



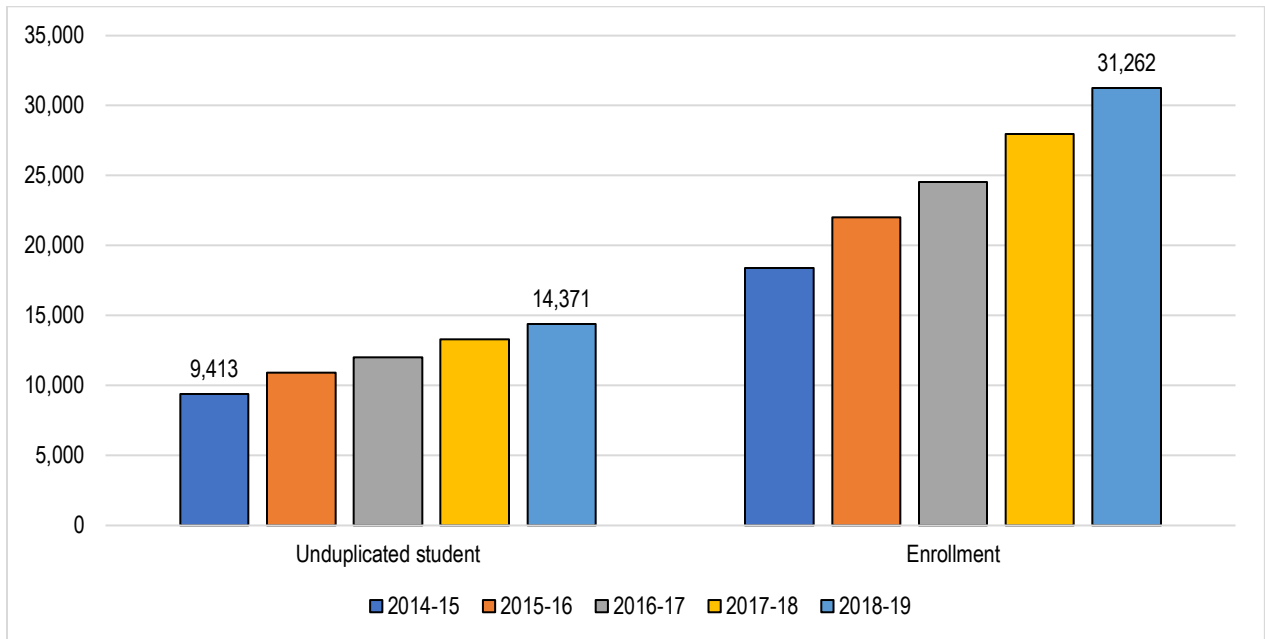
## **2020 Fact Book Distance Learning**

Prepared by the SBCCD Office of Research,  
Planning and Institutional Effectiveness

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## Unduplicated Number of Students and Enrollments in Distance Education Courses: 2014-15 Through 2018-19

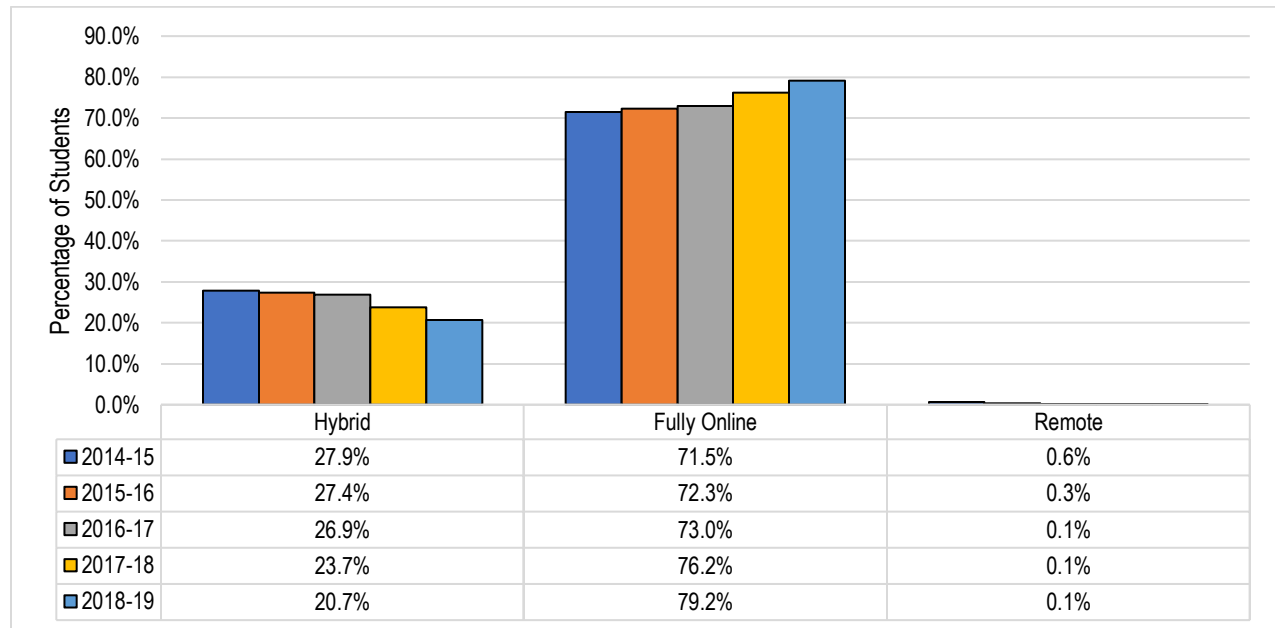


		2014-15	2015-16	2016-17	2017-18	2018-19	5 Year Change	5 Year Average
Crafton Hills College	Unduplicated Student	2,015	2,639	3,020	3,418	4,147	+105.8%	3,048
	Enrollment	3,342	4,658	5,446	6,476	8,663	+159.2%	5,717
San Bernardino Valley College	Unduplicated Student	7,398	8,285	9,001	9,898	10,224	+38.2%	8,961
	Enrollment	15,073	17,339	19,115	21,472	22,599	+49.9%	19,120
SBCCD	Unduplicated Student	9,413	10,924	12,021	13,316	14,371	+52.7%	12,009
	Enrollment	18,415	21,997	24,561	27,948	31,262	+69.8%	24,837

Source: CCCC MIS Referential Data Files.

Between 2014-15 and 2018-19, the number of unduplicated students served via distance learning has increased (+4,958 students, 9,413 in 2014-15, 14,371 in 2018-19, a 52.7% increase). The number of enrollments via distance learning has increased (+12,847 students, 18,415 in 2014-15, 31,262 in 2018-19, a 69.8% increase).

## Distance Education Enrollments: 2014-15 Through 2018-19



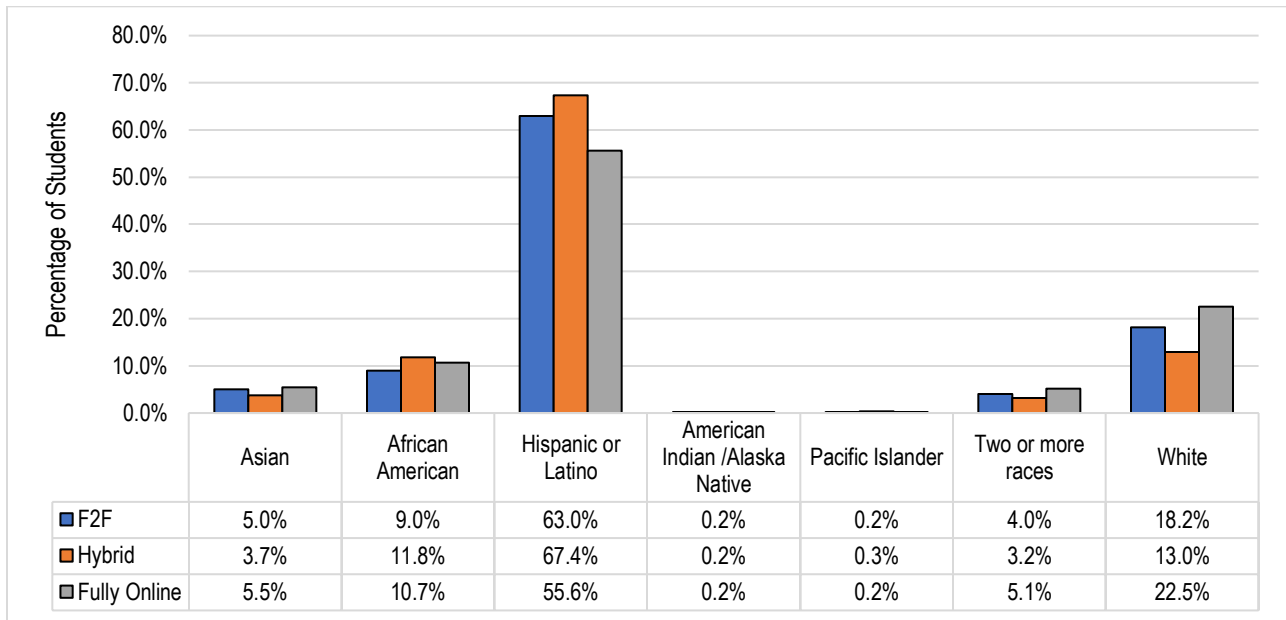
	Crafton Hills College			San Bernardino Valley College				SBCCD			
	Hybrid	Fully Online	Total	Hybrid	Fully Online	Remote (Big Bear)	Total	Hybrid	Fully Online	Remote	Total
2014-15	342	3,000	3,342	4,792	10,175	106	15,073	5,134	13,175	106	18,415
2015-16	645	4,013	4,658	5,387	11,895	57	17,339	6,032	15,908	57	21,997
2016-17	620	4,826	5,446	5,995	13,102	18	19,115	6,615	17,928	18	24,561
2017-18	498	5,978	6,476	6,127	15,315	30	21,472	6,625	21,293	30	27,948
2018-19	770	7,893	8,663	5,699	16,873	27	22,599	6,469	24,766	27	31,262
Grand Total	2,875	25,710	28,585	28,000	67,360	238	95,598	30,875	93,070	238	124,183
5 Year Change	+125.1%	+163.1%	+159.2%	+18.9%	+65.8%	-74.5%	+49.9%	+26.0%	+88.0%	-74.5%	+69.8%
5 Year Average	575	5,142	5,717	5,600	13,472	48	19,120	6,175	18,614	48	24,837

Source: CCCC MIS Referential Data Files

Between 2014-15 and 2018-19, the percentage of students who enrolled in fully online courses increased by 7.7% from 71.5% to 79.2%.

Over the period, the number of students who enrolled in fully online courses increased by 88.0%, and the number of students who enrolled in hybrid courses increased by 26.0%. However, the number of students who enrolled in remote mode courses at Big Bear High School declined by 74.5% from 106 to 27.

## Demographic Comparison of Students who Enrolled in Face-to-Face, Hybrid, and Fully Online Courses By Ethnic Group: 2018-19

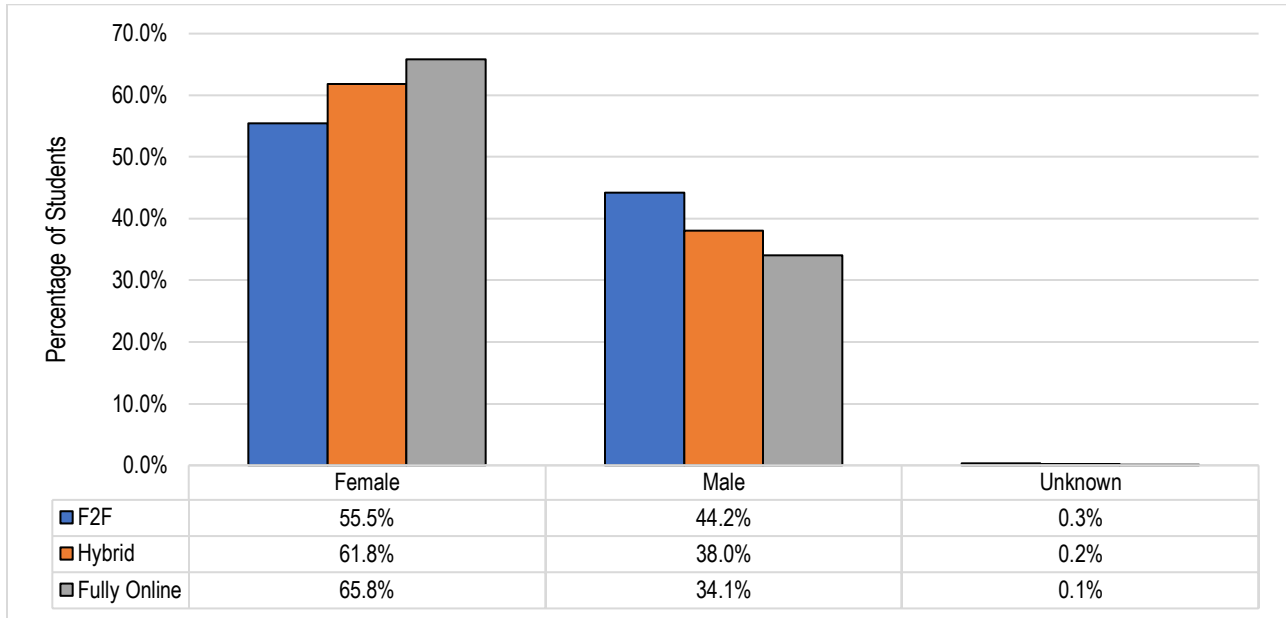


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
Asian	494	32	235	764	153	399	1,258	185	634
African American	317	22	182	1,937	560	1,066	2,254	582	1,248
Hispanic or Latino	4,127	356	1,825	11,701	2,969	4,636	15,828	3,325	6,461
American Indian /Alaska Native	24	1	11	30	9	12	54	10	23
Pacific Islander	13	2	5	34	12	13	47	14	18
Two or more races	428	36	218	574	124	372	1,002	160	590
White	2,775	265	1,394	1,808	377	1,217	4,583	642	2,611
Unknown	32	2	7	66	15	30	98	17	37
<b>Total</b>	<b>8,210</b>	<b>716</b>	<b>3,877</b>	<b>16,914</b>	<b>4,219</b>	<b>7,745</b>	<b>25,124</b>	<b>4,935</b>	<b>11,622</b>

Source: CCCC MIS Referential Data Files

Compared to their representation in face-to-face and hybrid courses, Hispanic students were underrepresented in fully online courses. White students were more prominent in fully online courses than in face-to-face and hybrid courses.

**Demographic Comparison of Students who Enrolled in Face-to-Face, Hybrid, and Fully Online Courses By Gender: 2018-19**

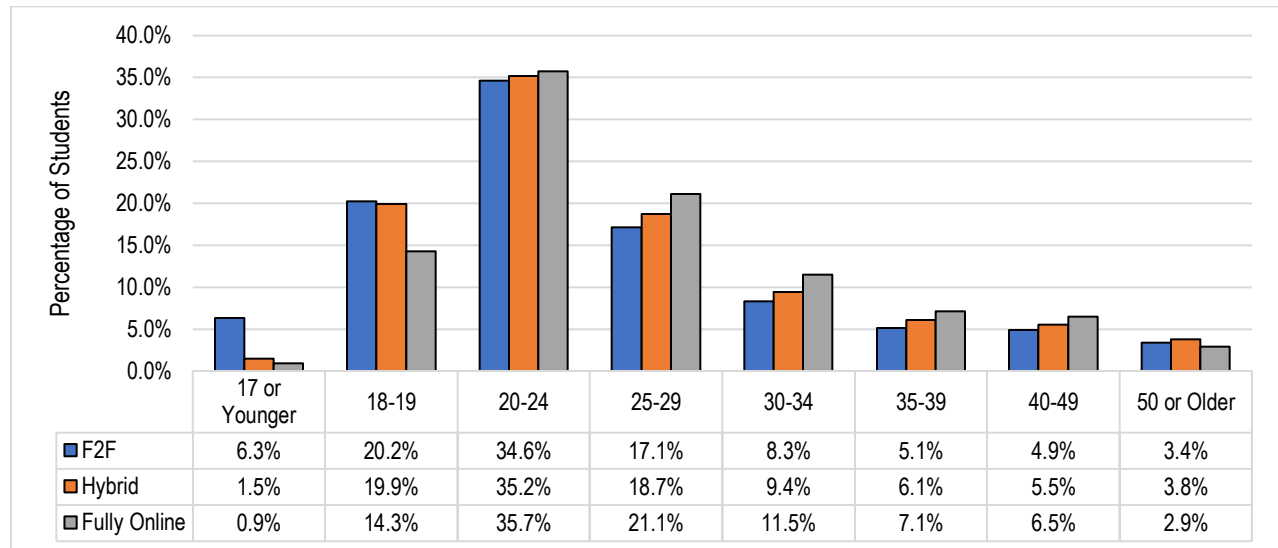


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
Female	4,408	366	2,418	9,537	2,686	5,224	13,945	3,052	7,642
Male	3,770	349	1,452	7,326	1,525	2,512	11,096	1,874	3,964
Unknown	32	1	7	51	8	9	83	9	16
<b>Total</b>	<b>8,210</b>	<b>716</b>	<b>3,877</b>	<b>16,914</b>	<b>4,219</b>	<b>7,745</b>	<b>25,124</b>	<b>4,935</b>	<b>11,622</b>

Sources: CCCC MIS Referential Data Files

Significant differences were observed in the gender ratio of instructional methods. In fully online courses, 65.8% of the unduplicated population were female while 34.1% were male. More female than male students enrolled in fully online courses.

## Demographic Comparison of Students who Enrolled in Face-to-Face, Hybrid, and Fully Online Courses By Age Group: 2018-19

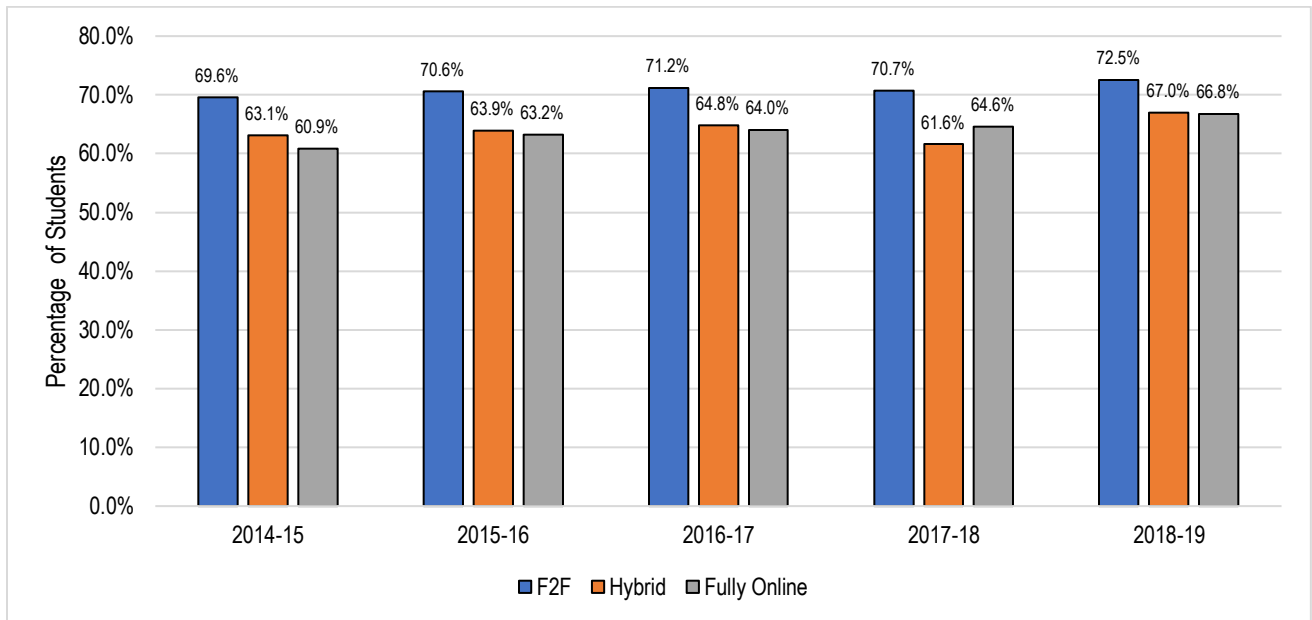


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
17 or younger	453	11	52	1,141	64	47	1,594	75	99
18-19	1,937	192	741	3,150	789	925	5,087	981	1,666
20-24	3,055	301	1,525	5,630	1,434	2,628	8,685	1,735	4,153
25-29	1,274	119	737	3,018	805	1,712	4,292	924	2,449
30-34	536	50	340	1,556	413	996	2,092	463	1,336
35-39	372	21	229	919	278	593	1,291	299	822
40-49	317	14	184	908	257	573	1,225	271	757
50 or older	266	8	69	592	179	271	858	187	340
<b>Total</b>	<b>8,210</b>	<b>716</b>	<b>3,877</b>	<b>16,914</b>	<b>4,219</b>	<b>7,745</b>	<b>25,124</b>	<b>4,935</b>	<b>11,622</b>
<b>Mean</b>	<b>24.81</b>	<b>23.54</b>	<b>25.44</b>	<b>25.80</b>	<b>26.79</b>	<b>27.73</b>	<b>25.48</b>	<b>26.32</b>	<b>26.96</b>
<b>Median</b>	<b>22.00</b>	<b>22.00</b>	<b>23.00</b>	<b>23.00</b>	<b>24.00</b>	<b>25.00</b>	<b>22.00</b>	<b>23.00</b>	<b>24.00</b>

Source: CCCC MIS Referential Data Files

Compared to their representation in face-to-face courses, students under 19 years of age were underrepresented in fully online courses. Conversely, students 25-49 years of age were more prominent in fully online courses than in face-to-face courses.

## Course Success Rate By Course Delivery Methods: 2014-15 Through 2018-19



	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
2014-15	73.8%	68.1%	69.0%	67.4%	62.7%	58.5%	69.6%	63.1%	60.9%
2015-16	73.6%	66.5%	70.7%	69.0%	63.6%	60.7%	70.6%	63.9%	63.2%
2016-17	73.2%	70.5%	70.1%	70.1%	64.2%	61.8%	71.2%	64.8%	64.0%
2017-18	72.6%	71.7%	71.6%	69.7%	60.8%	61.9%	70.7%	61.6%	64.6%
2018-19	73.8%	74.5%	74.1%	71.8%	66.0%	63.4%	72.5%	67.0%	66.8%
<b>5 Year Change</b>	<b>0.0%</b>	<b>+6.4%</b>	<b>+5.1%</b>	<b>+4.4%</b>	<b>+3.3%</b>	<b>+4.9%</b>	<b>+2.9%</b>	<b>+3.9%</b>	<b>+5.9%</b>
<b>5 Year Average</b>	<b>73.4%</b>	<b>70.6%</b>	<b>71.6%</b>	<b>69.6%</b>	<b>63.4%</b>	<b>61.5%</b>	<b>70.9%</b>	<b>64.1%</b>	<b>64.3%</b>

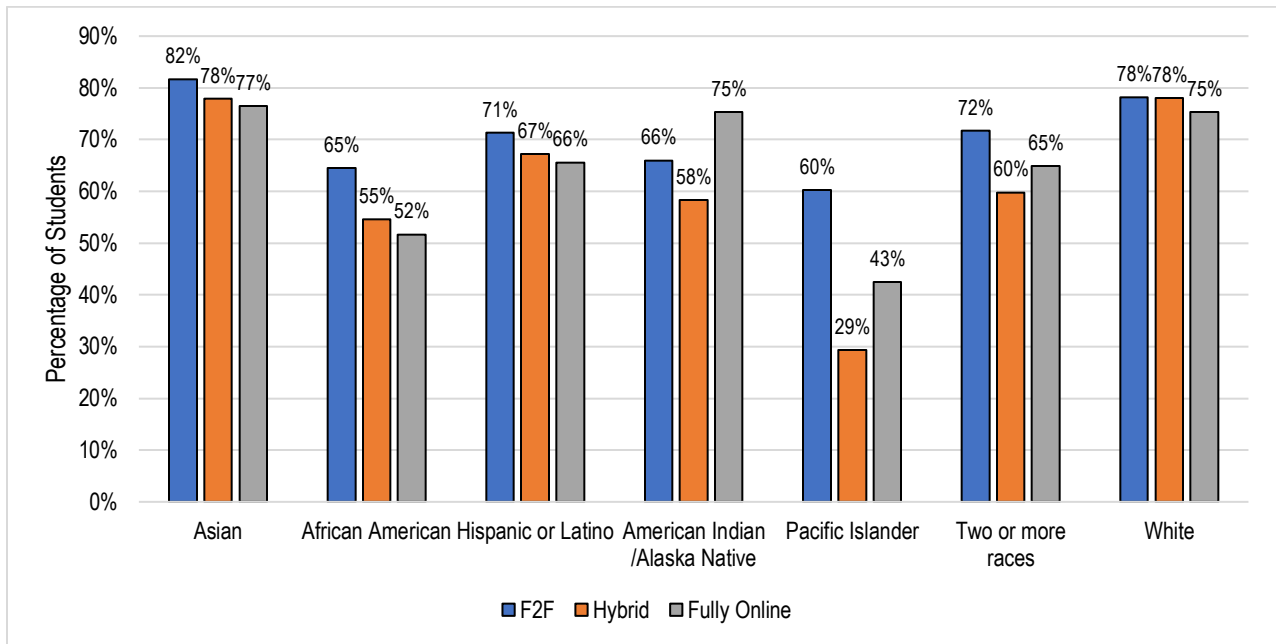
Source: CCCC MIS Referential Data Files.

Success Rate = (A, B, C, P, IA, IB, IC, and IPP Grades / A, B, C, D, F, P, NP, I\*, IPP, INP, FW, and W Grades) \* 100

On average, between 2014-15 and 2018-19, the success rate of face-to-face courses was higher than the success rates of the hybrid and fully online courses (70.9% vs 64.1% vs 64.3%). Over the period, the success rate of the fully online courses increased by 5.9% from 60.9% in 2014-15 to 66.8% in 2018-19. However, the success rate of fully online courses in 2018-19 is still 6.6% lower than face-to-face courses.



## Course Success Rate By Course Delivery Methods and Ethnic Group: 2018-19

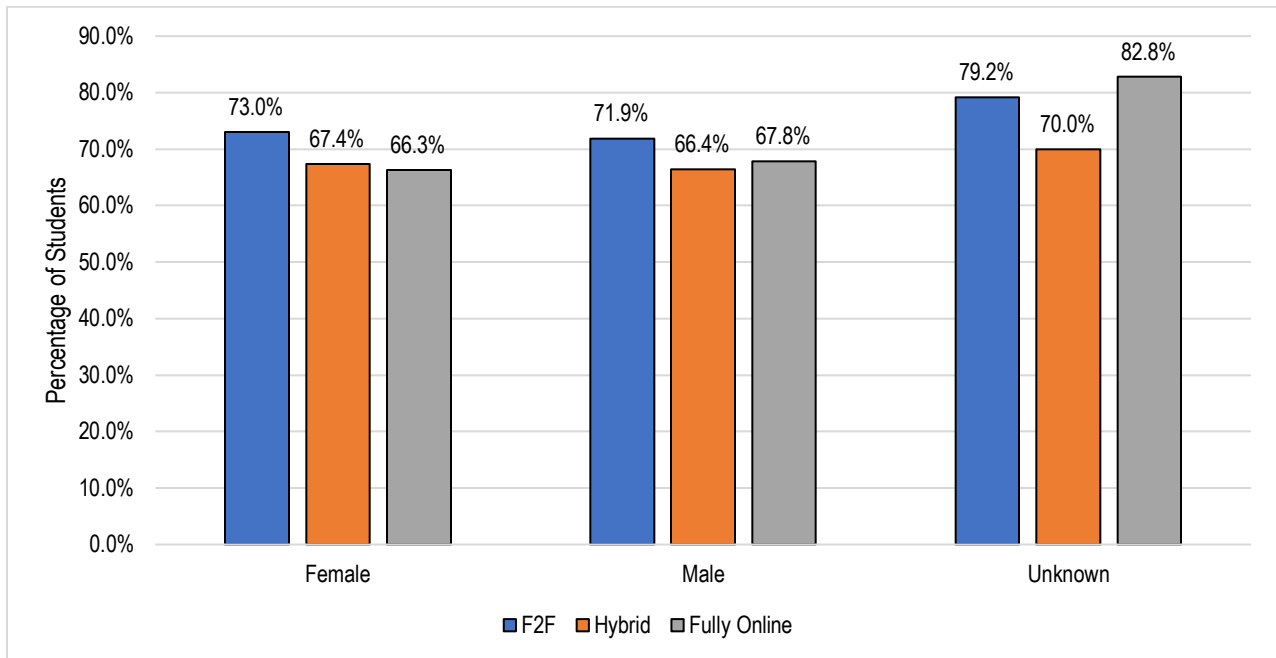


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
Asian	79.8%	78.8%	81.1%	82.9%	77.8%	73.9%	81.7%	77.9%	76.5%
African American	65.8%	68.2%	49.1%	64.3%	54.2%	52.1%	64.5%	54.6%	51.7%
Hispanic or Latino	70.6%	70.2%	71.8%	71.5%	66.9%	63.3%	71.3%	67.2%	65.6%
American Indian /Alaska Native	67.9%	100.0%	68.4%	63.8%	54.5%	78.6%	66.0%	58.3%	75.4%
Pacific Islander	70.8%	0.0%	41.7%	56.6%	33.3%	42.9%	60.3%	29.4%	42.5%
Two or more races	75.0%	81.1%	76.7%	69.0%	55.5%	58.6%	71.7%	59.8%	64.9%
White	77.9%	80.1%	78.4%	78.6%	76.9%	72.2%	78.2%	78.1%	75.4%
Unknown	89.7%	50.0%	78.6%	73.8%	59.1%	65.5%	77.5%	58.3%	68.1%
<b>Total</b>	<b>73.8%</b>	<b>74.5%</b>	<b>74.1%</b>	<b>71.8%</b>	<b>66.0%</b>	<b>63.4%</b>	<b>72.5%</b>	<b>67.0%</b>	<b>66.8%</b>

Source: CCCC MIS Referential Data Files

In 2018-19, African American, Hispanic, and Multi-race students had statistically significant higher success rates in face-to-face courses than in fully online and hybrid courses. White students also had a statistically significant higher success rate in face-to-face courses than in fully online courses.

### Course Success Rate By Course Delivery Methods and Gender: 2018-19

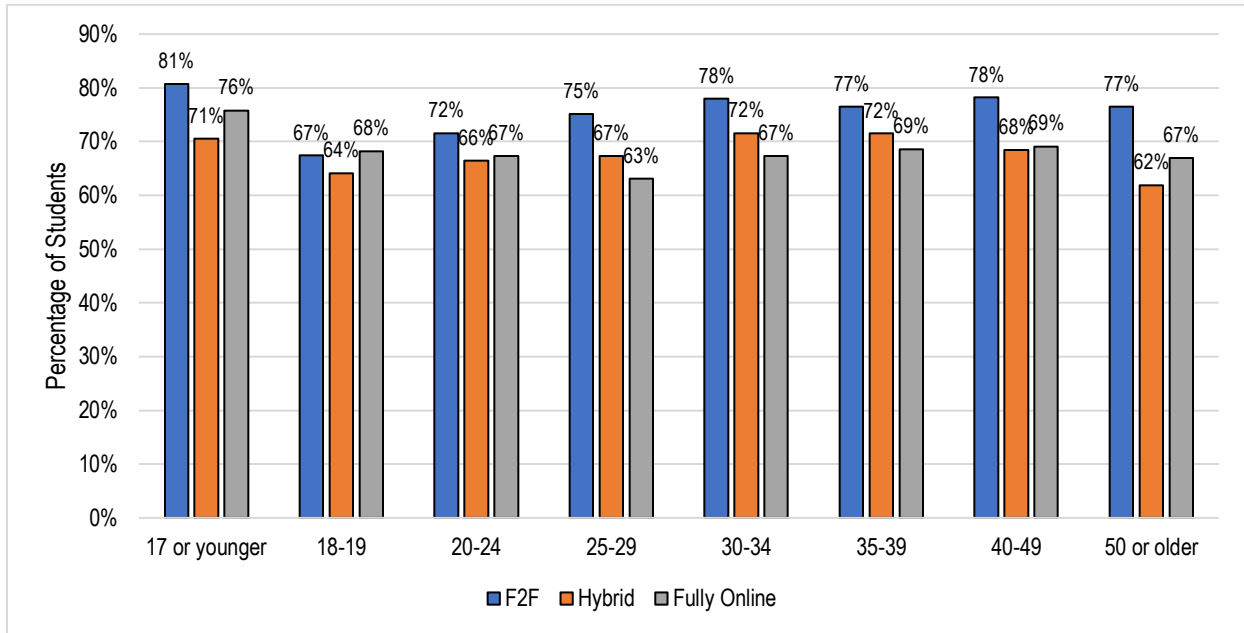


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
Female	74.2%	72.1%	73.2%	72.4%	66.8%	63.4%	73.0%	67.4%	66.3%
Male	73.4%	77.1%	75.6%	71.1%	64.4%	63.3%	71.9%	66.4%	67.8%
Unknown	73.1%	100.0%	69.2%	82.0%	66.7%	93.8%	79.2%	70.0%	82.8%
<b>Total</b>	<b>73.8%</b>	<b>74.5%</b>	<b>74.1%</b>	<b>71.8%</b>	<b>66.0%</b>	<b>63.4%</b>	<b>72.5%</b>	<b>67.0%</b>	<b>66.8%</b>

Source: CCCC MIS Referential Data Files

In 2018-19, female and male students had statistically significant higher success rates in face-to-face courses than in fully online and hybrid courses.

### Course Success Rate By Course Delivery Methods and Age Group: 2018-19

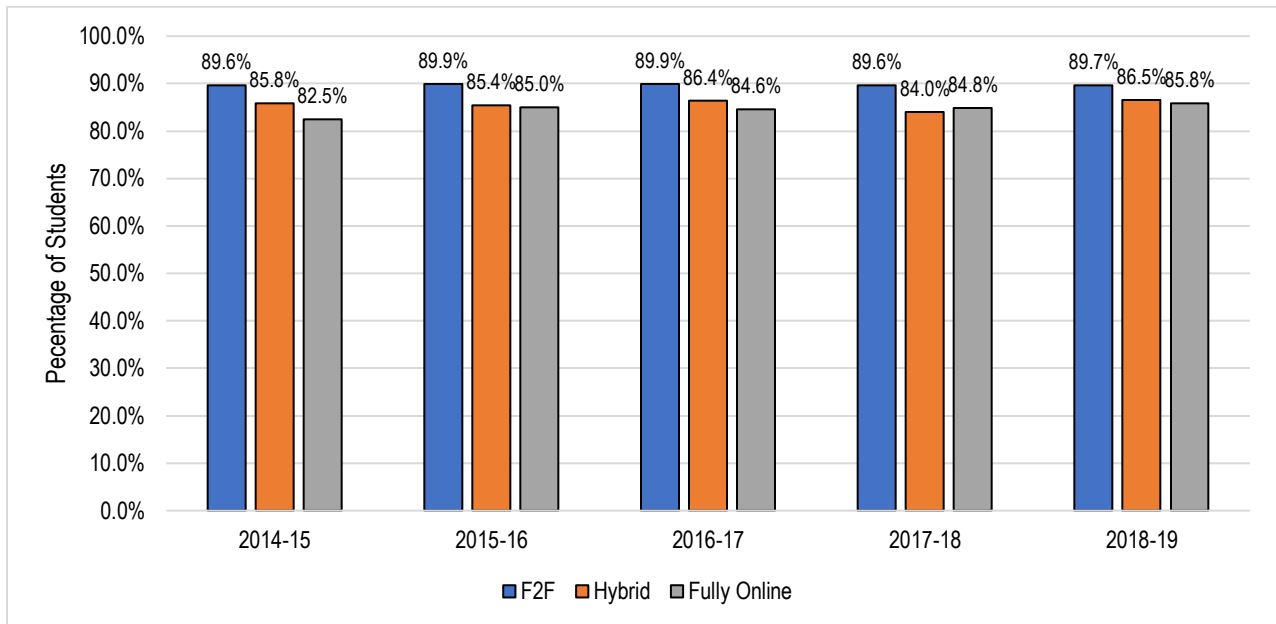


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
17 or younger	77.8%	76.9%	82.4%	81.6%	69.5%	67.8%	80.7%	70.5%	75.8%
18-19	69.8%	74.5%	77.2%	65.9%	62.1%	60.3%	67.4%	64.1%	68.2%
20-24	73.4%	75.6%	74.4%	70.5%	64.8%	63.3%	71.6%	66.4%	67.3%
25-29	77.2%	68.3%	69.5%	74.3%	67.2%	60.7%	75.2%	67.3%	63.1%
30-34	80.1%	84.9%	73.7%	77.2%	70.5%	65.4%	78.0%	71.6%	67.3%
35-39	80.2%	79.2%	76.2%	75.2%	71.0%	66.1%	76.5%	71.5%	68.6%
40-49	81.1%	81.3%	67.6%	77.4%	67.8%	69.5%	78.2%	68.4%	69.1%
50 or older	80.0%	33.3%	79.8%	75.6%	62.9%	64.2%	76.5%	61.9%	66.9%
<b>Total</b>	<b>73.8%</b>	<b>74.5%</b>	<b>74.1%</b>	<b>71.8%</b>	<b>66.0%</b>	<b>63.4%</b>	<b>72.5%</b>	<b>67.0%</b>	<b>66.8%</b>

Source: CCCC MIS Referential Data Files

In 2018-19, students 20-49 years of age had statistically significant success rates in face-to-face courses than in hybrid and fully online courses. Students under 17 years of age had statistically significant success rates in face-to-face courses than in hybrid courses.

## Course Retention Rate By Course Delivery Methods: 2014-15 Through 2018-19



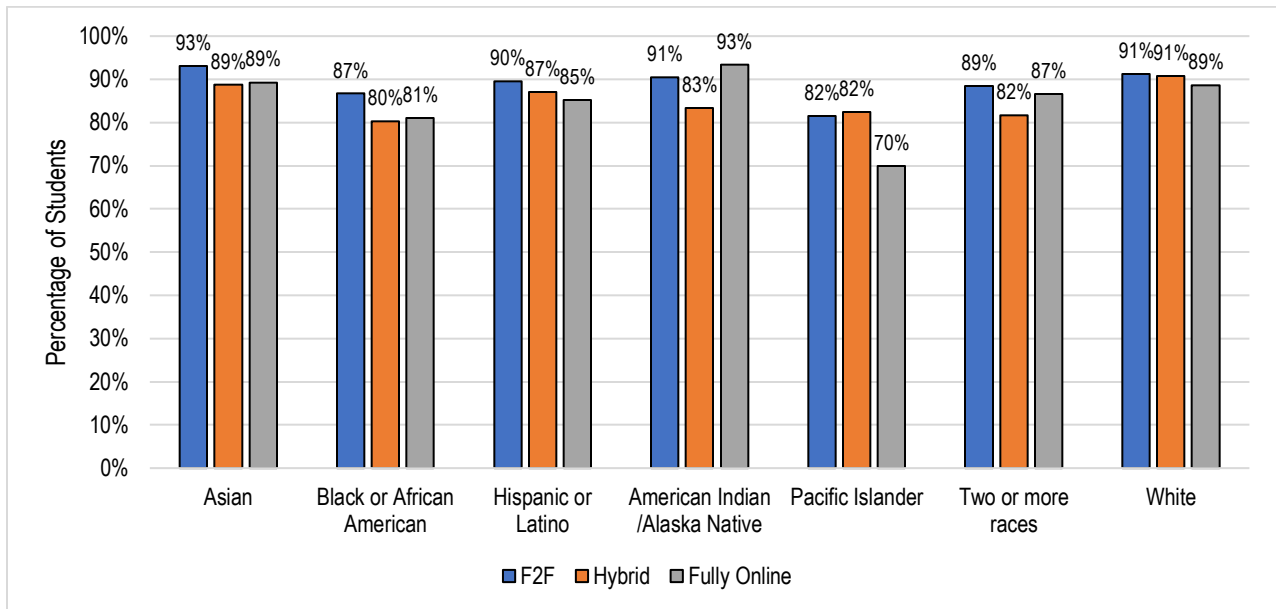
	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
2014-15	91.5%	84.2%	87.4%	88.6%	85.9%	81.0%	89.6%	85.8%	82.5%
2015-16	91.1%	87.0%	89.6%	89.2%	85.2%	83.4%	89.9%	85.4%	85.0%
2016-17	91.3%	89.2%	88.3%	89.2%	86.1%	83.3%	89.9%	86.4%	84.6%
2017-18	90.7%	87.3%	88.6%	89.0%	83.7%	83.3%	89.6%	84.0%	84.8%
2018-19	91.1%	91.9%	89.0%	89.1%	85.7%	84.3%	89.7%	86.5%	85.8%
<b>5 Year Change</b>	<b>-0.4%</b>	<b>+7.7%</b>	<b>+1.6%</b>	<b>+0.5%</b>	<b>-0.2%</b>	<b>+3.3%</b>	<b>+0.1%</b>	<b>+0.7%</b>	<b>+3.3%</b>
<b>5 Year Average</b>	<b>91.1%</b>	<b>88.5%</b>	<b>88.7%</b>	<b>89.0%</b>	<b>85.3%</b>	<b>83.2%</b>	<b>89.7%</b>	<b>85.6%</b>	<b>84.7%</b>

Source: CCCC MIS Referential Data Files.

Retention Rate = (A, B, C, D, F, I\*, IPP, P, NP, and FW Grades / A, B, C, D, F, FW, I\*, IPP, P, NP, FW, and W Grades) \* 100

On average, between 2014-15 and 2018-19, the retention rate of face-to-face courses was higher than the retention rates of hybrid and fully online courses (89.7% vs 85.6% vs 84.7%). Over the period, the retention rate of fully online courses increased by 3.3% from 82.5% to 85.8%. However, the retention rate of fully online courses in 2018-19 is still 2.9% lower than face-to-face courses.

## Course Retention Rate By Course Delivery Methods and Ethnic Group: 2018-19

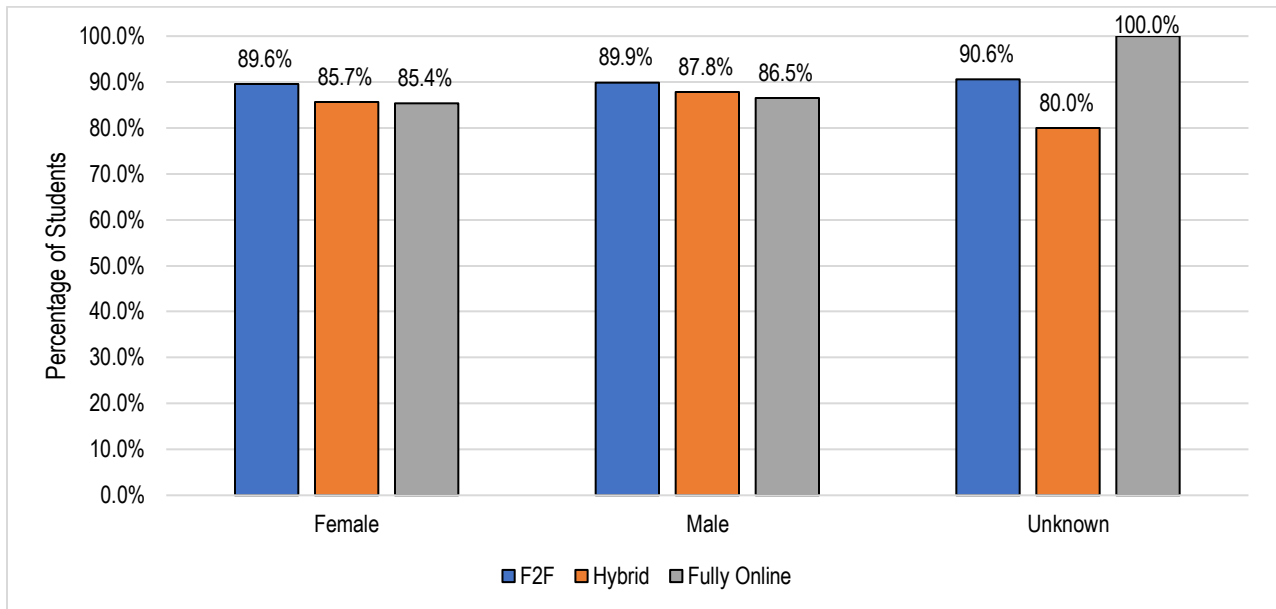


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
Asian	93.9%	93.9%	91.8%	92.6%	87.9%	87.9%	93.1%	88.7%	89.3%
African American	89.4%	90.9%	80.2%	86.3%	80.0%	81.1%	86.7%	80.3%	81.0%
Hispanic or Latino	90.3%	92.2%	88.5%	89.3%	86.5%	84.0%	89.5%	87.0%	85.2%
American Indian /Alaska Native	94.3%	100.0%	94.7%	86.2%	81.8%	92.9%	90.5%	83.3%	93.4%
Pacific Islander	85.4%	50.0%	83.3%	80.1%	86.7%	64.3%	81.5%	82.4%	70.0%
Two or more races	90.5%	91.9%	90.6%	86.7%	79.7%	84.4%	88.5%	81.7%	86.6%
White	92.0%	92.0%	90.0%	89.9%	90.0%	87.0%	91.2%	90.7%	88.6%
Unknown	95.6%	50.0%	85.7%	93.3%	77.3%	89.1%	93.9%	75.0%	88.4%
<b>Average</b>	<b>91.1%</b>	<b>91.9%</b>	<b>89.0%</b>	<b>89.1%</b>	<b>85.7%</b>	<b>84.3%</b>	<b>89.7%</b>	<b>86.5%</b>	<b>85.8%</b>

Source: CCCC MIS Referential Data Files

In 2018-19, African American and Hispanic students had statistically significant higher retention rates in face-to-face courses than in fully online and hybrid courses. White students also had a statistically significant higher success rate in face-to-face courses than in fully online courses.

### Course Retention Rate By Course Delivery Methods and Gender: 2018-19

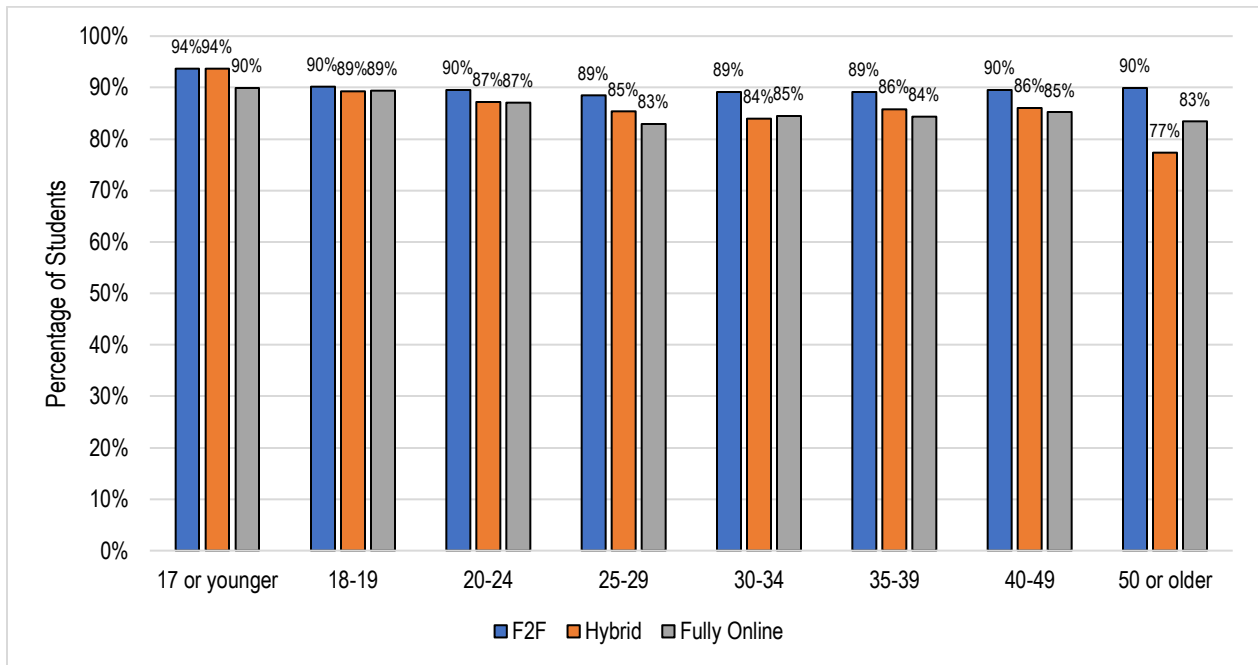


	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
Female	90.7%	89.7%	88.9%	89.1%	85.3%	84.0%	89.6%	85.7%	85.4%
Male	91.4%	94.3%	89.3%	89.1%	86.6%	84.9%	89.9%	87.8%	86.5%
Unknown	98.7%	100.0%	100.0%	86.8%	77.8%	100.0%	90.6%	80.0%	100.0%
<b>Total</b>	<b>91.1%</b>	<b>91.9%</b>	<b>89.0%</b>	<b>89.1%</b>	<b>85.7%</b>	<b>84.3%</b>	<b>89.7%</b>	<b>86.5%</b>	<b>85.8%</b>

Source: CCCC MIS Referential Data Files

In 2018-19, female and male students had statistically significant higher retention rates in face-to-face courses than in hybrid and fully online courses.

## Course Retention Rate By Course Delivery Methods and Age Group: 2018-19



	Crafton Hills College			San Bernardino Valley College			SBCCD		
	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online	F2F	Hybrid	Fully Online
17 or younger	92.6%	76.9%	93.5%	94.0%	96.3%	85.6%	93.7%	93.7%	89.9%
18-19	91.7%	97.1%	92.1%	89.3%	87.7%	87.0%	90.2%	89.3%	89.4%
20-24	90.7%	92.4%	89.3%	88.8%	86.4%	85.8%	89.5%	87.2%	87.1%
25-29	90.7%	87.8%	86.4%	87.6%	85.1%	81.5%	88.5%	85.4%	82.9%
30-34	90.0%	88.7%	88.1%	88.9%	83.4%	83.4%	89.2%	83.9%	84.5%
35-39	91.7%	91.7%	87.3%	88.4%	85.4%	83.4%	89.2%	85.8%	84.4%
40-49	89.2%	93.8%	85.8%	89.5%	85.6%	85.1%	89.5%	86.0%	85.2%
50 or older	92.1%	55.6%	86.0%	89.3%	78.2%	82.8%	89.9%	77.4%	83.4%
<b>Total</b>	<b>91.1%</b>	<b>91.9%</b>	<b>89.0%</b>	<b>89.1%</b>	<b>85.7%</b>	<b>84.3%</b>	<b>89.7%</b>	<b>86.5%</b>	<b>85.8%</b>

Source: CCCC MIS Referential Data Files

In 2018-19, students 20-34 years of age had statistically significant retention rates in face-to-face courses than in hybrid and fully online courses. Students 35-49 years of age statistically significant retention rates in face-to-face course than in fully online courses.