
Career & Technical Education Outcomes Survey (CTEOS) Results

KCCD INSTITUTIONAL RESEARCH AND REPORTING

DISTRICT OFFICE

KELLY LEVIG

TUESDAY, JULY 13, 2021

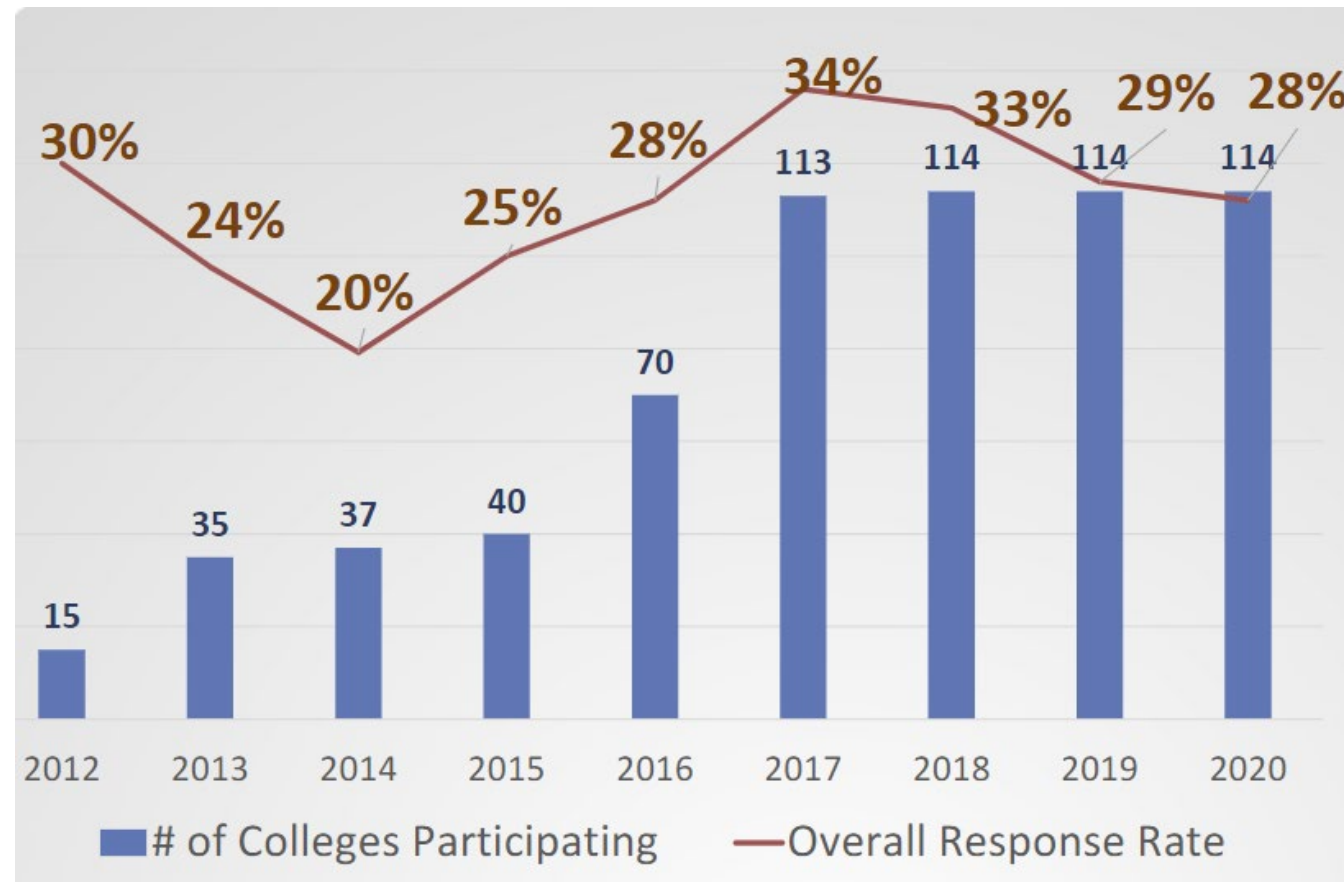


What is CTEOS?

- Annual statewide study to assess employment outcomes for Career and Technical Education (CTE) students
- Administered approximately 1.5 years after students' attendance ends
- Approximately 25 questions

CTEOS History and Community College Participation

- RP Group partnered with the Bay Area College Consortium to develop **universally available survey methodology**
- **Goal: to provide information on employment outcomes for CTE students**
- Pilot study began in 2011-12 with 12 colleges
- Grown to include 114 California Community Colleges
- Office of Institutional Research at Santa Rosa Junior College assumed full responsibility of survey administration in 2013-14





Methodology

Respondents met one of the following criteria in academic year prior to survey administration:

- **Earned a certificate of 6 or more units**
- **Earned a vocational degree or**
- **Earned 9+ CTE units**

And

- **Not enrolled in the California Community College system in the Fall of Survey Administration Year**







Survey Administration

Survey Administered in 2020 by email, text message (SMS), and telephone. The survey addressed the following:

- Employment outcomes
 - Employment status, type of employment, wages, and job search length
- CTE coursework positively affected their earning potential
- Student perceptions of their CTE program
- Satisfaction Rates

Kern Community College District – 2020 Overview



	KCCD	Statewide	Fresno City	Foothill College	Orange Coast
Response Rate: 	27%	28%	27%	26%	37%
Employed: 	76%	75%	80%	83%	69%
Similar Field of Study: 	73%	71%	68%	88%	74%
Overall Hourly Wage Change: 	\$5.50	\$8.97	\$6.00	\$17.50	\$8.99



Comparison Demographics

	2017		2018		2019		2020	
	Percent of Group		Percent of Group		Percent of Group		Percent of Group	
	Surveyed	Responded	Surveyed	Responded	Surveyed	Responded	Surveyed	Responded
Women	57.5%	61.4%	59.0%	58.6%	57.3%	59.6%	54.6%	57.7%
Men	42.1%	38.4%	40.6%	41.1%	41.7%	39.9%	44.7%	42.2%
Black or African American	2.9%	2.9%	3.4%	3.1%	3.4%	3.9%	3.8%	3.0%
Hispanic/Latino	56.2%	57.4%	58.1%	56.2%	58.3%	59.6%	55.9%	54.9%
Asian	4.1%	4.4%	4.6%	3.9%	4.3%	4.0%	4.7%	4.4%
White	31.9%	30.4%	28.6%	32.4%	28.2%	26.6%	29.9%	32.3%

Program of Study

Top 3 respondent Programs
of Study (n = 843)

- Business: 17.3%
- Child Development/Early
Childhood: 17.1%
- Nursing: 10.9%



Response Rate Trends

KCCCD

	2017	2018	2019	2020
Respondents	1,097	769	646	946
Surveyed	2,943	3,073	3,229	3,466
Response Rate	37.3%	25.0%	20.0%	27.3%

BY COLLEGE



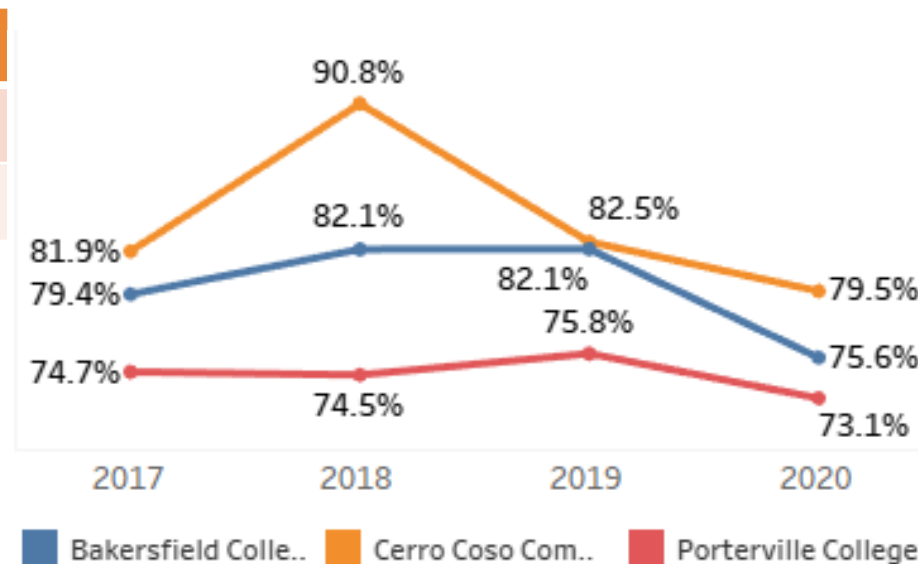
Employment Rate

KCCCD

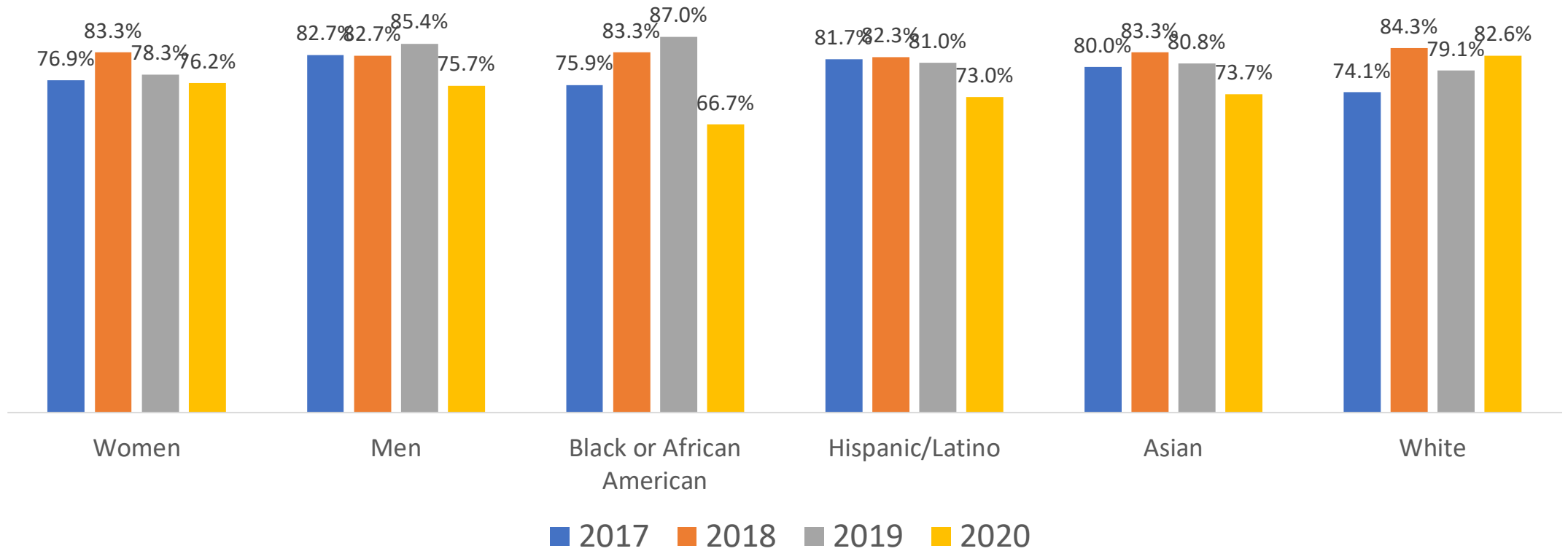
	2017	2018	2019	2020
Employed	79.2%	83.1%	81.2%	76.0%
Not Employed	20.8%	16.9%	18.8%	24.0%

For those students who responded to the Employment Question.

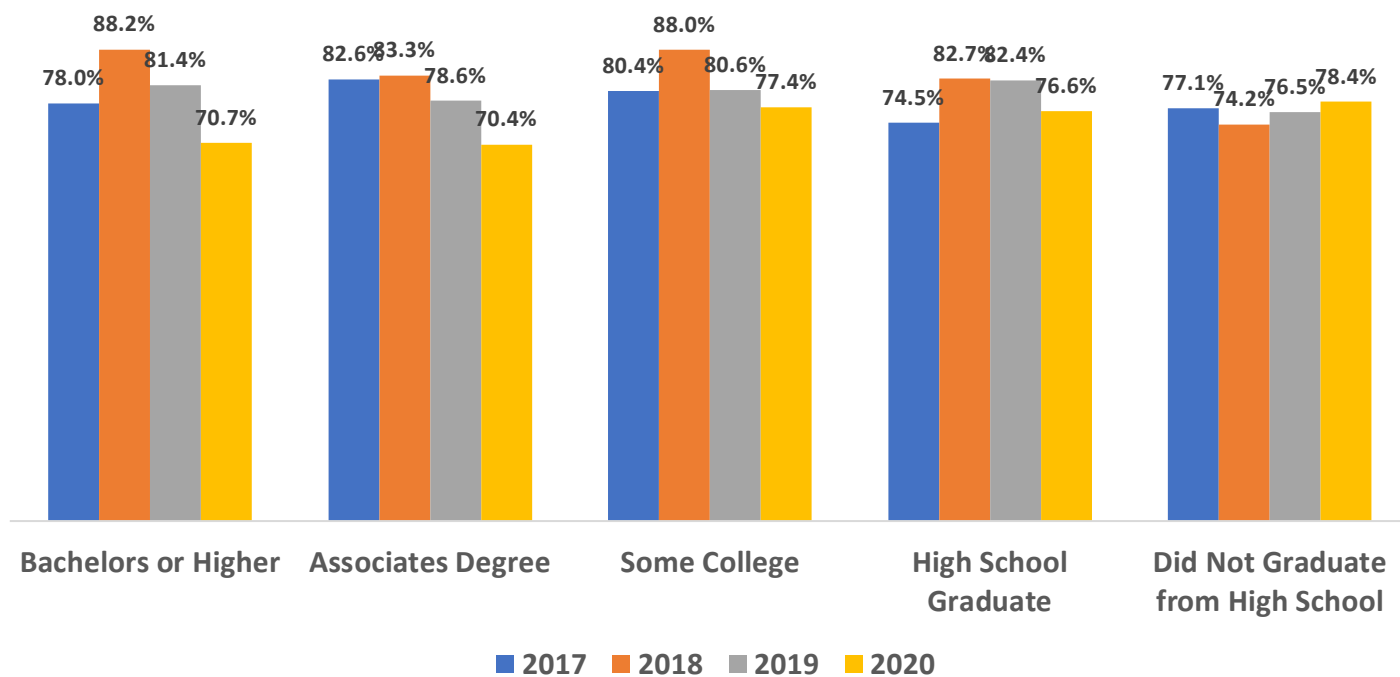
BY COLLEGE



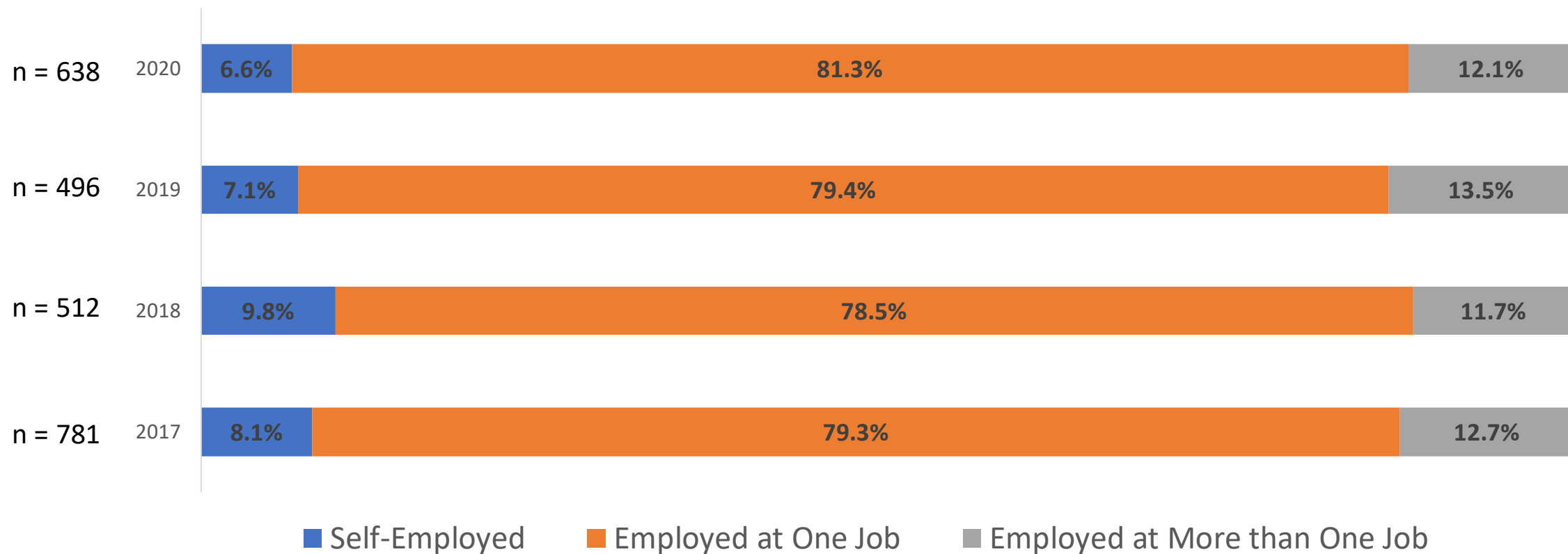
Employment Rates for Gender and Ethnicity



Employment Rate for Parents' Education



Employment Type



Employment Type

Number of Hours Per Week

- Survey Year 2020 (n = 638)
 - Full-Time (40+ hours per week): 74.1%
 - Over 20 hours per week: 15.2%
 - Part-Time (<20 hours per week): 8.5%
 - Unknown/Unreported: 2.2%

Job Search Length

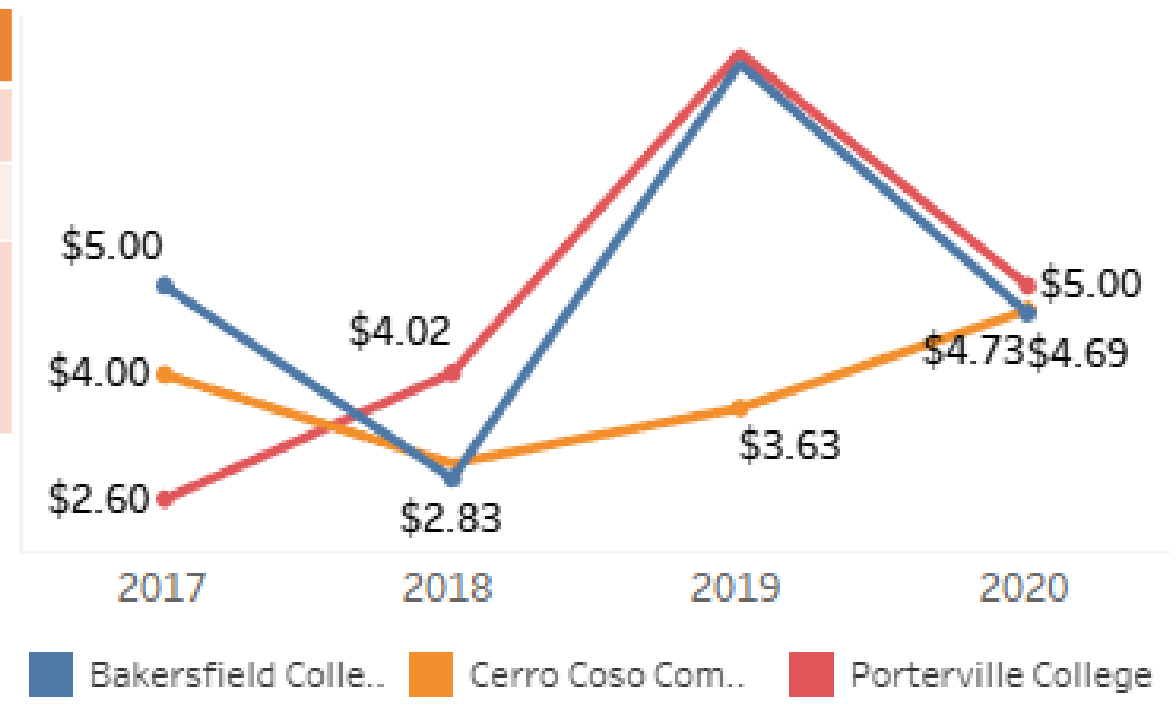
- Of employed respondents and answered the Job Search Length question (n=204):
 - Within 3 months: **78.4%**
 - Within 6 months: **95.1%**

Wages

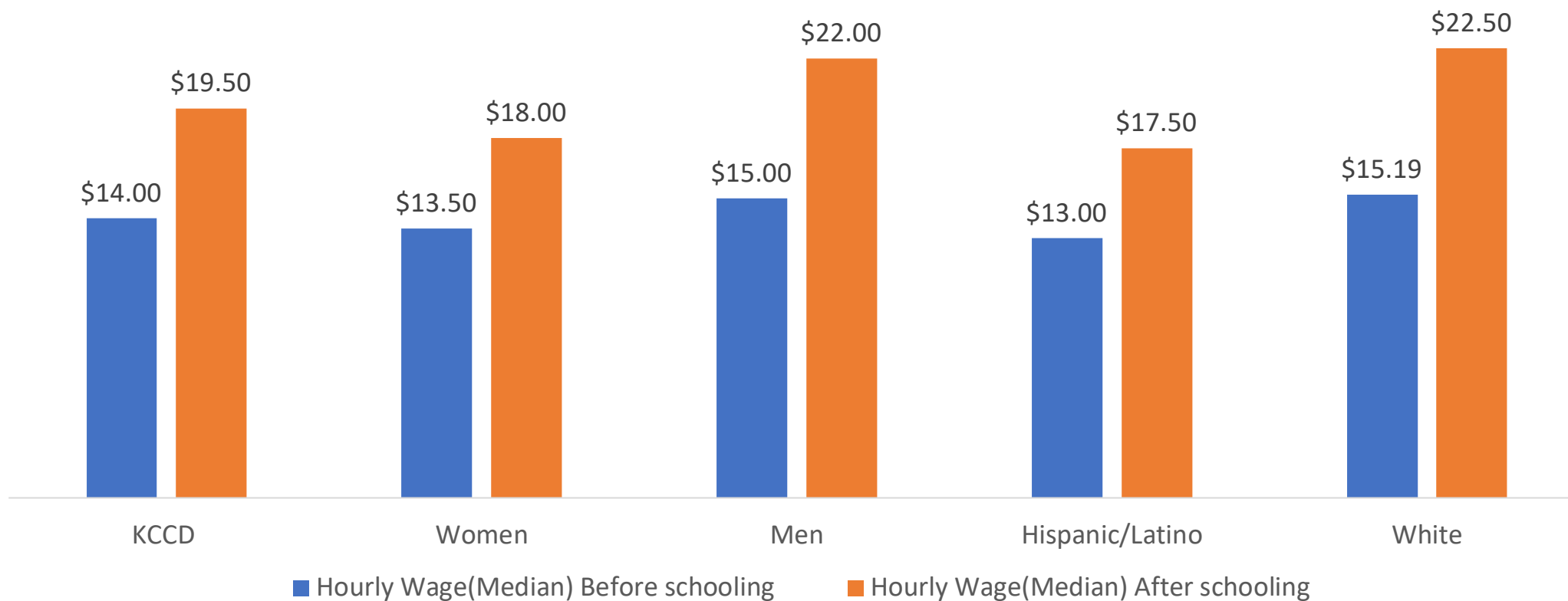
KCCD

	2017	2018	2019	2020
Pre CTE-Wage	\$12.82	\$14.50	\$13.00	\$14.00
Post CTE Wage	\$17.00	\$18.00	\$18.81	\$19.50
Median Hourly Wage Difference	\$4.19	\$3.50	\$5.81	\$5.50

BY COLLEGE



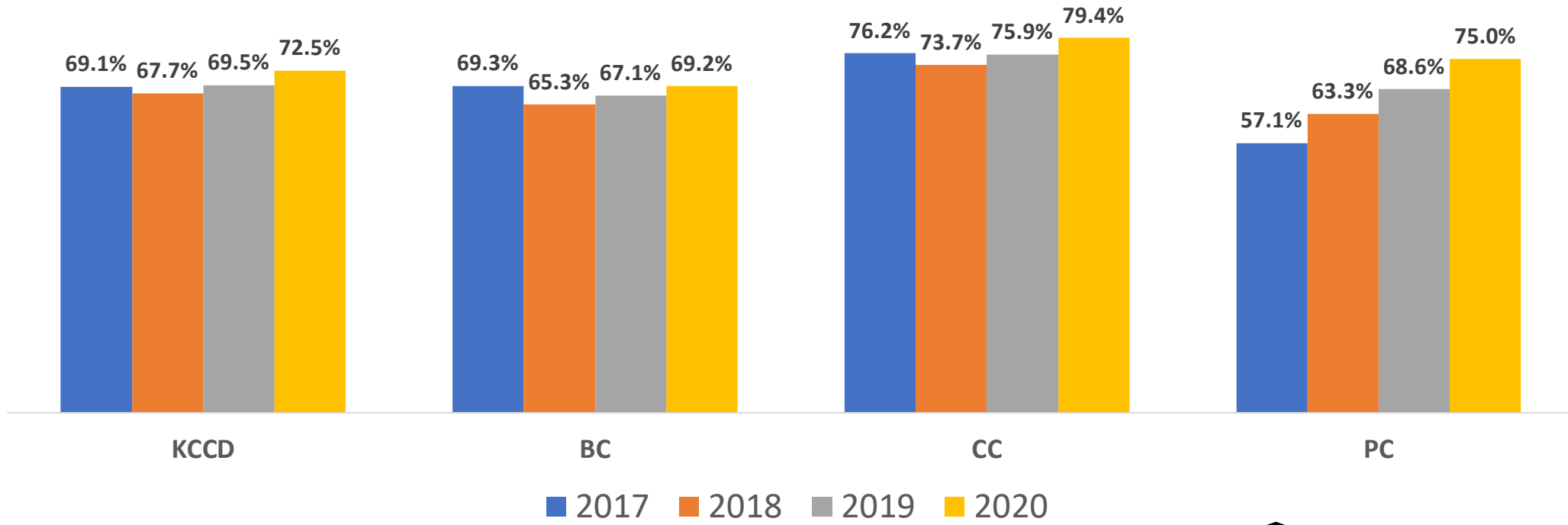
Wages by Gender and Ethnicity



Job Similarity — how closely related to your field of study is your current job?



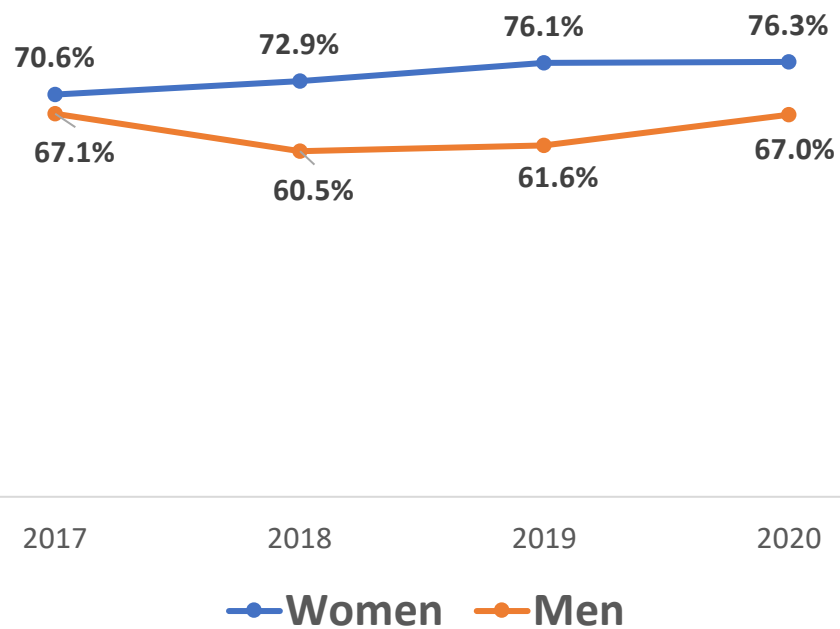
Job Closely Related or Related to Program of Study



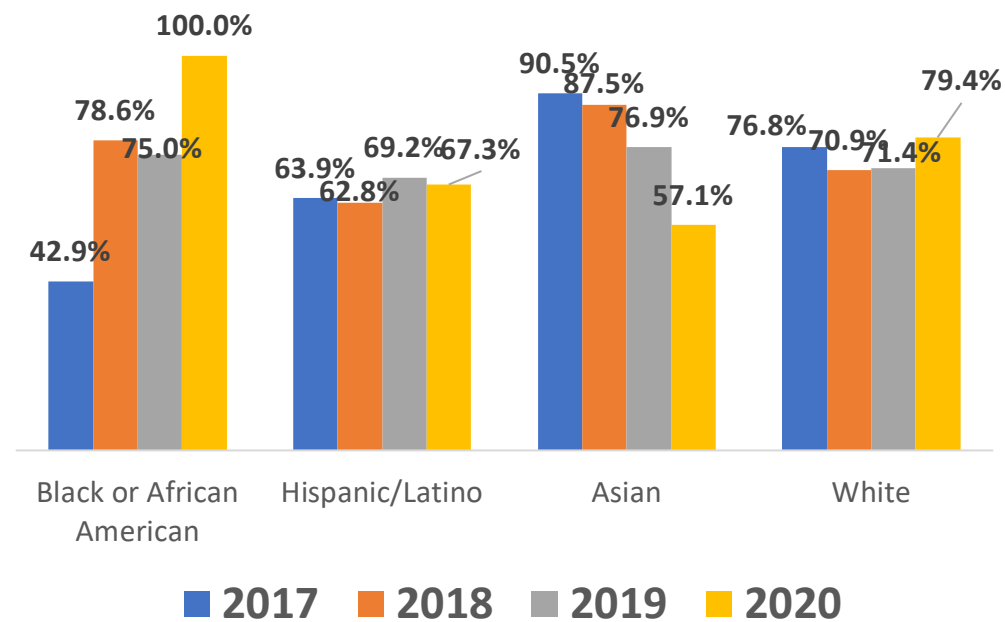
 Vision for Success Goal

Job Similarity

BY GENDER



BY RACE AND ETHNICITY

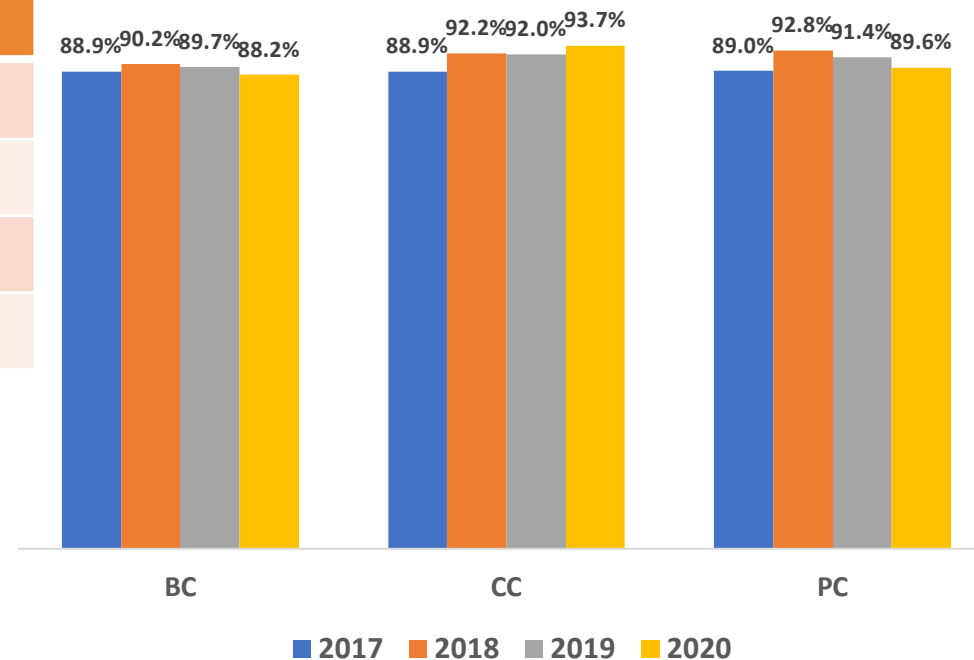


Satisfaction Rates

BY KCCD

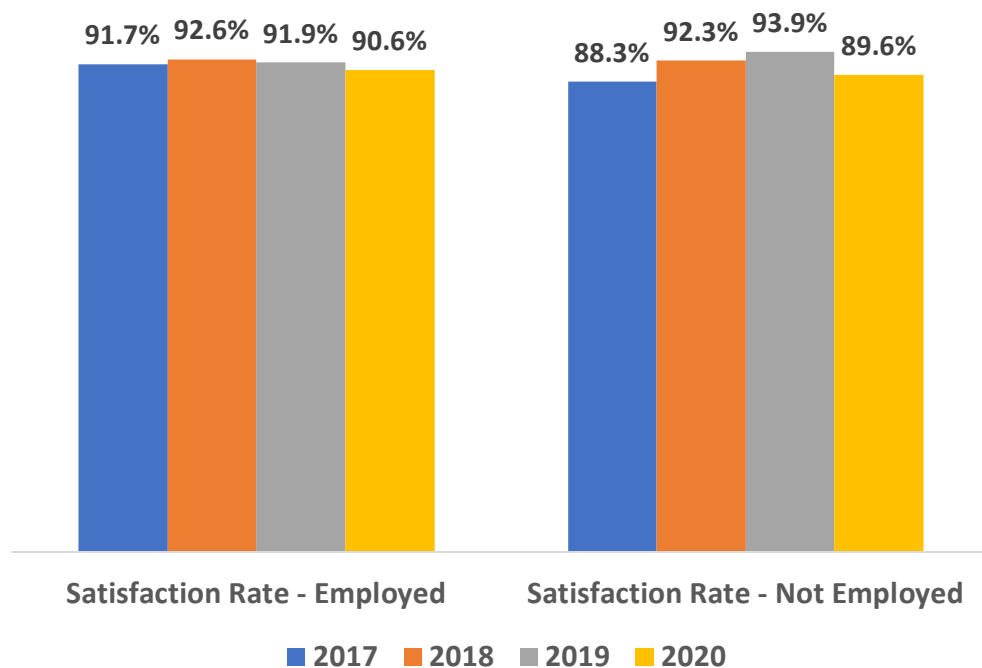
	2017	2018	2019	2020
	N = 1097	N = 769	N = 646	N = 946
Very Satisfied	48.4%	48.9%	49.8%	47.6%
Satisfied	40.5%	42.3%	40.6%	42.0%
Total Satisfied	88.9%	91.2%	90.4%	89.5%

BY COLLEGE



Satisfaction Rates

KCCD BY EMPLOYED AND NOT EMPLOYED



FINDINGS

- Respondents who were not employed are not less satisfied than respondents who are employed

Satisfaction Rates by Gender and Ethnicity



	2017	2018	2019	2020
Women	88.6%	91.1%	92.2%	90.8%
Men	89.3%	91.1%	87.6%	87.7%
Black or African American	84.4%	91.7%	96.0%	82.1%
Hispanic/Latino	89.8%	89.8%	90.6%	91.5%
Asian	91.7%	93.3%	88.5%	78.6%
White	87.7%	92.8%	90.1%	89.9%

- Men tend to have lower satisfaction rates compared to women (hovering around 87% for the last 2 years).
- Satisfaction rates across ethnicities remain high
 - Black or African American and Asian students had the largest decreases from 2019 to 2020.

COVID Impacts on 2020 CTEOS Cycle

- Additional data elements added to the survey for respondents:
 - COVID Impacts on Employment Status
 - “Furlough” option is new
 - Pre and Post COVID Wages, Hours Worked, Employment in Field of Study
- Survey window expanded until the end of October
- Response rates for Covid-related questions were significantly lower

COVID Impacts – Survey 2020

- Percent who reported “Furloughed” (n = 839)
 - 4.7% of women were furloughed
 - 1.7% of men were furloughed
- 51% of respondents (n = 608) reported Covid-19 impacted employment
 - 59.5% (n = 257) lost weekly employment hours
 - 23% (n = 252) lost their job

Summary

- Majority of respondents reported positive employment outcomes
- Majority of respondents are employed and are working in the same field as their studies or training
- Majority of respondents reported wage gain after completing CTE program
- Majority of respondents reported Covid-19 had an impact on their employment

Questions?





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For more information, please see [CTE Outcomes Survey | Kern Community College District \(kccd.edu\)](#)