



**PPIC**

PUBLIC POLICY  
INSTITUTE OF CALIFORNIA

# Community College English in California's New Era of Student Access

## Technical Appendices

### CONTENTS

Appendix A. Data

Appendix B. Tables and Figures

Appendix C. Qualitative Interview Analysis

Marisol Cuellar Mejia, Olga Rodriguez, Hans Johnson, and Cesar Alesi Perez

Supported with funding from the Bill & Melinda Gates Foundation, William T. Grant Foundation, and the Sutton Family Fund

# Appendix A. Data

## Student Longitudinal Data

Our quantitative approach utilizes student-level longitudinal data from the California Community College Chancellor's Office Management Information System (COMIS). The dataset includes students enrolled across the 115 community colleges that comprise the California Community College system, and includes demographic information, transcripts (grades and credits earned), and course elements (levels below transfer-level, credit status, transfer status and minimum/maximum number of credits).

Please see the glossary of terms in the main report for a description of key variables derived from the MIS data.

## Variables

***Outcomes:*** Direct access to TL, one-term, one-year, and fall-fall throughput, subsequent enrollment in TL courses, subsequent success in TL courses, persistence, and racial equity gaps (percentage point gap and proportionality index).

***Student-level variables:*** student goal, first-time college student, traditional-age student, gender, race/ethnicity, citizenship status, disability status, Limited English Proficiency status, College Promise or Pell grant recipient, full-time status, foster student, EOPS recipient, prior dual-enrollment, targeted program participation, GPA first-term (excluding English), TL units earned first-term as a share of units attempted, enrollment in corequisite support.

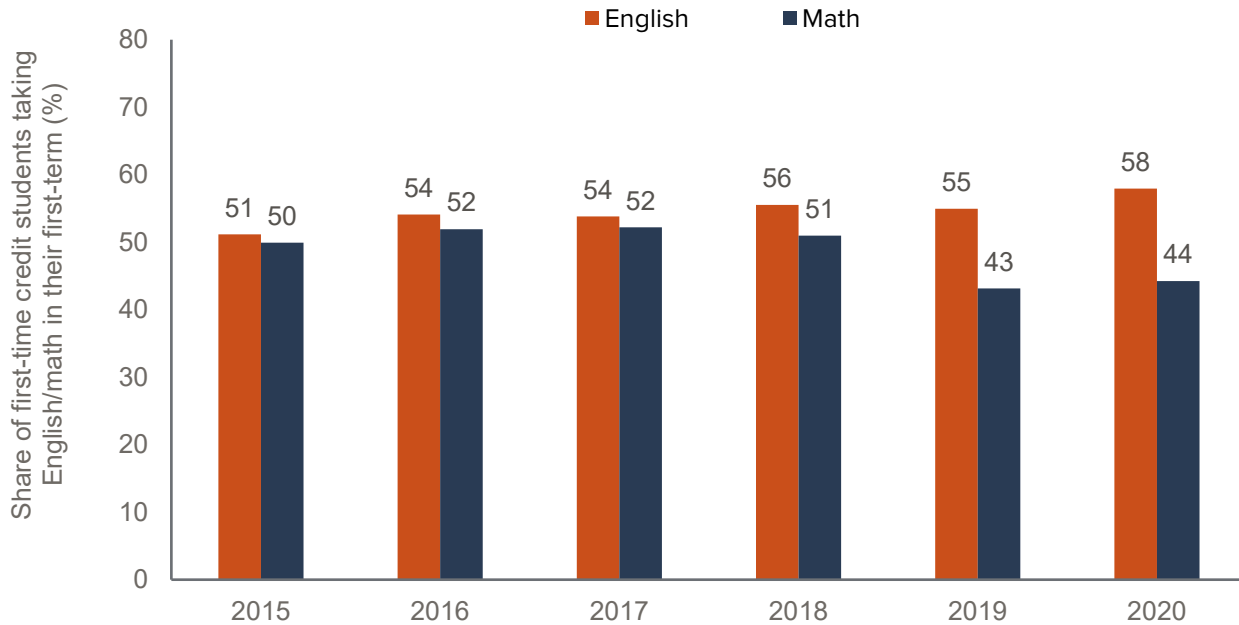
## Caveats and Limitations

- The accuracy of our results relies on the accuracy with which colleges report their information to the Chancellor's Office. While we used various approaches to identify colleges with inconsistent data, it is possible that we missed colleges where the data discrepancies were not stark.
- The MIS database do not include data on placement, so we are unable to identify who was referred to developmental education or to transfer-level with or without corequisite support. Neither do we have information on students' high school performance measures (i.e., course-taking, grades, or GPA). Our analysis is based exclusively on course-taking behavior.
- A critical question is whether students who start in transfer-level courses with corequisite support have better outcomes than those who start in traditional developmental sequences. Since we do not have high school records or assessment and placement information, we cannot directly assess whether prior academic preparedness drives our results.
- Our focus in this report is on corequisite models because we are not yet able to consistently identify and measure participation in other forms of concurrent support (e.g., writing labs, tutoring centers, supplemental instruction).
- Cohorts entering after spring 2020 were affected by the COVID-19 pandemic and any results after that term cannot be interpreted as causal.

# Appendix B. Tables and Figures

**FIGURE B1**

Students are more likely to take an English course in their first term in college than they are to take a math course



SOURCE: Authors' calculations using MIS data.

NOTES: Restricted to first-time credit students with a degree/transfer goal. First-time credit students are all the students who enrolled for the first time in a credit course as non-special admit (i.e., non-dual enrollment) students in a California community college in the fall of the selected year. To identify degree/transfer-intending students, we use the students' informed goal in their first term of enrollment. This is the goal that the students declare after having reviewed assessment results, received orientation, or other services that expand a student's understanding of the requirements necessary to achieve the goal (SS01 in the MIS). For reference, there were 135,449 degree/transfer-intending students in fall 2020. See Technical Appendix Table B2 for these shares by college.

**TABLE B1**

Number of first-time English students, fall 2019 versus fall 2020

College Name	2019	2020	Annual change, %	Region
SOUTHWEST L.A.	676	233	-66	Los Angeles
MARIN	385	136	-65	Northwest
REEDLEY	1,518	611	-60	East Central
COMPTON	500	215	-57	Los Angeles
L.A. HARBOR	1,065	607	-43	Los Angeles
MERRITT	382	227	-41	San Francisco/East Bay
FEATHER RIVER	249	149	-40	Northeast
SISKIYOU	230	139	-40	Northeast
MORENO VALLEY	1,312	822	-37	Desert
FRESNO CITY	3,187	2,011	-37	East Central
L.A. MISSION	909	578	-36	Los Angeles
PALO VERDE	271	173	-36	Desert
BARSTOW	469	307	-35	Desert
CONTRA COSTA	685	452	-34	San Francisco/East Bay
PORTERVILLE	673	449	-33	East Central

College Name	2019	2020	Annual change, %	Region
L.A. VALLEY	1,991	1,340	-33	Los Angeles
VICTOR VALLEY	1,662	1,154	-31	Desert
OXNARD	1,063	747	-30	West Central
YUBA	765	546	-29	Northeast
LEMOORE	640	462	-28	East Central
WEST L.A.	964	698	-28	Los Angeles
SANTA ANA	2,229	1,615	-28	Southcoast
MT. SAN JACINTO	2,620	1,927	-26	Desert
TAFT	459	341	-26	West Central
WOODLAND	468	358	-24	Northeast
L.A. TRADE-TECH	643	493	-23	Los Angeles
CITRUS	1,522	1,168	-23	Los Angeles
COALINGA	361	278	-23	East Central
REDWOODS	549	424	-23	Northwest
COLUMBIA	258	200	-22	East Central
CABRILLO	1,433	1,111	-22	Southwest Bay
NORCO	999	781	-22	Desert
SAN JOAQUIN DELTA	2,610	2,051	-21	East Central
SKYLINE	815	641	-21	Southwest Bay
MONTEREY	873	687	-21	Southwest Bay
FOOTHILL	821	650	-21	Southwest Bay
EAST L.A.	3,052	2,419	-21	Los Angeles
MENDOCINO	334	265	-21	Northwest
DESERT	2,097	1,683	-20	Desert
CLOVIS	1,126	923	-18	East Central
GLENDALE	1,651	1,359	-18	Los Angeles
BUTTE	1,673	1,378	-18	Northeast
SAN DIEGO MESA	2,020	1,669	-17	San Diego/Imperial
CANADA	490	405	-17	Southwest Bay
MERCED	1,722	1,431	-17	East Central
LANEY	429	357	-17	San Francisco/East Bay
SAN FRANCISCO CITY	1,793	1,501	-16	San Francisco/East Bay
BERKELEY CITY	476	399	-16	San Francisco/East Bay
SAN DIEGO CITY	1,356	1,139	-16	San Diego/Imperial
LOS MEDANOS	1,415	1,213	-14	San Francisco/East Bay
GROSSMONT	2,241	1,923	-14	San Diego/Imperial
CHAFFEY	2,700	2,326	-14	Desert
SANTA BARBARA CITY	1,889	1,630	-14	West Central
SEQUOIAS	1,909	1,649	-14	East Central
ALAMEDA	285	247	-13	San Francisco/East Bay
BAKERSFIELD	3,252	2,845	-13	West Central
MODESTO	2,411	2,116	-12	East Central
L.A. PIERCE	2,164	1,899	-12	Los Angeles
VENTURA	1,708	1,501	-12	West Central
OHLONE	1,180	1,045	-11	San Francisco/East Bay
WEST VALLEY	929	819	-12	Southwest Bay
RIO HONDO	2,060	1,817	-12	Los Angeles
FULLERTON	3,141	2,774	-12	Southcoast
GAVILAN	646	560	-13	Southwest Bay
MT. SAN ANTONIO	3,528	3,126	-11	Los Angeles
ALLAN HANCOCK	1,382	1,229	-11	West Central
PASADENA CITY	4,050	3,614	-11	Los Angeles

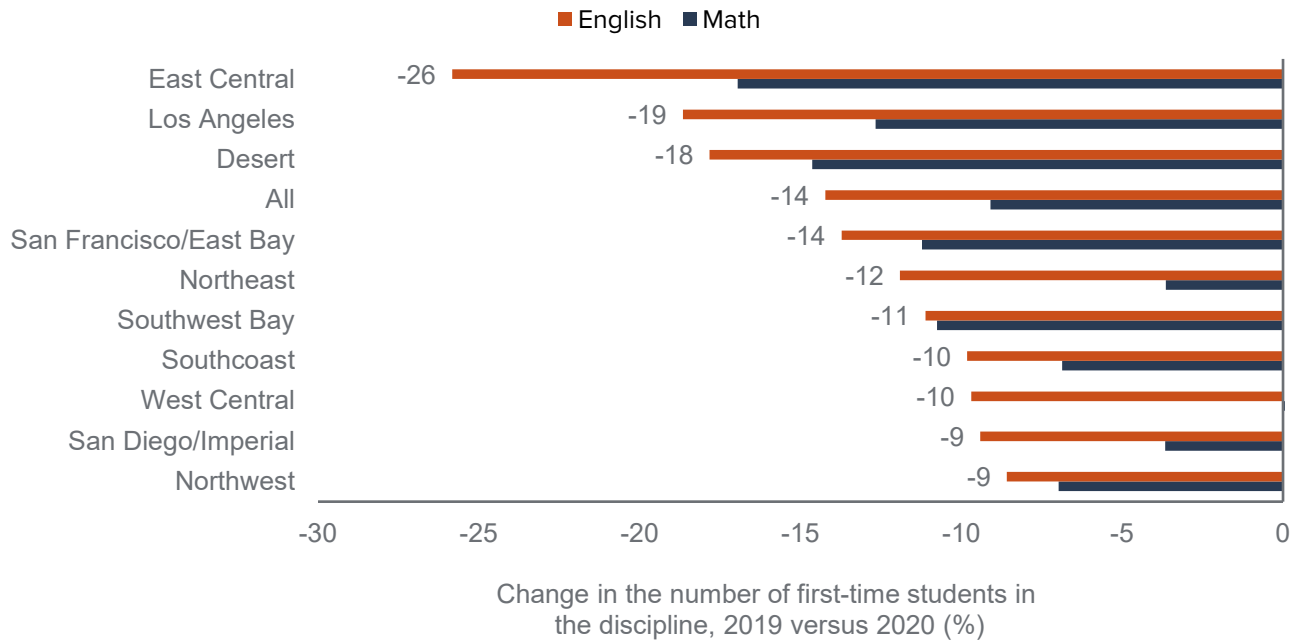
College Name	2019	2020	Annual change, %	Region
SANTIAGO CANYON	1,365	1,218	-11	Southcoast
MOORPARK	2,010	1,799	-10	West Central
L.A. CITY	1,260	1,146	-9	Los Angeles
EL CAMINO	3,209	2,874	-10	Southcoast
SAN JOSE CITY	719	644	-10	Southwest Bay
ORANGE COAST	2,286	2,058	-10	Southcoast
AMERICAN RIVER	2,056	1,851	-10	Northwest
CERRITOS	3,224	2,906	-10	Southcoast
CUYAMACA	718	647	-10	San Diego/Imperial
CHABOT	1,396	1,267	-9	San Francisco/East Bay
DIABLO VALLEY	2,598	2,363	-9	San Francisco/East Bay
SAN DIEGO MIRAMAR	921	839	-9	San Diego/Imperial
IRVINE VALLEY	1,373	1,258	-8	Southcoast
SOUTHWESTERN	2,465	2,261	-8	San Diego/Imperial
LONG BEACH CITY	3,464	3,188	-8	Southcoast
ANTELOPE VALLEY	1,807	1,669	-8	West Central
SHASTA	763	706	-7	Northeast
SACRAMENTO CITY	1,666	1,542	-7	Northwest
SANTA MONICA	4,279	3,966	-7	Los Angeles
LAKE TAHOE	193	179	-7	Northeast
HARTNELL	1,459	1,357	-7	Southwest Bay
NAPA VALLEY	722	672	-7	Northwest
SANTA ROSA	2,031	1,897	-7	Northwest
CUESTA	1,190	1,114	-6	West Central
SIERRA	2,545	2,382	-6	Northeast
PALOMAR	2,486	2,329	-6	San Diego/Imperial
COASTLINE	543	511	-6	Southcoast
CERRO COSO	360	339	-6	Desert
RIVERSIDE	2,569	2,427	-6	Desert
LAS POSITAS	1,221	1,165	-5	San Francisco/East Bay
EVERGREEN VALLEY	1,052	1,007	-4	Southwest Bay
MISSION	515	493	-4	Southwest Bay
SAN MATEO	847	811	-4	Southwest Bay
SADDLEBACK	2,261	2,177	-4	Southcoast
COSUMNES RIVER	1,563	1,507	-4	Northwest
CYPRESS	1,849	1,796	-3	Southcoast
GOLDEN WEST	1,461	1,433	-2	Southcoast
SAN BERNARDINO	1,506	1,484	-1	Desert
IMPERIAL VALLEY	1,068	1,057	-1	San Diego/Imperial
DE ANZA	2,117	2,108	0	Southwest Bay
MIRA COSTA	1,577	1,592	1	San Diego/Imperial
CRAFTON HILLS	812	864	6	Desert
LASSEN	168	178	6	Northeast
FOLSOM LAKE	953	1,039	9	Northeast
CANYONS	2,105	2,351	12	West Central
SOLANO	1,033	1,158	12	Northwest
<b>Total</b>	<b>165,351</b>	<b>141,976</b>	<b>-14</b>	

SOURCE: Authors' calculations using MIS data.

NOTES: Fall of each year. Sorted by the annual change between 2019 and 2020. The regional classification comes from <https://cclibrarians.org/directory/regions>. This table excludes Madera College which started in 2020 and Cooper Mountain which data was unavailable in the MIS.

**FIGURE B2**

Enrollment declines among first-time English takers were concentrated in the East Central, Los Angeles and Desert regions

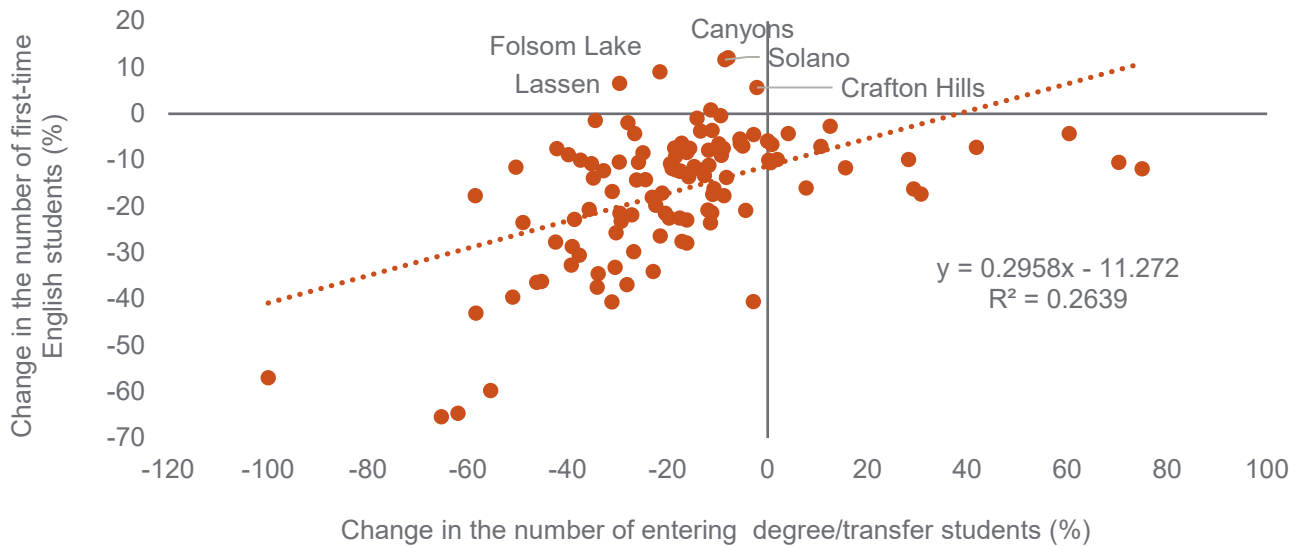


SOURCE: Authors' calculations using MIS data.

NOTE: Please refer to Technical Appendix Table B1 for the list of colleges in each region.

**FIGURE B3**

Change in first-time degree/transfer intending versus change in first-time English takers, fall 2019 versus fall 2020



SOURCE: Authors' calculation using MIS data.

**TABLE B2**

Share of first-time degree/transfer intending taking an English course in their first term by college

	Number of first-time degree/transfer-intending students			Share who took college composition in their first term (%)		
	2019	2020	Annual change, %	2019	2020	Annual change, pp
SOUTHWEST L.A.	494	167	-66	49	62	14
MARIN	468	171	-63	36	17	-19
REEDLEY	1,186	522	-56	65	61	-4
L.A. HARBOR	1,030	417	-60	69	55	-14
MERRITT	274	178	-35	54	54	0
FEATHER RIVER	183	173	-5	56	45	-11
SISKIYOU	239	108	-55	52	49	-3
MORENO VALLEY	1,219	783	-36	51	50	-1
FRESNO CITY	3,084	2,193	-29	57	52	-4
L.A. MISSION	1,032	545	-47	55	54	-1
PALO VERDE	261	134	-49	22	18	-4
BARSTOW	329	224	-32	52	56	4
CONTRA COSTA	767	573	-25	51	47	-4
PORTERVILLE	598	384	-36	71	65	-6
L.A. VALLEY	1,804	1,072	-41	64	64	0
VICTOR VALLEY	1,707	1,100	-36	50	50	0
OXNARD	1,062	777	-27	62	57	-4
YUBA	709	450	-37	62	60	-2
LEMOORE	492	404	-18	69	67	-2
WEST L.A.	884	510	-42	55	60	6
SANTA ANA	1,028	1,078	5	75	68	-7
MT. SAN JACINTO	2,857	2,229	-22	61	58	-3
TAFT	583	400	-31	50	55	5
WOODLAND	508	437	-14	68	62	-7
L.A. TRADE-TECH	1,022	512	-50	26	29	2
CITRUS	1,523	1,061	-30	52	50	-2
COALINGA	391	329	-16	49	51	3
REDWOODS	736	443	-40	43	55	12
COLUMBIA	320	274	-14	51	43	-8
CABRILLO	1,359	1,119	-18	69	65	-4
NORCO	1,560	1,103	-29	40	41	1
SAN JOAQUIN DELTA	3,056	2,230	-27	44	45	1
SKYLINE	831	551	-34	61	68	7
MONTEREY	768	686	-11	65	61	-4
FOOTHILL	1,112	1,037	-7	43	34	-9
EAST L.A.	2,457	2,151	-12	54	68	14
MENDOCINO	342	232	-32	58	53	-5
DESERT	2,059	1,584	-23	68	66	-3
CLOVIS	1,293	989	-24	61	62	1
GLENDALE	1,249	503	-60	52	45	-8
BUTTE	1,912	1,713	-10	66	61	-4
SAN DIEGO MESA	1,442	1,283	-11	57	58	2
CANADA	579	556	-4	60	56	-3
MERCED	1,514	1,224	-19	66	66	0
LANEY	459	308	-33	32	37	6
SAN FRANCISCO CITY	1,929	2,258	17	50	41	-9

	Number of first-time degree/transfer-intending students			Share who took college composition in their first term (%)		
	2019	2020	Annual change, %	2019	2020	Annual change, pp
BERKELEY CITY	476	414	-13	50	51	1
SAN DIEGO CITY	908	857	-6	57	56	-1
LOS MEDANOS	1,592	1,155	-27	56	59	3
GROSSMONT	2,387	1,796	-25	60	63	3
CHAFFEY	3,081	1,979	-36	49	60	11
SANTA BARBARA CITY	2,419	2,164	-11	54	55	1
SEQUOIAS	2,507	2,146	-14	58	57	-1
ALAMEDA	423	349	-17	49	57	8
GAVILAN	639	301	-53	61	70	10
BAKERSFIELD	2,062	1,795	-13	41	51	10
L.A. PIERCE	2,406	1,628	-32	54	68	14
MODESTO	2,653	2,238	-16	51	59	8
VENTURA	1,729	1,450	-16	68	67	-1
WEST VALLEY	523	797	52	56	56	0
RIO HONDO	2,523	1,376	-45	58	67	9
FULLERTON	2,743	2,792	2	60	61	1
OHLONE	1,067	827	-22	66	70	4
MT. SAN ANTONIO	3,489	2,874	-18	53	56	3
ALLAN HANCOCK	893	799	-11	49	58	9
SANTIAGO CANYON	828	611	-26	71	74	4
PASADENA CITY	3,989	3,157	-21	67	72	5
MOORPARK	2,094	2,084	0	63	57	-6
EL CAMINO	1,516	2,554	68	55	71	17
SAN JOSE CITY	754	526	-30	42	45	3
ORANGE COAST	1,878	1,138	-39	57	57	0
AMERICAN RIVER	2,758	2,754	0	44	47	3
CUYAMACA	998	1,027	3	48	56	8
CERRITOS	1,883	2,052	9	53	69	16
CHABOT	1,590	1,276	-20	53	60	7
L.A. CITY	1,027	743	-28	40	45	6
DIABLO VALLEY	2,209	1,966	-11	56	58	2
SAN DIEGO MIRAMAR	1,185	701	-41	44	55	11
IRVINE VALLEY	1,920	1,476	-23	46	48	2
SOUTHWESTERN	2,732	2,308	-16	55	62	7
LONG BEACH CITY	3,997	3,489	-13	61	62	2
ANTELOPE VALLEY	1,531	886	-42	55	70	14
SHASTA	511	518	1	52	51	-2
SACRAMENTO CITY	2,318	1,908	-18	43	48	5
SANTA MONICA	5,019	3,998	-20	61	64	3
LAKE TAHOE	168	236	40	33	38	5
HARTNELL	1,240	1,317	6	71	67	-5
NAPA VALLEY	683	656	-4	62	62	0
SANTA ROSA	1,544	1,763	14	61	63	2
SIERRA	2,793	2,665	-5	62	62	0
CUESTA	1,400	1,205	-14	59	56	-3
PALOMAR	3,002	2,453	-18	45	48	3
COASTLINE	242	238	-2	24	26	3
CERRO COSO	437	423	-3	30	26	-4



	Number of first-time degree/transfer-intending students			Share who took college composition in their first term (%)		
	2019	2020	Annual change, %	2019	2020	Annual change, pp
RIVERSIDE	3,301	2,969	-10	47	46	-1
LAS POSITAS	1,103	1,029	-7	67	71	4
EVERGREEN VALLEY	1,447	1,068	-26	47	62	15
MISSION	411	592	44	49	48	-1
SAN MATEO	1,061	789	-26	55	59	4
SADDLEBACK	2,245	1,874	-17	62	63	1
COSUMNES RIVER	2,270	2,014	-11	47	52	4
CYPRESS	1,684	1,698	1	60	61	1
GOLDEN WEST	1,210	851	-30	66	69	3
SAN BERNARDINO	2,356	1,572	-33	41	62	20
IMPERIAL VALLEY	470	673	43	45	63	18
DE ANZA	3,147	2,754	-12	45	50	6
MIRA COSTA	1,622	1,507	-7	57	58	1
LASSEN	173	122	-29	36	49	13
CRAFTON HILLS	1,018	990	-3	56	67	12
FOLSOM LAKE	1,378	1,079	-22	48	54	7
CANYONS	1,634	1,719	5	63	69	6
SOLANO	1,174	1,081	-8	56	61	5
<b>Total</b>	<b>165,350</b>	<b>135,449</b>	<b>-18</b>	<b>55</b>	<b>58</b>	<b>3</b>

SOURCE: Authors' calculation using MIS data.

NOTES: Fall of each year. Sorted by the annual change between 2019 and 2020 in the number of first-time English students (same order as on Table B1). This table excludes Madera College which started in 2020 and Cooper Mountain which data was unavailable in the MIS.

**TABLE B3**

Racial distribution of first-time English students

	Number of first-time English students					Distribution (%)				
	2018	2019	2020	Annual change 2018-19, %	Annual change 2019-20, %	2018	2019	2020	Annual change 2018-19, pp	Annual change 2019-20, pp
Latino	88,689	90,268	75,102	2	-17	54	55	53	0	-2
White	35,398	30,854	30,156	-13	-2	22	19	21	-3	3
Asian	19,066	18,711	15,905	-2	-15	12	11	11	0	0
Black	8,441	8,217	6,543	-3	-20	5	5	5	0	0
<b>Total</b>	<b>163,295</b>	<b>165,351</b>	<b>141,976</b>	<b>1</b>	<b>-14</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>0</b>

SOURCE: Authors' calculation using MIS data. Pp stands for percentage points.

**TABLE B4**

Share of first-time English students starting directly in college composition, %

College Name	Share of first-time English students starting directly in college composition (%)					Number of first-time English students starting in a remedial course				
	2018	2019	2020	Annual change 2018-19, pp	Annual change 2019-20, pp	2018	2019	2020	Annual change 2018-19, %	Annual change 2019-20 %
AMERICAN RIVER	85	100	100	15	0	289	0	0	n.a.	n.a.
BARSTOW	44	99	100	55	1	212	3	0	-99	n.a.
BERKELEY CITY	77	100	100	23	0	121	0	0	n.a.	n.a.
BUTTE	79	100	100	21	0	311	0	0	n.a.	n.a.
CANADA	83	99	100	16	1	90	4	0	-96	n.a.
CANYONS	78	100	100	22	0	500	0	0	n.a.	n.a.
CLOVIS	71	100	100	29	0	302	0	0	n.a.	n.a.
COALINGA	85	100	100	15	0	74	0	0	n.a.	n.a.
COASTLINE	79	100	100	21	0	126	0	0	n.a.	n.a.
COLUMBIA	70	100	100	30	0	85	0	0	n.a.	n.a.
CONTRA COSTA	55	100	100	45	0	318	0	0	n.a.	n.a.
CUYAMACA	88	100	100	12	0	80	0	0	n.a.	n.a.
EAST L.A.	57	100	100	43	0	1,224	0	0	n.a.	n.a.
FRESNO CITY	60	99	100	39	1	1,165	25	0	-98	n.a.
FULLERTON	77	100	100	23	0	698	0	0	n.a.	n.a.
GOLDEN WEST	73	100	100	27	0	400	0	0	n.a.	n.a.
GROSSMONT	77	99	100	22	1	529	29	0	-95	n.a.
IRVINE VALLEY	81	99	100	18	1	254	16	0	-94	n.a.
L.A. VALLEY	63	100	100	37	0	724	0	0	n.a.	n.a.
LAKE TAHOE	69	91	100	22	9	56	18	0	-68	n.a.
LEMOORE	71	100	100	29	0	206	0	0	n.a.	n.a.
MORENO VALLEY	87	100	100	13	0	178	0	0	n.a.	n.a.
NORCO	84	97	100	13	3	175	34	0	-81	n.a.
PALOMAR	74	100	100	26	0	712	0	0	n.a.	n.a.
PASADENA CITY	75	100	100	25	0	980	0	0	n.a.	n.a.
PORTERVILLE	60	100	100	40	0	310	0	0	n.a.	n.a.
REDWOODS	74	100	100	26	0	139	0	0	n.a.	n.a.
REEDLEY	59	100	100	41	0	628	5	0	-99	n.a.
SACRAMENTO CITY	76	100	100	24	0	407	0	0	n.a.	n.a.
SAN JOAQUIN DELTA	74	99	100	25	1	645	34	0	-95	n.a.
SAN MATEO	94	100	100	6	0	57	0	0	n.a.	n.a.
SANTA ANA	70	100	100	30	0	673	0	0	n.a.	n.a.
SANTIAGO CANYON	84	100	100	16	0	200	0	0	n.a.	n.a.
SEQUIOIAS	41	100	100	59	0	1,230	0	0	n.a.	n.a.
SISKIYOU	81	100	100	19	0	46	0	0	n.a.	n.a.
SKYLINE	95	100	100	5	0	43	0	0	n.a.	n.a.
SOLANO	90	98	100	9	2	109	17	0	-84	n.a.
SOUTHWEST L.A.	35	97	100	63	3	311	19	0	-94	n.a.
VICTOR VALLEY	17	97	100	80	3	1,340	48	0	-96	n.a.
WEST L.A.	94	100	100	6	0	44	0	0	n.a.	n.a.
DIABLO VALLEY	61	98	100	38	1	987	41	10	-96	-76
CRAFTON HILLS	46	97	99	50	3	478	31	15	-94	-52
SANTA MONICA	94	99	99	5	0	228	49	34	-79	-31
CABRILLO	88	97	99	9	2	145	48	11	-67	-77
CERRITOS	74	97	99	23	2	670	83	30	-88	-64

College Name	Share of first-time English students starting directly in college composition (%)					Number of first-time English students starting in a remedial course				
	2018	2019	2020	Annual change 2018-19, pp	Annual change 2019-20, pp	2018	2019	2020	Annual change 2018-19, %	Annual change 2019-20 %
BAKERSFIELD	80	99	99	19	0	687	41	33	-94	-20
SAN BERNARDINO	23	96	99	73	3	1,042	59	18	-94	-69
SANTA BARBARA CITY	82	100	99	18	-1	294	n.d.	20	n.d.	n.d.
SIERRA	76	99	99	23	0	622	34	30	-95	-12
ALLAN HANCOCK	73	98	98	25	0	422	24	19	-94	-21
MT. SAN JACINTO	83	97	98	13	2	419	88	31	-79	-65
MADERA	n.a.	n.a.	98	n.a	n.a	0	0	6	n.a.	n.a.
WOODLAND	66	99	98	33	0	152	7	6	-95	-14
FOOTHILL	80	94	98	13	5	148	51	11	-66	-78
LAS POSITAS	81	96	98	15	2	217	43	20	-80	-53
RIO HONDO	69	97	98	28	1	603	56	32	-91	-43
MT. SAN ANTONIO	96	98	98	3	0	143	68	61	-52	-10
CITRUS	100	99	98	-1	-1	0	22	23	n.a.	5
YUBA	63	97	98	34	1	308	25	11	-92	-56
MONTEREY	32	97	98	65	1	516	23	14	-96	-39
L.A. MISSION	35	98	98	63	0	615	21	12	-97	-43
MISSION	43	91	98	48	7	297	48	11	-84	-77
MODESTO	68	94	98	26	3	697	137	49	-80	-64
VENTURA	81	97	98	16	1	312	57	35	-82	-39
SAN FRANCISCO CITY	53	97	97	44	0	954	48	43	-95	-10
EVERGREEN VALLEY	56	85	97	29	12	572	156	29	-73	-81
MIRA COSTA	87	98	97	11	-1	214	38	48	-82	26
SADDLEBACK	64	95	97	31	2	776	112	66	-86	-41
WEST VALLEY	49	96	97	47	1	428	40	25	-91	-38
HARTNELL	61	96	97	35	1	553	57	42	-90	-26
CERRO COSO	44	94	97	51	2	201	20	11	-90	-45
COMPTON	23	84	97	61	12	431	78	7	-82	-91
FOLSOM LAKE	84	99	97	15	-3	166	7	37	-96	429
GLENDALE	87	92	96	5	4	223	128	50	-43	-61
RIVERSIDE	79	98	96	19	-1	517	57	89	-89	56
SHASTA	77	90	96	12	7	200	80	26	-60	-68
SAN DIEGO MIRAMAR	61	93	96	32	3	376	67	35	-82	-48
COSUMNES RIVER	85	96	96	10	0	216	65	62	-70	-5
ORANGE COAST	74	94	95	20	1	651	138	97	-79	-30
L.A. HARBOR	65	93	95	28	2	359	75	29	-79	-61
SAN DIEGO MESA	81	94	95	13	1	381	113	82	-70	-27
CHAFFEY	63	73	95	10	22	1,080	721	115	-33	-84
SAN JOSE CITY	49	89	95	39	6	384	81	33	-79	-59
EL CAMINO	50	96	95	46	-1	1,751	135	153	-92	13
SANTA ROSA	54	94	95	41	0	952	112	104	-88	-7
MERCED	73	96	94	23	-2	442	65	85	-85	31
ANTELOPE VALLEY	46	93	94	47	1	898	129	97	-86	-25
CYPRESS	61	93	94	32	1	763	130	106	-83	-18
MERRITT	59	92	94	33	2	137	32	14	-77	-56
GAVILAN	66	83	94	17	11	238	115	35	-52	-70
ALAMEDA	74	89	94	16	4	87	30	16	-66	-47
TAFT	75	85	93	10	8	122	68	23	-44	-66

College Name	Share of first-time English students starting directly in college composition (%)					Number of first-time English students starting in a remedial course				
	2018	2019	2020	Annual change 2018-19, pp	Annual change 2019-20, pp	2018	2019	2020	Annual change 2018-19, %	Annual change 2019-20 %
L.A. CITY	45	93	93	49	-1	764	86	97	-89	13
LONG BEACH CITY	40	69	92	30	23	1,905	1,060	241	-44	-77
SOUTHWESTERN	74	93	92	19	0	677	177	172	-74	-3
DE ANZA	64	92	92	28	0	751	169	163	-77	-4
MOORPARK	85	92	92	7	0	308	159	146	-48	-8
PALO VERDE	39	93	92	54	-1	115	20	14	-83	-30
L.A. PIERCE	39	91	92	52	1	1,090	197	156	-82	-21
CUESTA	76	90	92	14	1	290	114	94	-61	-18
LANEY	63	96	91	33	-4	174	18	31	-90	72
DESERT	44	91	91	48	0	1,102	182	151	-83	-17
L.A. TRADE-TECH	58	84	91	26	7	338	101	46	-70	-54
LOS MEDANOS	86	94	91	8	-3	202	84	113	-58	35
SAN DIEGO CITY	60	92	90	31	-2	497	116	115	-77	-1
MENDOCINO	40	90	90	50	0	231	35	27	-85	-23
OHLONE	59	88	89	29	1	523	140	118	-73	-16
OXNARD	74	81	88	7	6	247	198	92	-20	-54
CHABOT	41	83	87	43	4	859	236	164	-73	-31
IMPERIAL VALLEY	47	82	86	35	4	499	191	144	-62	-25
LASSEN	53	86	81	34	-5	101	23	33	-77	43
NAPA VALLEY	26	86	80	60	-6	524	101	132	-81	31
FEATHER RIVER	79	78	78	-2	0	46	56	34	22	-39
MARIN	56	74	65	19	-9	202	99	47	-51	-53
COPPER MOUNTAIN	63	87	n.d.	24	n.a	104	26	0	-75	n.a.
<b>Total</b>	<b>68</b>	<b>95</b>	<b>97</b>	<b>27</b>	<b>2</b>	<b>51,510</b>	<b>7,767</b>	<b>4,431</b>	<b>-85</b>	<b>-43</b>

SOURCE: Authors' calculation using MIS data.

NOTE: Sorted in descending order by the share of first-time English students starting directly in college composition. Pp stands for percentage points.

**TABLE B5**

One-term throughput rate by race/ethnicity and racial/ethnic representation in successful completions

College Name	Throughput rate 2020 (%)				Proportionality Index 2020				2019 vs 2020	
	Asian	Black	Latino	White	Asian	Black	Latino	White	Change PI Black	Change PI Latino
EAST L.A.	84	56	48	62	1.60	1.07	0.91	1.18	0.37	-0.04
CUESTA	63	50	41	59	1.22	0.96	0.79	1.13	0.28	-0.06
SOLANO	74	62	60	65	1.16	0.98	0.94	1.02	0.26	-0.09
CONTRA COSTA	68	47	57	71	1.20	0.83	0.99	1.25	0.19	0.03
L.A. VALLEY	71	61	61	78	1.06	0.91	0.91	1.17	0.15	0.01
SOUTHWEST L.A.	50	49	51	100	1.01	1.00	1.02	2.03	0.15	-0.05
BERKELEY CITY	67	62	62	81	0.97	0.90	0.91	1.18	0.14	-0.06
SAN DIEGO CITY	63	62	54	70	1.08	1.06	0.92	1.18	0.14	-0.07
FRESNO CITY	58	37	46	58	1.20	0.77	0.95	1.20	0.14	-0.02
FULLERTON	80	61	59	71	1.25	0.96	0.93	1.11	0.14	-0.03
MIRA COSTA	78	67	63	73	1.14	0.98	0.93	1.08	0.12	0.02
PALO VERDE	75	35	42	58	1.66	0.77	0.94	1.28	0.12	-0.14
COASTLINE	76	74	77	83	0.96	0.94	0.98	1.05	0.12	0.12

College Name	Throughput rate 2020 (%)				Proportionality Index 2020				2019 vs 2020	
	Asian	Black	Latino	White	Asian	Black	Latino	White	Change PI Black	Change PI Latino
AMERICAN RIVER	74	55	57	69	1.16	0.87	0.89	1.07	0.11	-0.04
IRVINE VALLEY	82	65	57	79	1.12	0.89	0.78	1.08	0.10	-0.07
SOUTHWESTERN	66	55	59	65	1.09	0.91	0.98	1.08	0.10	-0.01
MT. SAN JACINTO	77	49	61	68	1.22	0.78	0.96	1.07	0.10	-0.01
PASADENA CITY	77	55	52	76	1.22	0.88	0.82	1.20	0.10	-0.07
LONG BEACH CITY	59	45	50	66	1.13	0.86	0.95	1.25	0.09	-0.01
SAN BERNARDINO	68	40	42	54	1.56	0.92	0.96	1.23	0.09	-0.01
VENTURA	74	50	60	69	1.19	0.80	0.97	1.11	0.09	0.01
FOOTHILL	82	61	65	84	1.09	0.81	0.87	1.13	0.08	-0.01
SAN FRANCISCO CITY	68	42	52	73	1.13	0.70	0.87	1.22	0.08	0.04
SACRAMENTO CITY	74	61	61	68	1.13	0.94	0.94	1.04	0.07	-0.03
GROSSMONT	73	61	64	71	1.09	0.92	0.96	1.07	0.07	0.03
GOLDEN WEST	80	55	62	77	1.14	0.78	0.88	1.09	0.06	-0.04
L.A. CITY	62	34	40	68	1.36	0.75	0.87	1.49	0.06	-0.06
LOS MEDANOS	75	54	54	69	1.26	0.92	0.91	1.17	0.06	-0.08
SIERRA	71	52	57	64	1.15	0.84	0.93	1.03	0.06	-0.01
SADDLEBACK	82	58	64	76	1.14	0.81	0.89	1.05	0.06	-0.06
RIVERSIDE	61	38	43	59	1.31	0.83	0.93	1.26	0.06	-0.05
LAS POSITAS	77	62	64	70	1.11	0.89	0.92	1.01	0.05	0.04
SANTA MONICA	74	51	53	76	1.21	0.83	0.86	1.24	0.05	-0.01
SEQUOIAS	51	44	46	53	1.07	0.93	0.97	1.10	0.05	0.00
L.A. HARBOR	64	40	48	76	1.29	0.80	0.97	1.52	0.05	-0.01
COMPTON	67	34	41	0	1.71	0.87	1.04	0.00	0.04	-0.01
CERRO COSO	100	53	53	70	1.65	0.87	0.88	1.16	0.04	-0.07
MT. SAN ANTONIO	74	39	51	61	1.32	0.69	0.92	1.09	0.04	-0.01
GLENDALE	80	58	51	78	1.20	0.86	0.77	1.16	0.03	0.02
L.A. TRADE-TECH	60	33	49	70	1.23	0.68	1.00	1.44	0.03	-0.06
SAN DIEGO MESA	71	57	63	74	1.06	0.85	0.94	1.11	0.02	0.00
BUTTE	56	36	51	66	0.96	0.61	0.87	1.13	0.02	-0.05
MOORPARK	80	53	57	70	1.22	0.81	0.88	1.06	0.01	-0.05
COSUMNES RIVER	72	50	58	63	1.14	0.79	0.92	1.00	0.01	-0.05
CHAFFEY	68	42	53	69	1.22	0.76	0.97	1.24	0.01	0.02
PALOMAR	73	66	59	70	1.14	1.03	0.92	1.09	0.01	0.01
DE ANZA	82	56	59	77	1.13	0.77	0.82	1.07	0.00	-0.03
CERRITOS	76	49	53	60	1.37	0.89	0.97	1.08	0.00	-0.01
OHLONE	73	43	63	72	1.08	0.63	0.93	1.06	0.00	-0.08
CITRUS	76	37	54	66	1.32	0.64	0.93	1.14	-0.02	-0.04
MORENO VALLEY	74	46	56	67	1.31	0.82	1.00	1.18	-0.03	-0.01
WEST L.A.	89	49	57	81	1.46	0.80	0.93	1.32	-0.03	-0.01
EL CAMINO	77	44	52	65	1.36	0.78	0.91	1.13	-0.05	0.05
WEST VALLEY	86	55	64	71	1.23	0.78	0.91	1.02	-0.06	0.02
CHABOT	65	54	48	64	1.18	0.98	0.86	1.16	-0.07	-0.08

College Name	Throughput rate 2020 (%)				Proportionality Index 2020				2019 vs 2020	
	Asian	Black	Latino	White	Asian	Black	Latino	White	Change PI Black	Change PI Latino
ANTELOPE VALLEY	78	40	61	73	1.27	0.66	0.99	1.19	-0.07	-0.01
CANYONS	83	47	61	73	1.26	0.71	0.93	1.11	-0.07	-0.02
DESERT	70	31	52	60	1.32	0.59	0.99	1.14	-0.07	0.00
LANEY	79	48	55	58	1.30	0.78	0.91	0.96	-0.09	-0.08
SAN JOAQUIN DELTA	73	40	60	66	1.16	0.64	0.96	1.05	-0.09	0.03
LASSEN	33	17	45	52	0.78	0.39	1.06	1.22	-0.09	0.08
BARSTOW	80	45	57	76	1.32	0.75	0.94	1.26	-0.10	-0.08
BAKERSFIELD	58	26	33	50	1.57	0.71	0.89	1.35	-0.10	-0.01
MERRITT	74	50	68	79	1.12	0.76	1.03	1.19	-0.11	0.12
CYPRESS	78	51	59	70	1.19	0.77	0.90	1.06	-0.11	-0.01
SAN JOSE CITY	82	38	45	80	1.48	0.69	0.81	1.44	-0.12	-0.05
DIABLO VALLEY	72	45	64	71	1.02	0.65	0.92	1.02	-0.13	0.00
ORANGE COAST	68	46	57	73	1.04	0.70	0.87	1.11	-0.13	0.04
LEMOORE	88	55	59	63	1.45	0.90	0.97	1.04	-0.13	0.02
MODESTO	58	29	46	57	1.17	0.59	0.92	1.15	-0.13	-0.03
MERCED	51	29	41	54	1.20	0.68	0.95	1.27	-0.14	0.01
VICTOR VALLEY	63	30	50	63	1.22	0.59	0.98	1.23	-0.18	0.00
L.A. PIERCE	71	46	49	68	1.26	0.82	0.87	1.21	-0.18	-0.04
SANTA ROSA	76	43	52	65	1.30	0.74	0.89	1.11	-0.19	-0.01
CUYAMACA	88	46	57	75	1.30	0.69	0.85	1.12	-0.20	-0.09
SAN DIEGO MIRAMAR	75	50	67	73	1.06	0.70	0.94	1.02	-0.23	-0.02
FOLSOM LAKE	77	43	57	64	1.24	0.69	0.92	1.03	-0.23	-0.01
SANTA BARBARA CITY	73	43	55	72	1.14	0.68	0.87	1.13	-0.24	0.02
NORCO	72	37	49	49	1.44	0.74	0.98	0.99	-0.27	0.01
NAPA VALLEY	69	33	51	58	1.26	0.61	0.94	1.06	-0.29	0.04
MONTEREY	54	23	46	56	1.11	0.47	0.94	1.14	-0.34	0.08
ALAMEDA	78	35	47	71	1.36	0.62	0.83	1.24	-0.34	-0.06
SHASTA	53	5	52	51	1.06	0.10	1.04	1.03	-0.65	0.05
RIO HONDO	67	15	51	59	1.31	0.29	0.99	1.15	-0.86	0.01
CLOVIS	69	47	55	67	1.15	n.a.	0.91	1.12	n.a.	-0.05
CRAFTON HILLS	77	56	61	73	1.19	n.a.	0.94	1.13	n.a.	0.03
SAN MATEO	81	56	67	79	1.10	n.a.	0.91	1.07	n.a.	0.04
EVERGREEN VALLEY	76	56	52	67	1.24	n.a.	0.86	1.09	n.a.	-0.04
SKYLINE	82	44	66	79	1.11	n.a.	0.91	1.07	n.a.	0.09
ALLAN HANCOCK	69	40	52	59	1.29	n.a.	0.97	1.11	n.a.	0.02
REDWOODS	76	53	55	56	1.33	n.a.	0.96	0.98	n.a.	0.07
YUBA	67	77	55	60	1.16	n.a.	0.94	1.03	n.a.	-0.05
MISSION	76	67	65	80	1.06	n.a.	0.91	1.13	n.a.	-0.02
REEDLEY	19	0	36	48	0.51	n.a.	0.99	1.31	n.a.	0.05
SANTIAGO CANYON	77	75	60	72	1.17	n.a.	0.90	1.10	n.a.	-0.03
FEATHER RIVER	50	9	37	58	1.06	n.a.	0.79	1.23	n.a.	-0.12
SANTA ANA	74	73	44	65	1.53	n.a.	0.91	1.35	n.a.	-0.03
HARTNELL	70	40	51	58	1.40	n.a.	1.02	1.15	n.a.	0.05
OXNARD	58	40	49	63	1.16	n.a.	0.97	1.27	n.a.	0.00
COALINGA	67	44	51	71	1.20	n.a.	0.93	1.27	n.a.	-0.06
GAVILAN	63	33	50	53	1.26	n.a.	0.99	1.07	n.a.	0.09

College Name	Throughput rate 2020 (%)				Proportionality Index 2020				2019 vs 2020	
	Asian	Black	Latino	White	Asian	Black	Latino	White	Change PI Black	Change PI Latino
LAKE TAHOE	50	89	69	73	0.69	n.a.	0.96	1.01	n.a.	-0.05
CABRILLO	92	86	57	70	1.47	n.a.	0.91	1.11	n.a.	-0.02
TAFT	63	29	41	61	1.33	n.a.	0.88	1.30	n.a.	-0.05
WOODLAND	76	29	54	56	1.36	n.a.	0.98	1.01	n.a.	-0.01
CANADA	88	50	64	88	1.19	n.a.	0.87	1.19	n.a.	-0.05
L.A. MISSION	71	50	48	67	1.43	n.a.	0.95	1.33	n.a.	0.01
MADERA	64	50	49	60	1.27	n.a.	0.97	1.20	n.a.	0.97
IMPERIAL VALLEY	75	20	51	54	1.48	n.a.	1.00	1.06	n.a.	0.01
MENDOCINO	18	40	60	52	0.33	n.a.	1.10	0.95	n.a.	0.08
SISKIYOU	0	40	64	62	0.00	n.a.	1.04	1.01	n.a.	0.00
COLUMBIA	80	50	60	63	1.28	n.a.	0.96	1.00	n.a.	0.05
PORTERVILLE	55	0	47	50	1.17	n.a.	1.00	1.07	n.a.	0.02
MARIN	17	100	32	55	0.38	n.a.	0.72	1.25	n.a.	-0.15
<b>Total</b>	<b>74</b>	<b>47</b>	<b>53</b>	<b>68</b>	<b>1.25</b>	<b>0.80</b>	<b>0.90</b>	<b>1.15</b>	<b>0.02</b>	<b>-0.02</b>

SOURCE: Authors' calculation using MIS data.

NOTE: .PI stands for Proportionality Index. Sort by the change between fall 2019 and fall 2020 in the proportionality index for Blacks.

**TABLE B6**

College composition one-term throughput rate (%)

College Name	One-term throughput rate (%)				
	2018	2019	2020	Annual change 2018-19, pp	Annual change 2019-20, pp
SOUTHWEST L.A.	19	34	49	15	15
MISSION	34	61	71	27	11
SAN MATEO	67	65	73	-2	8
WEST VALLEY	39	61	70	23	8
CANADA	55	66	74	11	8
LONG BEACH CITY	25	45	53	20	8
MERRITT	41	58	66	18	8
ORANGE COAST	48	58	65	10	7
WEST L.A.	58	55	61	-4	6
CHAFFEY	44	49	55	5	6
FOOTHILL	62	68	75	7	6
LAKE TAHOE	51	66	72	15	6
GAVILAN	39	44	50	5	6
YUBA	47	52	58	6	6
L.A. TRADE-TECH	37	43	49	6	6
L.A. VALLEY	44	62	67	17	5
IMPERIAL VALLEY	33	46	51	13	5
COASTLINE	66	74	78	9	4
SAN JOSE CITY	33	51	55	19	4
EVERGREEN VALLEY	39	58	61	18	4
OHLONE	48	65	68	17	3
CHABOT	31	52	55	21	3
PALO VERDE	20	42	45	22	3

College Name	One-term throughput rate (%)				
	2018	2019	2020	Annual change 2018-19, pp	Annual change 2019-20, pp
CABRILLO	63	60	63	-3	3
GLENDALE	64	64	67	0	2
SKYLINE	67	71	73	4	2
COMPTON	14	37	39	23	2
SAN FRANCISCO CITY	36	58	60	22	2
SAN JOAQUIN DELTA	47	61	63	14	2
BERKELEY CITY	56	68	69	12	1
MT. SAN JACINTO	53	62	63	10	1
CONTRA COSTA	31	56	57	25	1
FEATHER RIVER	63	46	47	-17	1
GOLDEN WEST	55	70	70	15	1
L.A. MISSION	23	50	50	26	0
CYPRESS	46	65	66	20	0
SISKIYOU	56	61	61	5	0
LANEY	46	61	61	14	0
SANTIAGO CANYON	58	66	66	8	0
SHASTA	48	50	50	2	-1
L.A. PIERCE	29	57	56	28	-1
LAS POSITAS	63	70	69	7	-1
ANTELOPE VALLEY	35	62	61	27	-1
IRVINE VALLEY	66	74	73	8	-1
ALAMEDA	45	58	57	13	-1
AMERICAN RIVER	58	65	64	7	-1
NAPA VALLEY	21	56	55	35	-1
SOLANO	64	65	63	1	-1
SANTA ANA	40	50	48	11	-2
EAST L.A.	33	55	53	22	-2
MOORPARK	65	68	65	2	-2
L.A. CITY	31	48	45	17	-2
PASADENA CITY	56	66	63	10	-2
MIRA COSTA	64	70	68	7	-2
BARSTOW	34	63	61	29	-3
GROSSMONT	57	69	67	12	-3
CERRO COSO	29	63	60	34	-3
DIABLO VALLEY	49	73	70	24	-3
DESERT	29	56	53	27	-3
DE ANZA	54	75	72	21	-3
TAFT	46	50	47	4	-3
COALINGA	63	59	56	-4	-3
VICTOR VALLEY	13	54	51	41	-3
SAN DIEGO MIRAMAR	51	74	71	23	-3
OXNARD	52	53	50	1	-3
SAN DIEGO MESA	58	71	67	12	-3
LOS MEDANOS	59	63	59	4	-4
SANTA MONICA	65	65	62	0	-4
MODESTO	41	54	50	13	-4
COSUMNES RIVER	59	67	63	8	-4
SADDLEBACK	53	76	72	23	-4



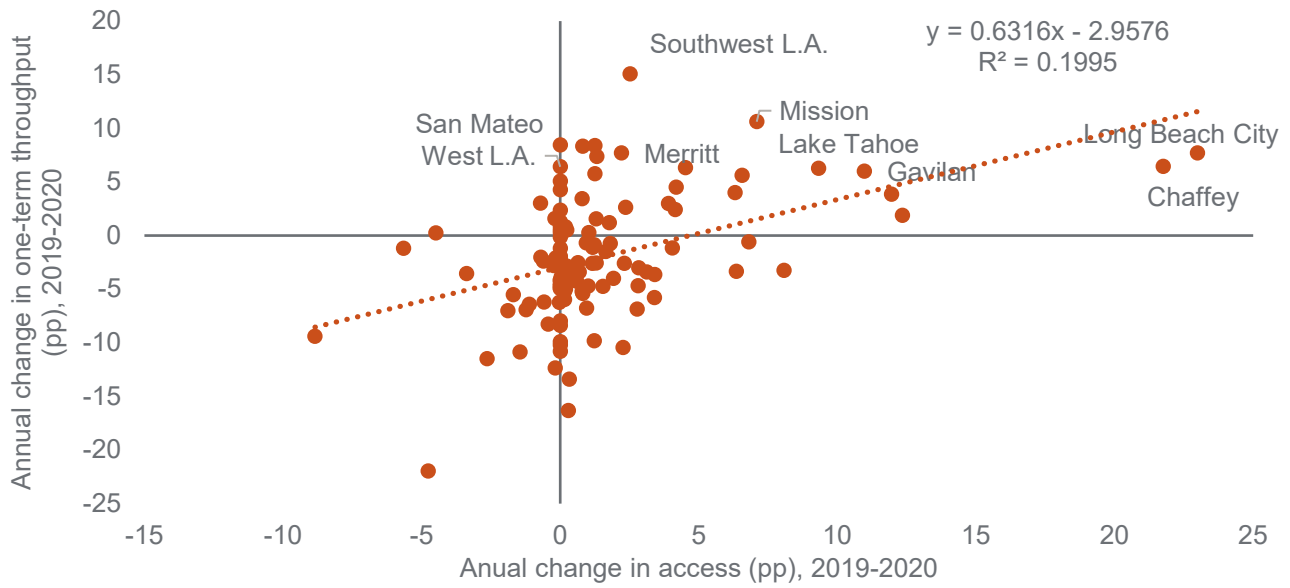
College Name	One-term throughput rate (%)				
	2018	2019	2020	Annual change 2018-19, pp	Annual change 2019-20, pp
FULLERTON	54	68	64	14	-4
COLUMBIA	45	67	63	21	-4
MONTEREY	23	53	49	30	-4
CANYONS	58	70	66	12	-4
SIERRA	54	66	62	12	-4
SANTA ROSA	40	63	58	23	-5
CUYAMACA	68	72	67	3	-5
PALOMAR	52	69	64	16	-5
VENTURA	58	67	62	9	-5
CERRITOS	49	60	55	11	-5
SACRAMENTO CITY	54	70	65	16	-5
CLOVIS	51	65	60	14	-5
CRAFTON HILLS	35	69	64	34	-5
ALLAN HANCOCK	48	58	53	11	-5
FRESNO CITY	36	53	48	17	-5
BAKERSFIELD	36	42	37	6	-5
HARTNELL	38	56	50	18	-5
SAN DIEGO CITY	45	64	59	19	-6
LEMOORE	47	66	60	19	-6
NORCO	52	55	50	3	-6
CITRUS	64	64	58	0	-6
MT. SAN ANTONIO	60	62	56	2	-6
EL CAMINO	38	63	57	25	-6
RIO HONDO	42	58	51	15	-7
SAN BERNARDINO	14	51	44	37	-7
SANTA BARBARA CITY	60	71	64	11	-7
MERCED	42	50	43	8	-7
BUTTE	66	66	58	1	-8
SOUTHWESTERN	53	69	60	15	-8
PORTERVILLE	45	55	47	11	-9
MARIN	40	54	44	14	-9
CUESTA	51	62	52	11	-10
REDWOODS	43	67	57	24	-10
MORENO VALLEY	54	67	56	12	-10
L.A. HARBOR	46	60	50	14	-10
SEQUOIAS	28	59	48	31	-11
RIVERSIDE	46	57	46	12	-11
FOLSOM LAKE	61	74	62	13	-12
WOODLAND	47	68	56	21	-12
REEDLEY	33	50	36	17	-13
MENDOCINO	32	71	54	38	-16
LASSEN	39	65	43	26	-22
COPPER MOUNTAIN	45	57	n.d	12	n.d
MADERA	n.a	n.a	50	n.a	n.a
<b>Total</b>	<b>47</b>	<b>61</b>	<b>59</b>	<b>14</b>	<b>-2</b>

SOURCE: Authors' calculation using MIS data.

NOTE: Sort by the change between fall 2019 and fall 2020 in one-term throughput rates. Pp stands for percentage points.

**FIGURE B4**

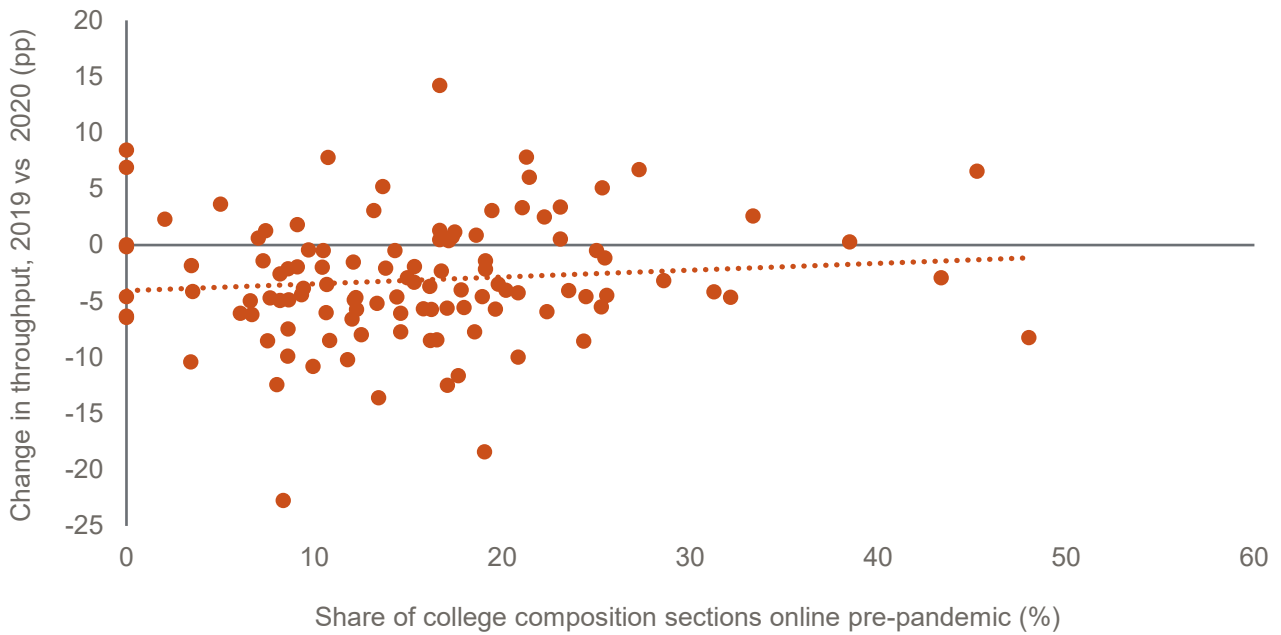
Change in access versus change in throughput



SOURCE: Authors' calculation using MIS data.

**FIGURE B5**

Share of college composition sections online versus change in one-term throughput



SOURCE: Authors' calculation using MIS data.

NOTES: The calculation of the change in one-term throughput is restricted to students who started in a transfer-level course. Excluded are Coastline (outlier), Madera and Copper Mountain.

**TABLE B8**

Number of students starting in standalone college composition and corequisite models

College Name	College composition without support			College composition with corequisite support			Share of students in corequisite models (%)		
	2019	2020	Annual change, %	2019	2020	Annual change, %	2019	2020	Annual change, %
FRESNO CITY	1,928	1,025	-47	1,234	986	-20	39	49	10
CUYAMACA	411	335	-18	307	312	2	43	48	5
LOS MEDANOS	592	519	-12	739	581	-21	52	48	-4
CITRUS	838	606	-28	662	539	-19	43	46	3
WOODLAND	306	200	-35	155	152	-2	33	42	9
SKYLINE	409	369	-10	406	272	-33	50	42	-7
SAN BERNARDINO	811	855	5	636	611	-4	42	41	-1
SAN MATEO	416	479	15	431	332	-23	51	41	-10
AMERICAN RIVER	1,097	1,117	2	959	734	-23	47	40	-7
COALINGA	184	169	-8	177	109	-38	49	39	-10
EL CAMINO	1,961	1,608	-18	1,113	1,113	0	35	39	4
SAN FRANCISCO CITY	1,097	908	-17	648	550	-15	36	37	1
FOLSOM LAKE	569	666	17	377	336	-11	40	32	-7
DE ANZA	1,368	1,273	-7	580	672	16	27	32	4
SACRAMENTO CITY	1,142	1,058	-7	524	484	-8	31	31	0
REDWOODS	376	293	-22	173	131	-24	32	31	-1
NORCO	655	543	-17	310	238	-23	31	30	-1
LONG BEACH CITY	1,764	1,998	13	640	949	48	18	30	11
RIO HONDO	1,464	1,246	-15	540	539	0	26	30	3
MERCED	1,319	925	-30	338	421	25	20	29	10
SAN DIEGO CITY	740	694	-6	500	330	-34	37	29	-8
CONTRA COSTA	474	322	-32	211	130	-38	31	29	-2
MENDOCINO	205	162	-21	94	76	-19	28	29	1
SANTA MONICA	2,954	2,813	-5	1,276	1,119	-12	30	28	-2
LEMOORE	487	334	-31	152	128	-16	24	28	4
PALOMAR	1,906	1,695	-11	580	634	9	23	27	4
MODESTO	1,611	1,494	-7	663	573	-14	27	27	0
PORTERVILLE	496	330	-33	177	119	-33	26	27	0
COLUMBIA	197	147	-25	61	53	-13	24	27	3
CLOVIS	865	683	-21	261	240	-8	23	26	3
SAN JOAQUIN DELTA	2,038	1,522	-25	538	529	-2	21	26	5
OHLONE	816	666	-18	224	261	17	19	25	6
NAPA VALLEY	430	373	-13	191	167	-13	26	25	-2
MISSION	332	360	8	135	122	-10	26	25	-1
CRAFTON HILLS	465	641	38	316	208	-34	39	24	-15
VICTOR VALLEY	1,227	877	-29	387	277	-28	23	24	1
IMPERIAL VALLEY	618	661	7	259	252	-3	24	24	0
MERRITT	224	159	-29	126	54	-57	33	24	-9
COSUMNES RIVER	1,166	1,090	-7	332	355	7	21	24	2
ALAMEDA	197	174	-12	58	57	-2	20	23	3
IRVINE VALLEY	810	972	20	547	286	-48	40	23	-17
LANEY	289	246	-15	122	80	-34	28	22	-6
SANTIAGO CANYON	1,085	951	-12	280	267	-5	21	22	1
LAKE TAHOE	136	140	3	39	39	0	20	22	2
PALO VERDE	204	122	-40	47	37	-21	17	21	4
CANADA	386	319	-17	100	86	-14	20	21	1

College Name	College composition without support			College composition with corequisite support			Share of students in corequisite models (%)		
	2019	2020	Annual change, %	2019	2020	Annual change, %	2019	2020	Annual change, %
GROSSMONT	1,768	1,524	-14	444	399	-10	20	21	1
BUTTE	1,396	1,093	-22	277	285	3	17	21	4
MONTEREY	621	531	-14	229	142	-38	26	21	-6
SEQUOIAS	1,580	1,310	-17	329	339	3	17	21	3
EVERGREEN VALLEY	711	771	8	185	207	12	18	21	3
FULLERTON	2,517	2,224	-12	624	550	-12	20	20	0
ALLAN HANCOCK	1,059	967	-9	299	243	-19	22	20	-2
L.A. MISSION	793	453	-43	95	113	19	10	20	9
GOLDEN WEST	1,176	1,157	-2	285	276	-3	20	19	0
HARTNELL	994	1,063	7	408	252	-38	28	19	-9
BERKELEY CITY	378	325	-14	98	74	-24	21	19	-2
SOUTHWESTERN	1,837	1,671	-9	451	418	-7	18	18	0
FOOTHILL	514	519	1	256	120	-53	31	18	-13
MT. SAN ANTONIO	2,667	2,497	-6	793	568	-28	22	18	-4
SAN DIEGO MIRAMAR	652	660	1	202	144	-29	22	17	-5
RIVERSIDE	2,049	1,927	-6	463	411	-11	18	17	-1
SANTA ROSA	1,650	1,478	-10	269	315	17	13	17	3
CABRILLO	1,047	916	-13	338	184	-46	24	17	-7
BAKERSFIELD	2,785	2,346	-16	426	466	9	13	16	3
REEDLEY	1,163	512	-56	350	99	-72	23	16	-7
SAN JOSE CITY	494	511	3	144	100	-31	20	16	-4
SAN DIEGO MESA	1,553	1,328	-14	354	259	-27	18	16	-2
SANTA ANA	1,915	1,380	-28	314	235	-25	14	15	0
GAVILAN	448	445	-1	83	80	-4	13	14	1
GLENDALE	1,195	1,115	-7	328	194	-41	20	14	-6
CERRITOS	1,942	2,463	27	1,199	413	-66	37	14	-23
CUESTA	988	863	-13	88	157	78	7	14	7
SHASTA	545	582	7	138	98	-29	18	14	-4
DIABLO VALLEY	2,077	2,025	-3	480	328	-32	18	14	-5
MT. SAN JACINTO	2,296	1,658	-28	236	238	1	9	12	3
SIERRA	2,050	2,059	0	461	293	-36	18	12	-6
EAST L.A.	2,588	2,123	-18	464	296	-36	15	12	-3
LAS POSITAS	988	1,005	2	190	140	-26	16	12	-4
OXNARD	673	571	-15	192	84	-56	18	11	-7
CERRO COSO	297	290	-2	43	38	-12	12	11	-1
SISKIYOU	182	124	-32	48	15	-69	21	11	-10
L.A. CITY	966	932	-4	208	117	-44	17	10	-6
WEST VALLEY	804	711	-12	85	83	-2	9	10	1
CYPRESS	1,624	1,513	-7	95	177	86	5	10	5
SADDLEBACK	1,836	1,937	6	313	174	-44	14	8	-6
MIRA COSTA	1,417	1,437	1	122	107	-12	8	7	-1
L.A. HARBOR	741	543	-27	249	35	-86	23	6	-18
MARIN	237	82	-65	49	7	-86	13	5	-8
WEST L.A.	894	664	-26	70	34	-51	7	5	-2
SANTA BARBARA CITY	1,889	1,532	-19	0	78	n.a.	0	5	5
L.A. TRADE-TECH	385	424	10	157	23	-85	24	5	-20
L.A. VALLEY	1,865	1,279	-31	126	61	-52	6	5	-2
BARSTOW	429	294	-31	37	13	-65	8	4	-4

College Name	College composition without support			College composition with corequisite support			Share of students in corequisite models (%)		
	2019	2020	Annual change, %	2019	2020	Annual change, %	2019	2020	Annual change, %
COMPTON	233	202	-13	189	6	-97	38	3	-35
COASTLINE	511	497	-3	32	14	-56	6	3	-3
L.A. PIERCE	1,919	1,715	-11	48	28	-42	2	1	-1
ANTELOPE VALLEY	1,678	1,572	-6	0	0	n.a.	0	0	0
CANYONS	2,105	2,351	12	0	0	n.a.	0	0	0
CHABOT	1,160	1,103	-5	0	0	n.a.	0	0	0
CHAFFEY	1,979	2,211	12	0	0	n.a.	0	0	0
DESERT	1,915	1,532	-20	0	0	n.a.	0	0	0
FEATHER RIVER	193	115	-40	0	0	n.a.	0	0	0
LASSEN	145	145	0	0	0	n.a.	0	0	0
MOORPARK	1,851	1,653	-11	0	0	n.a.	0	0	0
MORENO VALLEY	1,039	822	-21	273	0	-100	21	0	-21
ORANGE COAST	2,148	1,961	-9	0	0	n.a.	0	0	0
PASADENA CITY	4,050	3,614	-11	0	0	n.a.	0	0	0
SOLANO	771	1,158	50	245	0	-100	24	0	-24
SOUTHWEST L.A.	584	233	-60	73	0	-100	11	0	-11
TAFT	391	318	-19	0	0	n.a.	0	0	0
VENTURA	1,651	1,466	-11	0	0	n.a.	0	0	0
YUBA	581	535	-8	159	0	-100	21	0	-21
<b>Total</b>	<b>124,819</b>	<b>111,475</b>	<b>-11</b>	<b>32,738</b>	<b>26,070</b>	<b>-20</b>	<b>20</b>	<b>18</b>	<b>-1</b>

SOURCE: Authors' calculation using MIS data.

NOTE: Corequisite support includes students in enhanced courses. Sorted in descending order by the share of students in corequisite models in fall 2020.

**TABLE B9**

Racial/ethnic composition of corequisite students

	Number of first-time English students in corequisite models				Racial distribution of first-time English students in corequisite models (%)				Share of first-time students starting in corequisite models (%)		
	2018	2019	2020	Annual change 2019-20, %	2018	2019	2020	Annual change 2019-20, pp	2019	2020	Annual change 2019-20, pp
Latino	6,409	19,665	14,941	-24	59	60	57	-3	22	20	-2
White	1,820	4,561	4,214	-8	17	14	16	2	15	14	-1
Asian	1,145	3,138	2,599	-17	11	10	10	0	17	16	0
Black	774	2,051	1,493	-27	7	6	6	-1	25	23	-2
<b>Total</b>	<b>10,817</b>	<b>32,739</b>	<b>26,070</b>	<b>-20</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>20</b>	<b>18</b>	<b>-1</b>

SOURCE: Author's calculation using MIS courses.

NOTE: Corequisite support includes students in enhanced courses. Pp stands for percentage points.

**TABLE B10**

One-term throughput rate among corequisite courses and corequisite characteristics

College Name	One-term throughput rate corequisite students (%)			Offered enhanced course in 2020=1	Number of units support course
	2019	2020	Annual change, pp		
ALAMEDA	57	44	-13	1	
ALLAN HANCOCK	51	44	-7		2
AMERICAN RIVER	63	55	-8		2
BAKERSFIELD	29	29	1	1	
BARSTOW	54	62	7		0
BERKELEY CITY	74	78	4		0
BUTTE	60	42	-17	1	
CABRILLO	62	64	2		2
CANADA	58	55	-3	1	
CERRITOS	60	51	-8	1	
CERRO COSO	63	63	0		2
CITRUS	56	53	-3	1	
CLOVIS	53	48	-5		2
COALINGA	60	45	-15		0
COASTLINE	69	79	10		1
COLUMBIA	64	58	-5		2
COMPTON	44	17	-27		2
CONTRA COSTA	50	48	-2	1	0
COSUMNES RIVER	65	56	-9		3
CRAFTON HILLS	71	59	-11		1
CUESTA	72	57	-14		1
CUYAMACA	74	65	-9		1
CYPRESS	69	62	-7	1	
DE ANZA	72	73	1		3
DIABLO VALLEY	72	55	-18	1	
EAST L.A.	59	58	0		3
EL CAMINO	55	46	-9		2
EVERGREEN VALLEY	65	55	-11		1
FOLSOM LAKE	65	50	-15		2
FOOTHILL	69	68	-1		0
FRESNO CITY	45	41	-4		2
FULLERTON	62	54	-8	1	
GAVILAN	60	50	-10		2
GLENDALE	59	65	6	1	
GOLDEN WEST	61	59	-2	1	
GROSSMONT	65	53	-12		1
HARTNELL	55	51	-4	1	

College Name	One-term throughput rate corequisite students (%)			Offered enhanced course in 2020=1	Number of units support course
	2019	2020	Annual change, pp		
IMPERIAL VALLEY	59	50	-9		1
IRVINE VALLEY	74	70	-4		2
L.A. CITY	57	50	-6		3
L.A. HARBOR	65	29	-36	1	
L.A. MISSION	49	43	-6		3
L.A. PIERCE	58	46	-12		1
L.A. TRADE-TECH	62	39	-23		1
L.A. VALLEY	65	64	-1		1
LAKE TAHOE	62	54	-8		2
LANEY	64	70	6		0
LAS POSITAS	55	64	9	1	
LEMOORE	55	48	-7		3
LONG BEACH CITY	58	50	-8		2
LOS MEDANOS	65	59	-6		1
MARIN	69	57	-12		2
MENDOCINO	73	54	-19		2
MERCED	46	46	0		2
MERRITT	60	63	3		0
MIRA COSTA	67	66	-1		2
MISSION	61	63	2	1	
MODESTO	49	37	-12	1	
MONTEREY	46	51	5		2
MORENO VALLEY	61	n.a.	n.a.		
MT. SAN ANTONIO	60	61	1		1
MT. SAN JACINTO	59	61	2		1
NAPA VALLEY	59	62	3		2
NORCO	58	53	-6		2
OHLONE	74	74	1		2
OXNARD	69	46	-22		2
PALO VERDE	26	35	10	1	
PALOMAR	59	60	0		2
PORTERVILLE	50	45	-5		2
REDWOODS	62	57	-5		1
REEDLEY	42	27	-15		2
RIO HONDO	54	44	-10		2
RIVERSIDE	53	41	-12		2
SACRAMENTO CITY	68	58	-10		3
SADDLEBACK	73	65	-8		2
SAN BERNARDINO	46	36	-9		2

College Name	One-term throughput rate corequisite students (%)			Offered enhanced course in 2020=1	Number of units support course
	2019	2020	Annual change, pp		
SAN DIEGO CITY	69	67	-1		2
SAN DIEGO MESA	75	71	-4		2
SAN DIEGO MIRAMAR	85	65	-19		2
SAN FRANCISCO CITY	49	54	4		2
SAN JOAQUIN DELTA	57	62	4		1
SAN JOSE CITY	56	52	-4		2
SAN MATEO	55	62	8	1	
SANTA ANA	42	44	2		1
SANTA BARBARA CITY	n.d	63	n.a		1
SANTA MONICA	50	47	-3		2
SANTA ROSA	65	54	-10		2
SANTIAGO CANYON	39	47	8	1	
SEQUOIAS	46	36	-10		2
SHASTA	47	44	-3		1
SIERRA	61	51	-10		2
SISKIYOU	46	60	14		1
SKYLINE	67	70	3	1	
SOLANO	64	n.a.	n.a.		
SOUTHWEST L.A.	29	n.a.	n.a.		
SOUTHWESTERN	63	54	-9		2
VICTOR VALLEY	53	48	-6		2
WEST L.A.	59	62	3		1
WEST VALLEY	69	72	3		2
WOODLAND	65	61	-4		1
YUBA	47	n.a.	n.a.		
<b>Total</b>	<b>58</b>	<b>53</b>	<b>-5</b>		

SOURCE: Authors' calculation using MIS data.

NOTES: Excluded are Madera and Copper Mountain.

**TABLE B11**

Grade distribution in college composition with corequisite support and in college composition without support

	First-time English students in college composition with corequisite support					First-time English students in college composition without support				
	2019	2020	2019	2020	Annual change (pp)	2019	2020	2019	2020	Annual change (pp)
A	6,725	6,026	21	23	3	33,196	33,630	27	30	4
B	6,854	4,523	21	17	-4	29,551	22,710	24	20	-3
C	5,459	3,223	17	12	-4	19,096	13,568	15	12	-3



D	2,782	1,501	8	6	-3	8,197	5,822	7	5	-1
P	33	1,965	0	8	7	114	5,414	0	5	5
NP	5,583	4,386	17	17	0	16,643	14,767	13	13	0
F	45	295	0	1	1	38	896	0	1	1
W	394	275	1	1	0	1,045	1,096	1	1	0
FW	16	34	0	0	0	25	72	0	0	0
EW	4,848	3,842	15	15	0	16,914	13,500	14	12	-1
All	32,739	26,070	100	100	0	124,819	111,475	100	100	0

SOURCE: Authors' calculation using MIS data.

NOTES: Corequisite support includes students in enhanced courses. Excluded are Madera and Copper Mountain

**TABLE B12**

Enhanced courses versus college composition with corequisite support

	Number of colleges		Number of students			One-term throughput rate (%)			
	2019	2020	2019	2020	Annual change, %	2019	2020	Annual change, pp	Range 2020 (max-min), pp
Enhanced courses	16	21	5,247	5,513	5	53	51	-2	42
Corequisite course	85	77	27,489	20,556	-25	59	54	-6	62

SOURCE: Authors' calculation using MIS data.

**TABLE B13**

Likelihood of completing college composition in one term: Enhanced courses versus college composition with corequisite support

	No controls			Controls		
	2019	2020	2019&2020	2019	2020	2019&2020
1.student enrolled in an enhanced course	-5.8	-2.6	-4.7	-2.6	-0.5	-1.7
	(0.030)*	(0.032)	(0.030)	(0.021)	(0.020)	(0.019)
Observations	32,739	26,070	58,809	32,739	26,070	58,809

SOURCE: Authors' calculation using MIS data.

NOTES: Dependent variable is 1 if the student successfully completed college composition in one term. Controls include race, gender, non-traditional-age student, first-time in college, full-time status, GPA (excluding English courses), prior dual enrollment, attending multiple colleges, program participation (Umoja, Mesa, Puente), California Promise/PELL grand recipient, citizenship, disability status, limited English proficiency, foster youth, EOPS participant, and share of units attempted that the student earned. Standard errors in parentheses \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**TABLE B14**

Characteristics of students who started in college composition and did not successfully complete their first attempt

	Students who did not successfully complete in their first try (%)	Students who started in college composition (%)	Proportionality Index
Goal: Transfer	67	71	0.94
Goal: Obtain an AA	10	9	1.16
Goal: Earn a CTE certificate	1	1	1.33

Goal: 4-year student taking courses in CCC	2	2	1.14
Goal: Undecided	10	9	1.07
Goal: Other	5	5	1.14
Missing	4	3	1.20
Continuing students	29	31	0.95
First-time student	71	69	1.02
Asian	7	11	0.65
Black	7	5	1.36
Latino	62	54	1.14
Native American	0	0	1.14
Pacific Islander	1	0	1.25
Two or more races	4	4	0.90
White	14	19	0.74
Unknown race	5	6	0.91
Students with disabilities	6	5	1.18
Dual enrollment student	10	12	0.85
Non-traditional-age student	8	10	0.83
Non full-time student	34	26	1.29
California Promise Grant Pell recipient student	66	63	1.05
Program participation	1	2	0.73
Limited English Proficiency (LEP) student	1	2	0.64
<b>Total</b>	<b>100</b>	<b>100</b>	<b>1.00</b>

SOURCE: Authors' calculation using MIS data.

**TABLE B15**

Fall-to-fall college composition completion rates: students who started in college composition and did not successfully complete their first attempt

College Name	Students who started in college composition in fall 2019 and did not succeed in the first try	Failure rate (%)	Re-enrolled as of fall 2020 (%)	Successfully competed as of fall 2020 (%)	Successful completion conditional on enrollment (%)	Did not come back to the system (%)	Came back to the system but did not enroll in college composition (%)
ALAMEDA	89	35	48	26	53	31	11
ALLAN HANCOCK	550	41	36	14	38	30	14
AMERICAN RIVER	721	35	34	15	43	34	15
ANTELOPE VALLEY	553	33	39	17	43	33	12
BAKERSFIELD	1,841	57	36	11	31	31	14
BARSTOW	170	36	36	19	52	41	8
BERKELEY CITY	154	32	44	18	40	37	10
BUTTE	561	34	27	9	33	35	17
CABRILLO	526	38	40	16	41	32	14
CANADA	165	34	44	19	42	36	10
CANYONS	627	30	49	18	36	30	9
CERRITOS	1,213	39	50	17	34	26	11
CERRO COSO	113	33	23	8	35	49	16

College Name	Students who started in college composition in fall 2019 and did not succeed in the first try	Failure rate (%)	Re-enrolled as of fall 2020 (%)	Successfully competed as of fall 2020 (%)	Successful completion conditional on enrollment (%)	Did not come back to the system (%)	Came back to the system but did not enroll in college composition (%)
CHABOT	430	37	38	17	44	30	17
CHAFFEY	659	33	34	15	44	34	13
CITRUS	528	35	38	17	44	29	15
CLOVIS	392	35	39	16	41	35	11
COALINGA	149	41	45	14	31	33	7
COASTLINE	140	26	34	20	60	45	13
COLUMBIA	86	33	40	17	44	37	8
COMPTON	236	56	36	11	29	51	8
CONTRA COSTA	300	44	43	14	33	32	12
COPPER MOUNTAIN	61	35	23	5	21	56	2
COSUMNES RIVER	451	30	37	16	43	29	16
CRAFTON HILLS	217	28	35	12	35	40	10
CUESTA	338	31	38	14	36	29	15
CUYAMACA	203	28	41	21	51	31	18
CYPRESS	509	30	50	25	50	27	13
DE ANZA	359	18	45	21	46	36	16
DESERT	744	39	37	14	38	34	13
DIABLO VALLEY	669	26	48	25	51	24	14
EAST L.A.	1,384	45	49	18	36	29	11
EL CAMINO	1,042	34	49	18	37	32	7
EVERGREEN VALLEY	290	32	41	21	50	28	18
FEATHER RIVER	78	40	41	15	38	37	9
FOLSOM LAKE	245	26	46	20	42	22	19
FOOTHILL	208	27	48	21	44	40	13
FRESNO CITY	1,457	46	30	10	33	41	9
FULLERTON	1,002	32	45	16	35	27	13
GAVILAN	246	46	50	24	47	22	11
GLENDALE	460	30	51	25	48	28	11
GOLDEN WEST	440	30	40	20	50	29	14
GROSSMONT	659	30	34	15	44	32	17
HARTNELL	592	42	56	21	37	24	6
IMPERIAL VALLEY	384	44	43	18	41	17	20
IRVINE VALLEY	339	25	47	25	54	19	18
L.A. CITY	573	49	42	13	32	40	9
L.A. HARBOR	349	35	42	13	30	34	13
L.A. MISSION	438	49	47	17	36	29	11
L.A. PIERCE	733	37	52	24	47	26	14

College Name	Students who started in college composition in fall 2019 and did not succeed in the first try	Failure rate (%)	Re-enrolled as of fall 2020 (%)	Successfully competed as of fall 2020 (%)	Successful completion conditional on enrollment (%)	Did not come back to the system (%)	Came back to the system but did not enroll in college composition (%)
L.A. TRADE-TECH	265	49	35	17	47	34	16
L.A. VALLEY	766	38	45	20	45	36	9
LAKE TAHOE	48	27	33	10	31	63	6
LANEY	150	36	37	15	42	41	9
LAS POSITAS	321	27	40	19	46	27	17
LASSEN	36	25	19	8	43	53	14
LEMOORE	217	34	31	15	49	29	14
LONG BEACH CITY	849	35	40	14	34	30	16
LOS MEDANOS	441	33	34	13	40	35	16
MARIN	80	28	30	16	54	24	31
MENDOCINO	63	21	30	13	42	44	13
MERCED	799	48	43	15	34	31	9
MERRITT	127	36	35	13	36	40	8
MIRA COSTA	428	28	37	14	37	30	12
MISSION	155	33	44	17	40	29	15
MODESTO	982	43	33	13	38	30	18
MONTEREY	387	46	49	17	35	29	11
MOORPARK	493	27	41	20	48	28	15
MORENO VALLEY	439	33	37	12	31	44	7
MT. SAN ANTONIO	1,270	37	47	21	44	26	16
MT. SAN JACINTO	902	36	36	13	35	42	8
NAPA VALLEY	218	35	46	23	50	20	16
NORCO	411	43	40	18	44	28	19
OHLONE	278	27	52	32	62	27	10
ORANGE COAST	824	38	44	24	54	21	20
OXNARD	300	35	39	18	46	23	16
PALO VERDE	137	55	20	7	33	45	21
PALOMAR	778	31	27	10	35	37	18
PASADENA CITY	1,395	34	48	22	45	28	14
PORTERVILLE	301	45	36	14	39	29	12
REDWOODS	180	33	24	9	36	40	9
REEDLEY	755	50	32	11	34	39	10
RIO HONDO	810	40	31	12	39	25	21
RIVERSIDE	1,041	41	37	15	39	32	16
SACRAMENTO CITY	499	30	37	16	45	30	18
SADDLEBACK	436	20	42	22	52	22	20
SAN BERNARDINO	685	47	40	13	34	32	13

College Name	Students who started in college composition in fall 2019 and did not succeed in the first try	Failure rate (%)	Re-enrolled as of fall 2020 (%)	Successfully competed as of fall 2020 (%)	Successful completion conditional on enrollment (%)	Did not come back to the system (%)	Came back to the system but did not enroll in college composition (%)
SAN DIEGO CITY	366	30	36	11	32	39	9
SAN DIEGO MESA	482	25	44	15	33	28	14
SAN DIEGO MIRAMAR	168	20	43	24	55	29	13
SAN FRANCISCO CITY	705	40	42	15	36	33	15
SAN JOAQUIN DELTA	971	38	34	15	43	27	20
SAN JOSE CITY	268	42	41	19	46	35	13
SAN MATEO	297	35	44	25	57	20	19
SANTA ANA	1,108	50	37	11	30	34	11
SANTA BARBARA CITY	555	29	43	20	47	27	14
SANTA MONICA	1,442	34	46	20	43	27	11
SANTA ROSA	647	34	40	17	43	30	14
SANTIAGO CANYON	463	34	46	19	42	24	15
SEQUOIAS	787	41	36	12	33	31	16
SHASTA	299	44	37	13	35	33	12
SIERRA	825	33	35	14	40	32	15
SISKIYOU	90	39	49	23	48	24	9
SKYLINE	236	29	37	19	52	28	19
SOLANO	345	34	34	13	39	41	13
SOUTHWEST L.A.	426	65	41	11	27	41	9
SOUTHWESTERN	595	26	42	21	50	28	16
TAFT	162	41	41	14	34	28	16
VENTURA	504	31	41	19	48	30	14
VICTOR VALLEY	716	44	30	11	37	40	12
WEST L.A.	438	45	42	18	44	34	11
WEST VALLEY	318	36	54	26	47	21	15
WOODLAND	143	31	35	12	34	36	14
YUBA	340	46	42	18	42	30	13
<b>Total</b>	<b>56,635</b>	<b>36</b>	<b>40</b>	<b>16</b>	<b>40</b>	<b>31</b>	<b>14</b>

SOURCE: Authors' calculation using MIS data.

**TABLE B16**

Likelihood of enrolling and successfully completing a critical thinking course as of the following fall, all colleges

	Dependent variable is 1 if the student enroll in a critical thinking course as of the following fall		Dependent variable is 1 if the student successfully complete a critical thinking course as of the following fall	
	No controls	Controls	No controls	Controls
1.AB705	-3.6	-2.9	-6.3	-5.2
	(0.006)***	(0.005)***	(0.006)***	(0.005)***
Observations	145,588	145,588	145,588	145,588

SOURCE: Authors' calculation using MIS data.

NOTES: Only fall 2018 and fall 2019 cohorts included. AB 705 is one for the fall 2019 cohort. Controls include race, gender, non-traditional-age student, first-time in college, full-time status, GPA (excluding English courses), prior dual enrollment, attending multiple colleges, program participation (Umoja, Mesa, Puente), California Promise/PELL grand recipient, citizenship, disability status, limited English proficiency, foster youth, EOPS participant, and share of units attempted that the student earned. Standard errors in parentheses \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**TABLE B17**

Likelihood of enrolling and successfully completing a critical thinking course as of the following fall, early implementers

	Dependent variable is 1 if the student enroll in a critical thinking course as of the following fall		Dependent variable is 1 if the student successfully complete a critical thinking course as of the following fall	
	No controls	Controls	No controls	Controls
1.Treat_early	0.5	0.2	-0.5	-0.4
	(0.011)	(0.009)	(0.010)	(0.009)
Observations	39,286	39,286	39,286	39,286

Standard errors in parentheses

\*\*\* p&lt;0.01, \*\* p&lt;0.05, \* p&lt;0.1

SOURCE: Authors' calculation using MIS data.

NOTES: Only fall 2017 and fall 2018 cohorts included. Restricted to 30 early implementer colleges. Treat\_early is one for the fall 2018 cohort. Controls include race, gender, non-traditional-age student, first-time in college, full-time status, GPA (excluding English courses), prior dual enrollment, attending multiple colleges, program participation (Umoja, Mesa, Puente), California Promise/PELL grand recipient, citizenship, disability status, limited English proficiency, foster youth, EOPS participant, and share of units attempted that the student earned. Standard errors in parentheses \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

# Appendix C. Qualitative Interview Analysis

## Interview Protocol

To help elucidate our quantitative findings, we conducted 41 semi-structured interviews with community college faculty, staff, and administrators at 22 colleges and 3 community college districts. We purposefully selected colleges to be inclusive of different scales of implementation and rates of early enrollment and success post-AB 705. Specifically, in order to obtain a diverse pool of interviewees, we selected colleges based on several criteria including the level of (and change in) access to transfer-level courses, the proportion of students in corequisite support courses, the level of (and change in) one-term and one-year throughput rates, student success and persistence rates, and proportionality indexes across student outcomes.

Interviews were conducted over Zoom over the course of three months (April 2021 to June 2021) and were about one hour each. We asked each interviewee a variety of questions related to the implementation of AB 705, including but not limited to math/English placement policies and sequence offerings; changes to classroom experiences, pedagogy, and policies; the structure and characteristics of corequisite courses, holistic supports; math and English outcomes; racial equity; and professional development. Importantly, because our interviews took place during the Spring 2021 semester, when the shift to distance education as a result of COVID-19 had been in place for a year, we also asked about how the pandemic affected the implementation of AB 705, especially as it related to the online transition of courses and student services. We audio recorded and kept notes during each interview to accurately capture the observations and thoughts of each interviewee, as well as to synthesize themes, observations, and insights to investigate further and inform other interviews.

## Interview Sample

In summary, our 41 interviews can be broken down into the following categories:

- 15 interviews with English instructors, department chairs, and AB 705 coordinators that focused on corequisites, classroom experiences, and assessment and placement practices
- 18 interviews with Mathematics instructors, department chairs, and AB 705 coordinators that focused on corequisites, classroom experiences and assessment and placement practices
- 5 interviews with student services staff and counselors that focused on holistic supports, and math and English assessment and placement practices
- 3 interviews with district-level administrators that focused on AB 705 implementation, resources needed, and alignment across reform efforts

In this report, we highlight findings from our interviews with English faculty. We provide some insights from student services staff, counselors, and district-level administrators when they are relevant to changes made to English placement policies or to the English student experience. We also share general insights from our interviews with math faculty to provide a point of comparison. In many cases, their thoughts, experiences, and concerns were similar to those shared by their English colleagues. At the same time, there are many insights that are math- or English-specific. In our companion report focused on math outcomes, released in December 2021, we provide a more detailed discussion of our findings from our math faculty interviews.

Additionally, some of the interview insights shared in this report derive from, or are further supported by, interviews initially conducted for some of our previous reports, most notably for our November 2020 report that examined early outcomes post-AB 705 (see Cuellar Mejia, et al. 2020). The implementation, structure, and analysis of these interviews were identical, with the shared goal of obtaining a more nuanced understanding of

how and why enrollment and success in transfer-level courses has varied across colleges due to changes to placement policies, course sequences, and academic supports.

Among our 15 math interviews (conducted with faculty at 14 different colleges), we find that the colleges represented in our sample are similar to the state average in various aspects, including the average first-time English cohort size, the share of students with direct access to transfer-level English, one-term throughput rates, and racial/ethnic demographics among first-time English students (Table C1). Larger differences are evident when comparing the share of first-time English students starting in corequisite models, and the success rates of students in such courses. Though completion rates among our interviewee colleges are 7 percentage points higher than the statewide average, our sample does include representation among 4 colleges with below-average corequisite throughput rates.

**TABLE C1**  
Fall 2019 descriptive statistics for English interview sample compared to statewide average

	Statewide	English Interviewees
Number of Colleges	114	14
Average size of first-time English fall 2019 cohort	1,450	1,418
Share of first-time English students starting directly in transfer-level (%)	95	92
Share of first-time English students in corequisite models (%)	20	25
Success rate among first-time corequisite students	58	65
Overall one-term throughput rate (%)	61	62
Share of Asian American students among first-time English students (%)	11	13
Share of Black students among first-time English students (%)	5	7
Share of Latino students among first-time English students (%)	55	56
Share of white students among first-time English students (%)	19	15

SOURCE: Authors’ calculations using MIS data.  
NOTE: See the glossary of terms in the main report for definitions.

## Analytical Methods

In this study, we employ an explanatory sequential mixed methods design. This approach involves collecting and analyzing quantitative data and then explaining the quantitative results with in-depth qualitative data (Creswell and Plano Clark 2011; Ivankova, Creswell and Stick 2006). As part of the explanatory sequential mixed methods design, we used the research and findings from our current and prior research on AB 705 (see Cuellar Mejia et al. 2020) to construct controls for the regression models and to assist with site selection. Additionally, the qualitative research is used help explain the how and why of implementation decisions at a group of colleges.

The qualitative analysis in this report is grounded by a social constructivist framework in which themes and main ideas are uncovered by interpreting the meaning derived by interviewees and relying on their points of view as experts, key stakeholders, and contributors to the situation of interest, in this case a post-AB 705 community college landscape (Creswell and Poth 2017). More specifically, we incorporate an inductive analytical method, developing ideas through a generalization of unique perspectives and insights into broader themes. Considering the roles researcher interpretation and individual interviewee experiences play in such a framework, it is important



to note that the qualitative insights discussed below are co-constructed among several actors and reflect multiple realities that may be simultaneously true due to a wide diversity in environments and experiences.

Our qualitative analytical methods broadly followed a multi-step process that began once all interviews were completed. First, initial notes for each interview were updated and revised, and direct quotes were verified, using interview transcripts and Zoom recordings. Since at least one interviewer and one designated note-taker attended each interview, multiple researchers documented specific insights. Subsequent discussions among the research team provided opportunities to review and validate such insights. Once all notes were completed, common insights among interviewees were categorized into general themes, while one-off viewpoints or perspectives were documented as unique examples. The last step of the analytical process involved developing a narrative that accurately represented our interview findings, while also answering broad questions of interest and contextualizing the findings from our quantitative analysis.



**PPIC**

PUBLIC POLICY  
INSTITUTE OF CALIFORNIA

The Public Policy Institute of California is dedicated to informing and improving public policy in California through independent, objective, nonpartisan research.

Public Policy Institute of California  
500 Washington Street, Suite 600  
San Francisco, CA 94111  
T: 415.291.4400  
F: 415.291.4401  
PPIC.ORG

PPIC Sacramento Center  
Senator Office Building  
1121 L Street, Suite 801  
Sacramento, CA 95814  
T: 916.440.1120  
F: 916.440.1121