

TEACHERS COLLEGE, COLUMBIA UNIVERSITY

# Estimating Trends in Access to Dual Enrollment using IPEDS and CRDC Data

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AIR IPEDS Educators Web Conference June 28th, 2021

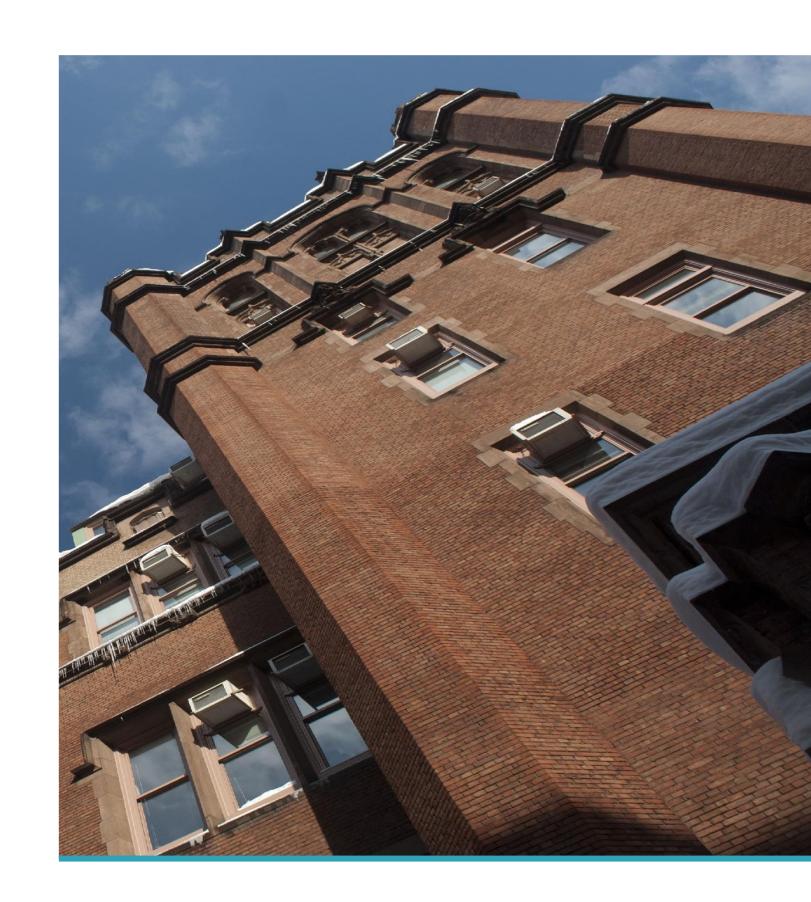


## **About CCRC**

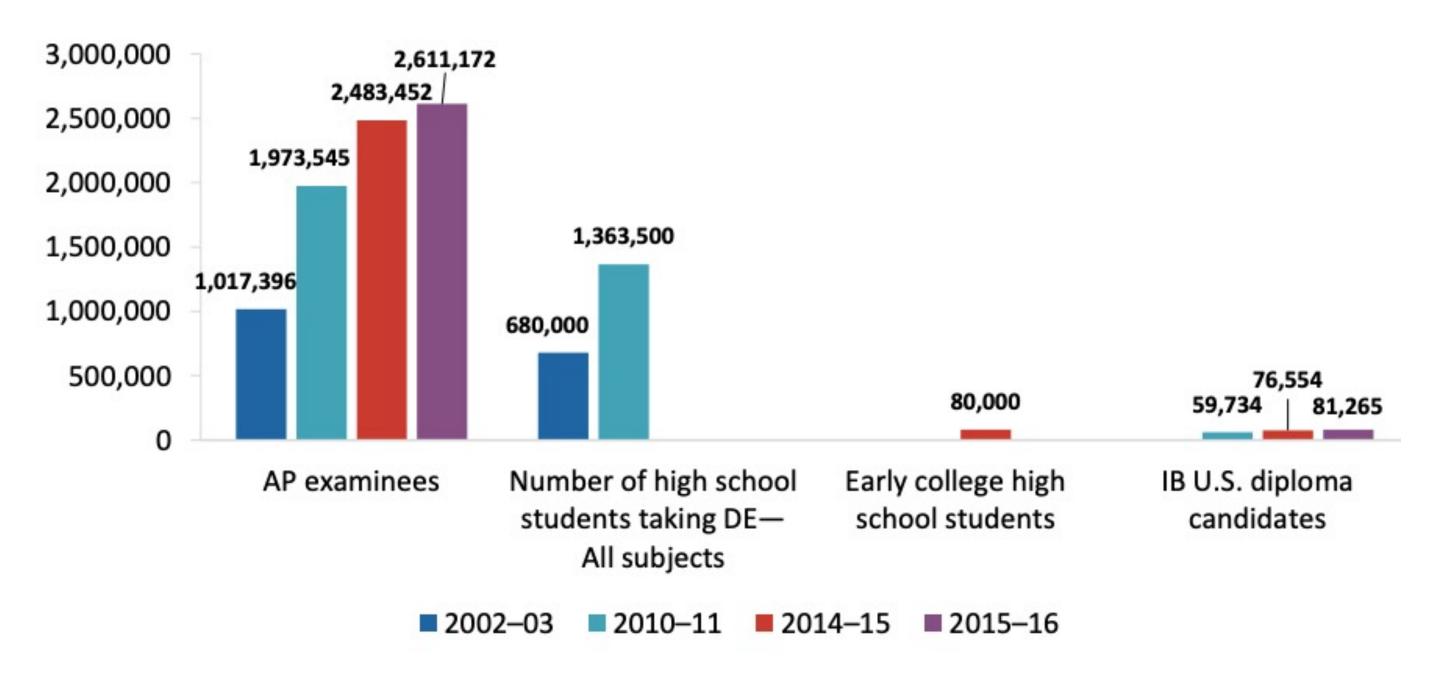
CCRC has been a leader in the field of community college research and reform for over 20 years. Our work provides a foundation for innovations in policy and practice that help give every community college student the best chance of success.

#### Our areas of research include:

- College readiness and dual enrollment programs, and the transition from high school to college
- Developmental education and adult basic skills
- Non-academic support services, financial aid, and student engagement
- Online education and instructional technology
- Student persistence and completion, and transfer to fouryear colleges
- Guided pathways, institutional reform, and performance funding
- Workforce education and training and the economic returns to higher education

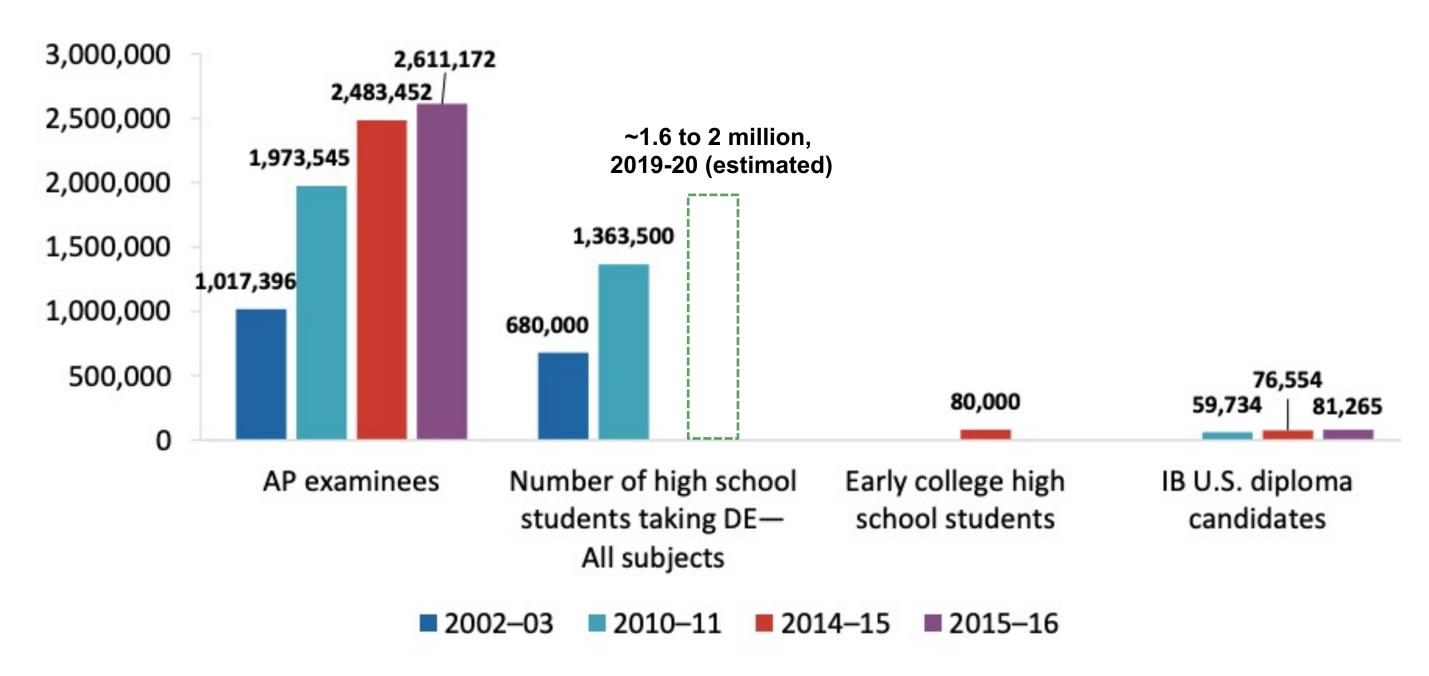






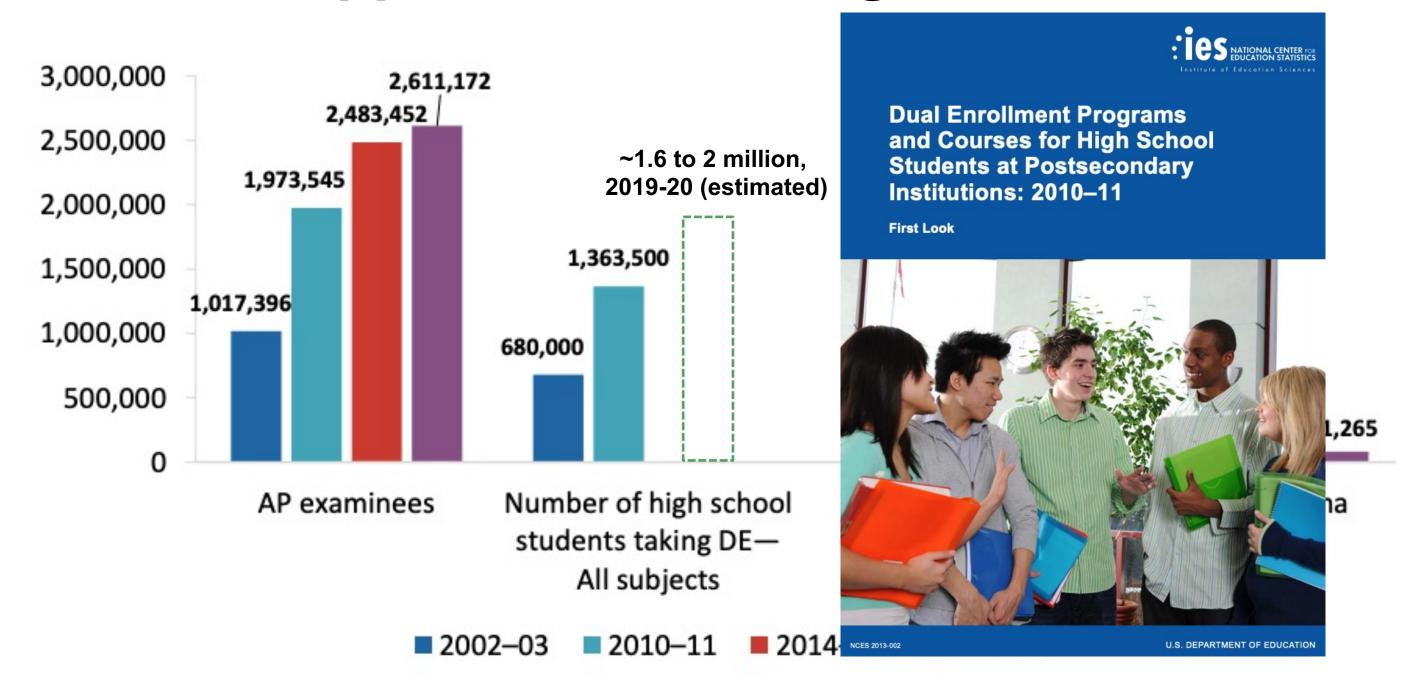
Note (from original figure): National enrollment data do not exist for DE and CTE beyond 2010–11.





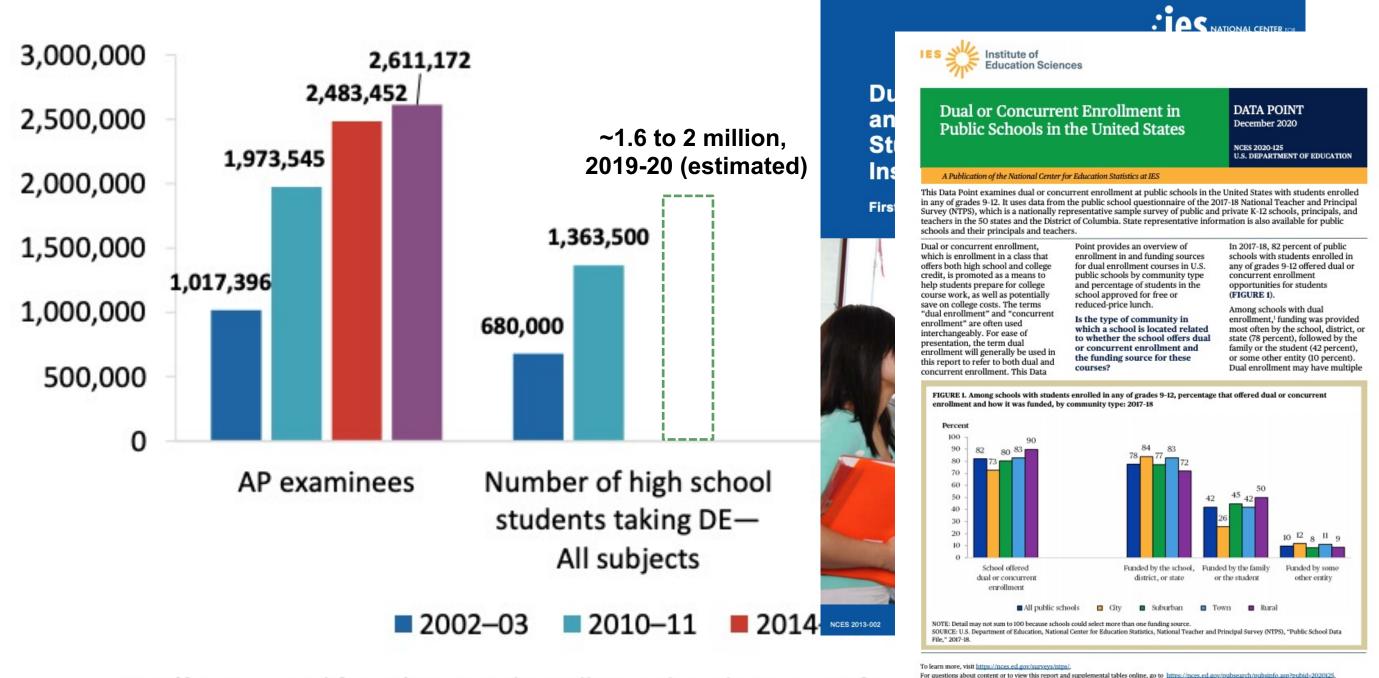
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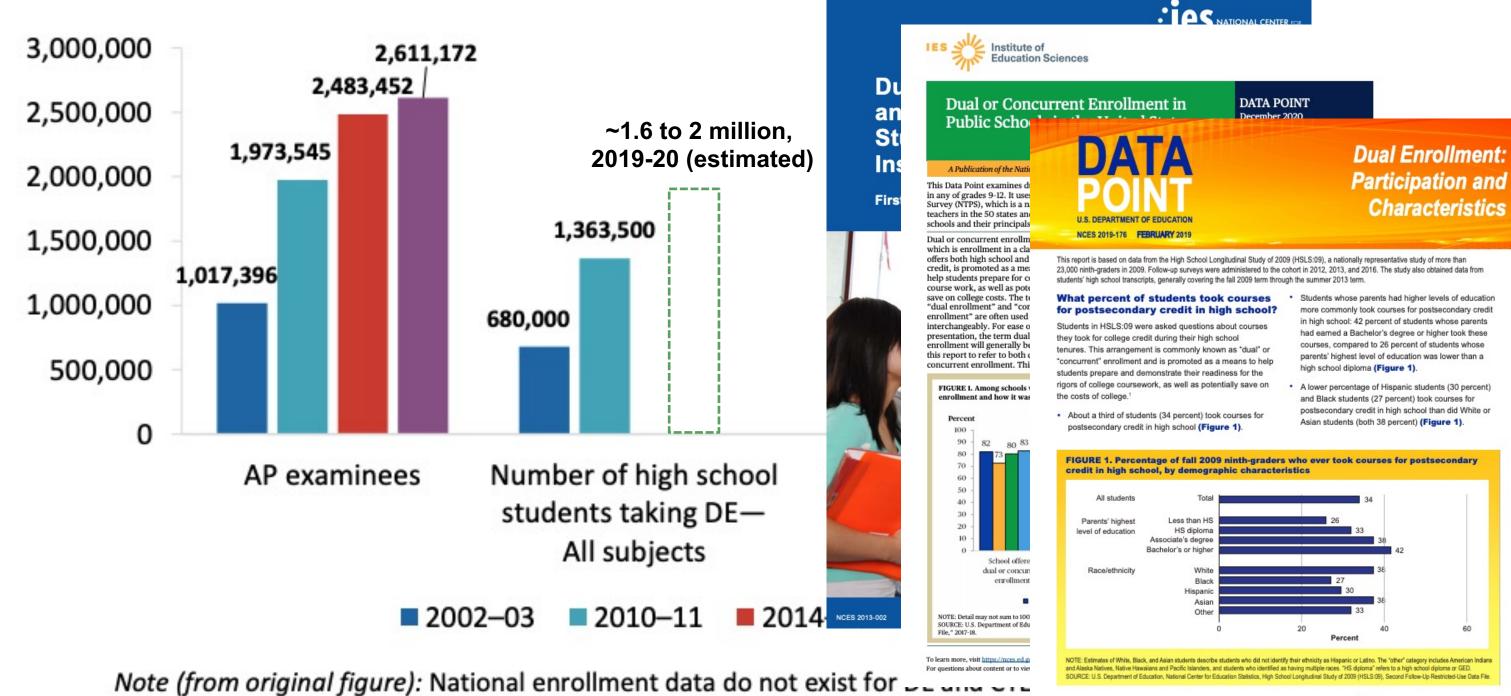




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Source: College Board, 2017, p. 9, Figure 1. (Figure A1 reproduces all data from the



Data in this report are from the High School Longitudinal Study of 2009 (HSLS:09), a nationally representative sample survey. To learn more, visit <a href="https://nces.ed.gov/surveys/bals/99/">https://nces.ed.gov/surveys/bals/99/</a>. To learn more, visit <a href="https://nces.ed.gov/surveys/bals/99/">https://nces.ed.gov/surveys/surveys/bals/99/</a>. To learn more, visit <a href="https://nces.ed.gov/surveys/bals/99/">https://nces.ed.gov/surveys/surveys/bals/99/</a>. To learn more, visit <a href="https://nces.ed.gov/surveys/bals/99/">https://nces.ed.gov/surveys/bals/99/</a>. To learn more, visit <a href="https://nces.ed.gov/surveys/gov/surveys/bals/99/">https://nces.ed.gov/surveys/bals/99/</a>. To learn more, visit <a href="https://nces.ed.gov/surveys/gov/surveys





## Session Overview: Accessing Federal Data on Access to Dual Enrollment by State, College, and School

	Data Source	Description	How to access
K-12 Schools & Districts	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	Individual school/district lookup: <a href="https://ocrdata.ed.gov/">https://ocrdata.ed.gov/</a> Maps and gaps: <a href="https://ccrc.tc.columbia.edu/easyblog/ap-dual-enrollment-access-update.html">https://ccrc.tc.columbia.edu/easyblog/ap-dual-enrollment-access-update.html</a>
Colleges & Universities	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	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#!/vizhome/Und ergraduateEnrollmentTrendsbySector/Summary





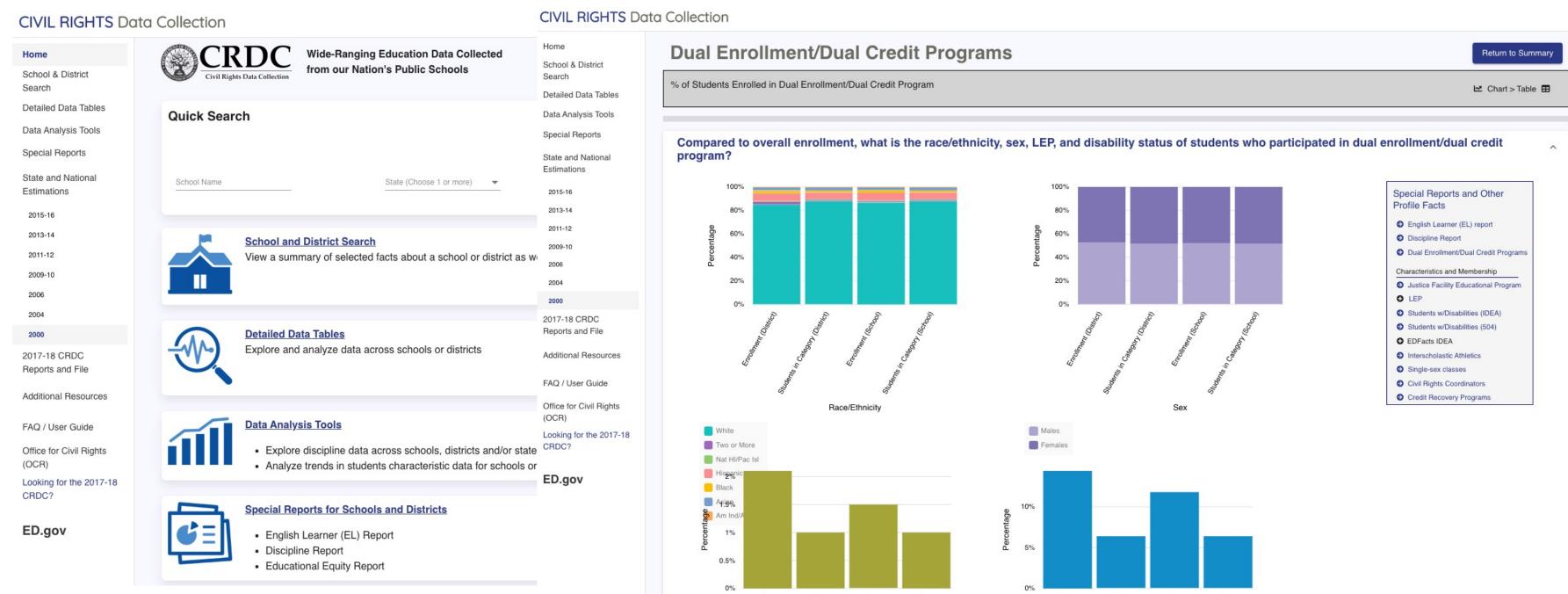
## **Dual Enrollment Definitions**

<u>Dual enrollment/dual credit programs</u> 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.

## PEDS Integrated Postsecondary Education Data System

<u>Dual Enrollment</u> 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.



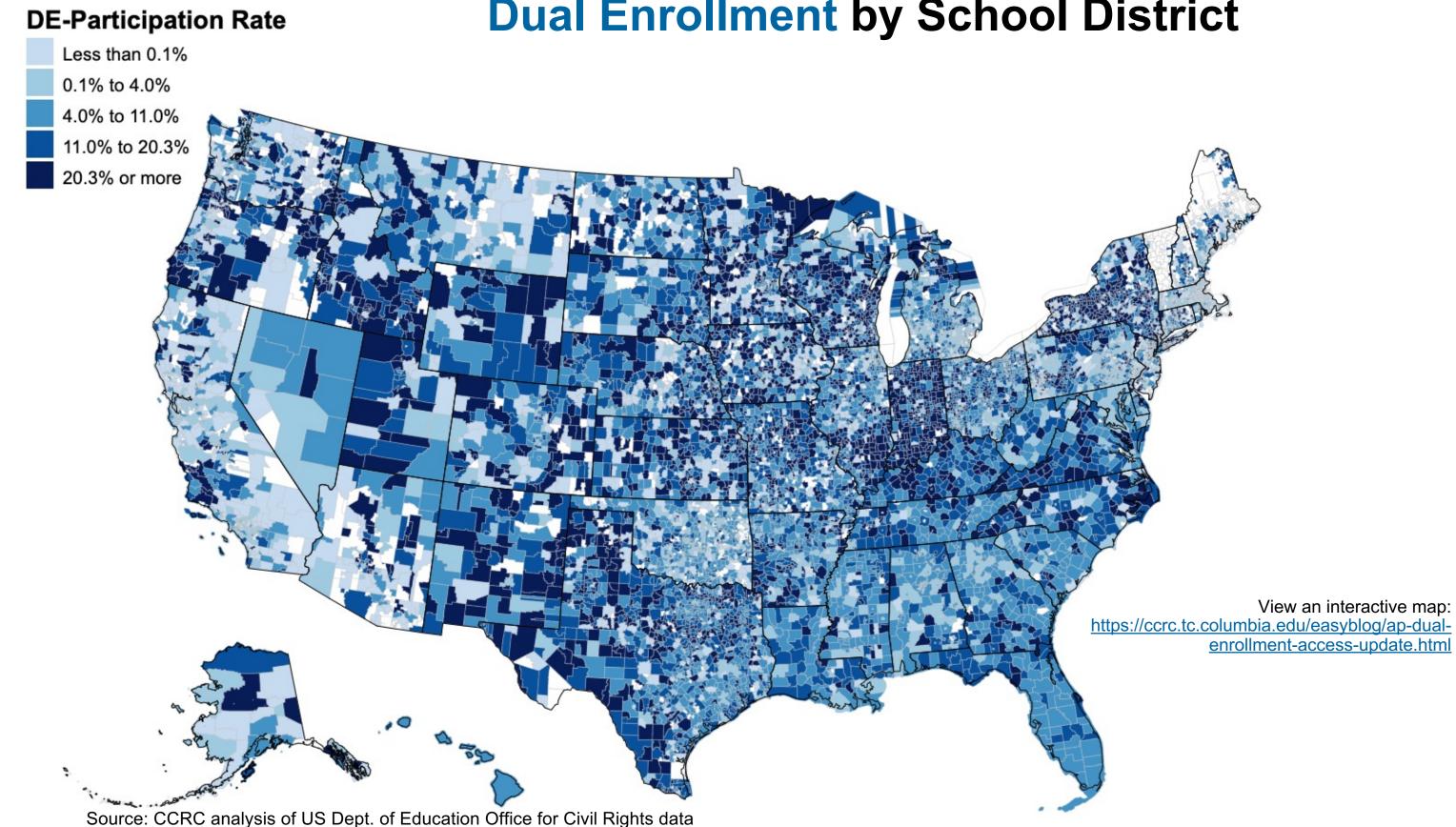
Individual school/district lookup: <a href="https://ocrdata.ed.gov/">https://ocrdata.ed.gov/</a>

## Access to Dual Enrollment: K-12 Schools and District



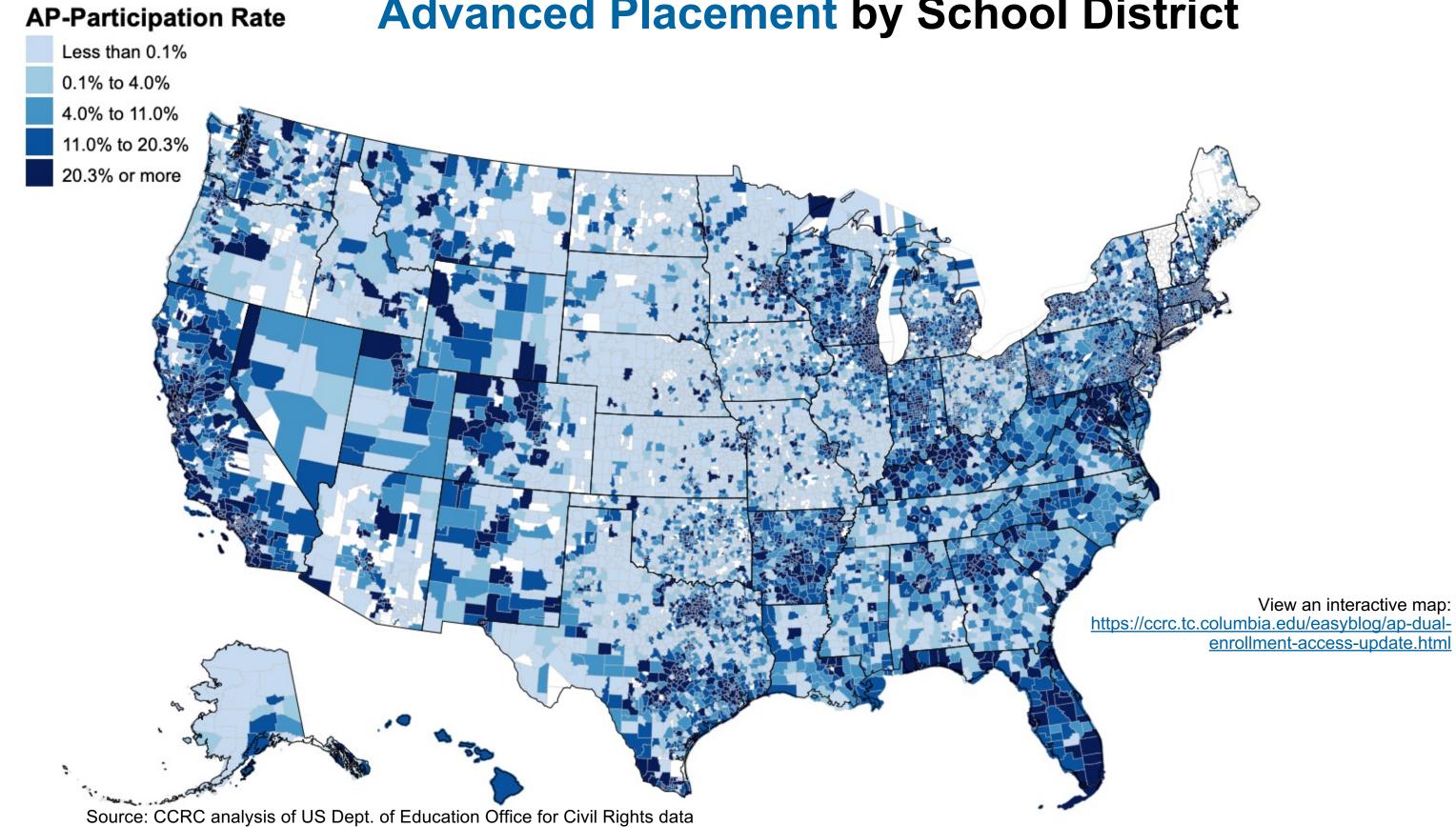


## 2017-18 High School Student Participation in Dual Enrollment by School District



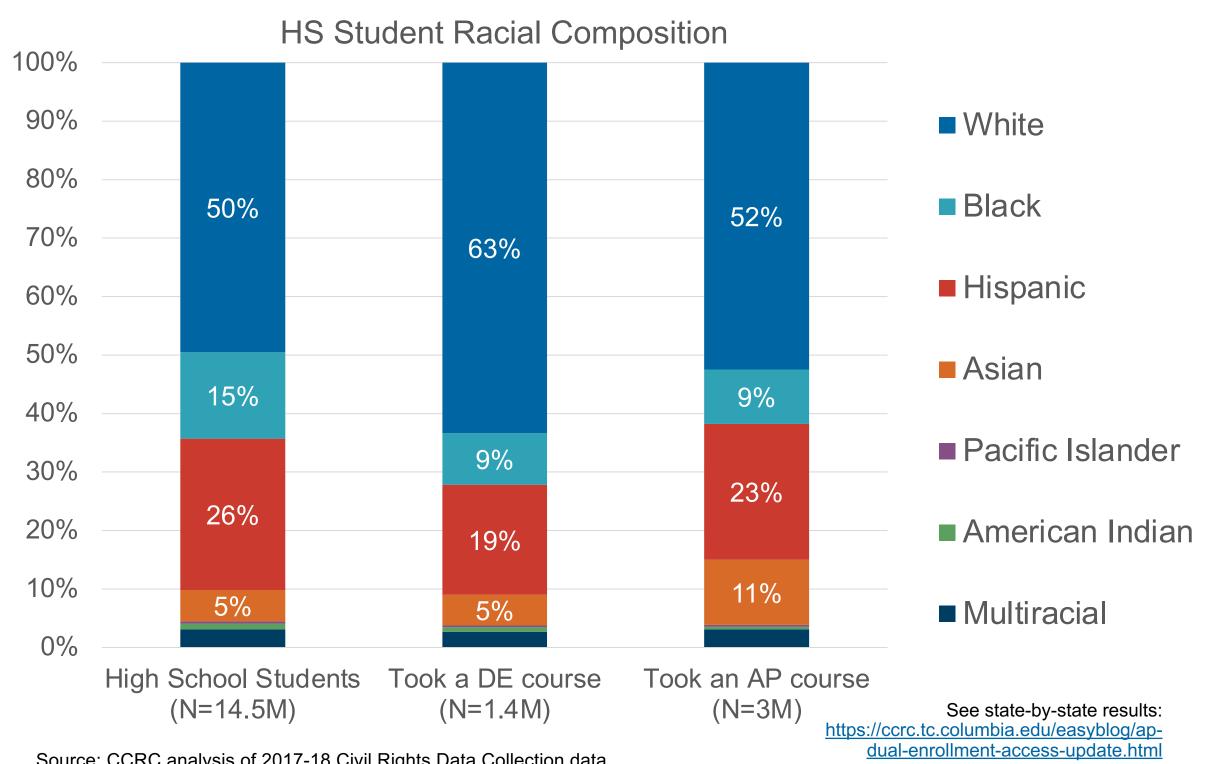


## 2017-18 High School Student Participation in Advanced Placement by School District





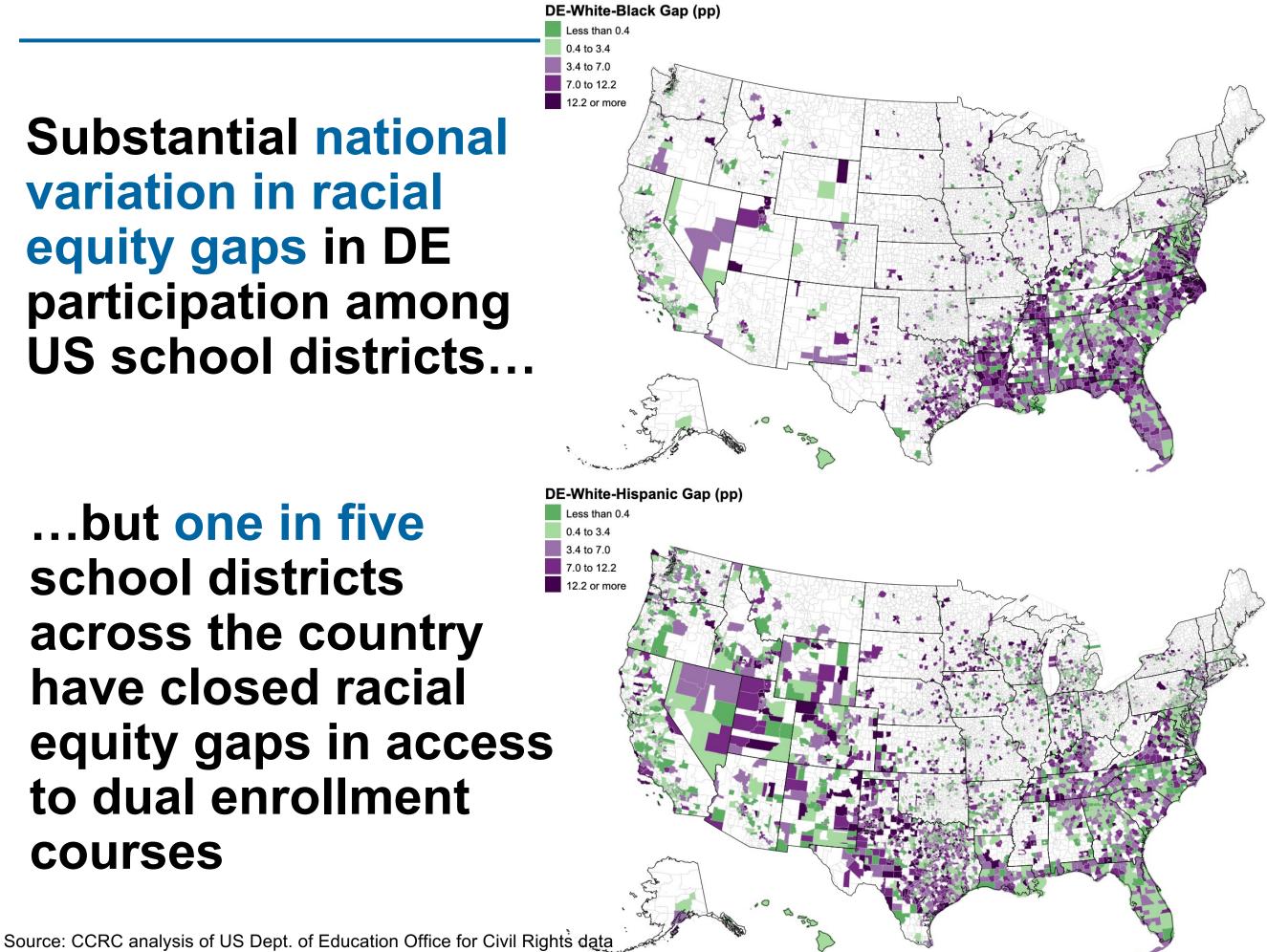
## Black, Native, Hispanic, & Pacific Islander HS Students Underrepresented in Dual Enrollment & AP courses



Source: CCRC analysis of 2017-18 Civil Rights Data Collection data

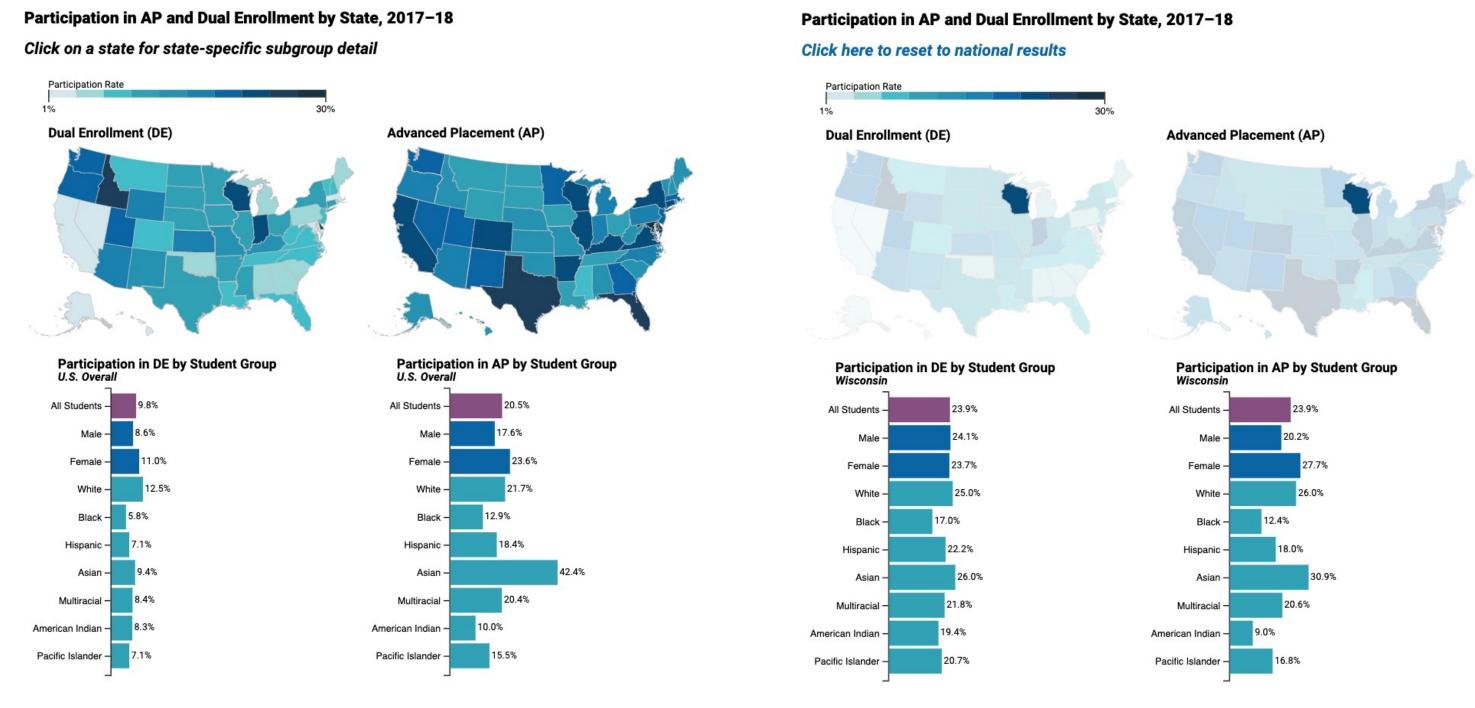
Substantial national variation in racial equity gaps in DE participation among **US** school districts...

...but one in five school districts across the country have closed racial equity gaps in access to dual enrollment courses





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

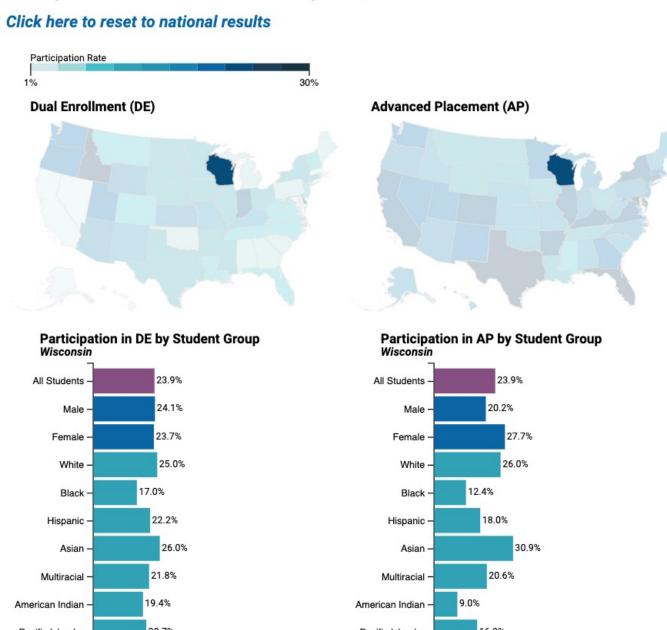


https://ccrc.tc.columbia.edu/easyblog/ap-dual-enrollment-access-update.html

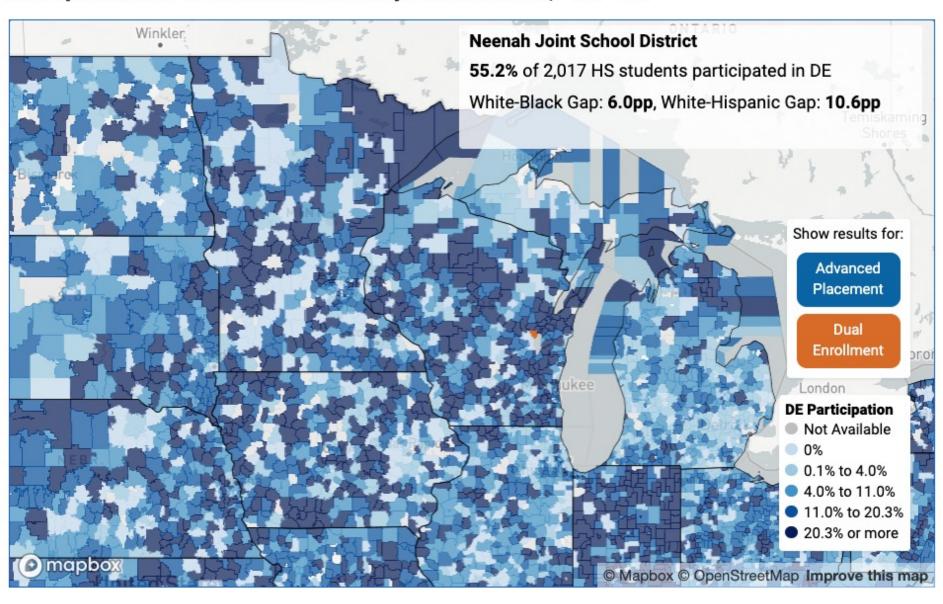


## CCRC Web Tool: Access to AP and Dual Enrollment Among States and Districts

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



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



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



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

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

A Detailed Look at AP and Dual Enrollment Participation by School and District Lookup a District Schools in a District Districts within States COMMUNITY COLLEGE Equity in Access to College Acceleration Civil Rights Data Collection District Search TEACHERS COLLEGE, COLUMBIA UNIVERSITY Racial Equity Gaps in Dual Enrollment Participation Compare District DE/AP Participation Appleton Area School District, WI and Racial Equity Gaps to State Averages (2017-18 School Year) White-Black Gap White-Hispanic Gap 8.0pp Select a District Percentage Point Gap Appleton Area School District, WI 6.0pp Show results for: Advanced Placement 2.8pp Dual Enrollment District 0.7pp State Average 0 Show more/fewer groups **Dual Enrollment** Filter by gender

Participation by Race/Ethnicity

Appleton Area School District, WI

Black Asian Hispanic White 32% 31% 31% 31% 26% Participation Rate 25% 25% 24% 22% 17% +ableau

(Multiple values)

•

All

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

#### 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



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

Select a District ▼ Short Short Short Short ▼ Short ▼

Show results for:

Advanced Placement

Dual Enrollment

#### Dual Enrollment Participation and Gaps

Appleton Area School District, WI High Schools

High School	HS Enr ollmen =	All Student s Partic.	Black Parti c.	Hispanic Pa rtic.	White Parti c.	White-Blac k Gap	White-Hisp anic 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 Academ	y 289	1%			1%		
Renaissance School	161	9%			8%		
Tesla Engineering Charter School	ol 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

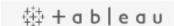
#### CCRC

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

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

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







dual enrollment











IPEDS Data Use Help Desk (866) 558-0658 or ipedstools@rti.org

#### **Use the Data**

Access IPEDS data submitted to NCES through our data tools or download the data to conduct your research



#### Data Explorer

Search for tables, charts, publications, or other products related to postsecondary education by keywords and filters.



#### **IPEDS Survey Components**

Learn more about the individual IPEDS survey components: view training videos, infographics, answers to frequently asked questions, survey forms, and more.



#### Data Trends

Use the Trend Generator to view trends on most frequently asked subject areas including: Enrollment, Completions, Graduation Rates, Employees and Staff, Institutional Revenues, and Financial Aid.



#### Look Up an Institution @

Look up information for one institution at a time. Data can be viewed in two forms: institution profile (similar to College Navigator) and reported data (institution's response to each survey question).



#### Compare Institutions 9

Download IPEDS data files for more than 7,000 institutions and up to 250 variables. Data files are provided in comma separated value (\*.csv) format.



#### Survey Data

Data are available starting with the 1980-81 collection year for the Complete data files and Custom data files functions, which zip the data into comma separated value (\*csv). Beginning with the 2004-05 collection year, data for each collection year are compiled into an Access database.

Select download option



#### Shortcuts

Use these shortcuts to expedite the research process if you are a frequent or returning

Select your shortcut

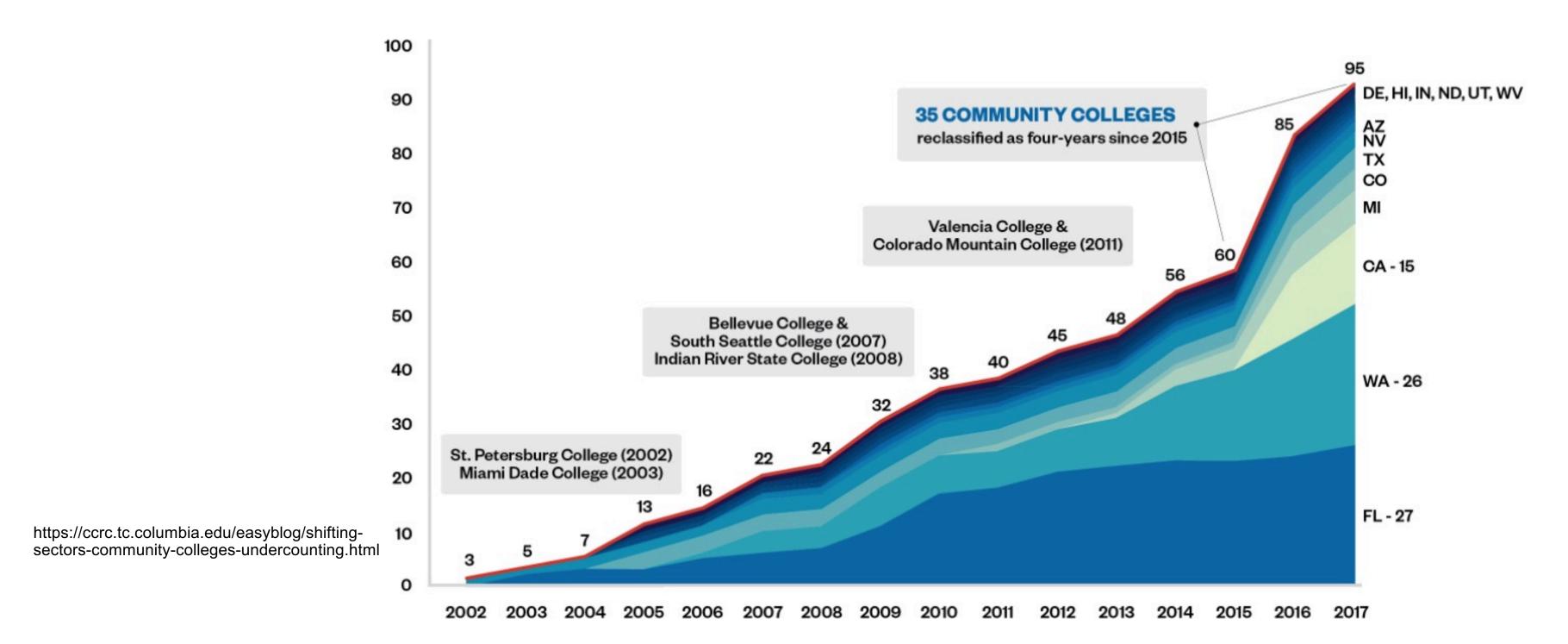
Download raw IPEDS data: https://nces.ed.gov/ipeds/use-the-data

## Access to Dual Enrollment (Age <18): Colleges & Universities



## **Challenges Identifying Community Colleges in IPEDS**

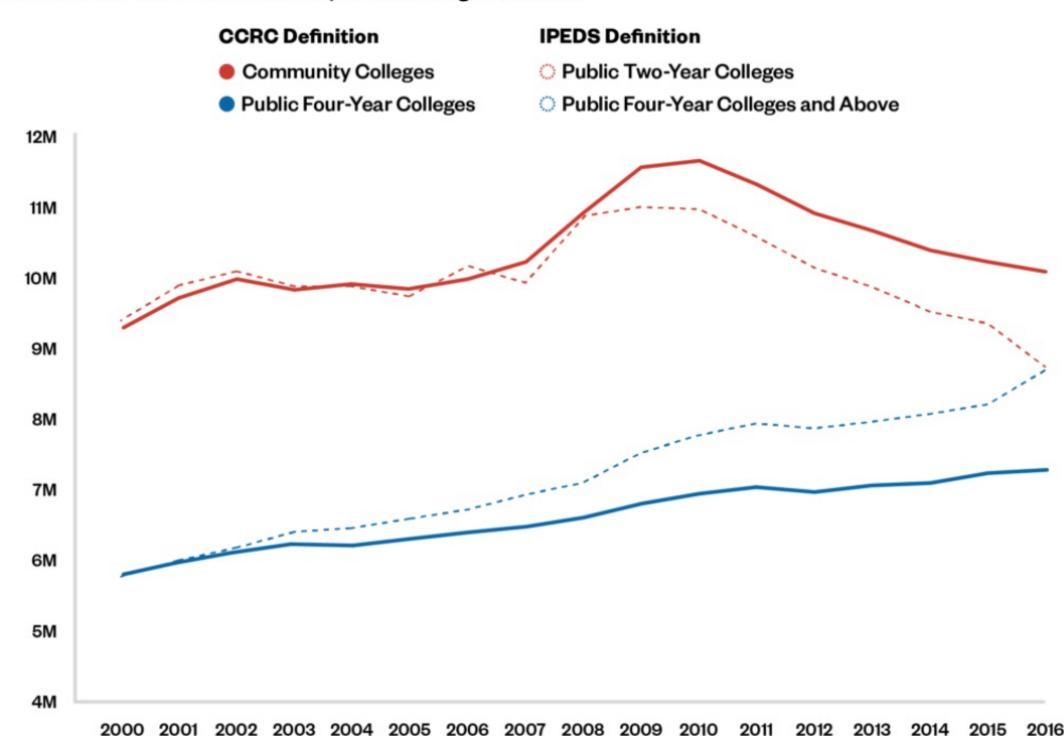
### Community Colleges Listed as Public Four-Year Institutions in IPEDS





### **Reclassifying Community Colleges Tells a Different Story**

### Academic Year Headcount, All Undergraduates



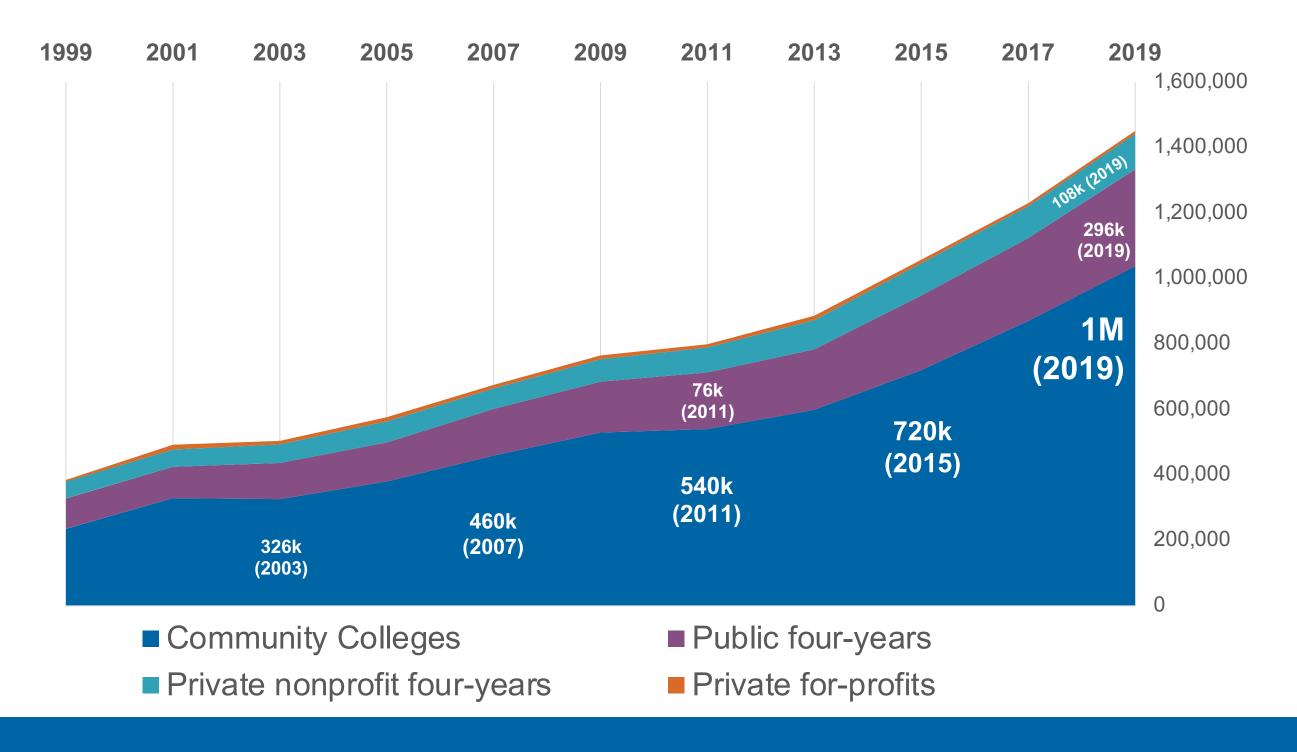
https://ccrc.tc.columbia.edu/easyblog/shifting-sectors-community-colleges-undercounting.html



# Growth of Dual Enrollment 1999-2019

Fall Undergraduate Enrollments among Students Aged 17 or Younger

**IPEDS Fall Enrollments** 



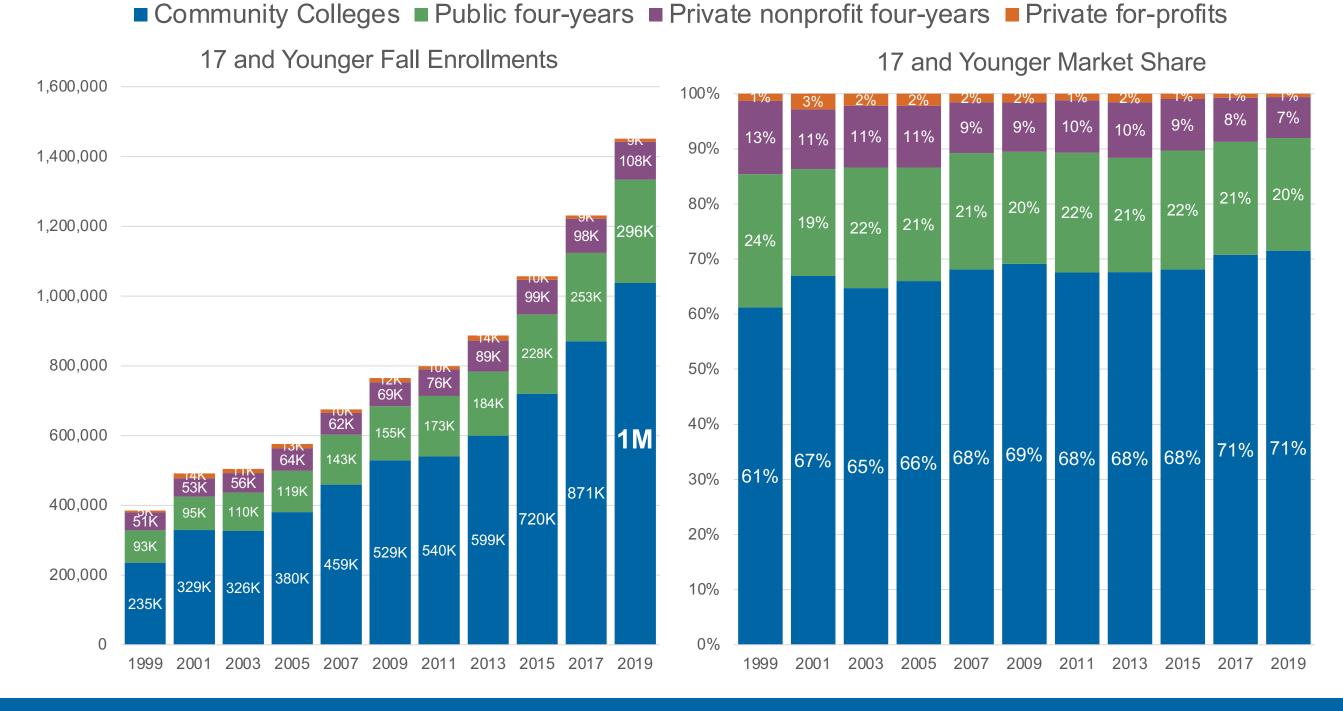
## **Expansion of Dual Enrollment Concentrated at Community Colleges**



TEACHERS COLLEGE, COLUMBIA UNIVERSITY

# Growth of Dual Dual Enrollment 1999-2019 IPEDS Fall Enrollments

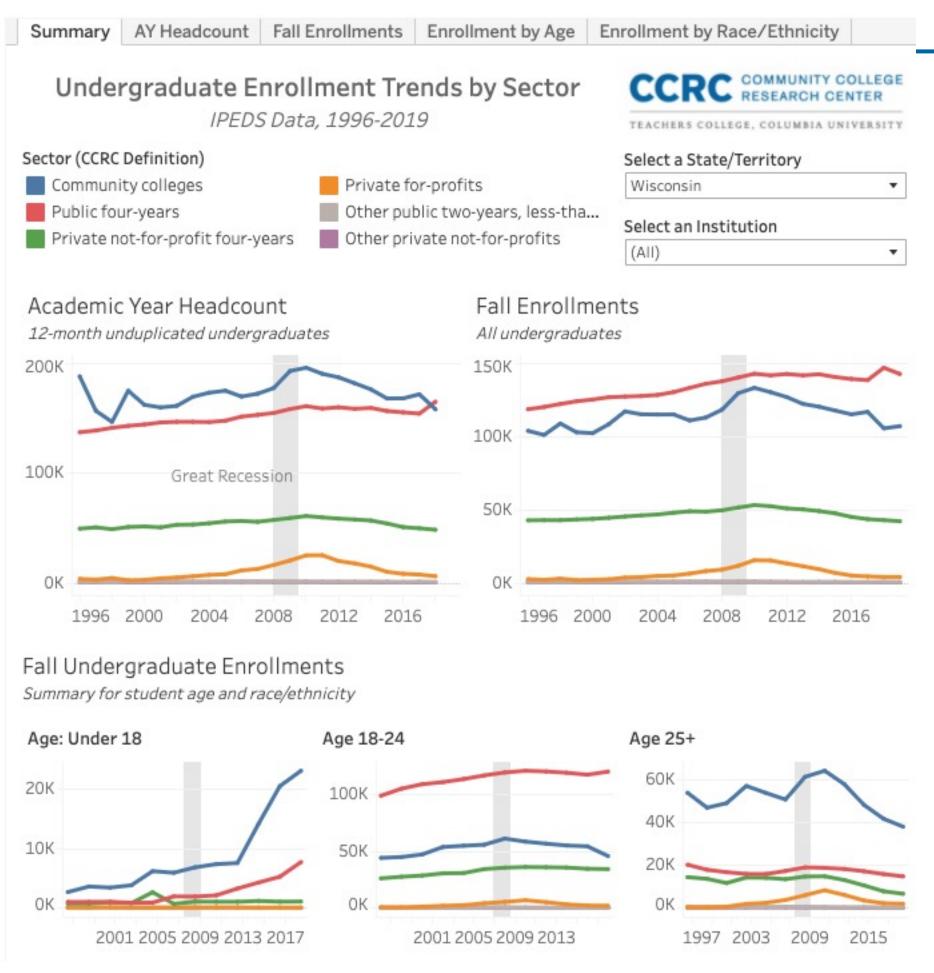
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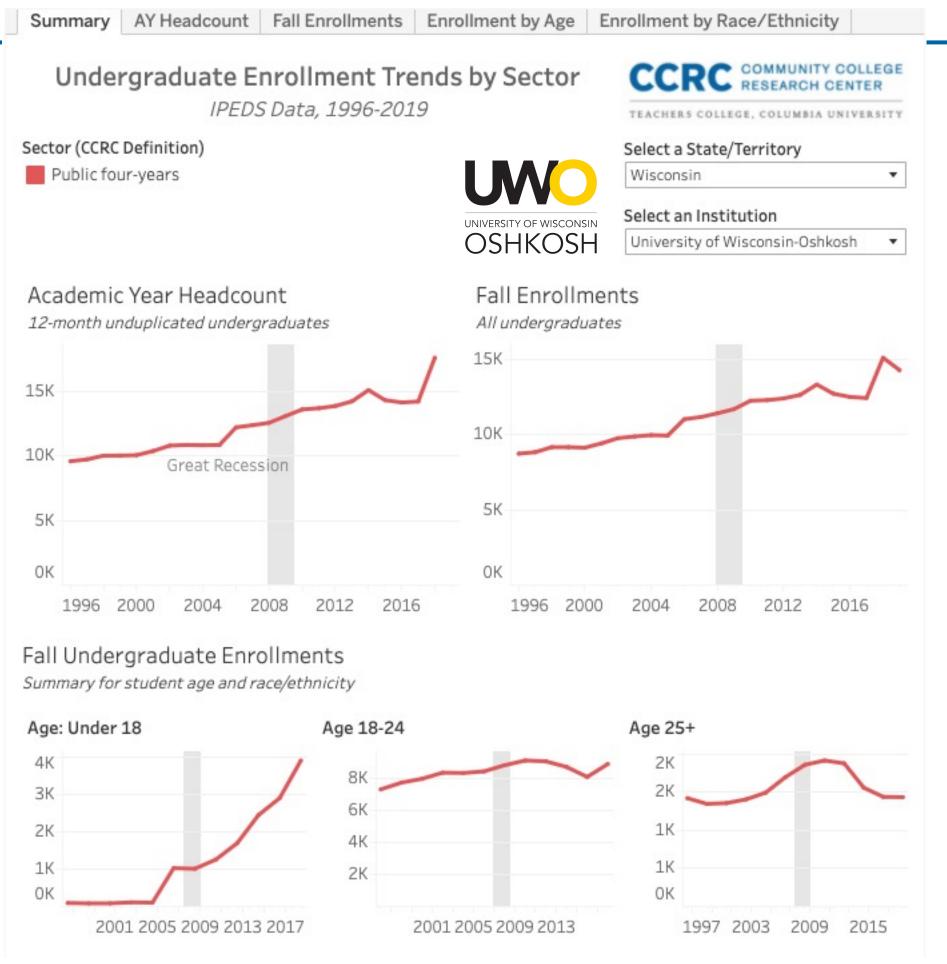


## CCRC Web Tool: Undergraduate Enrollment Trends



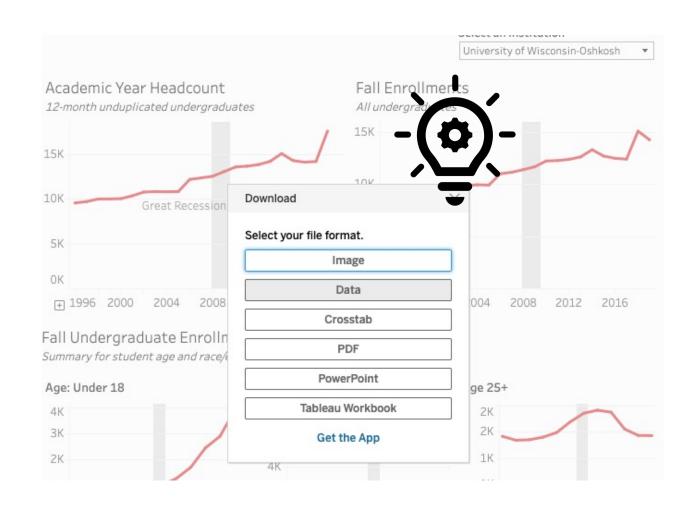


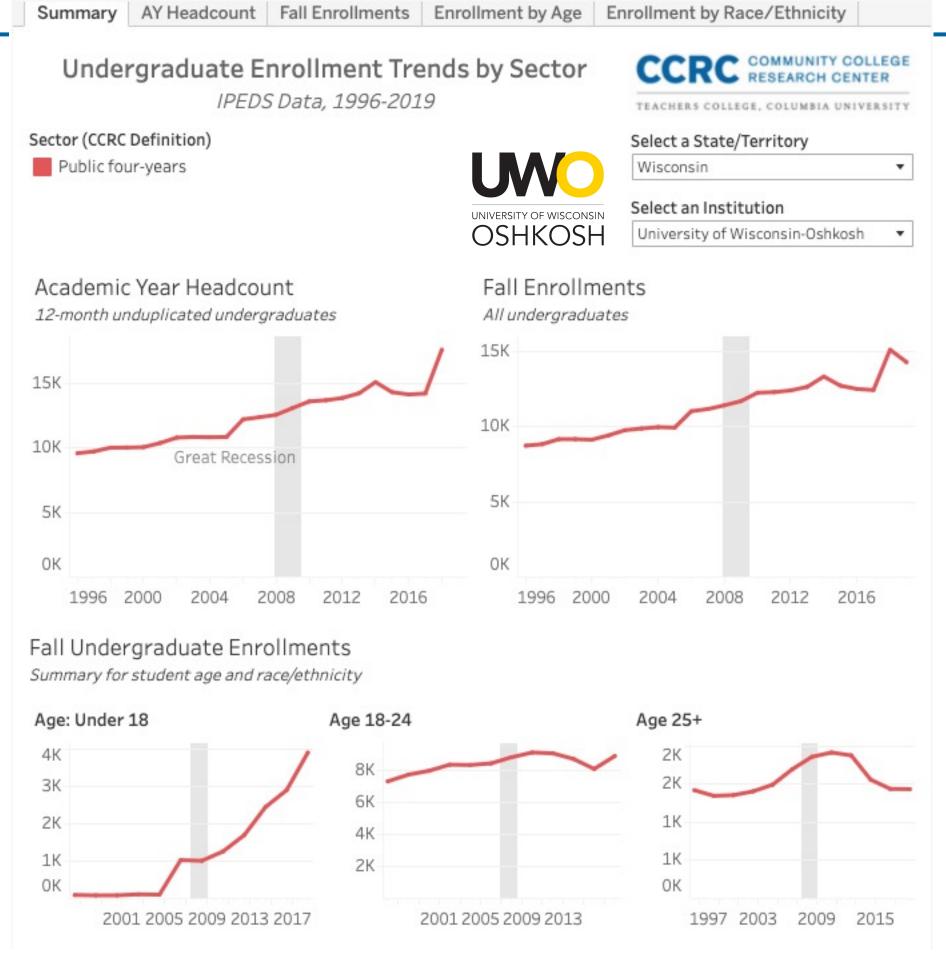
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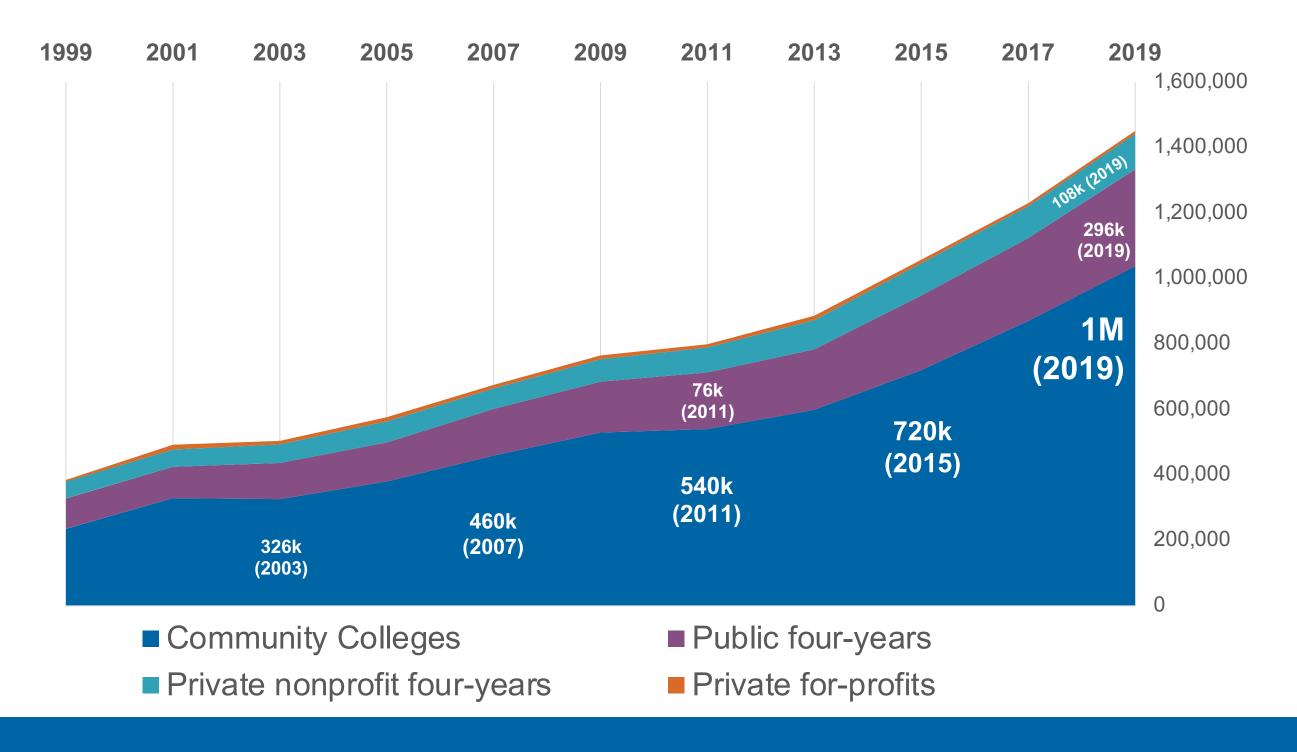




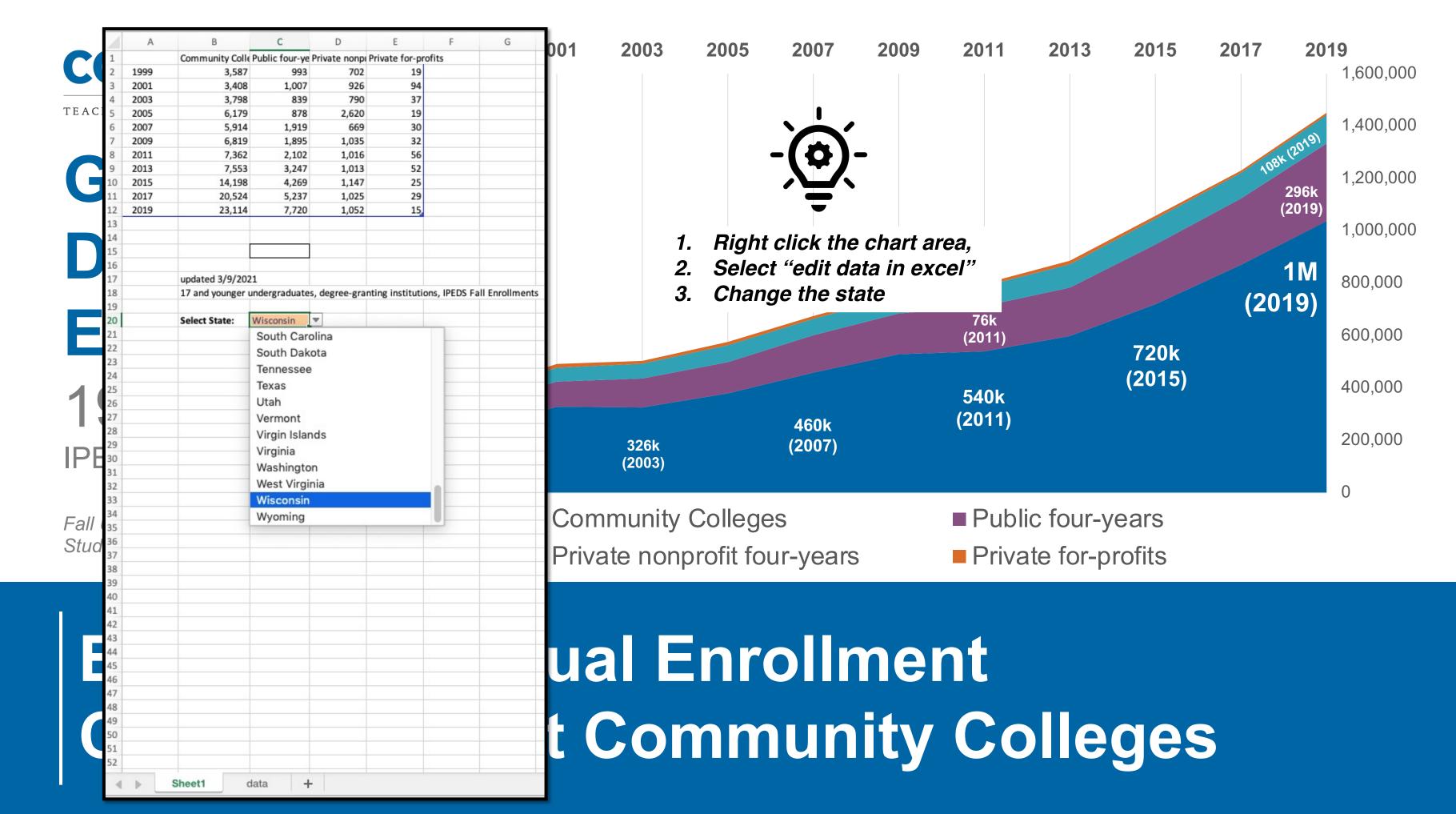
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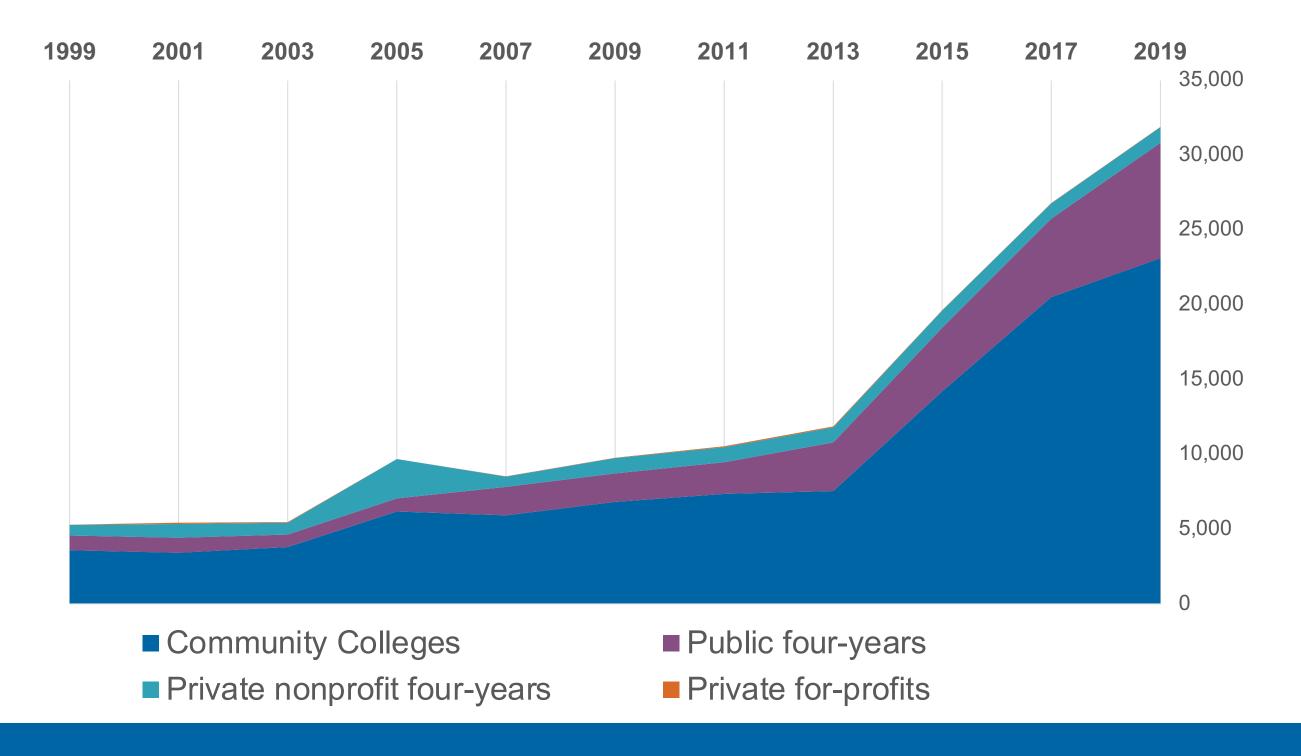




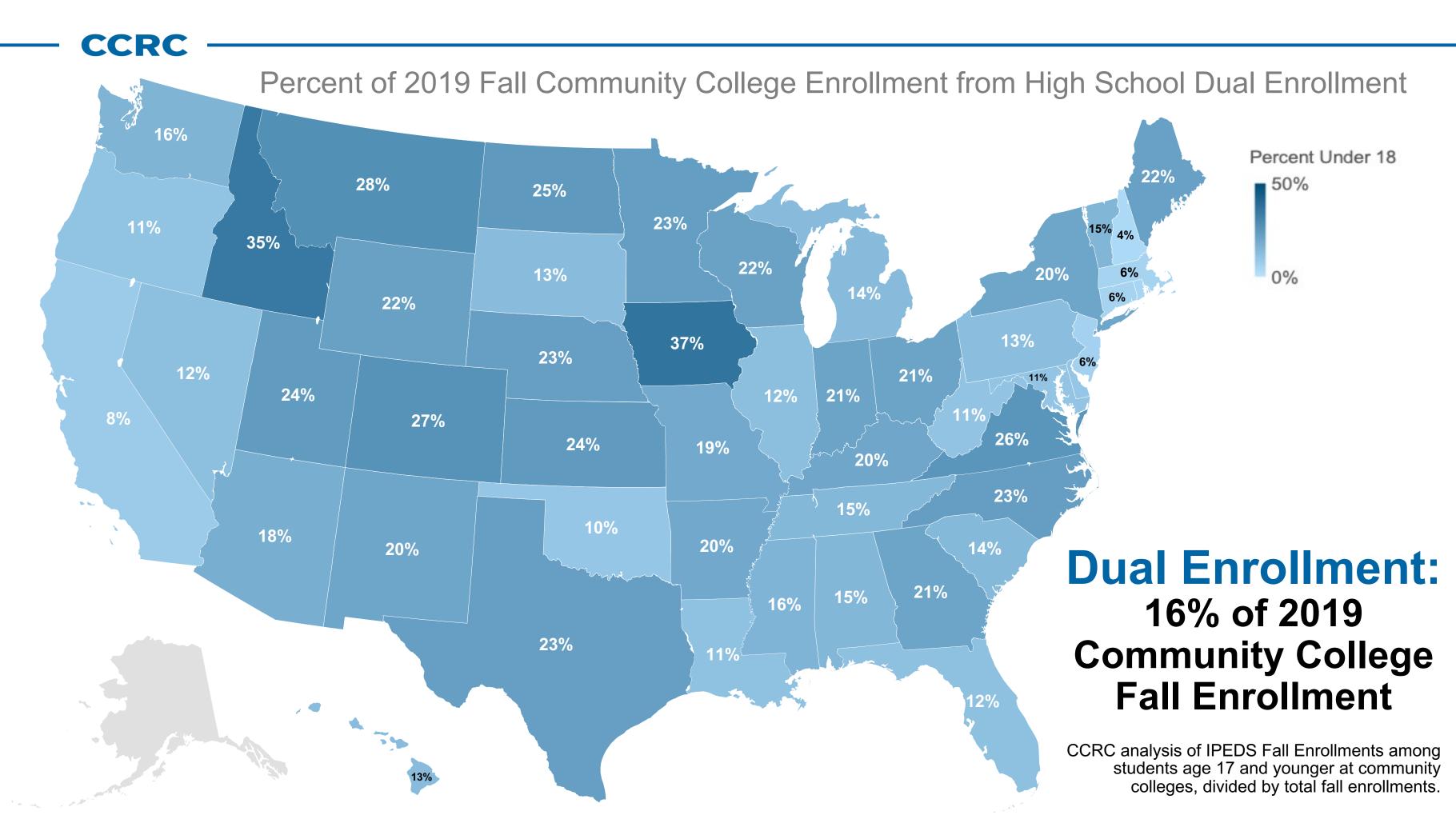
# Wisconsin Dual Enrollment 1999-2019

**IPEDS Fall Enrollments** 

Fall Undergraduate Enrollments among Students Aged 17 or Younger

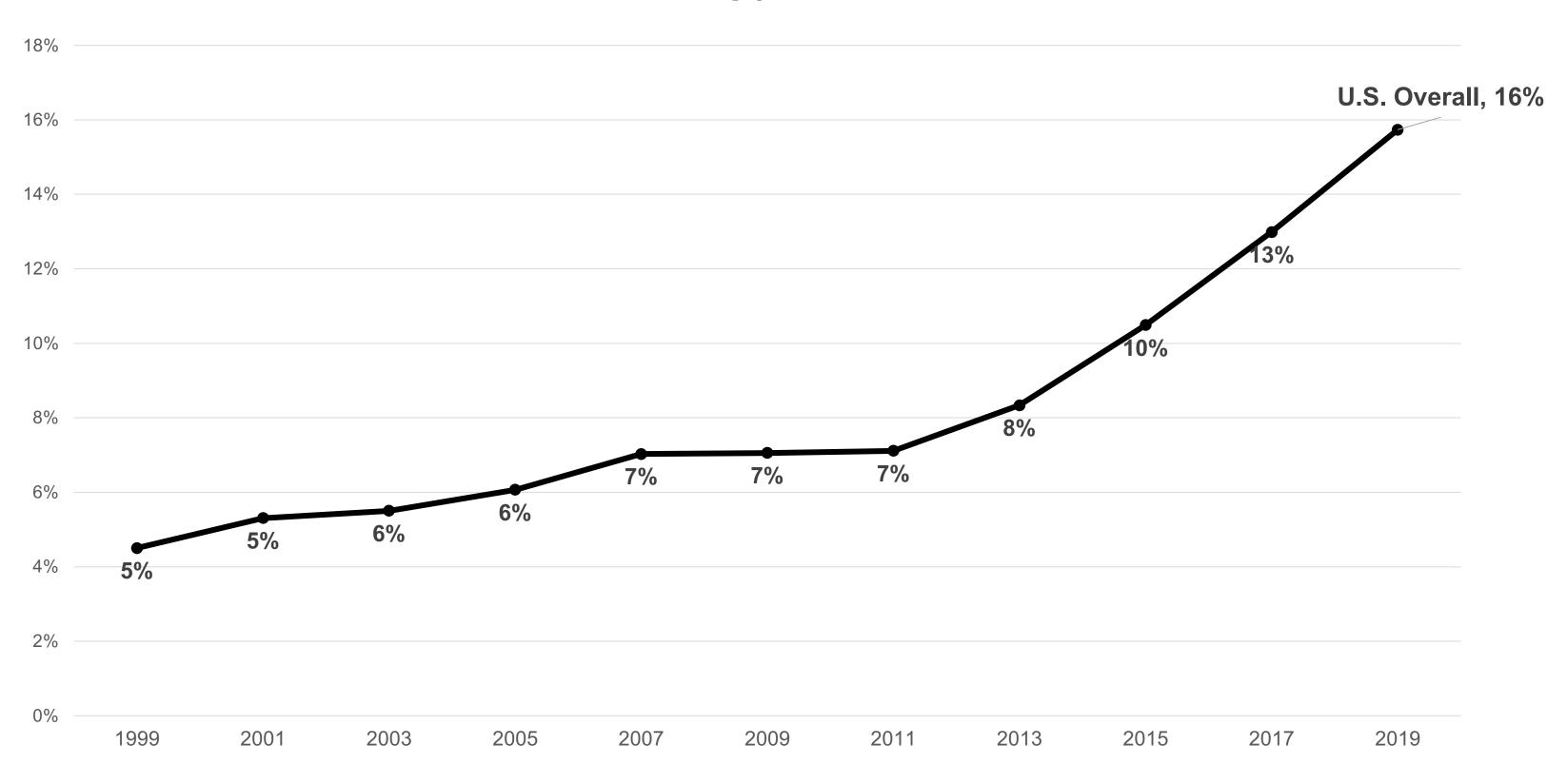


## **Expansion of Dual Enrollment Concentrated at Community Colleges**

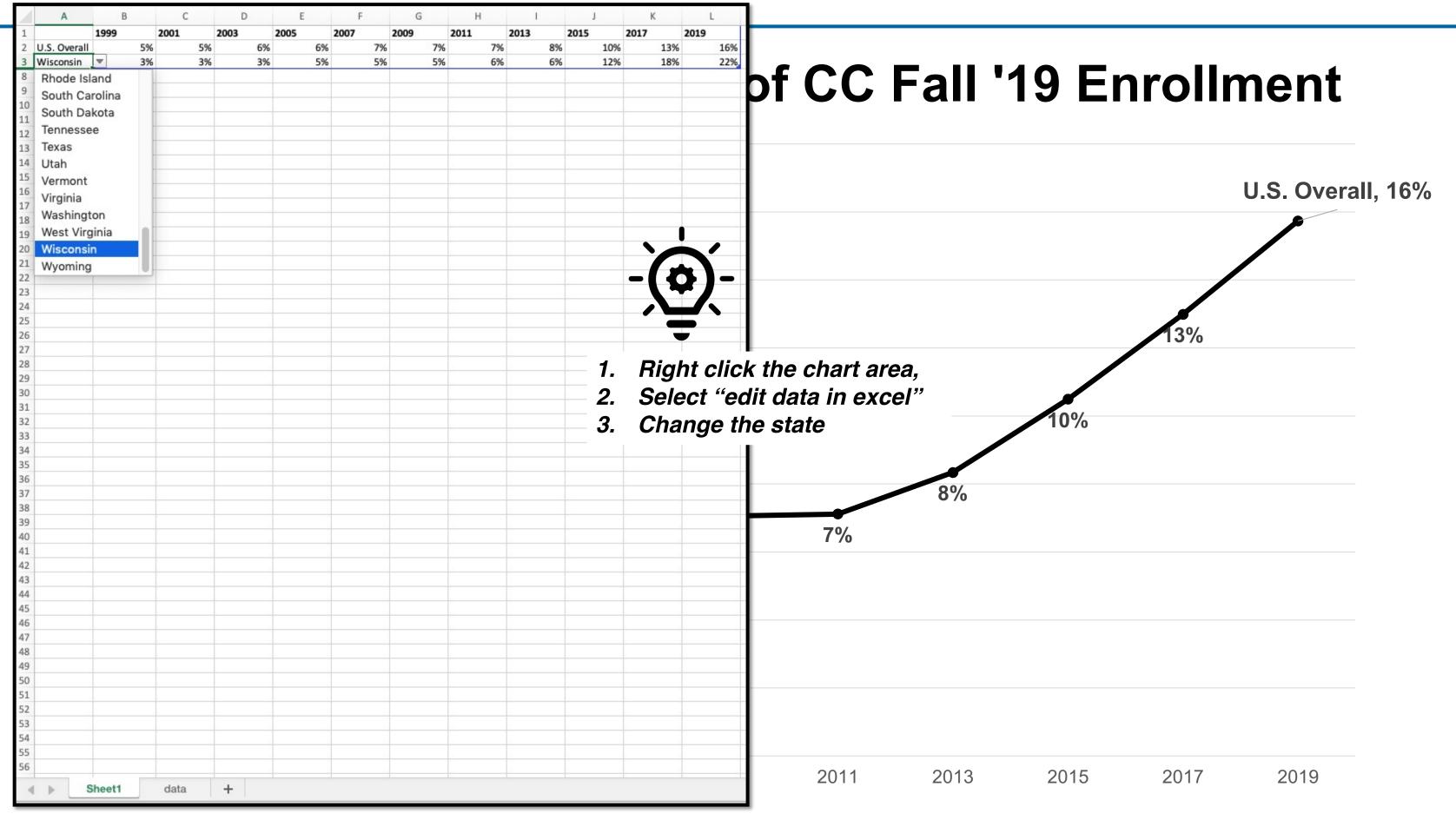




## **Dual Enrollment: 16% of CC Fall '19 Enrollment**

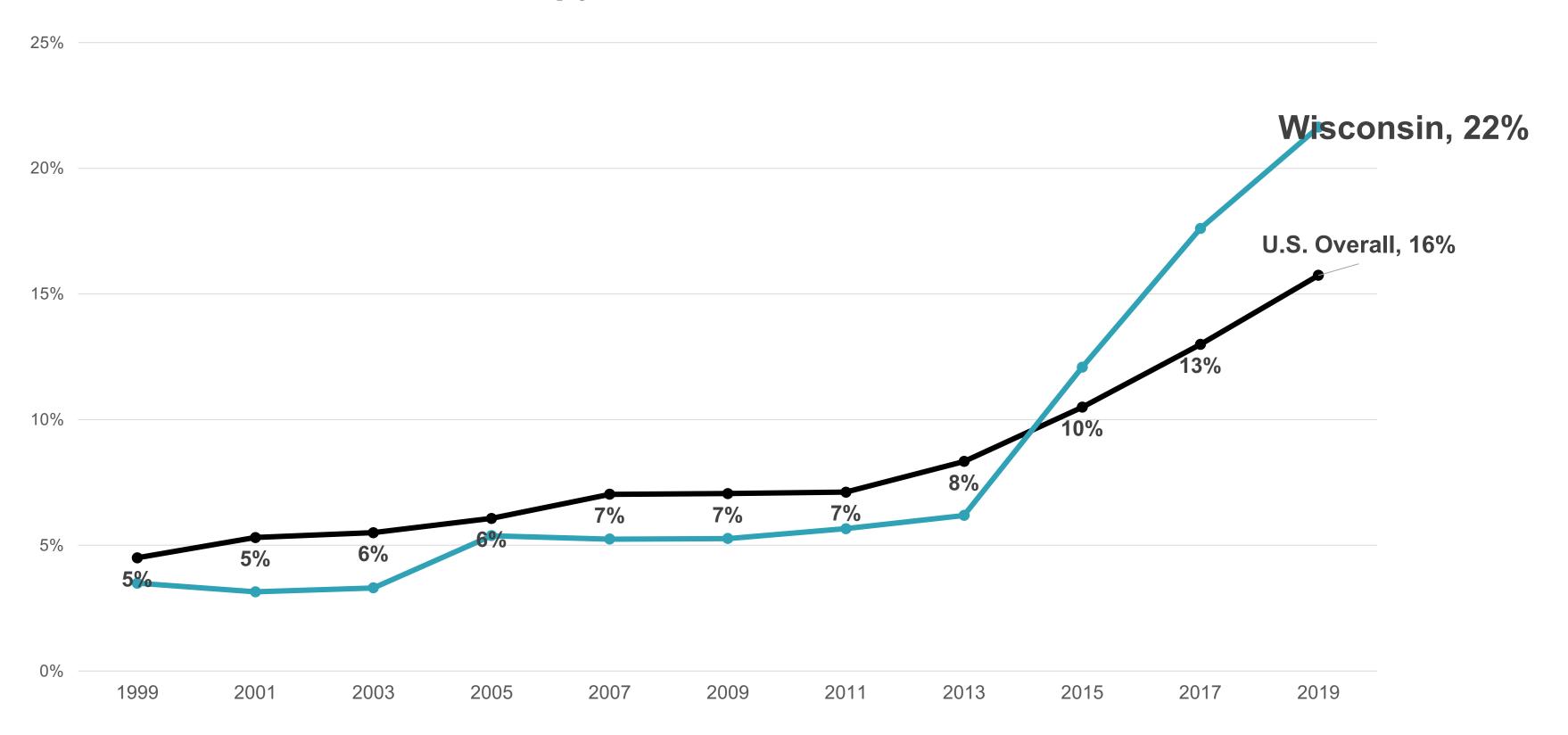


CCRC analysis of IPEDS Fall Enrollments among students age 17 and younger at community colleges, divided by total fall enrollments.



#### CCRC

### Dual Enrollment: 22% of Wisconsin CC Fall '19 Enrollment



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

Given the substantial variation nationally in access to and success in dual enrollment,

What can be learned from high schools and colleges that are more effective in serving students of color through dual enrollment?

### The Dual Enrollment Playbook

A Guide to Equitable
Acceleration for Students









## The Dual **Enrollment** Playbook: A Guide to **Equitable** Acceleration for Students

Five Principles
to Advance Equity
in High-Quality
Dual Enrollment

Principle

Ι

SET A SHARED VISION AND GOALS THAT PRIORITIZE EQUITY

Principle

I

EXPAND EQUITABLE ACCESS **Principle** 

Ш

CONNECT STUDENTS TO ADVISING AND SUPPORTS THAT ENSURE EQUITABLE OUTCOMES

Principle

IV

PROVIDE HIGH-QUALITY
INSTRUCTION THAT
BUILDS STUDENTS'
COMPETENCE
AND CONFIDENCE

Principle

V

ORGANIZE TEAMS
AND DEVELOP
RELATIONSHIPS TO
MAXIMIZE POTENTIAL



#### HIGH SCHOOL DUAL ENROLLMENT DASHBOARD

Programs: All Programs

District/School: Sample School

Comparison: Five Years

#### PARTICIPATION:

442

participants in 2018–19 +16.4% from 2014–15

91.6%

classes taken in 2018–19 +7.5% change from 2014–15

83.5%

of participants in 2018–19 took 2 or more classes Compared to 67.8% across Ohio

1,971

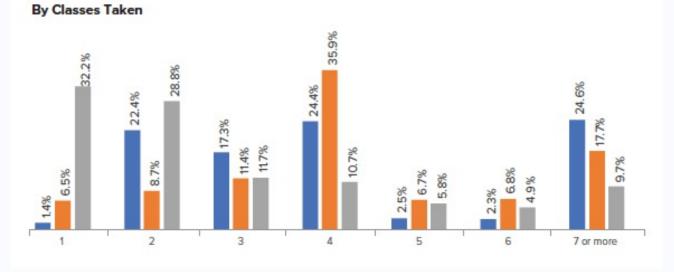
C or better in 2018–19 +2.3% change from 2014–15

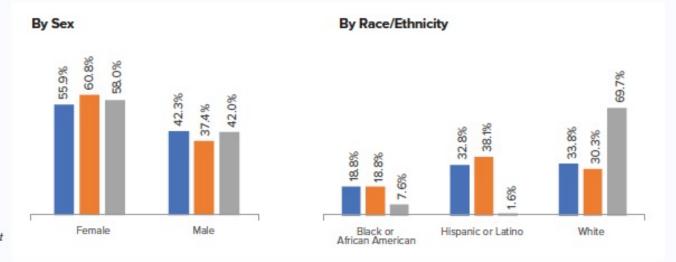
\$990,323

value in LCCC tuition & books in 2018–19

Ohio comparison based on 2017–18 College Credit Plus Annual Report (ohiohighered.org/ccp)







#### **GRADUATING CLASS:**

176

students from the Class of 2019 earned college credit

40.5

credits on average

146

earned 12+ college credits

+66.5% compared to the Class of 2015

115

completed college English

+40.1% compared to the Class of 2015

95

completed college Math

+69.1% compared to the Class of 2015

#### COLLEGE ENROLLMENT:

176

students from the Class of 2019 earned college credit

40.5 credits on average

College enrollment data from LCCC student records and National Student Clearinghouse.

Graduate tracking from LCCC degree records and National Student Clearinghouse. Ohio and National figures from CCRC report "What happens to students who take community college dual enrollment courses in high school?"

(ccrc.tc.columbia.edu/publications)

38.9%

of Class of 2019

\$1,289,684

value in LCCC tuition and books

119

earned 24+ college credits

+102.5% compared to the Class of 2015 7,442

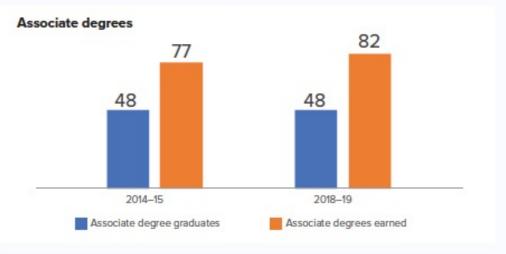
college credits earned by the Class of 2019

**\$3,154,570**value in Ohio 4-year tuition

97

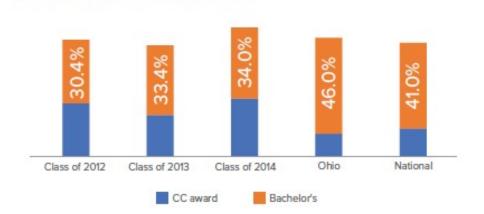
earned 36+ college credits

+89.5% compared to the Class of 2015



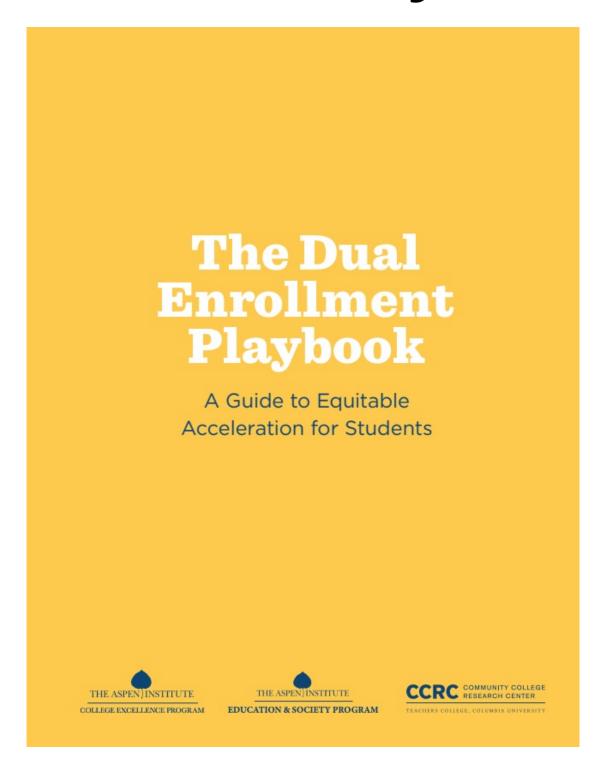
#### Five years later:

Completion within five years from HS graduation for dual enrollment graduates who continued on to college





## Playbook Resources





Highlights from the Dual Enrollment Playbook: A Guide to Equitable Acceleration for Students



A Guide to Getting Started for Institutional Leaders



Tool for Evaluating Equitable Practices at Community Colleges



Tool for Evaluating
Equitable Practices at
High Schools

https://highered.aspeninstitute.org/dual-enrollment/



## Thank you!



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212.678.3091