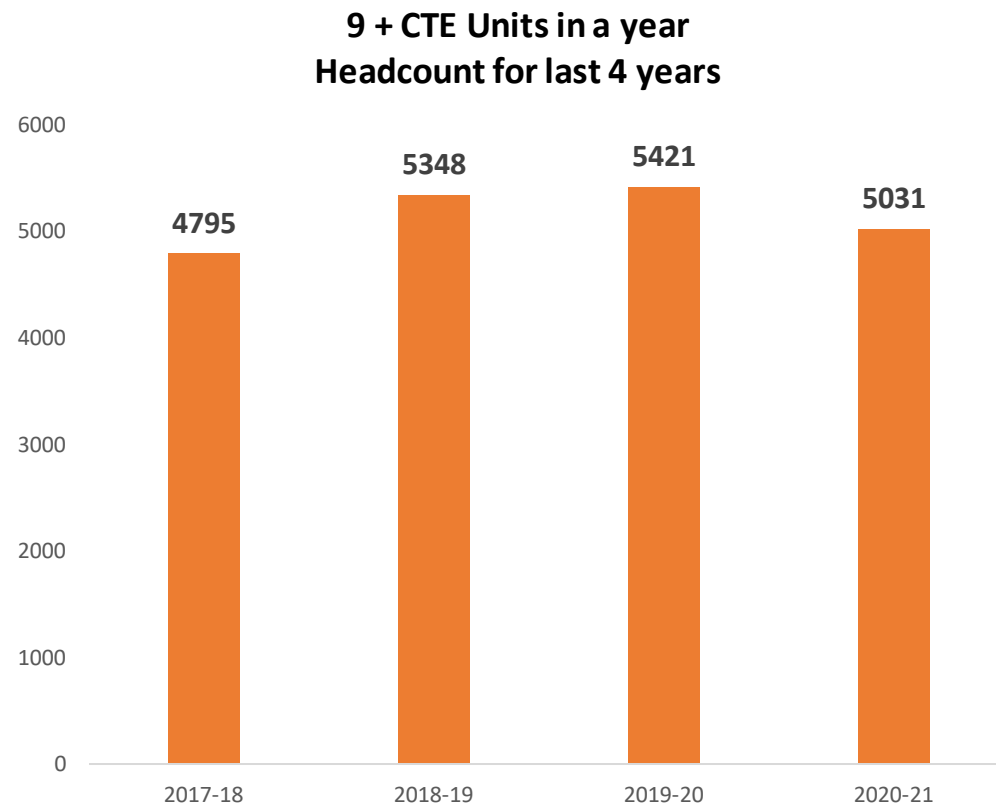

9 + CTE Units Analysis and Exploration

KCCD INSTITUTIONAL RESEARCH AND REPORTING

DISTRICT OFFICE

KELLY LEVIG AND BOB NGO, PHD

Apportionment Report



- Four-year average: 5148
- Even though the 9+ CTE metric is a lower rate, we see that it comprised over 1/5 of total Student Success Allocation (22%)
- \$3.98M of total \$12.9M Student Success Allocation

Nine or More CTE Units

Headcount of students by district who successfully completed

- **Nine or more CTE units** with grades **equivalent to C or better** in the reporting year
- For this analysis, we are measuring CTE units **earned at a particular college.**
 - **No restrictions. This includes Dual Enrollment and Inmate Education.**



CTE units defined

Course SAM Code is A, B, or C:

- A – Apprenticeship
- B – Advanced Occupational
- C – Clearly Occupational

OR

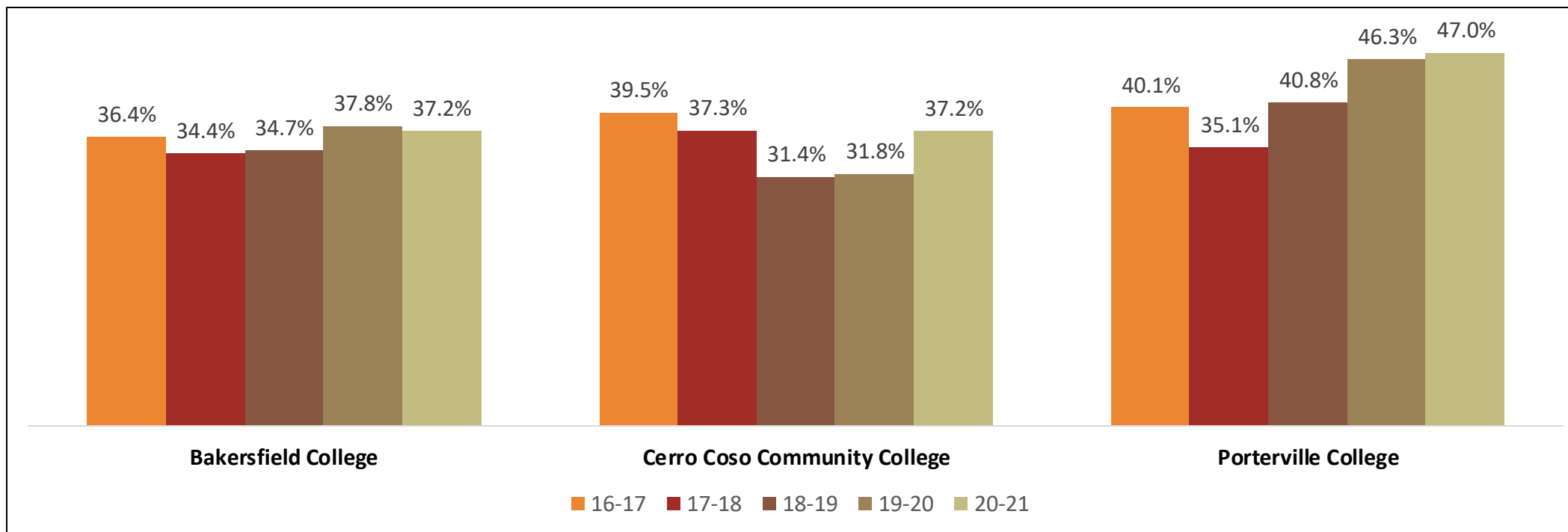
Course TOP Code is identified as vocational/CTE

Research Questions

- How many students are meeting the goal?
- How many students were “close” to goal?
- What interventions or strategies can be designed to improve outcomes for “close” students?

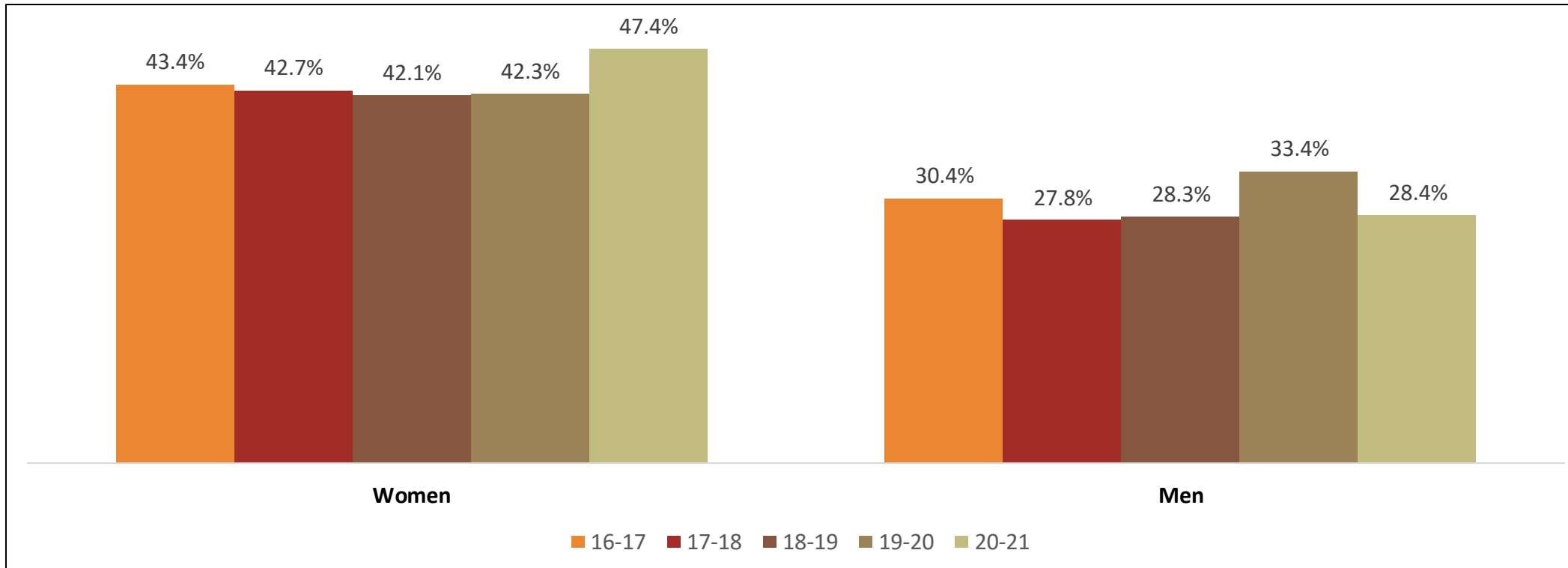
Successfully met 9+ CTE units in a year

What percentage of those students met their unit requirement in the first half of the year:
BY COLLEGE



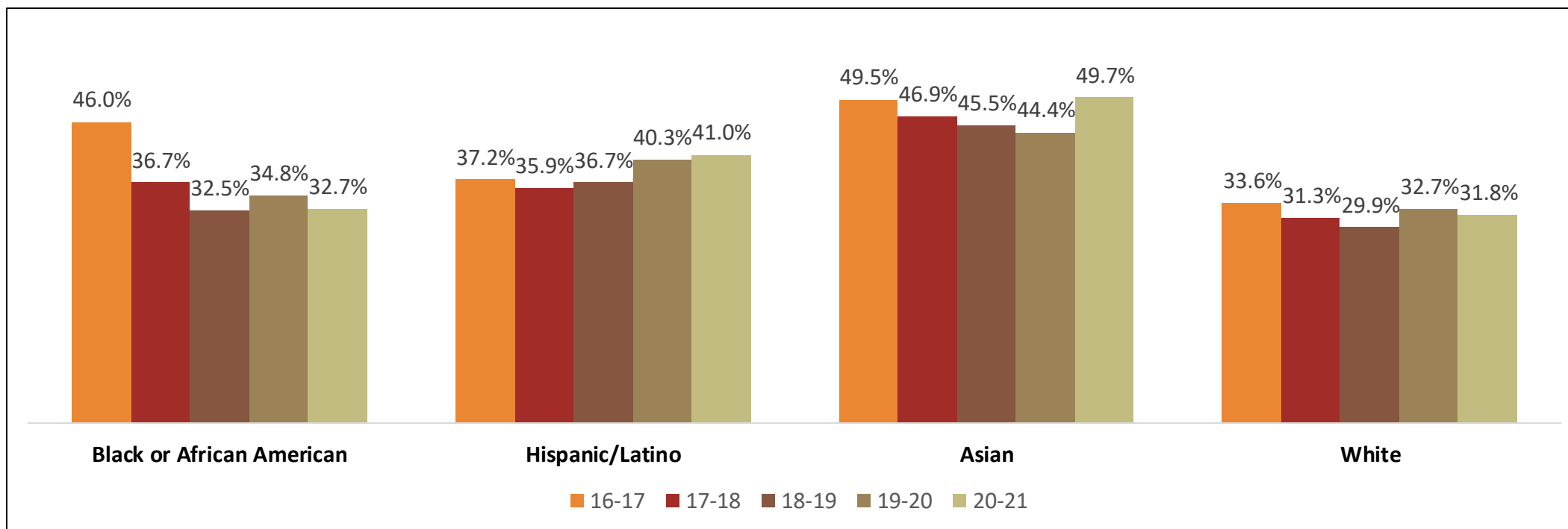
Successfully met 9+ CTE units in a year

What percentage of those students met their unit requirement in the first half of the year:
BY GENDER



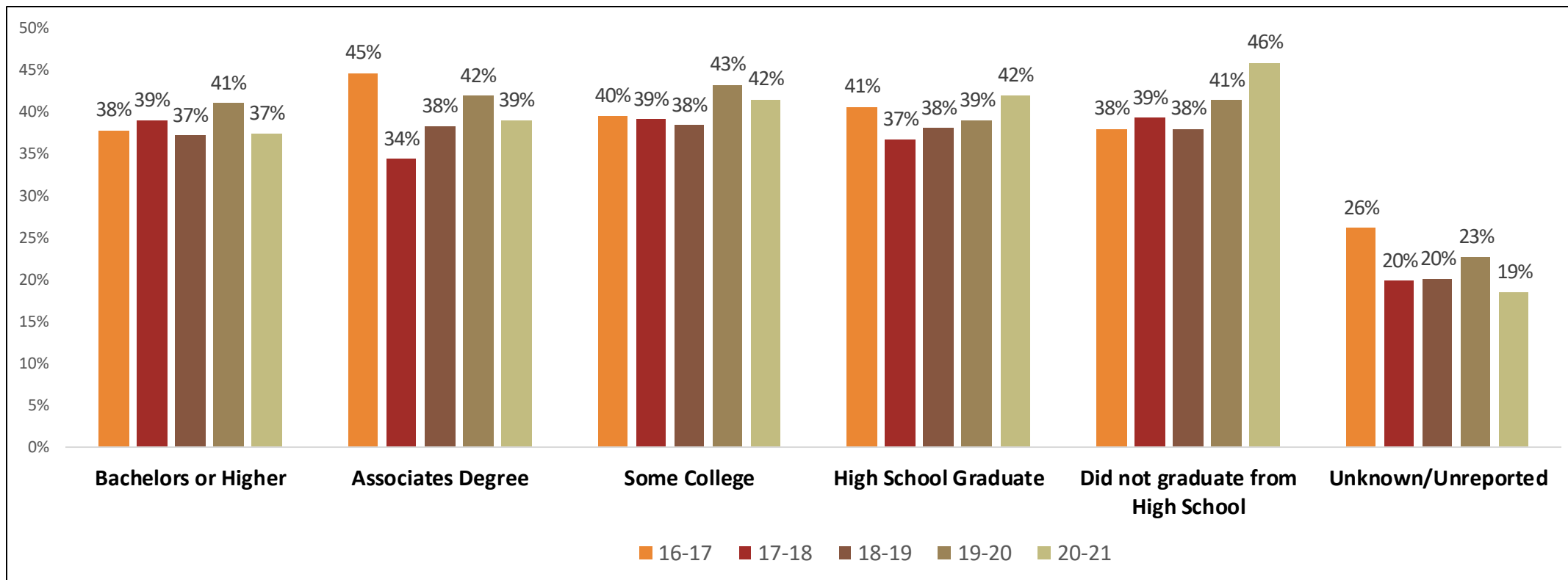
Successfully met 9+ CTE units in a year

What percentage of those students met their unit requirement in the first half of the year:
BY ETHNICITY



Successfully met 9+ CTE units in a year

What percentage of those students met their unit requirement in the first half of the year:
BY PARENTS' EDUCATION



Successfully met 9+ CTE units in first half of the year: By 2-digit TOP Code

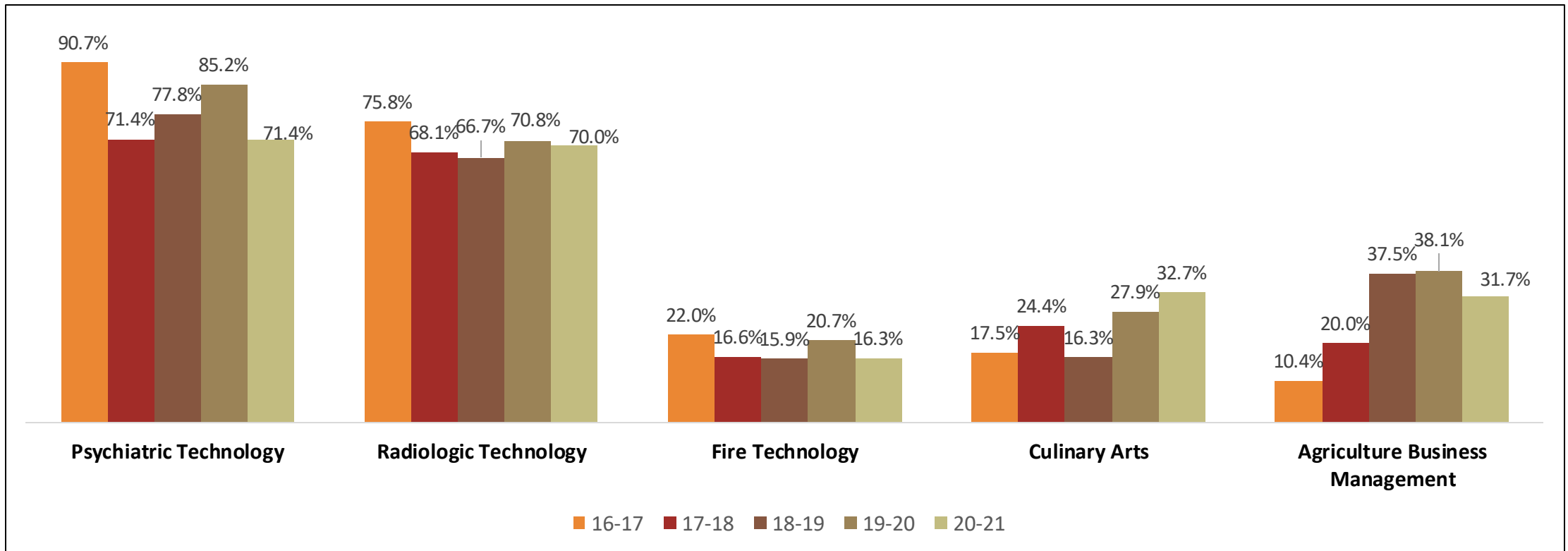
2-Digit TOP Code and Title	2021
13 - Family and Consumer Sciences	44.3%
01 - Agriculture and Natural Resources	42.5%
19 - Physical Sciences	41.5%
07 - Information Technology	41.0%
04 - Biological Sciences	40.9%
05 - Business Management	38.1%
09 - Engineering and Industrial Technologies	38.1%
08 - Education	37.8%

- These are the 2-digit TOP Codes with the highest percentage of students who completed 9 + CTE units in the first half of the year
- This list includes those with at least 100 students represented.

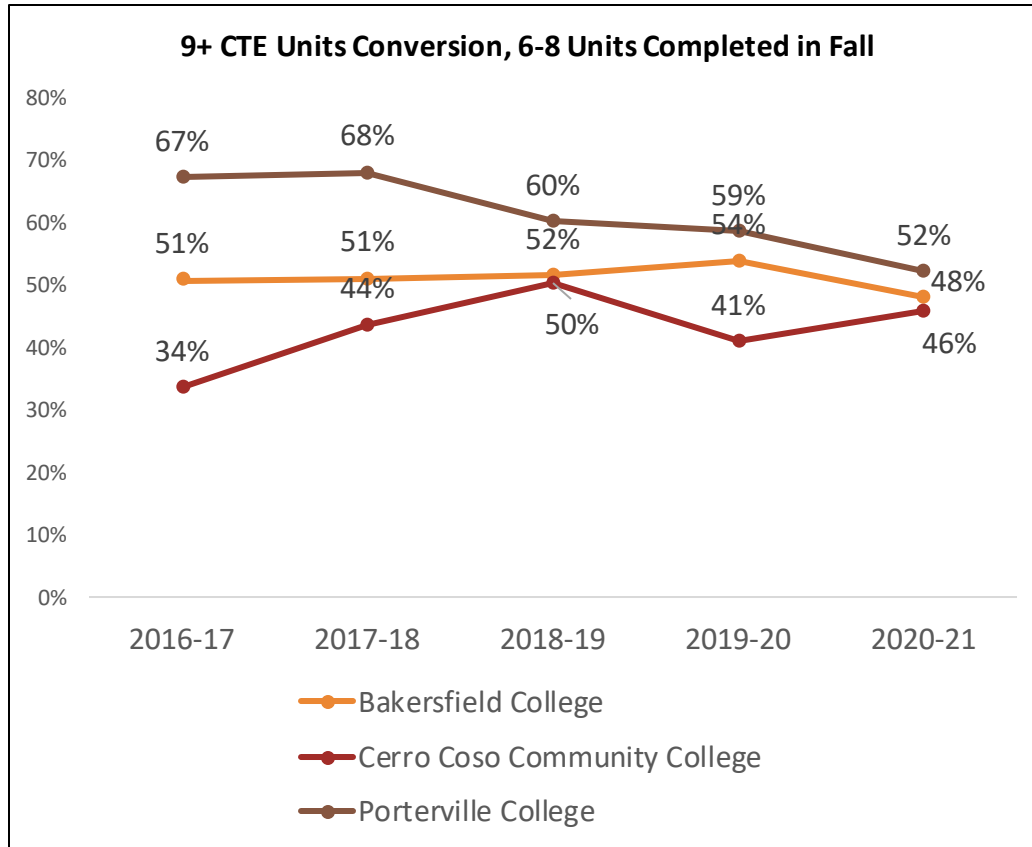
Successfully met 9+ CTE units in a year: By Program – Multiple Programs



What percentage of those students met their unit requirement in the first half of the year:
BY MULTIPLE PROGRAMS

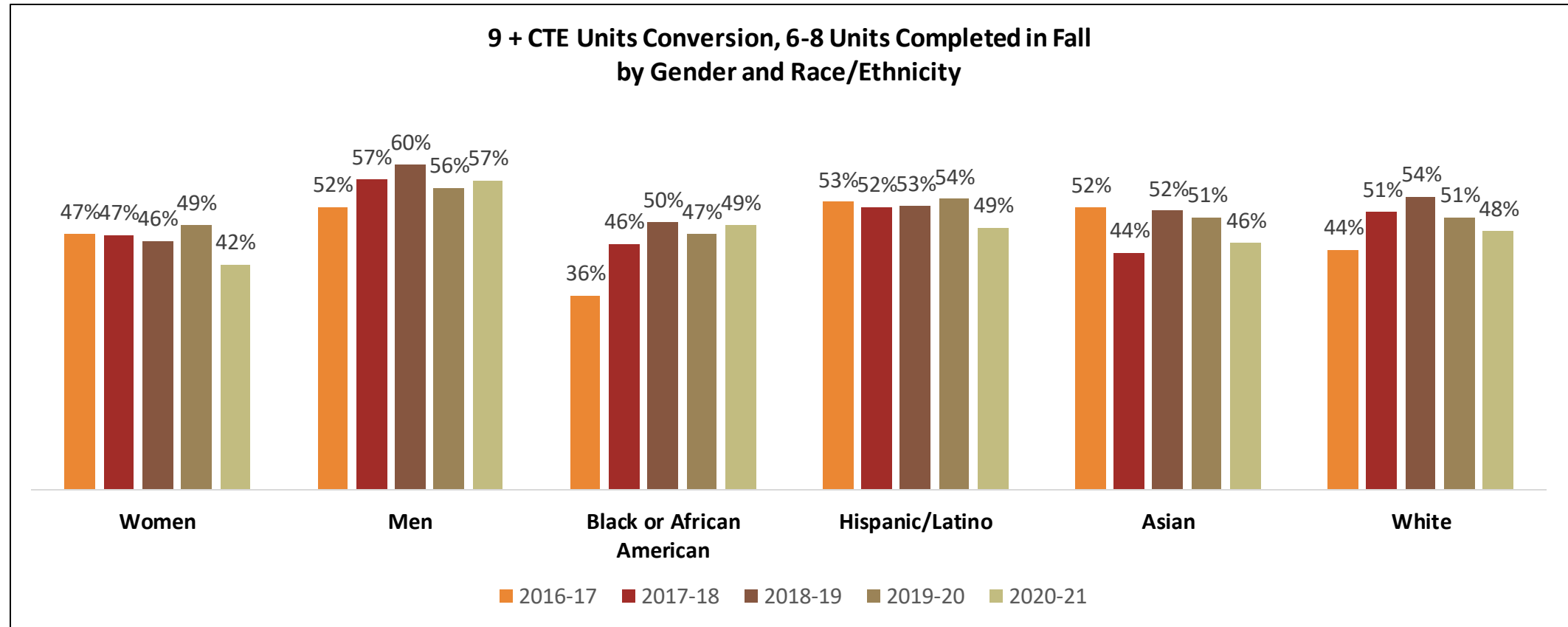


Did students who came close to completing 9+ CTE units in the first half get to the 9+ CTE unit threshold?

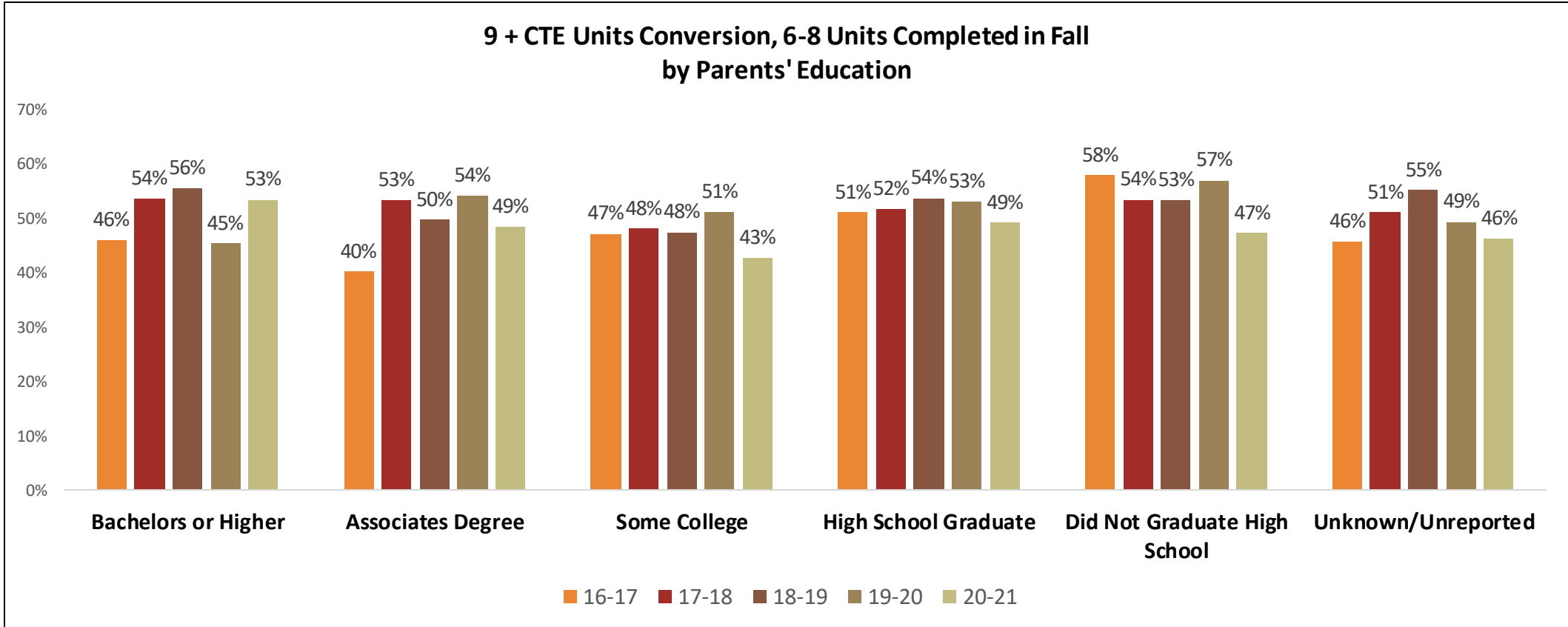


College		16-17	17-18	18-19	19-20	20-21
BC	n	1693	1664	1673	1881	1824
	count	862	851	862	1015	879
CC	n	422	464	521	497	494
	count	142	203	262	204	226
PC	n	241	276	309	304	205
	count	162	188	186	178	107

Did students who came close to completing 9+ CTE units in the first get to the 9+ CTE unit threshold? By Gender and Race/Ethnicity

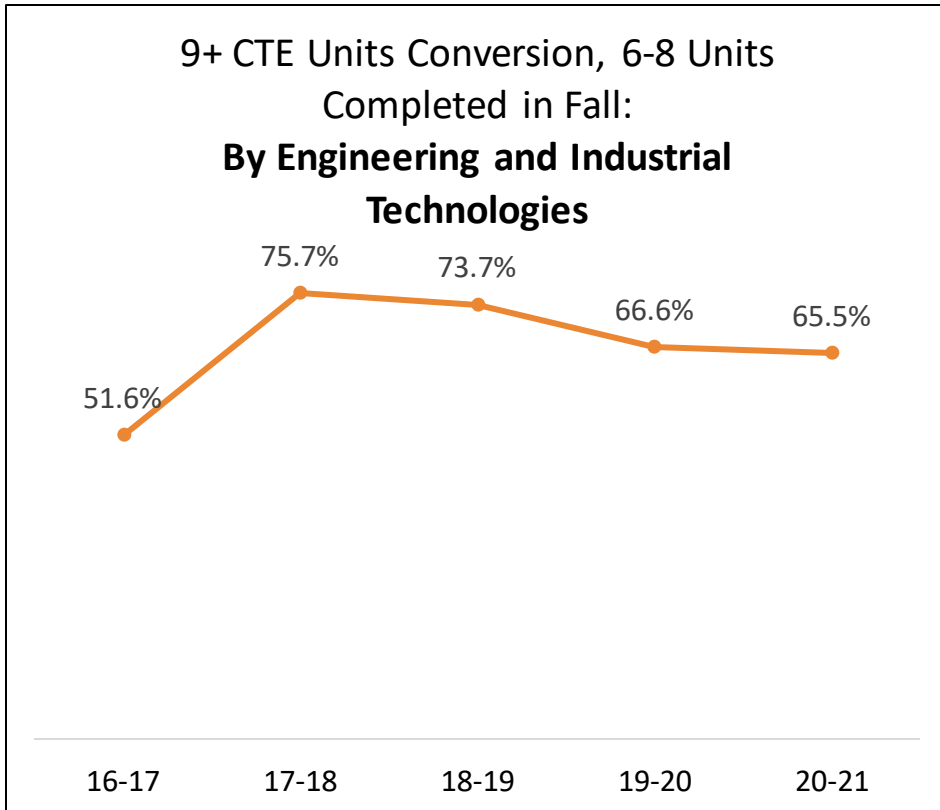


Did students who came close to completing 9+ CTE units in the first half get to the 9+ CTE unit threshold? By Parents' Education



Did students who came close to completing 9+ CTE units in first half get to the 9+ CTE unit threshold?

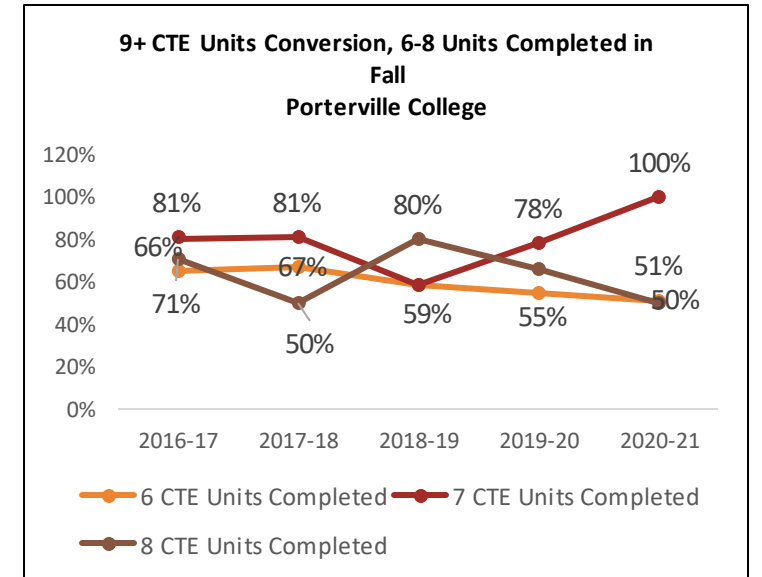
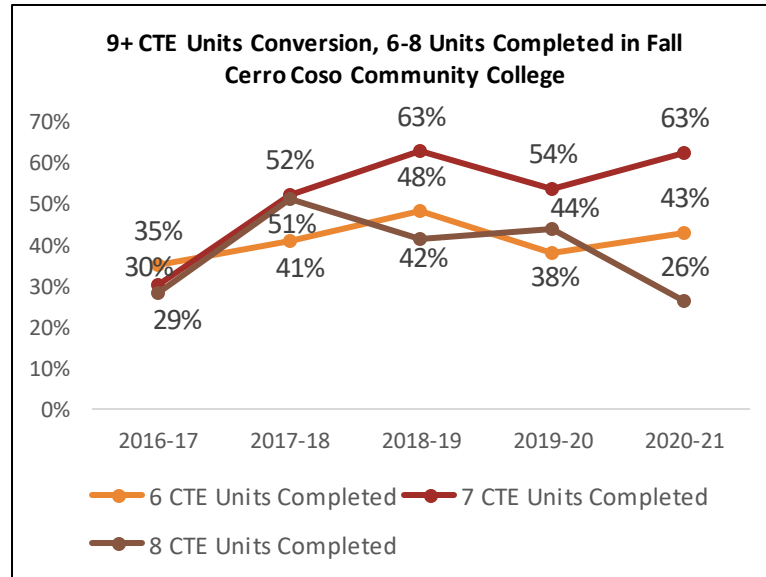
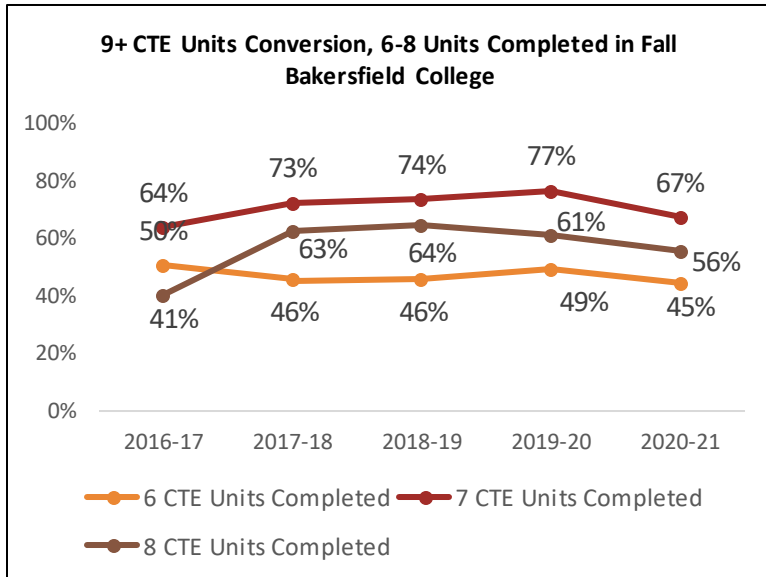
By TOP Code – Engineering and Industrial Technologies



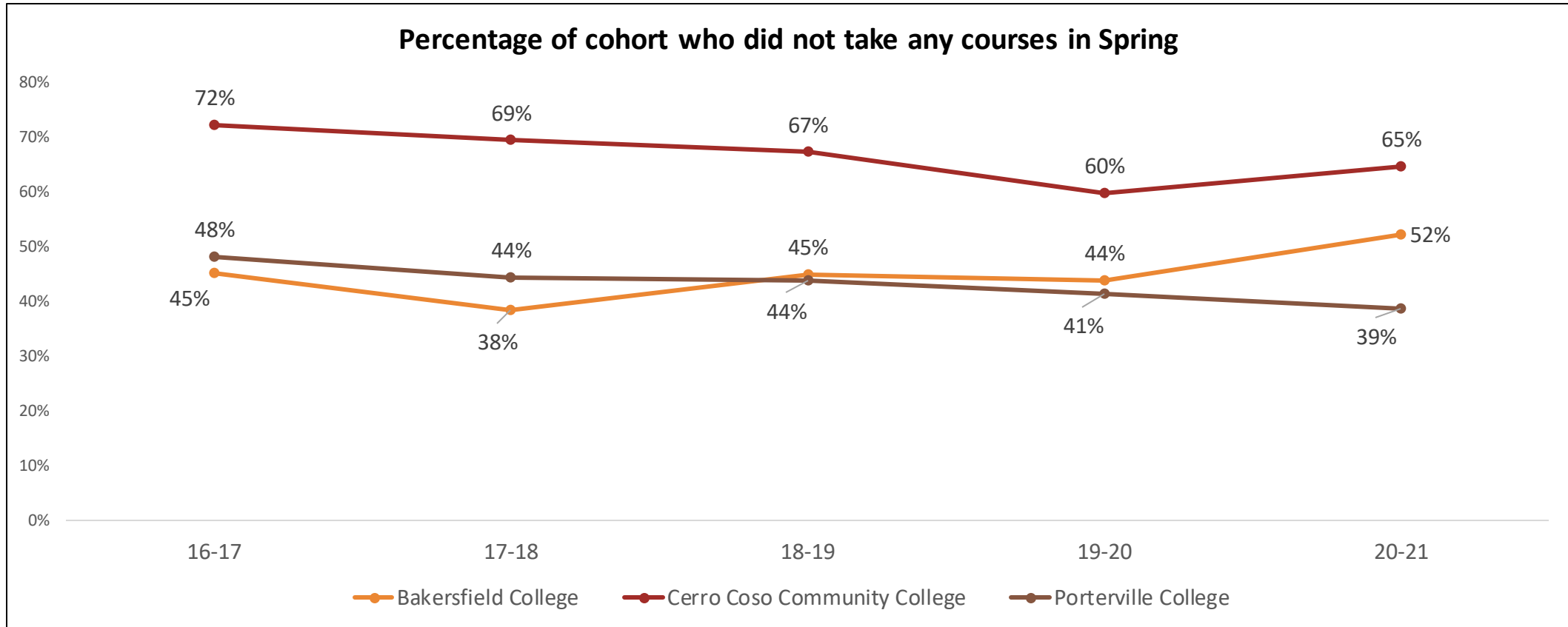
Engineering & Industrial Technologies (09 2-digit TOP Code)	16-17	17-18	18-19	19-20	20-21
Count	147	234	247	253	215
n	285	309	335	380	328
%	51.6%	75.7%	73.7%	66.5%	65.5%

Example of what users can search and filter on a dashboard we are building.

“Close” Students Conversion Rates, by Units Completed



“Close” Students Not Enrolled in Spring Semester



Course-taking Pattern of “Close” Students in Spring Semester



College	Student with Spring Courses	Year									
		16-17	17-18	18-19	19-20	20-21	2016-17	2017-18	2018-19	2019-20	2020-21
Bakersfield College	0 Courses	376	312	364	380	492	45%	38%	45%	44%	52%
	1 Course	91	134	78	82	96	11%	16%	10%	9%	10%
	2 Courses	99	95	91	93	99	12%	12%	11%	11%	10%
	3 Courses	107	88	77	99	89	13%	11%	9%	11%	9%
	4 or More Courses	158	184	201	212	169	19%	23%	25%	24%	18%
Cerro Coso Community Col	0 Courses	202	181	174	175	173	72%	69%	67%	60%	65%
	1 Course	19	21	21	37	20	7%	8%	8%	13%	7%
	2 Courses	24	14	23	28	27	9%	5%	9%	10%	10%
	3 Courses	13	16	14	24	23	5%	6%	5%	8%	9%
	4 or More Courses	22	29	27	29	25	8%	11%	10%	10%	9%
Porterville College	0 Courses	38	39	54	52	38	48%	44%	44%	41%	39%
	1 Course	7	13	14	10	10	9%	15%	11%	8%	10%
	2 Courses	9	8	16	7	10	11%	9%	13%	6%	10%
	3 Courses	10	9	14	14	19	13%	10%	11%	11%	19%
	4 or More Courses	15	19	25	43	21	19%	22%	20%	34%	21%
Grand Total		1,190	1,162	1,193	1,285	1,311	100%	100%	100%	100%	100%

Possible Strategies for Growth

- “One more class”
- Course Development
- Scheduling Strategies
- Curriculum Development
- Potential for growth in completions

Questions?





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