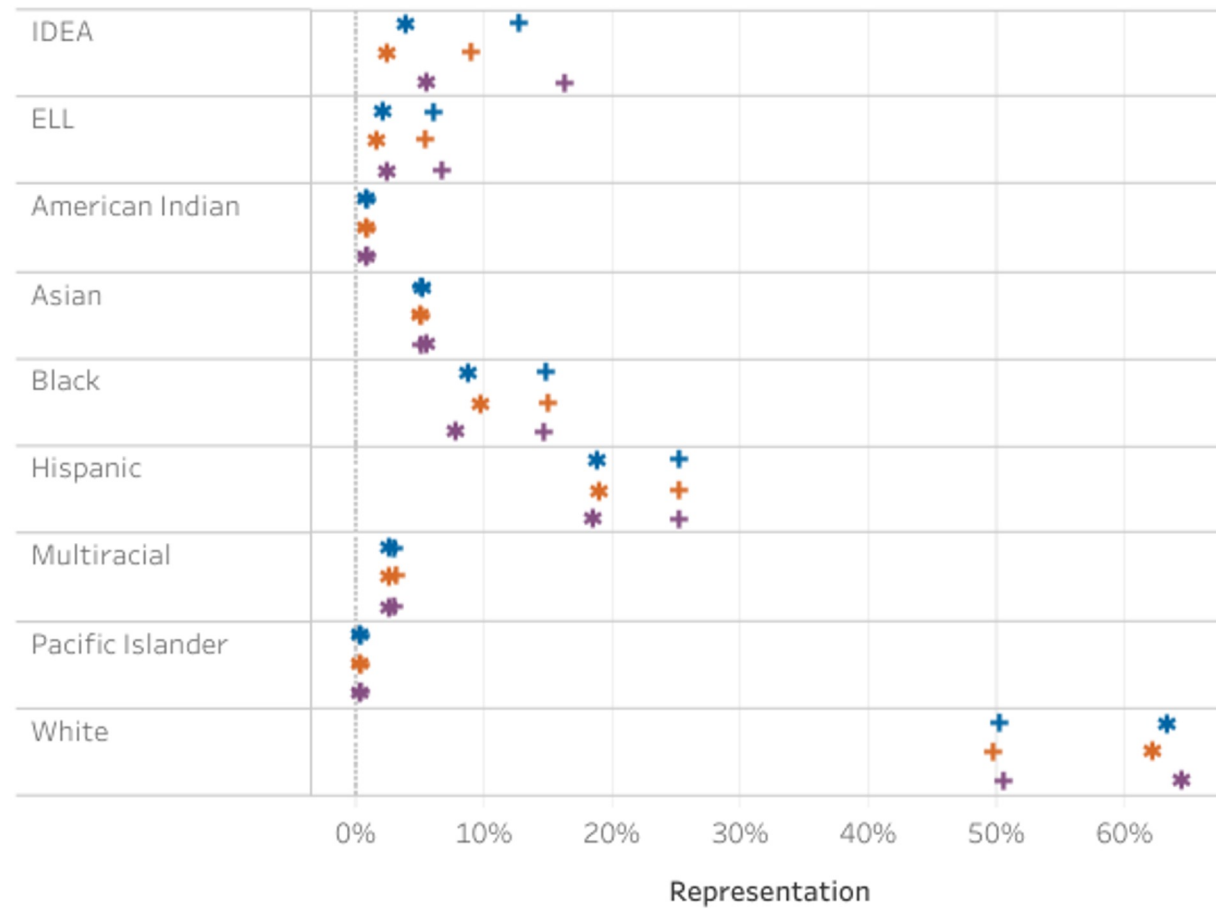
Select State
 All

Show Gaps for:
 Dual Enrollment

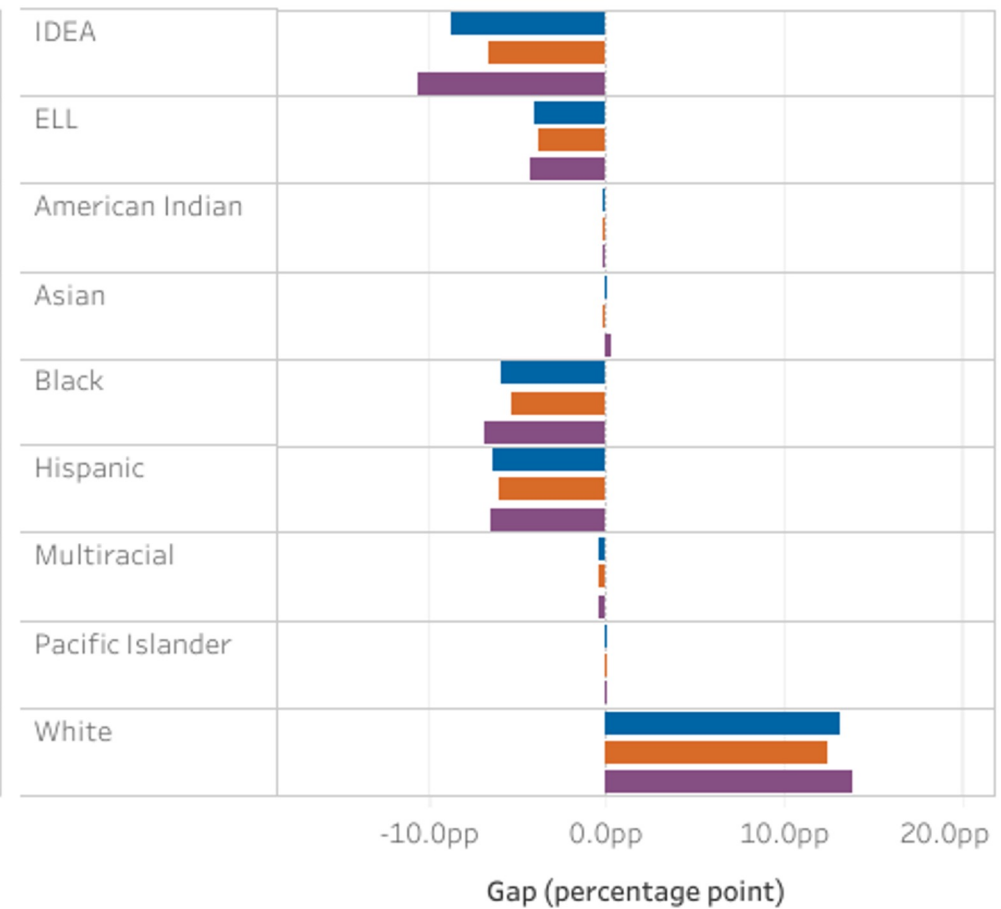
Show Groups:
 All

Click to Highlight:
■ All ■ Female ■ Male

School population (+) compared to Dual Enrollment coursetakers (*)

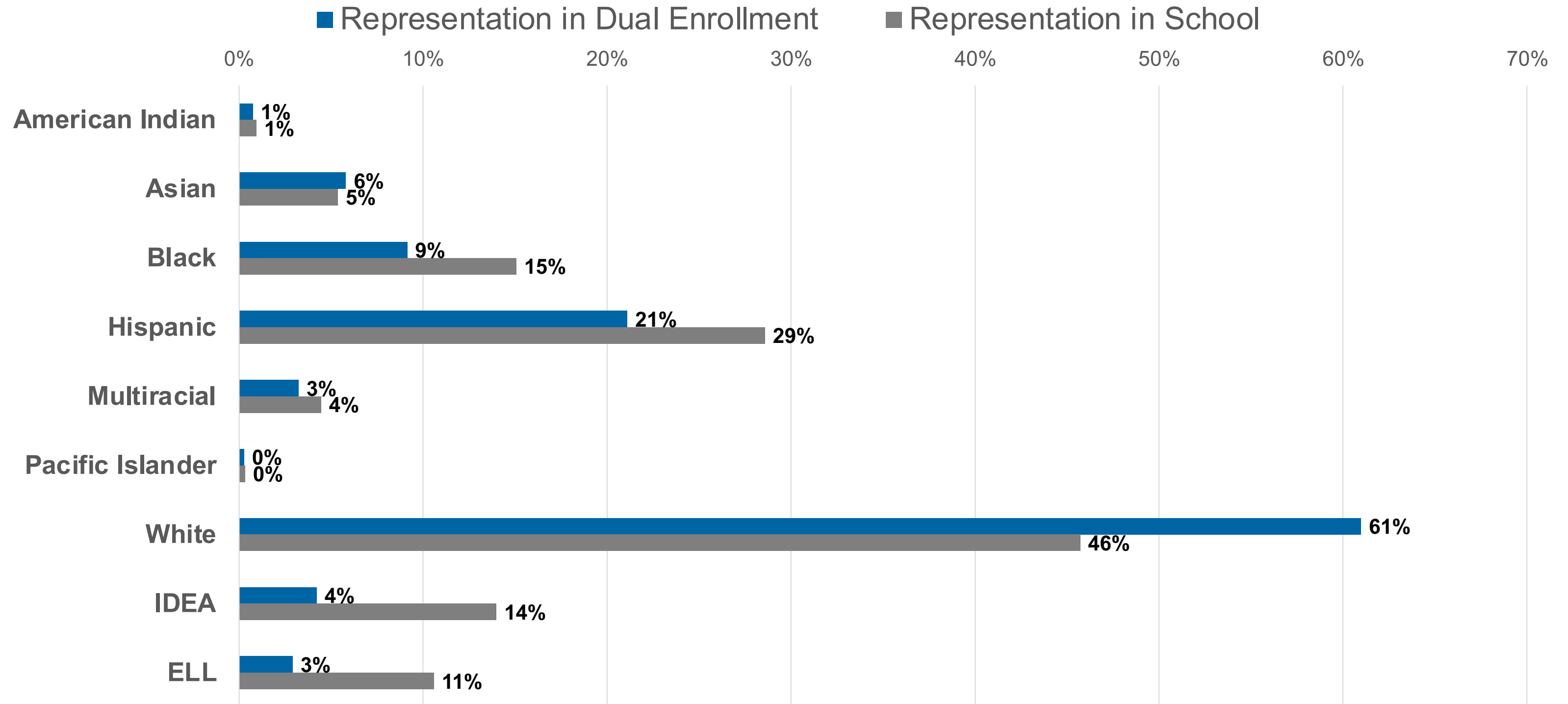


Representation Gaps: Dual Enrollment Coursetaking



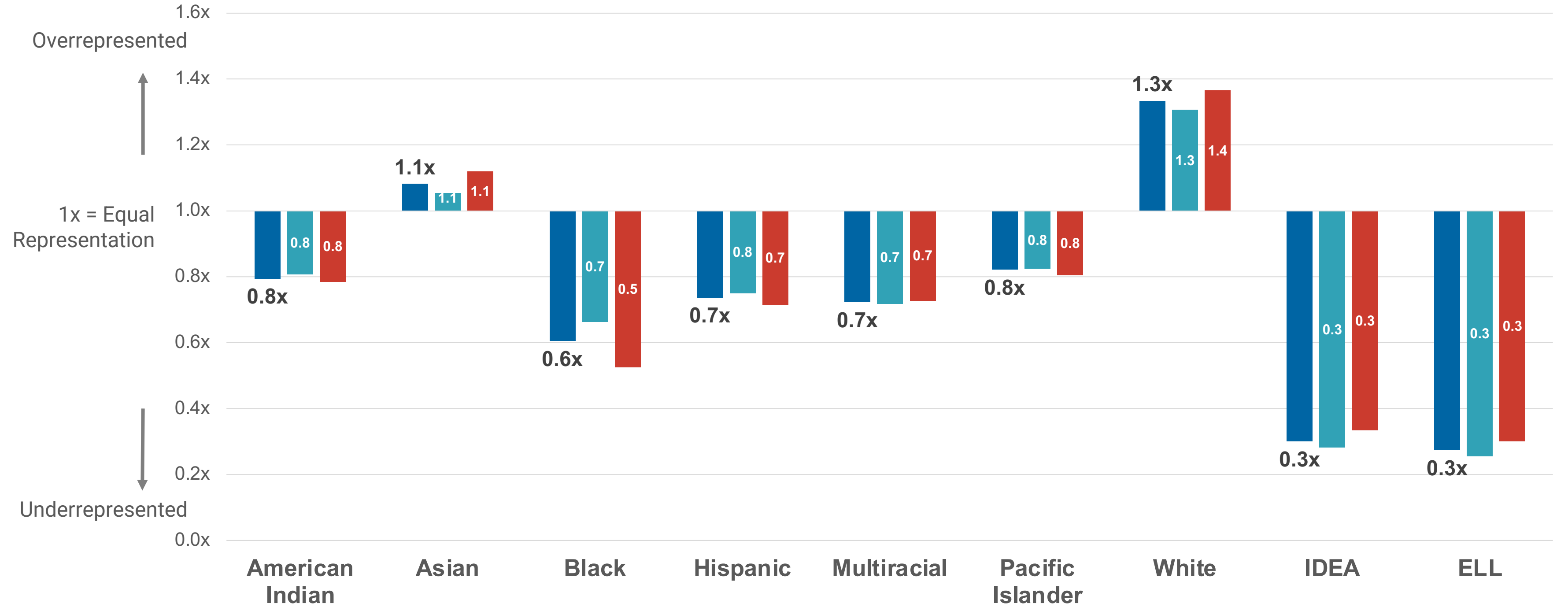
CCRC analysis of 2017-18 CRDC including 21,936 public schools nationally that offered either 11th or 12th grade, excluding alternative and juvenile justice schools but otherwise including any schools that offered dual enrollment or AP coursework.

Representation in Dual Enrollment: U.S. Public Schools

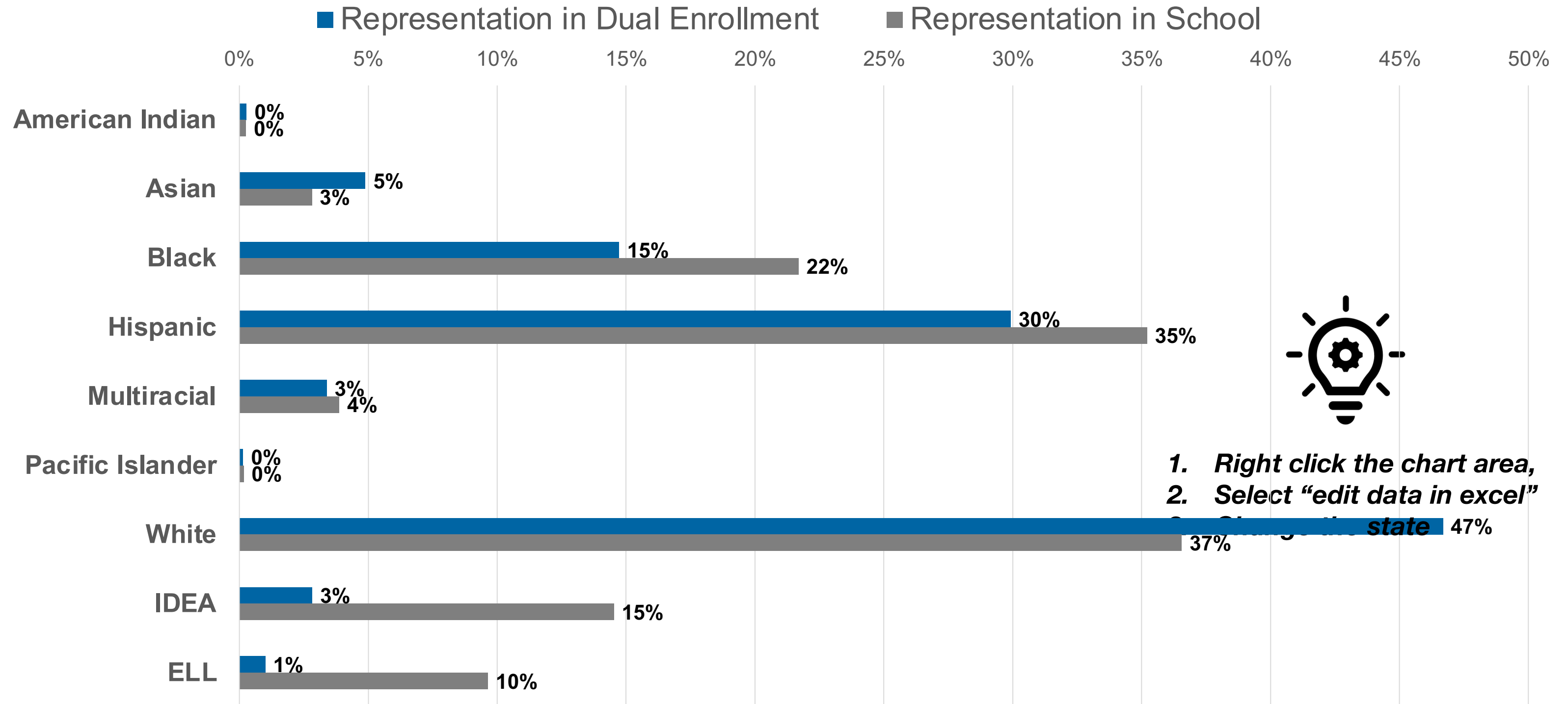


Representation in Dual Enrollment: U.S. Public Schools

■ All Genders ■ Women ■ Men

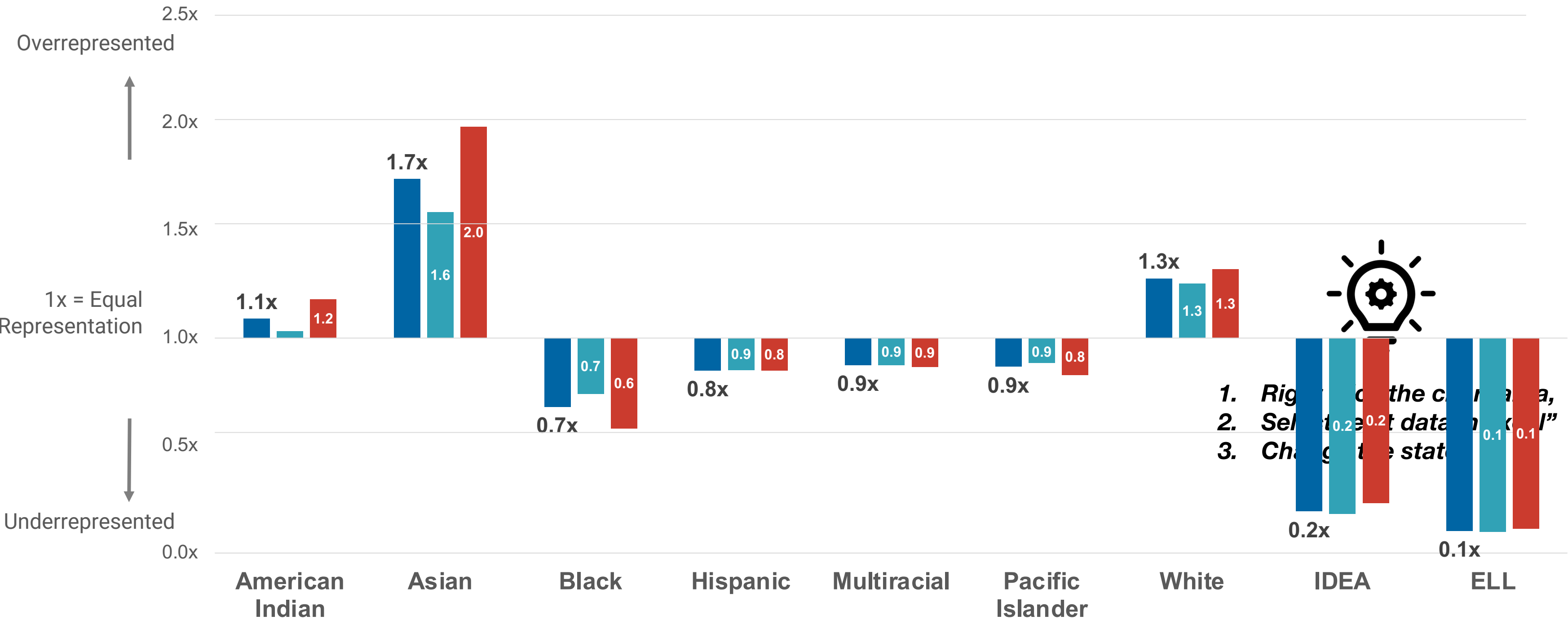


Representation in Dual Enrollment: Florida Public Schools



Representation in Dual Enrollment: Florida Public Schools

■ All Genders ■ Women ■ Men



Digging in on Data

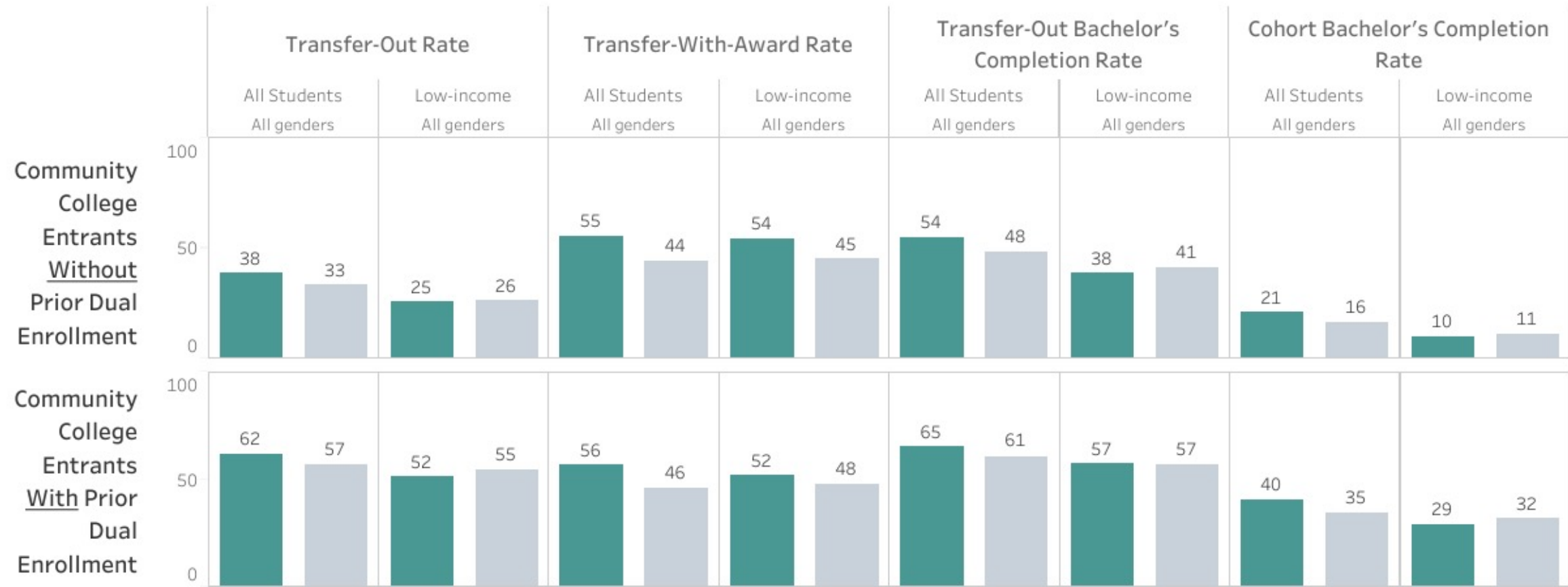
National Student Clearinghouse

Tracking Transfer Findings: Prior Dual Enrollment

Select State: New Jersey | National Comparison: All | Subgroup Selection: Multiple values | Filter Outcomes by Gender: All genders

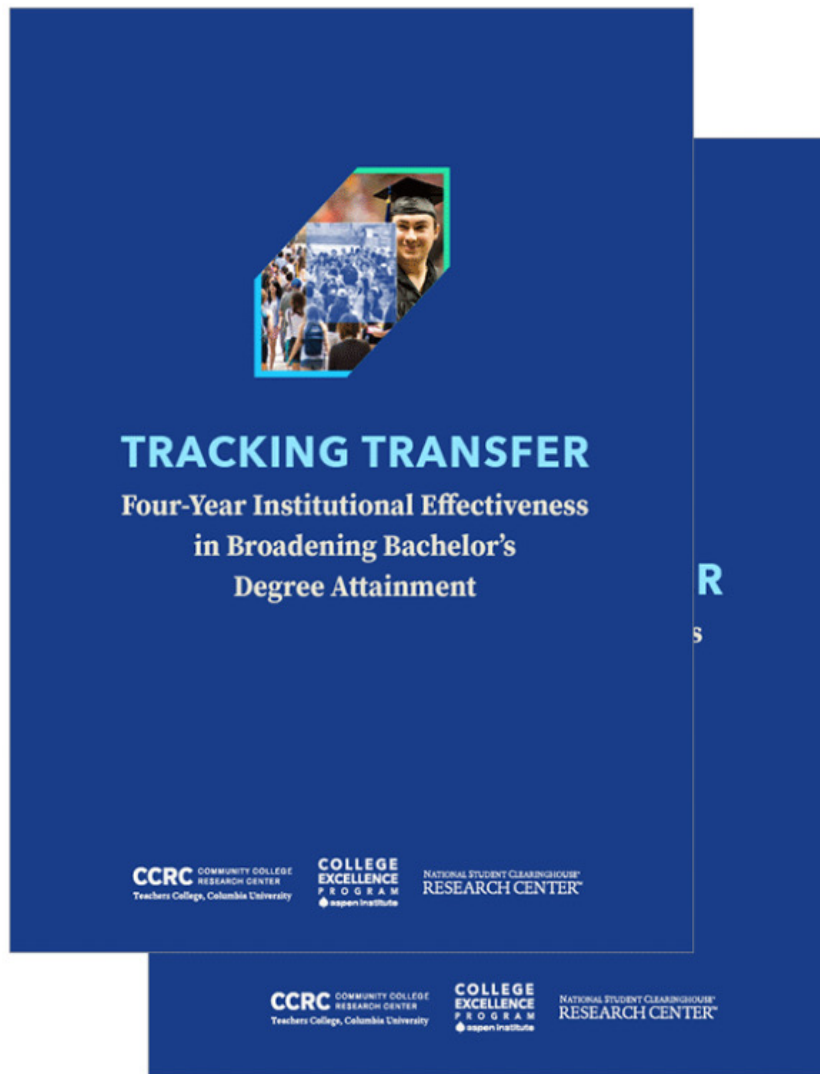
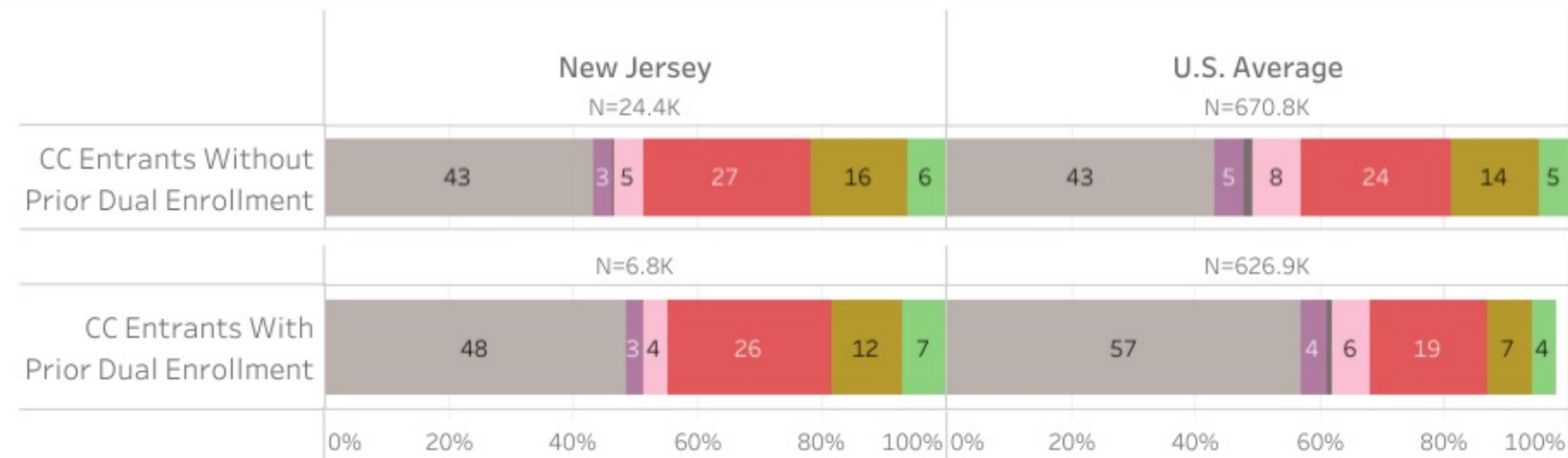
Legend: New Jersey (Teal), U.S. Average (Light Blue)

Community College Transfer Outcomes



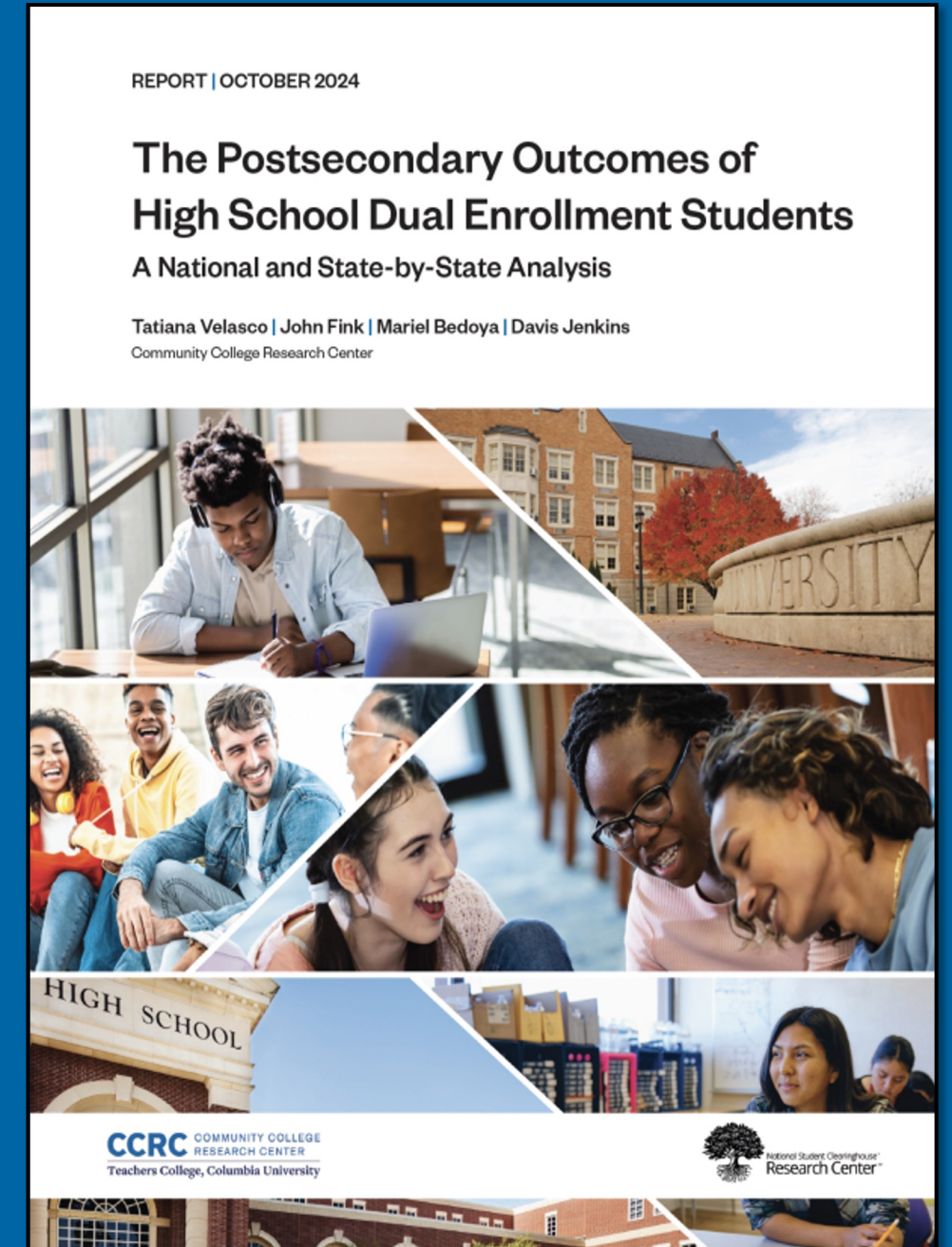
Racial/Ethnic Composition of CC Entrants With and Without Prior Dual Enrollment

Subgroup: Asian, Black, Hispanic, Missing race, Nat. Hawaiian/.., Native American, Other race, White



The Postsecondary Outcomes of High School Dual Enrollment Students: A National and State-by-State Analysis

Tatiana Velasco, John Fink, Mariel Bedoya, & Davis Jenkins
October 2024



Dashboard with State-by-State Results



State Findings: Dual Enrollment Student Outcomes

By Daniel March, John Fink & Tatiana Velasco

Introduction State Overview Compare States DE and Non-DE Outcomes Bachelor's Degree Fields

Go to Introduction

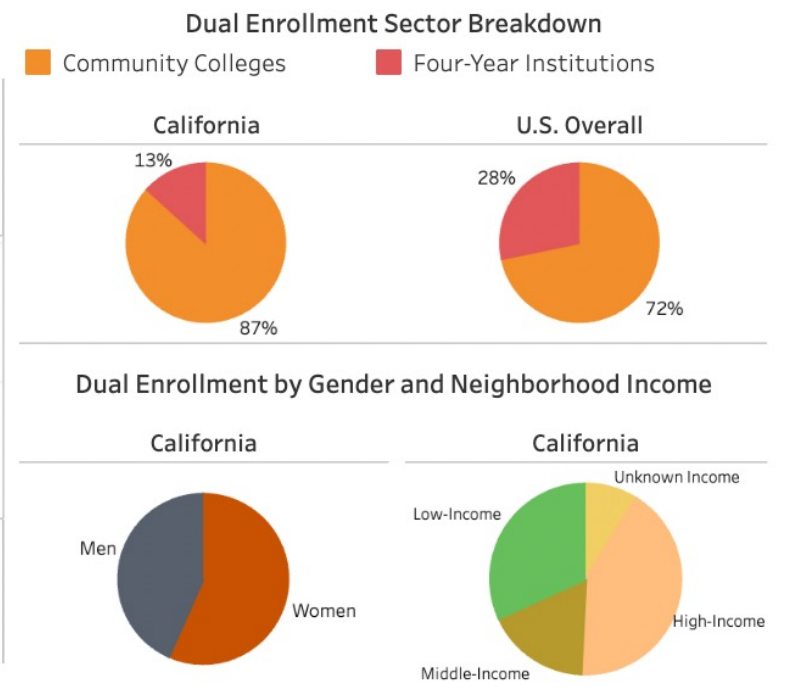
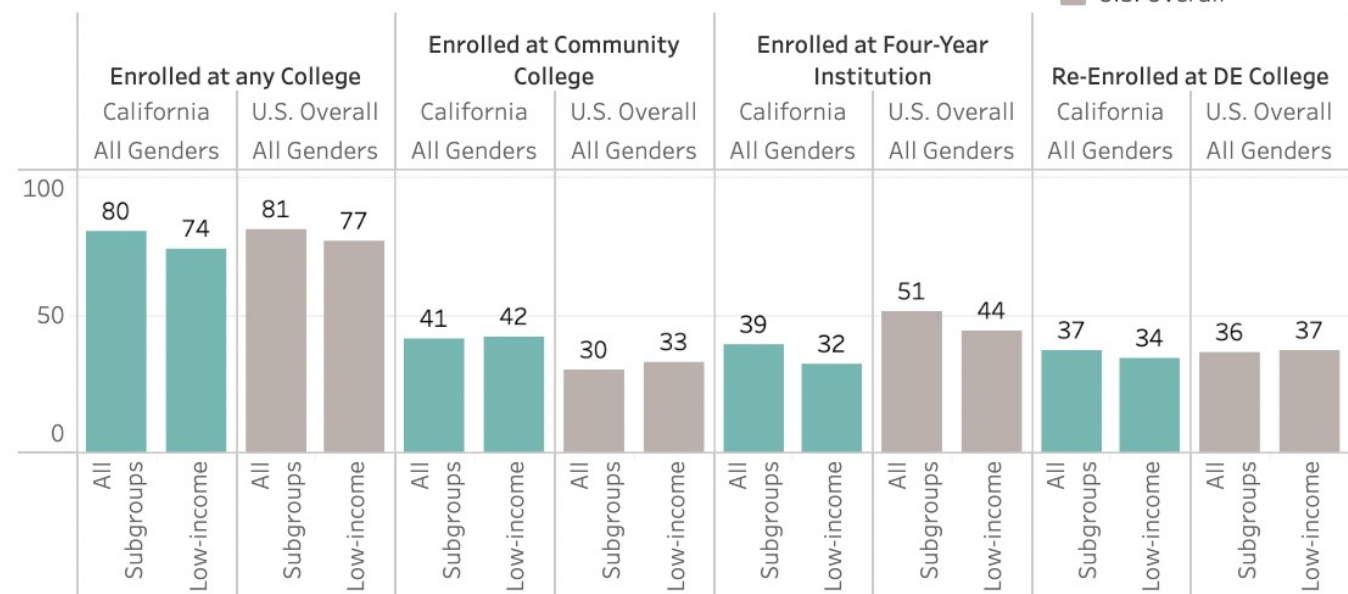
Examine Your State's Dual Enrollment Outcomes

The Postsecondary Outcomes of High School Dual Enrollment Students: A National and State-by-State Analysis



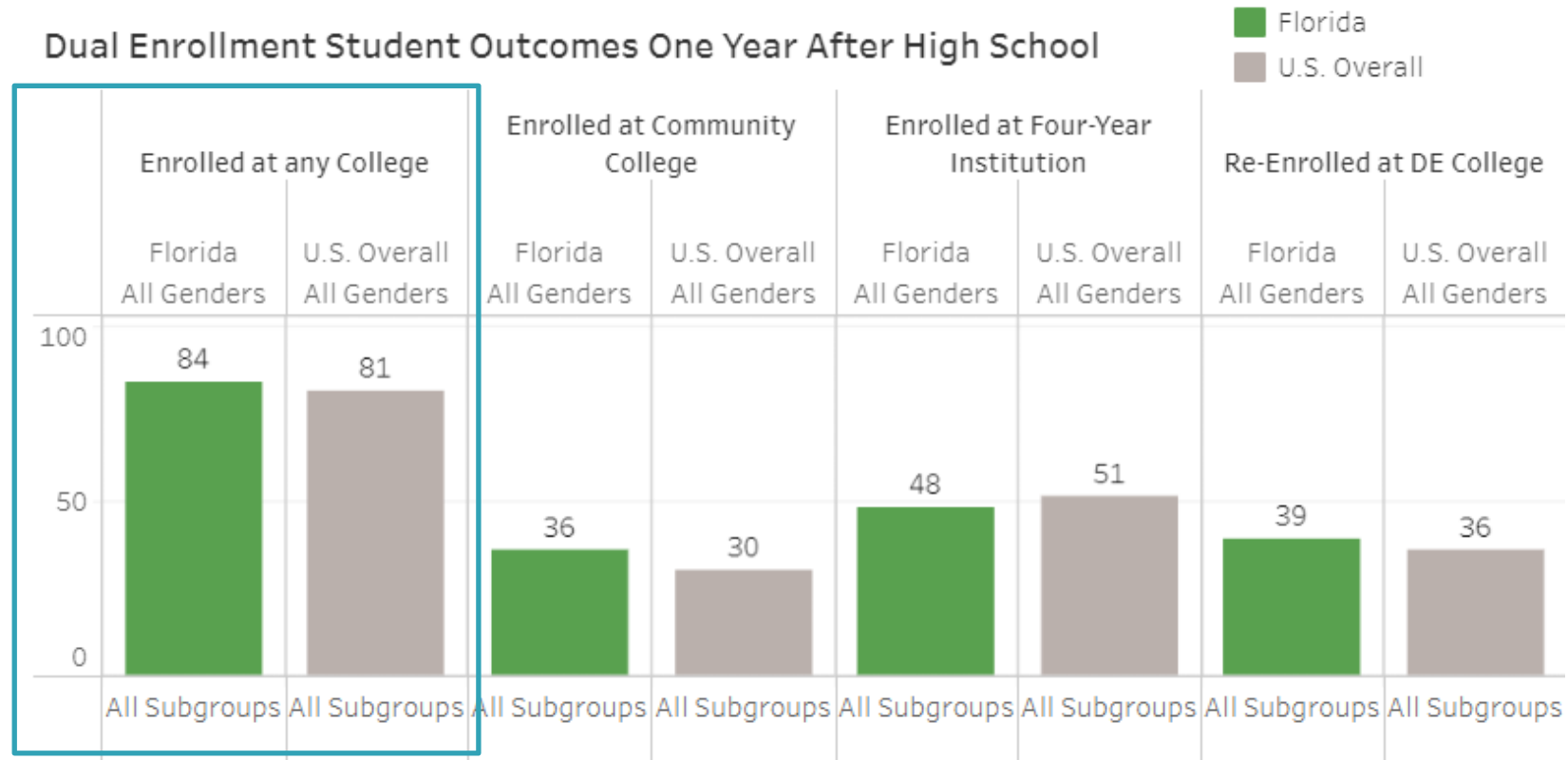
Select State to Compare Nationally: Show National Comparison: Dual Enrollment Sector: Subgroup Selection: Gender:

Dual Enrollment Student Outcomes One Year After High School

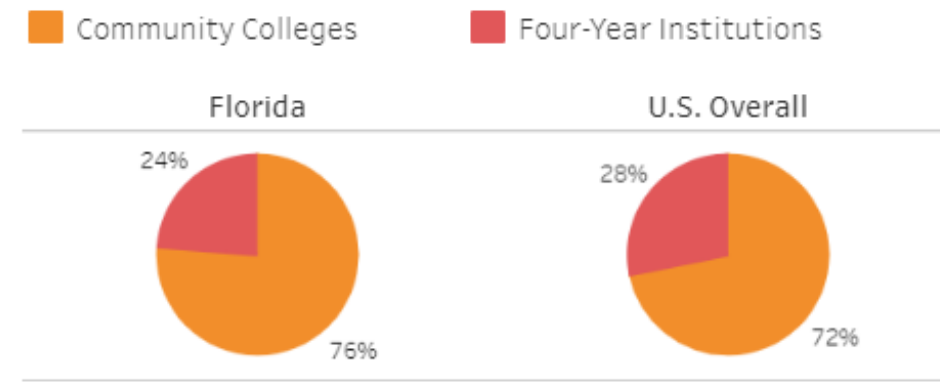


How does Florida compare to national benchmarks?

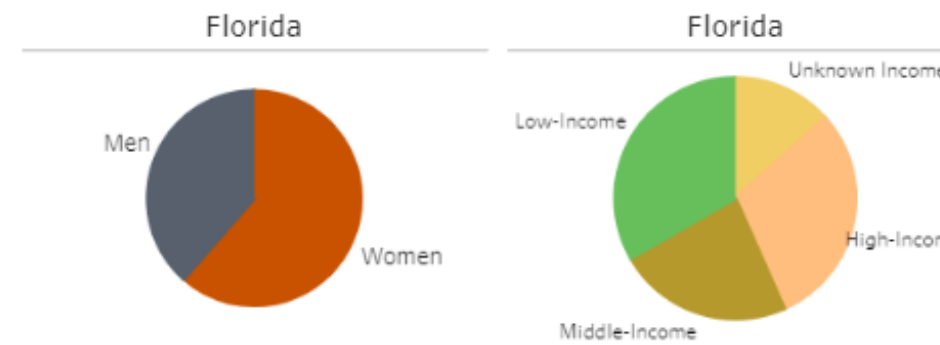
Dual Enrollment Student Outcomes One Year After High School



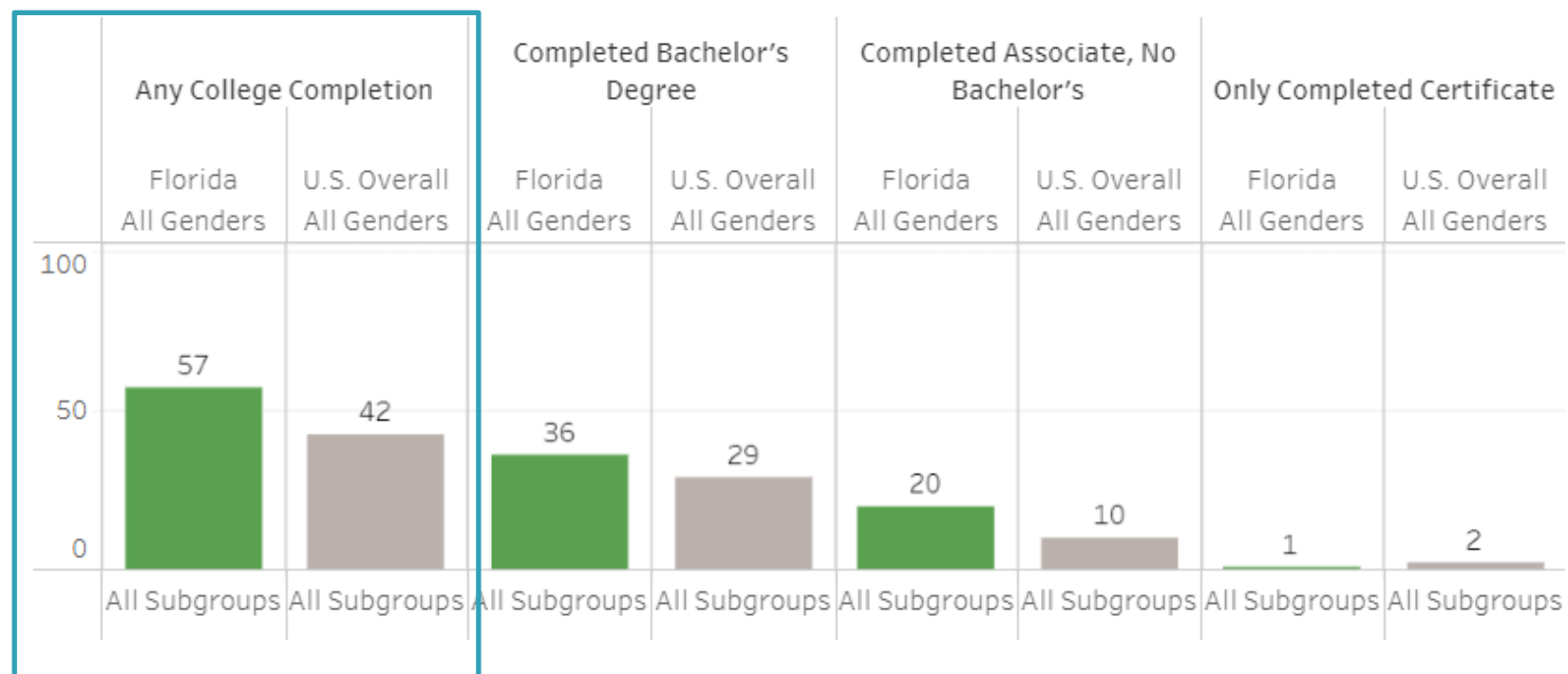
Dual Enrollment Sector Breakdown



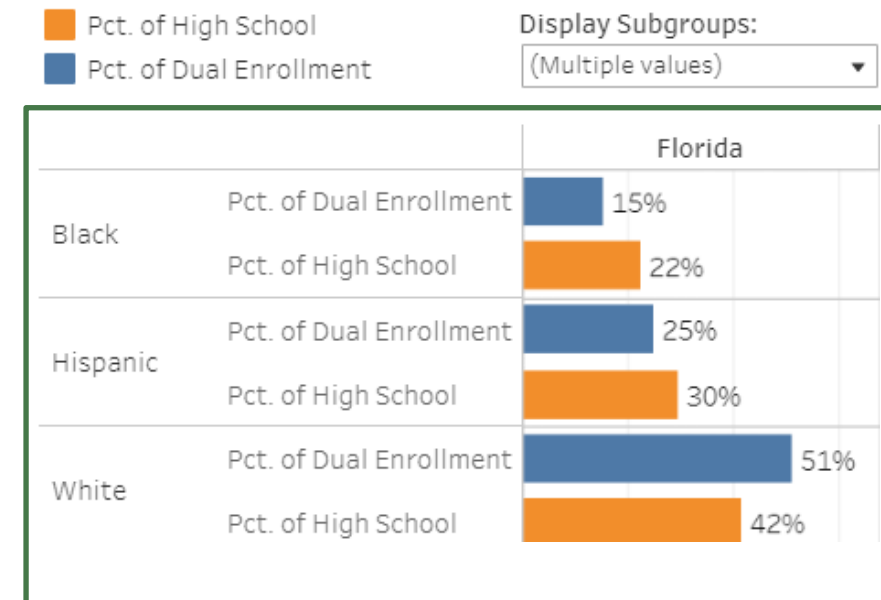
Dual Enrollment by Gender and Neighborhood Income



Dual Enrollment Student Outcomes Four Years After High School

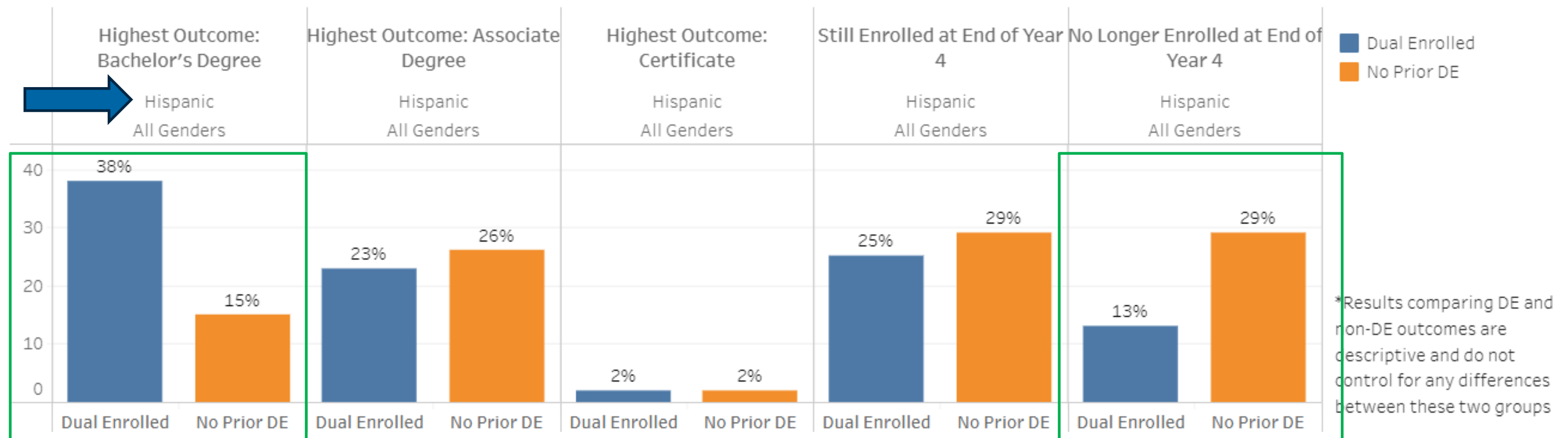


Racial/Ethnic Representation in Dual Enrollment
2015-16 CRDC Data



How do outcomes between DE and non-DE students differ in Florida? Spotlight on Hispanic students

Florida: Highest Outcomes Among DE Students Who Enrolled in College and Non-DE College Students (Ages 18-20)*



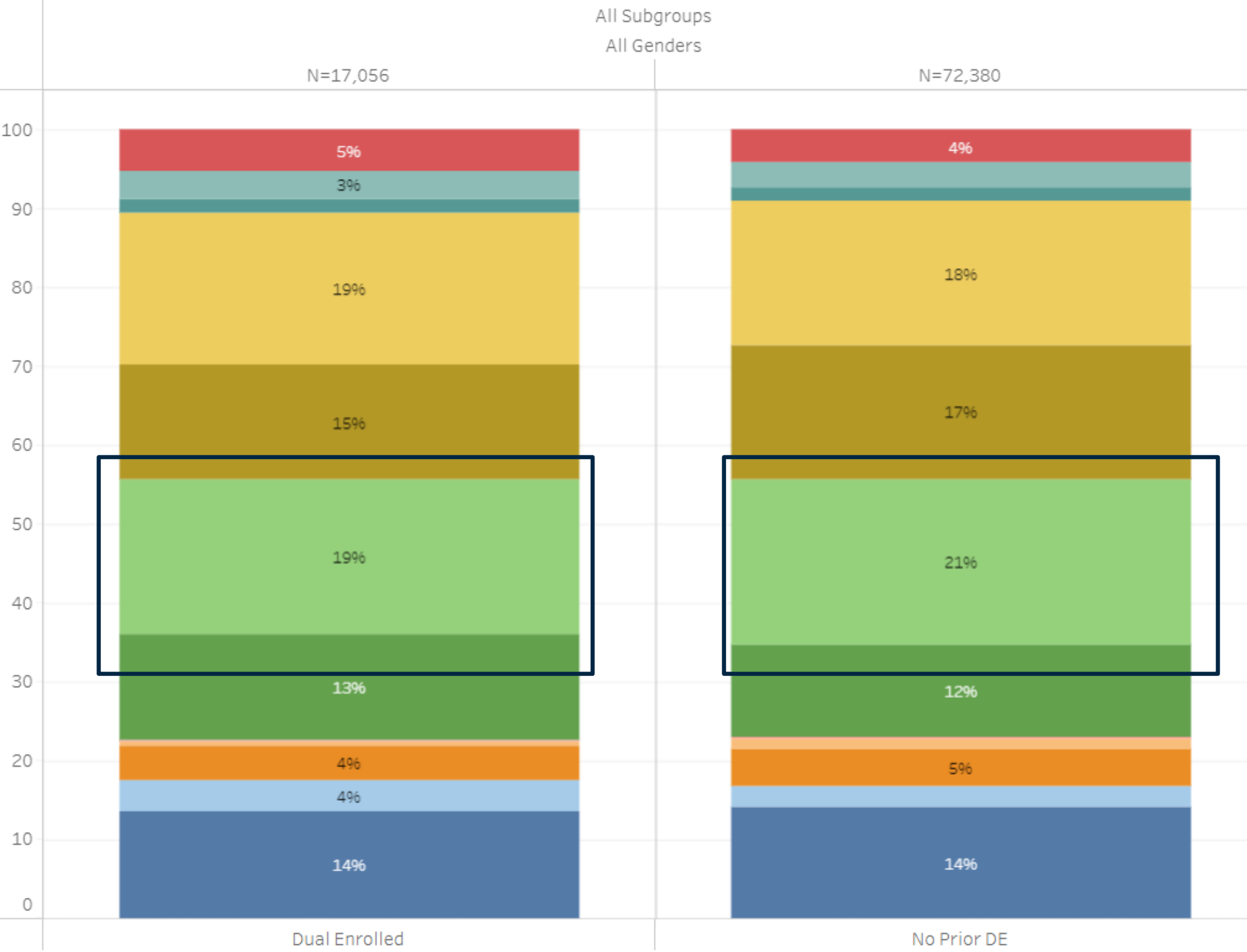
What bachelor's degree majors are Florida DE students completing?

Florida Students Who Completed a Bachelor's Degree Within Four Years:
Field of Study Among Dual Enrolled Completers and Completers Without Prior Dual Enrollment*

Bachelor Fields

- Public Services & Administration
- Education
- Agriculture & Natural Resource
- Social & Behavioral Sciences
- Arts, Humanities, & English
- Business
- Health Professions
- Unknown Field
- Applied Technology
- Engineering
- Computer Science
- Science & Mathematics

*Results comparing DE and non-DE outcomes are descriptive and do not control for any differences between these two groups



What bachelor's degree majors are Florida DE students completing? Spotlight on black students in STEM fields

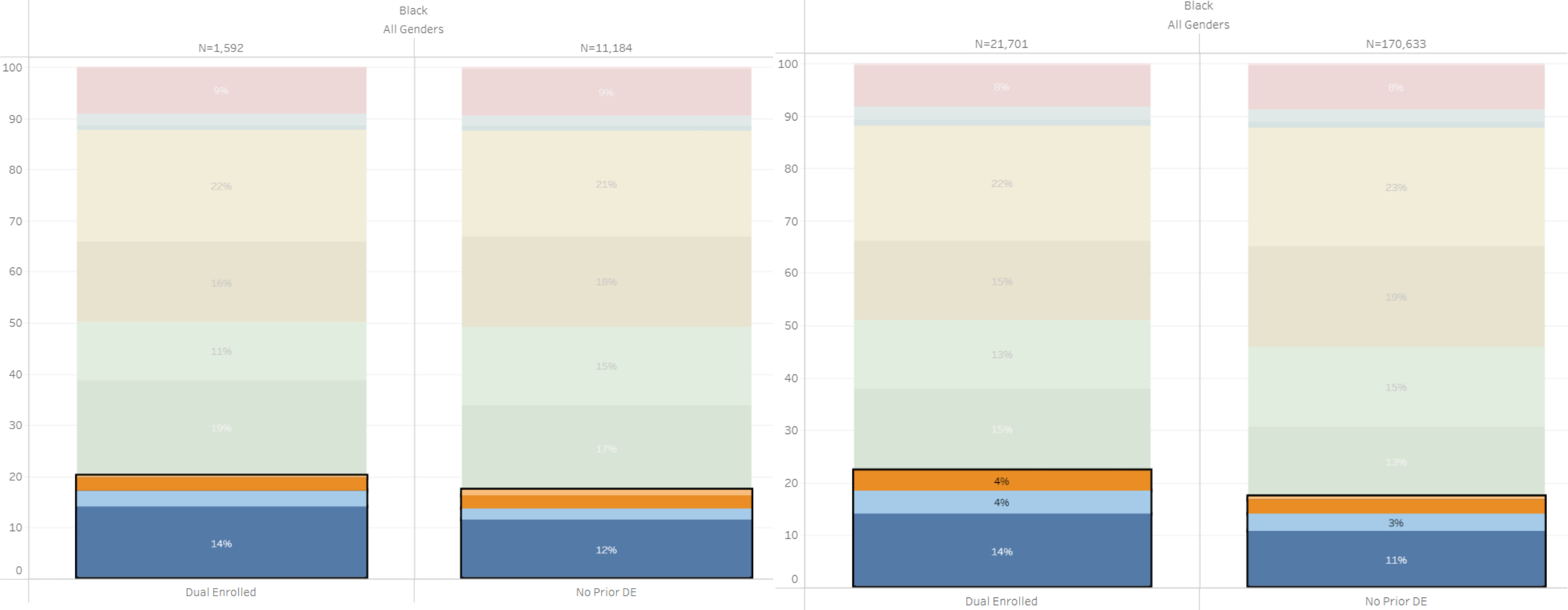
Florida

US Overall

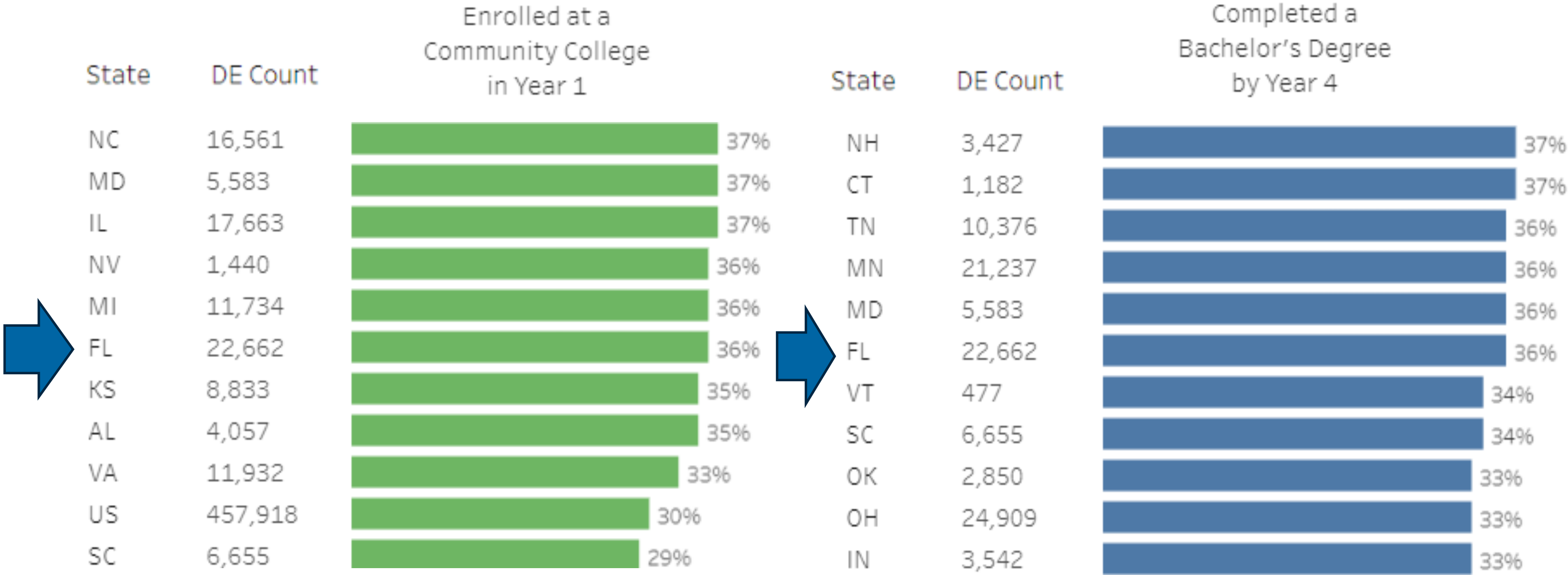
Florida Students Who Completed a Bachelor's Degree Within Four Years:
Field of Study Among Dual Enrolled Completers and Completers Without Prior Dual Enrollment*

U.S. Overall Students Who Completed a Bachelor's Degree Within Four Years:
Field of Study Among Dual Enrolled Completers and Completers Without Prior Dual Enrollment*

- Bachelor Fields**
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 - Education
 - Agriculture & Natural Resources
 - Social & Behavioral Sciences
 - Arts, Humanities, & English
 - Business
 - Health Professions
 - Applied Technology
 - Engineering
 - Computer Science
 - Science & Mathematics



How do outcomes for Florida compare to those of other states?



Note: The above visuals are incomplete and are intended to serve as examples. The dashboard compares all states across all outcomes.

Dashboard Link

<https://ccrc.tc.columbia.edu/dual-enrollment.html>

