

ACADEMIC YEAR 2020-2021:
DEVELOPMENTAL
EDUCATION REPORT

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EXECUTIVE SUMMARY

Since 2014, the thirteen colleges of CCCS have implemented a new model for providing College Readiness (CR) Support to CCCS students, with the goal of shortening the college readiness sequence. In the current model, most students complete their CR requirements in one semester by either taking a pre-requisite developmental education (DE) course or a co-requisite supplemental academic instruction course (SAI) to ensure that they are prepared for college level course work in math or English. College readiness support course offerings and services vary across colleges. All colleges offer the SAI option in reading/writing, and the vast majority of them offered SAI courses in math as of 2020-2021. Additional colleges have begun offering SAI courses since then, and will be reflected as such in future reports.

Recent legislation (act HB19-1206 passed in 2019) requires that by 2022, institutions directly enroll no more than 10 percent of students in stand-alone developmental education courses “that may extend the student’s time to degree”. Instead, according to the legislation, a student should be enrolled in a gateway college-level course with additional supports through supplemental academic instruction (SAI) or co-requisite remediation.

In Academic Year 2020-2021 system-wide a total of 3,192 non-high school students registered for stand-alone developmental education courses. This is a marked decline from the previous year’s total of 6,889 (further detailed on page 9 of this report). As a percentage of all registered students at CCCS (also non-high school), this comes to 4.0% of all students, well within the required 10 percent or lower required by the recent legislation.

Figure 1 CCCS Number of DE Students as Percentage of Enrollment

CCCS	Students Registered for DE Coursework AY 20-21	All Registered Students	Percentage DE of All Registered Students
Total	3,192	80,258	4.0%

In contrast, a total of 5,692 students took at least one SAI course in AY 2020-2021, reflecting the expanded participation in the co-requisite model since 2014. Within the course of one academic year, students participating in the SAI model tended to complete their corresponding college-level gateway courses at nearly twice the rate of their DE counterparts. 55.4% of those taking SAI courses completed a gateway course in the same subject area within three terms, compared with 28.3% for those taking DE courses. Specifically in math, where nearly all the stand-alone DE participation took place, 63.3% of those taking SAI later passed a gateway course compared with 28.2% that only took a DE course.

TERMINOLOGY

This report uses the term, “College Readiness Support” to describe the activities examined. Many terms, including “remedial education,” “basic skills,” “developmental education,” and others have been used over the years to describe the additional coursework prescribed by colleges for students who are assessed or self-assessed as not prepared for college level coursework in English composition or Mathematics. The lack of a standard vocabulary within education research and education policy discussions on the topic can lead to confusion when discussing college readiness activities. In the present report, the following terms will be used to describe two distinct methods of college readiness support:

College Readiness (CR):

While not a standard term in discussions on the topic, this report is using the term “College Readiness Support” (abbreviated as “CR” in some places within this report) to describe both developmental/prerequisite and supplemental/co-requisite support courses.

Developmental Education (DE):

Developmental education courses -- often abbreviated as “DE” -- are prerequisite courses intended to offer remedial training in basic subject-specific academic skills. Many reports and articles on this topic use “developmental education” as an umbrella term to cover both co-requisite and prerequisite college readiness activities. However, the state of Colorado is moving toward consistently using the term “Developmental Education” to refer to prerequisite coursework below the college level. Developmental courses are intended to teach and build foundational skills prior to registering for college-level coursework.

Supplemental Academic Instruction (SAI):

In contrast to DE courses, Supplemental Academic Instruction (SAI) courses are co-requisite courses offering remedial training in basic subject-specific academic skills. These courses allow students assessed (or self-assessed) as not yet college-ready to take college-level courses with additional academic support. SAI is sometimes framed as an alternative to the DE approach that presents fewer barriers to college course registration and completion while also offering “just in time remediation” that directly connects foundational skills and their application in college-level coursework.

Gateway Courses:

“Gateway courses” are 100-level college courses that are required for completion of an associate’s degree and often act as prerequisites for higher-level coursework. The college readiness courses discussed in this report are intended to prepare students for gateway courses in English (ENG 121, English Composition I) and math (college level, but non-transfer Career and Technical math courses like MAT 103, Clinical Calculations; MAT 107, Career Math; MAT 108, Technical Mathematics; MAT 109, Geometry; and MAT 112, Technical Mathematics; or college transfer courses like MAT 120, Math for Liberal Arts; MAT 121, College Algebra; MAT 123, Finite Mathematics; or MAT 135, Intro to Statistics; depending on a student’s course of study).

DE AND SAI OFFERINGS AT CCCS

College readiness offerings at CCCS colleges have changed substantially over the years. As of AY 2020-2021 all of the colleges offer SAI courses in English/Reading and most offer SAI courses in math.

Beginning in the 2013-2014 academic year, the system began a transition toward a model that included both DE and SAI courses rather than only DE courses. The previous DE model could take multiple semesters to complete, while the new model takes a single semester and includes co-requisite instruction for students with low ability. The courses within this model are described below. Some colleges also offer alternative courses oriented toward meeting college-level course prerequisites. Most of these courses are DE (prerequisite) courses. Notably, while all colleges currently see registration in both DE and SAI courses for College Composition and Reading, not all colleges had active SAI math offerings in 2020-2021. More colleges have added these courses, however, which should be reflected in next year's report for AY 2021-2022.

CCR (College Composition and Reading) Courses

- CCR 091 is a supplemental lab for students with very low reading or writing placement scores who are also registered for CCR 092.
- CCR 092 provides an introduction to college-level reading and writing. Students with low reading or writing placement scores take CCR 092 as a prerequisite for English 121 (college-level English composition).
- CCR 093 is a supplemental academic instruction course offered as a co-requisite to college-level courses outside of the English curriculum, such as Psychology 101, for students with reading or writing placement scores below college-level.
- CCR 094 is a supplemental academic instruction course offered as a co-requisite to English 121 for students with reading or writing placement scores below college-level and is sometimes used by CCR 092 completers seeking additional academic support in their college English course.

English Courses

- ENG077 is a supplemental academic instruction course offered as a co-requisite to ENG 131 for students with writing placement scores below college-level

Math Courses

- MAT 020 is a supplemental lab for students with very low math scores who are also registered for MAT 050.
- MAT 050 is a prerequisite to non-algebra-track college-level Math courses (e.g., MAT 103, 107, 108, 109, 120, or 135) for students with low math placement scores. While not designed as a pathway to college algebra, many students with low placement scores still begin the developmental math sequence with MAT 050, then register for MAT 055 prior to registering for college-level algebra course.
- MAT 025 is a supplemental lab for MAT 055 (a DE course described below).



- MAT 055 is a prerequisite for MAT 121 (College Algebra) for students with low math placement scores.
- MAT071 is a supplemental academic instruction course offered as a co-requisite to MAT 107 for students with math placement scores slightly below the college level.
- MAT072 is a supplemental academic instruction course offered as a co-requisite to MAT 120 for students with math placement scores slightly below the college level.
- MAT073 is a supplemental academic instruction course offered as a co-requisite to MAT 135 for students with math placement scores slightly below the college level.
- MAT080 is a supplemental academic instruction course offered as a co-requisite to MAT 120 for students with math placement scores slightly below the college level.
- MAT081 is a supplemental academic instruction course offered as a co-requisite to MAT 121 for students with math placement scores slightly below the college level.
- MAT083 is a supplemental academic instruction course offered as a co-requisite to MAT 103 for students with math placement scores slightly below the college level.
- MAT085 is a supplemental academic instruction course offered as a co-requisite to MAT 135 for students with math placement scores slightly below the college level.
- MAT087 is a supplemental academic instruction course offered as a co-requisite to MAT 107 for students with math placement scores slightly below the college level.
- MAT 091 is a supplemental academic instruction course offered as a co-requisite to applied math courses such as MAT 107 (Career Math) for students with math placement scores slightly below the college level.
- MAT 092 is a supplemental academic instruction course offered as a co-requisite to college-level math courses such as MAT 120 (Math for Liberal Arts) and MAT 135 (Intro to Statistics) for students with placement scores slightly below the college level.
- MAT 093 is a supplemental academic instruction course offered as a co-requisite to MAT 121 (College Algebra) for students with math placement scores slightly below the college level.

DEVELOPMENTAL EDUCATION HEADCOUNTS AND RECENT LEGISLATION

Recent legislation (act HB19-1206 passed in 2019) requires that by 2022, institutions directly enroll no more than ten percent of students into stand-alone developmental education courses¹. Instead, a student should be enrolled in a gateway college-level course with additional supports through supplemental academic instruction or co-requisite remediation. The following tables outline headcounts and associated trends for CCCS students registering in at least one stand-alone developmental education course in AY 2020-2021. High school students are omitted from these totals and calculations, as the focus of this report is on postsecondary students in college readiness courses.

In Academic Year 2020-2021, a total of 3,192 students registered for stand-alone developmental education courses. This comes to roughly 4.0% of all registered students, well within the required ten percent or lower required by the recent legislation. Figure 2 below further demonstrates that each of the individual CCCS colleges also meet the ten percent threshold of legislation.

Figure 2 - Number of DE Students as Percentage of All Registered Students AY (Non HS) 2020-2021

College	Students Registered for DE Coursework AY 20-21	All Registered Students (Non HS)	Percentage DE of All Registered Students
ACC	380	11,112	3.4%
CCA	183	5,868	3.1%
CCD	236	8,730	2.7%
CNCC	39	1,011	3.9%
FRCC	745	19,816	3.8%
LCC	14	593	2.4%
MCC	29	963	3.0%
NJC	19	1,332	1.4%
OC	16	999	1.6%
PCC	88	6,408	1.4%
PPCC	1,011	14,286	7.1%
RRCC	432	7,666	5.6%
TSC	3	1,474	0.2%
Total	3,195	80,258	4.0%

In AY 2020-2021, Pikes Peak Community College had the largest number of students registering in stand-alone DE coursework, followed by Front Range Community College (Figure 3). In looking at the past five academic

¹ Further details including complete body of HB19-1206 legislation at <https://leg.colorado.gov/bills/hb19-1206>

years, a broad downward trend emerges in stand-alone DE enrollment². In fact, all CCCS schools show a decline in DE enrollment from AY 19-20. Pikes Peak Community College has the highest percentage of all registered students taking stand-alone DE coursework, at just over seven percent (Figure 4).

Figure 3 - Number of DE Students per Academic Year (Non HS)

College	AY 16-17	AY 17-18	AY 18-19	AY 19-20	AY 20-21
ACC	1,022	886	726	463	380
CCA	1,171	1,097	594	546	183
CCD	1,722	1,268	785	492	236
CNCC	126	96	86	63	39
FRCC	3,497	3,289	2,352	1,530	745
LCC	92	108	85	42	14
MCC	121	94	73	48	29
NJC	240	190	176	130	19
OC	244	219	122	66	16
PCC	843	482	353	241	88
PPCC	3,413	3,271	3,028	2,542	1,011
RRCC	1,366	1,174	1,103	702	432
TSC	200	134	71	24	3
CCCS Total	14,057	12,308	9,554	6,889	3,195

² Definitions for courses considered DE vs SAI have shifted over the years, and more course numbers in AY 2020-2021 are offered as SAI courses than in years' past. For instance, in the AY 19-20 Developmental Education Report, five specific course numbers were considered SAI courses, whereas the current definitions include any course numbers between 070 and 099 as SAI. Regardless, the yearly totals above reflect accurate representations of the DE course definitions in that given year.



Total DE Students Per Year (Non HS)

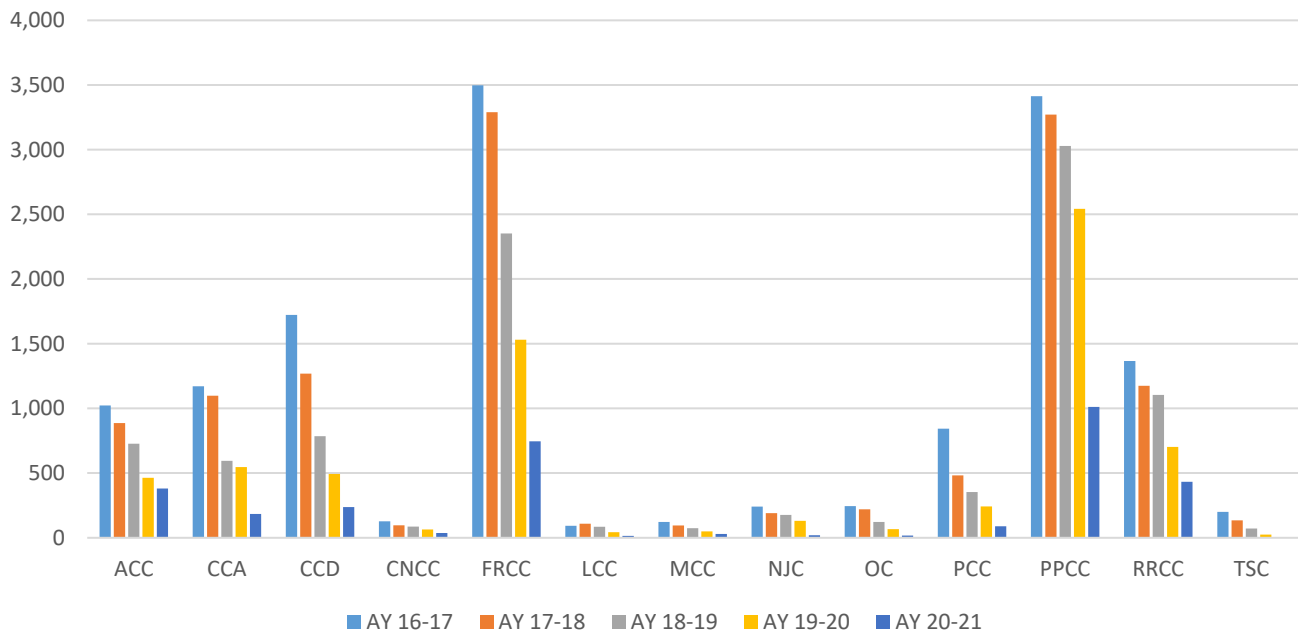
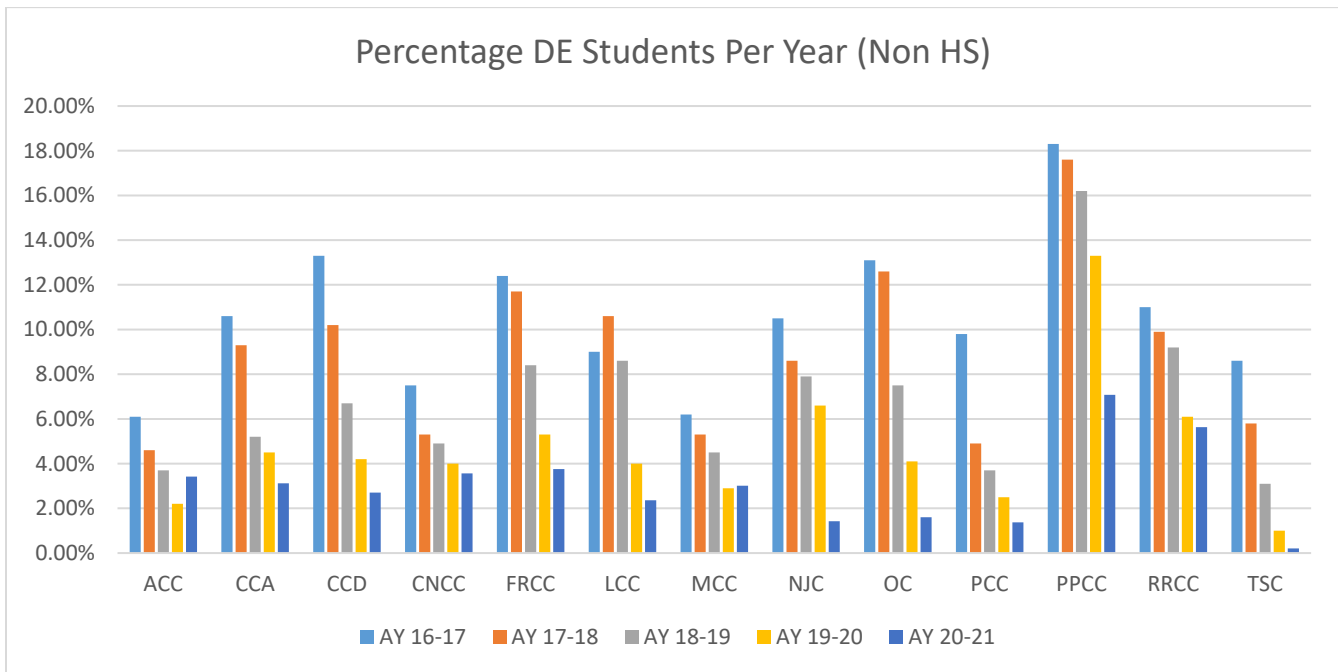




Figure 4 - Percentage DE Students per Academic Year (Non HS)

College	AY 16-17	AY 17-18	AY 18-19	AY 19-20	AY 20-21
ACC	8.8%	6.4%	5.6%	3.5%	3.4%
CCA	15.8%	15.6%	9.1%	8.2%	3.1%
CCD	15.9%	11.9%	7.9%	5.1%	2.7%
CNCC	10.5%	7.7%	7.7%	6.2%	3.9%
FRCC	15.1%	14.7%	10.8%	7.2%	3.8%
LCC	13.7%	16.1%	12.7%	6.1%	2.4%
MCC	10.7%	8.7%	7.3%	4.8%	3.0%
NJC	12.7%	10.2%	9.5%	8.0%	1.4%
OC	18.0%	17.6%	10.7%	6.3%	1.6%
PCC	12.3%	6.0%	4.6%	3.4%	1.4%
PPCC	21.1%	20.6%	19.4%	16.1%	7.1%
RRCC	13.3%	12.1%	11.7%	8.0%	5.6%
TSC	12.9%	8.8%	4.8%	1.5%	0.2%
CCCS Total	14.9%	12.9%	10.5%	7.7%	4.0%



DEVELOPMENTAL EDUCATION STUDENT DEMOGRAPHICS BY COLLEGE

Below, each figure provides a detailed breakdown of the demographic makeup of students taking stand-alone developmental education (DE) coursework at each college. Overall, students of color, first generation, and Pell eligible students take DE courses in greater proportion than other students, relative to their overall enrollment.

Figure 5 – CCCS Overall Demographic Breakdown of Dev Ed Students

CCCS	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	32	1.0%	672	4.8%
Asian	77	2.4%	2,727	2.8%
Black or African American	256	8.0%	5,174	4.9%
Hispanic	865	27.1%	19,145	4.5%
Multiple Races	153	4.8%	3,293	4.6%
Native Hawaiian and Other Pacific Islander	14	0.4%	230	6.1%
Non-Resident Alien (International)	36	1.1%	1,463	2.5%
Unknown	87	2.7%	3,778	2.3%
White	1,675	52.4%	43,776	3.8%
Gender				
Female	1,819	56.9%	47,635	3.8%
Male	1,376	43.1%	32,623	4.2%
Age Category				
24 and Under	1,857	58.1%	41,853	4.4%
25 and Over	1,338	41.9%	38,399	3.5%
First Generation				
Not First Generation	1,288	40.3%	39,872	3.2%
First Generation	1,907	59.7%	40,386	4.7%
Pell Eligibility				
Not Pell Eligible	737	23.1%	17,472	4.2%
Unknown (No FAFSA)	959	30.0%	35,501	2.7%
Pell Eligible	1,499	46.9%	27,285	5.5%
Total	3,195		80,258	4.0%

Figure 6 – ACC Dev Ed Demographic Breakdown

ACC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	2	0.5%	48	4.2%
Asian	11	2.9%	357	3.1%
Black or African American	18	4.7%	320	5.6%
Hispanic	79	20.8%	1,752	4.5%
Multiple Races	19	5.0%	382	5.0%
Native Hawaiian and Other Pacific Islander	1	0.3%	25	4.0%
Non-Resident Alien (International)	4	1.1%	126	3.2%
Unknown	11	2.9%	2,175	0.5%
White	235	61.8%	5,927	4.0%
Gender				
Female	203	53.4%	6,287	3.2%
Male	177	46.6%	4,825	3.7%
Age Category				
24 and Under	264	69.5%	5,067	5.2%
25 and Over	116	30.5%	6,044	1.9%
First Generation				
Not First Generation	179	47.1%	7,432	2.4%
First Generation	201	52.9%	3,680	5.5%
Pell Eligibility				
Not Pell Eligible	105	27.6%	2,158	4.9%
Unknown (No FAFSA)	156	41.1%	6,968	2.2%
Pell Eligible	119	31.3%	1,986	6.0%
Total	380		11,112	3.4%

Figure 7 – CCA Dev Ed Demographic Breakdown

CCA	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	0	0.0%	31	0.0%
Asian	5	2.7%	326	1.5%
Black or African American	62	33.9%	1,346	4.6%
Hispanic	47	25.7%	1,612	2.9%
Multiple Races	13	7.1%	309	4.2%
Native Hawaiian and Other Pacific Islander	1	0.5%	22	4.5%
Non-Resident Alien (International)	4	2.2%	189	2.1%
Unknown	4	2.2%	107	3.7%
White	47	25.7%	1,926	2.4%
Gender				
Female	124	67.8%	3,621	3.4%
Male	59	32.2%	2,247	2.6%
Age Category				
24 and Under	84	45.9%	3,012	2.8%
25 and Over	99	54.1%	2,856	3.5%
First Generation				
Not First Generation	46	25.1%	2,158	2.1%
First Generation	137	74.9%	3,710	3.7%
Pell Eligibility				
Not Pell Eligible	43	23.5%	1,210	3.6%
Unknown (No FAFSA)	32	17.5%	2,228	1.4%
Pell Eligible	108	59.0%	2,430	4.4%
Total	183		5,868	3.1%

Figure 8 – CCD Dev Ed Demographic Breakdown

CCD	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	1	0.4%	74	1.4%
Asian	7	3.0%	491	1.4%
Black or African American	28	11.9%	1,059	2.6%
Hispanic	68	28.8%	2,812	2.4%
Multiple Races	8	3.4%	392	2.0%
Native Hawaiian and Other Pacific Islander	0	0.0%	21	0.0%
Non-Resident Alien (International)	6	2.5%	371	1.6%
Unknown	46	19.5%	172	26.7%
White	72	30.5%	3,338	2.2%
Gender				
Female	131	55.5%	5,565	2.4%
Male	105	44.5%	3,165	3.3%
Age Category				
24 and Under	114	48.3%	4,788	2.4%
25 and Over	122	51.7%	3,941	3.1%
First Generation				
Not First Generation	116	49.2%	3,461	3.4%
First Generation	120	50.8%	5,269	2.3%
Pell Eligibility				
Not Pell Eligible	28	11.9%	2,044	1.4%
Unknown (No FAFSA)	148	62.7%	3,046	4.9%
Pell Eligible	60	25.4%	3,640	1.6%
Total	236		8,730	2.7%

Figure 9 – CNCC Dev Ed Demographic Breakdown

CNCC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	1	2.6%	12	8.3%
Asian	0	0.0%	6	0.0%
Black or African American	5	12.8%	35	14.3%
Hispanic	11	28.2%	183	6.0%
Multiple Races	1	2.6%	28	3.6%
Native Hawaiian and Other Pacific Islander	0	0.0%	1	0.0%
Non-Resident Alien (International)	0	0.0%	15	0.0%
Unknown	0	0.0%	77	0.0%
White	21	53.8%	654	3.2%
Gender				
Female	22	56.4%	576	3.8%
Male	17	43.6%	435	3.9%
Age Category				
24 and Under	28	71.8%	533	5.3%
25 and Over	11	28.2%	478	2.3%
First Generation				
Not First Generation	13	33.3%	470	2.8%
First Generation	26	66.7%	541	4.8%
Pell Eligibility				
Not Pell Eligible	8	20.5%	221	3.6%
Unknown (No FAFSA)	7	17.9%	518	1.4%
Pell Eligible	24	61.5%	272	8.8%
Total	39		1,011	3.9%

Figure 10 – FRCC Dev Ed Demographic Breakdown

FRCC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	10	1.3%	130	7.7%
Asian	20	2.7%	773	2.6%
Black or African American	17	2.3%	406	4.2%
Hispanic	225	30.2%	4,344	5.2%
Multiple Races	26	3.5%	732	3.6%
Native Hawaiian and Other Pacific Islander	2	0.3%	36	5.6%
Non-Resident Alien (International)	7	0.9%	333	2.1%
Unknown	7	0.9%	385	1.8%
White	431	57.9%	12,677	3.4%
Gender				
Female	410	55.0%	11,969	3.4%
Male	335	45.0%	7,847	4.3%
Age Category				
24 and Under	446	59.9%	11,740	3.8%
25 and Over	299	40.1%	8,076	3.7%
First Generation				
Not First Generation	314	42.1%	10,774	2.9%
First Generation	431	57.9%	9,042	4.8%
Pell Eligibility				
Not Pell Eligible	177	23.8%	4,560	3.9%
Unknown (No FAFSA)	242	32.5%	9,665	2.5%
Pell Eligible	326	43.8%	5,591	5.8%
Total	745		19,816	3.8%

Figure 11 – LCC Dev Ed Demographic Breakdown

LCC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	0	0.0%	14	0.0%
Asian	0	0.0%	2	0.0%
Black or African American	1	7.1%	27	3.7%
Hispanic	8	57.1%	183	4.4%
Multiple Races	2	14.3%	19	10.5%
Native Hawaiian and Other Pacific Islander	0	0.0%	1	0.0%
Non-Resident Alien (International)	0	0.0%	17	0.0%
Unknown	0	0.0%	5	0.0%
White	3	21.4%	325	0.9%
Gender				
Female	8	57.1%	368	2.2%
Male	6	42.9%	225	2.7%
Age Category				
24 and Under	11	78.6%	441	2.5%
25 and Over	3	21.4%	152	2.0%
First Generation				
Not First Generation	3	21.4%	210	1.4%
First Generation	11	78.6%	383	2.9%
Pell Eligibility				
Not Pell Eligible	4	28.6%	155	2.6%
Unknown (No FAFSA)	1	7.1%	180	0.6%
Pell Eligible	9	64.3%	258	3.5%
Total	14		593	2.4%

Figure 12 – MCC Dev Ed Demographic Breakdown



MCC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	0	0.0%	2	0.0%
Asian	0	0.0%	1	0.0%
Black or African American	2	6.9%	105	1.9%
Hispanic	12	41.4%	328	3.7%
Multiple Races	1	3.4%	13	7.7%
Native Hawaiian and Other Pacific Islander	0	0.0%	1	0.0%
Non-Resident Alien (International)	0	0.0%	24	0.0%
Unknown	2	6.9%	13	15.4%
White	12	41.4%	476	2.5%
Gender				
Female	22	75.9%	661	3.3%
Male	7	24.1%	302	2.3%
Age Category				
24 and Under	20	69.0%	473	4.2%
25 and Over	9	31.0%	490	1.8%
First Generation				
Not First Generation	6	20.7%	235	2.6%
First Generation	23	79.3%	728	3.2%
Pell Eligibility				
Not Pell Eligible	6	20.7%	234	2.6%
Unknown (No FAFSA)	7	24.1%	290	2.4%
Pell Eligible	16	55.2%	439	3.6%
Total	29		963	3.0%

Figure 13 – NJC Dev Ed Demographic Breakdown

NJC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	0	0.0%	4	0.0%
Asian	0	0.0%	9	0.0%
Black or African American	1	5.3%	35	2.9%
Hispanic	5	26.3%	200	2.5%
Multiple Races	0	0.0%	43	0.0%
Native Hawaiian and Other Pacific Islander	0	0.0%	1	0.0%
Non-Resident Alien (International)	1	5.3%	30	3.3%
Unknown	0	0.0%	36	0.0%
White	12	63.2%	974	1.2%
Gender				
Female	12	63.2%	856	1.4%
Male	7	36.8%	476	1.5%
Age Category				
24 and Under	16	84.2%	782	2.0%
25 and Over	3	15.8%	550	0.5%
First Generation				
Not First Generation	5	26.3%	668	0.7%
First Generation	14	73.7%	664	2.1%
Pell Eligibility				
Not Pell Eligible	4	21.1%	307	1.3%
Unknown (No FAFSA)	3	15.8%	607	0.5%
Pell Eligible	12	63.2%	418	2.9%
Total	19		1,332	1.4%

Figure 14 – OC Dev Ed Demographic Breakdown

OC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	0	0.0%	9	0.0%
Asian	0	0.0%	18	0.0%
Black or African American	0	0.0%	73	0.0%
Hispanic	8	50.0%	383	2.1%
Multiple Races	1	6.3%	37	2.7%
Native Hawaiian and Other Pacific Islander	0	0.0%	1	0.0%
Non-Resident Alien (International)	3	18.8%	44	6.8%
Unknown	0	0.0%	13	0.0%
White	4	25.0%	421	1.0%
Gender				
Female	9	56.3%	647	1.4%
Male	7	43.8%	352	2.0%
Age Category				
24 and Under	10	62.5%	567	1.8%
25 and Over	6	37.5%	432	1.4%
First Generation				
Not First Generation	4	25.0%	304	1.3%
First Generation	12	75.0%	695	1.7%
Pell Eligibility				
Not Pell Eligible	2	12.5%	211	0.9%
Unknown (No FAFSA)	3	18.8%	257	1.2%
Pell Eligible	11	68.8%	531	2.1%
Total	16		999	1.6%

Figure 15 – PCC Dev Ed Demographic Breakdown

PCC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	4	4.5%	181	2.2%
Asian	1	1.1%	71	1.4%
Black or African American	7	8.0%	386	1.8%
Hispanic	35	39.8%	2,164	1.6%
Multiple Races	2	2.3%	195	1.0%
Native Hawaiian and Other Pacific Islander	0	0.0%	10	0.0%
Non-Resident Alien (International)	0	0.0%	35	0.0%
Unknown	1	1.1%	202	0.5%
White	38	43.2%	3,164	1.2%
Gender				
Female	47	53.4%	3,644	1.3%
Male	41	46.6%	2,764	1.5%
Age Category				
24 and Under	52	59.1%	2,301	2.3%
25 and Over	36	40.9%	4,103	0.9%
First Generation				
Not First Generation	31	35.2%	2,405	1.3%
First Generation	57	64.8%	4,003	1.4%
Pell Eligibility				
Not Pell Eligible	18	20.5%	1,087	1.7%
Unknown (No FAFSA)	9	10.2%	2,488	0.4%
Pell Eligible	61	69.3%	2,833	2.2%
Total	88		6,408	1.4%

Figure 16 – PPCC Dev Ed Demographic Breakdown

PPCC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	8	0.8%	81	9.9%
Asian	20	2.0%	420	4.8%
Black or African American	105	10.4%	1,162	9.0%
Hispanic	256	25.3%	3,104	8.2%
Multiple Races	64	6.3%	853	7.5%
Native Hawaiian and Other Pacific Islander	8	0.8%	81	9.9%
Non-Resident Alien (International)	8	0.8%	117	6.8%
Unknown	12	1.2%	318	3.8%
White	530	52.4%	8,150	6.5%
Gender				
Female	566	56.0%	8,619	6.6%
Male	445	44.0%	5,667	7.9%
Age Category				
24 and Under	579	57.3%	7,337	7.9%
25 and Over	432	42.7%	6,949	6.2%
First Generation				
Not First Generation	390	38.6%	6,907	5.6%
First Generation	621	61.4%	7,379	8.4%
Pell Eligibility				
Not Pell Eligible	231	22.8%	3,333	6.9%
Unknown (No FAFSA)	227	22.5%	4,783	4.7%
Pell Eligible	553	54.7%	6,170	9.0%
Total	1,011		14,286	7.1%

Figure 17 – RRCC Dev Ed Demographic Breakdown

RRCC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	6	1.4%	63	9.5%
Asian	13	3.0%	240	5.4%
Black or African American	9	2.1%	140	6.4%
Hispanic	111	25.7%	1,449	7.7%
Multiple Races	16	3.7%	263	6.1%
Native Hawaiian and Other Pacific Islander	2	0.5%	21	9.5%
Non-Resident Alien (International)	3	0.7%	110	2.7%
Unknown	4	0.9%	237	1.7%
White	268	62.0%	5,143	5.2%
Gender				
Female	264	61.1%	3,978	6.6%
Male	168	38.9%	3,688	4.6%
Age Category				
24 and Under	230	53.2%	4,025	5.7%
25 and Over	202	46.8%	3,641	5.5%
First Generation				
Not First Generation	179	41.4%	4,305	4.2%
First Generation	253	58.6%	3,361	7.5%
Pell Eligibility				
Not Pell Eligible	108	25.0%	1,711	6.3%
Unknown (No FAFSA)	124	28.7%	3,997	3.1%
Pell Eligible	200	46.3%	1,958	10.2%
Total	432		7,666	5.6%

Figure 18 – TSC Dev Ed Demographic Breakdown

TSC	Students Registered for DE Coursework AY 20-21	Percentage of Total DE Students	All Registered Students	Percentage DE of All Registered Students
Race				
American Indian or Alaskan Native	0	0.0%	23	0.0%
Asian	0	0.0%	13	0.0%
Black or African American	1	33.3%	80	1.3%
Hispanic	0	0.0%	631	0.0%
Multiple Races	0	0.0%	27	0.0%
Native Hawaiian and Other Pacific Islander	0	0.0%	9	0.0%
Non-Resident Alien (International)	0	0.0%	52	0.0%
Unknown	0	0.0%	38	0.0%
White	2	66.7%	601	0.3%
Gender				
Female	1	33.3%	844	0.1%
Male	2	66.7%	630	0.3%
Age Category				
24 and Under	3	100.0%	787	0.4%
25 and Over	0	0.0%	687	0.0%
First Generation				
Not First Generation	2	66.7%	543	0.4%
First Generation	1	33.3%	931	0.1%
Pell Eligibility				
Not Pell Eligible	3	100.0%	241	1.2%
Unknown (No FAFSA)	0	0.0%	474	0.0%
Pell Eligible	0	0.0%	759	0.0%
Total	3		1,474	0.2%



MATH GATEWAY COURSE COMPLETION RATES BY CR TYPE

The following tables follow cohorts of students taking at least one developmental education (DE) or supplemental academic instruction (SAI) course during AY 2020-2021. Within these groups, the tables measure the number and proportion of students that also successfully completed a gateway course³ in the same subject within three academic terms. For example, a student taking DE/SAI in spring is counted as having completed a gateway course if it occurs by the end of the following fall. A successful completion entails a grade of “C” or better in the gateway course. At some schools, a small number of students took both DE and SAI courses during the academic year. Therefore these cases are broken into their own category for appropriate comparison.

³ Math gateway courses include course numbers 103, 107, 108, 109, 112, 120, 121, 123, and 135

Math Gateway Course Completion Rates by DE/SAI Students within AY 20/21 by Key Demographics (HS Not Included)

CCCS	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	17	6	31	17	6	1	1	54.8%	35.3%	19.4%	100.0%
Asian	103	72	76	59	23	1	1	77.6%	69.9%	30.3%	100.0%
Black or African American	294	166	250	133	54	6	3	53.2%	56.5%	21.6%	50.0%
Hispanic	816	472	838	518	211	25	15	61.8%	57.8%	25.2%	60.0%
Multiple races	106	62	147	99	37	6	3	67.3%	58.5%	25.2%	50.0%
Native Hawaiian and Other Pacific Islander	8	7	13	7	2	1	1	53.8%	87.5%	15.4%	100.0%
Non-Resident Alien (International)	67	50	34	22	12	2	2	64.7%	74.6%	35.3%	100.0%
Unknown	34	28	86	57	15	1	1	66.3%	82.4%	17.4%	100.0%
White	1120	761	1636	1170	518	38	18	71.5%	67.9%	31.7%	47.4%
Gender											
Female	1593	1039	1769	1243	486	49	30	70.3%	65.2%	27.5%	61.2%
Male	972	585	1342	839	392	32	15	62.5%	60.2%	29.2%	46.9%
Age											
24 and Under	1605	939	1808	1140	481	47	24	63.1%	58.5%	26.6%	51.1%
25 and Over	960	685	1303	942	397	34	21	72.3%	71.4%	30.5%	61.8%
First Generation											
First Generation	1555	944	1851	1216	500	54	30	65.7%	60.7%	27.0%	55.6%
Not First Generation	1010	680	1260	866	378	27	15	68.7%	67.3%	30.0%	55.6%
Pell Eligibility											
Pell Eligible	1309	803	1453	955	421	44	20	65.7%	61.3%	29.0%	45.5%
Not Pell Eligible	634	443	713	509	234	23	16	71.4%	69.9%	32.8%	69.6%
Unknown (No FAFSA)	622	378	945	618	223	14	9	65.4%	60.8%	23.6%	64.3%
Total	2,565	1,624	3,111	2,082	878	81	45	66.9%	63.3%	28.2%	55.6%

ACC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	.	.	2	2	1	.	.	100.0%	.	50%	.
Asian	6	3	11	8	5	.	.	72.7%	50%	45%	.
Black or African American	3	0	18	12	1	.	.	66.7%	0%	6%	.
Hispanic	53	34	78	50	16	1	1	64.1%	64%	21%	100%
Multiple races	10	7	19	12	3	.	.	63.2%	70%	16%	.
Native Hawaiian and Other Pacific Islander	1	1	1	0	0	.	.	0.0%	100%	0%	.
Non-Resident Alien (International)	3	1	4	1	2	.	.	25.0%	33%	50%	.
Unknown	2	1	10	7	4	1	1	70.0%	50%	40%	100%
White	120	81	232	171	74	3	2	73.7%	68%	32%	67%
Gender											
Female	110	78	201	148	45	2	2	73.6%	71%	22%	100%
Male	88	50	174	115	61	3	2	66.1%	57%	35%	67%
Age											
24 and Under	146	90	259	174	71	5	4	67.2%	62%	27%	80%
25 and Over	52	38	116	89	35	.	.	76.7%	73%	30%	.
First Generation											
First Generation	87	52	200	143	54	1	1	71.5%	60%	27%	100%
Not First Generation	111	76	175	120	52	4	3	68.6%	68%	30%	75%
Pell Eligibility											
Pell Eligible	60	36	117	78	29	2	2	66.7%	60%	25%	100%
Not Pell Eligible	58	43	103	78	29	2	1	75.7%	74%	28%	50%
Unknown (No FAFSA)	80	49	155	107	48	1	1	69.0%	61%	31%	100%
Total	198	128	375	263	106	5	4	70.1%	65%	28%	80%

CCA	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	4	1	.	.	.	.	.	.	25%	.	.
Asian	18	14	5	4	2	.	.	80.0%	78%	40%	.
Black or African American	108	78	58	31	20	4	2	53.4%	72%	34%	50%
Hispanic	120	90	40	24	18	7	5	60.0%	75%	45%	71%
Multiple races	23	18	10	5	2	3	2	50.0%	78%	20%	67%
Native Hawaiian and Other Pacific Islander	4	3	.	.	.	1	1	.	75%	.	100%
Non-Resident Alien (International)	14	12	3	2	1	1	1	66.7%	86%	33%	100%
Unknown	8	7	4	2	0	.	.	50.0%	88%	0%	.
White	114	89	44	35	13	3	3	79.5%	78%	30%	100%
Gender											
Female	269	211	112	69	39	12	9	61.6%	78%	35%	75%
Male	144	101	52	34	17	7	5	65.4%	70%	33%	71%
Age											
24 and Under	224	159	76	40	25	8	5	52.6%	71%	33%	63%
25 and Over	189	153	88	63	31	11	9	71.6%	81%	35%	82%
First Generation											
First Generation	279	212	120	79	46	17	12	65.8%	76%	38%	71%
Not First Generation	134	100	44	24	10	2	2	54.5%	75%	23%	100%
Pell Eligibility											
Pell Eligible	239	181	99	63	35	9	6	63.6%	76%	35%	67%
Not Pell Eligible	93	72	35	20	13	8	7	57.1%	77%	37%	88%
Unknown (No FAFSA)	81	59	30	20	8	2	1	66.7%	73%	27%	50%
Total	413	312	164	103	56	19	14	62.8%	76%	34%	74%

CCD	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	7	2	1	1	0	.	.	100.0%	29%	0%	.
Asian	53	36	6	5	0	1	1	83.3%	68%	0%	100%
Black or African American	136	66	27	8	2	1	0	29.6%	49%	7%	0%
Hispanic	359	186	68	29	3	.	.	42.6%	52%	4%	.
Multiple races	29	12	6	5	1	2	1	83.3%	41%	17%	50%
Native Hawaiian and Other Pacific Islander	1	1	.	.	.	.	.	.	100%	.	.
Non-Resident Alien (International)	37	29	6	2	0	.	.	33.3%	78%	0%	.
Unknown	11	11	46	30	1	.	.	65.2%	100%	2%	.
White	306	206	66	32	9	6	2	48.5%	67%	14%	33%
Gender											
Female	601	366	127	66	5	4	3	52.0%	61%	4%	75%
Male	338	183	99	46	11	6	1	46.5%	54%	11%	17%
Age											
24 and Under	563	294	112	52	6	2	1	46.4%	52%	5%	50%
25 and Over	376	255	114	60	10	8	3	52.6%	68%	9%	38%
First Generation											
First Generation	628	348	115	48	6	5	2	41.7%	55%	5%	40%
Not First Generation	311	201	111	64	10	5	2	57.7%	65%	9%	40%
Pell Eligibility											
Pell Eligible	522	287	54	18	8	6	2	33.3%	55%	15%	33%
Not Pell Eligible	220	146	25	15	6	3	2	60.0%	66%	24%	67%
Unknown (No FAFSA)	197	116	147	79	2	1	0	53.7%	59%	1%	0%
Total	939	549	226	112	16	10	4	49.6%	58%	7%	40%

CNCC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	1	0	1	1	0	.	.	100.0%	0%	0%	.
Asian	.	.	.	.	.	.	.	.	.	.	.
Black or African American	.	.	5	0	0	.	.	0.0%	.	0%	.
Hispanic	4	2	9	1	1	.	.	11.1%	50%	11%	.
Multiple races	.	.	1	1	1	.	.	100.0%	.	100%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.	.	.	.	.	.
Non-Resident Alien (International)	.	.	.	.	.	.	.	.	.	.	.
Unknown	.	.	.	.	.	.	.	.	.	.	.
White	5	4	19	6	6	1	1	31.6%	80%	32%	100%
Gender											
Female	2	1	21	7	6	.	.	33.3%	50%	29%	.
Male	8	5	14	2	2	1	1	14.3%	63%	14%	100%
Age											
24 and Under	10	6	26	3	4	.	.	11.5%	60%	15%	.
25 and Over	.	.	9	6	4	1	1	66.7%	.	44%	100%
First Generation											
First Generation	4	3	23	6	6	1	1	26.1%	75%	26%	100%
Not First Generation	6	3	12	3	2	.	.	25.0%	50%	17%	.
Pell Eligibility											
Pell Eligible	3	1	21	7	5	1	1	33.3%	33%	24%	100%
Not Pell Eligible	4	2	7	1	1	.	.	14.3%	50%	14%	.
Unknown (No FAFSA)	3	3	7	1	2	.	.	14.3%	100%	29%	.
Total	10	6	35	9	8	1	1	25.7%	60%	23%	100%

FRCC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	3	3	9	5	2	1	1	55.6%	100%	22%	100%
Asian	20	15	20	17	6	.	.	85.0%	75%	30%	.
Black or African American	8	4	16	12	4	1	1	75.0%	50%	25%	100%
Hispanic	140	87	210	132	49	15	9	62.9%	62%	23%	60%
Multiple races	21	11	26	15	8	.	.	57.7%	52%	31%	.
Native Hawaiian and Other Pacific Islander	1	1	2	1	0	.	.	50.0%	100%	0%	.
Non-Resident Alien (International)	11	7	7	5	3	.	.	71.4%	64%	43%	.
Unknown	6	5	7	5	3	.	.	71.4%	83%	43%	.
White	333	233	412	303	130	19	8	73.5%	70%	32%	42%
Gender											
Female	309	211	385	286	107	25	14	74.3%	68%	28%	56%
Male	234	155	324	209	98	11	5	64.5%	66%	30%	45%
Age											
24 and Under	384	237	422	284	107	24	12	67.3%	62%	25%	50%
25 and Over	159	129	287	211	98	12	7	73.5%	81%	34%	58%
First Generation											
First Generation	261	167	407	271	101	24	12	66.6%	64%	25%	50%
Not First Generation	282	199	302	224	104	12	7	74.2%	71%	34%	58%
Pell Eligibility											
Pell Eligible	215	149	305	209	92	21	9	68.5%	69%	30%	43%
Not Pell Eligible	162	119	168	135	52	9	5	80.4%	73%	31%	56%
Unknown (No FAFSA)	166	98	236	151	61	6	5	64.0%	59%	26%	83%
Total	543	366	709	495	205	36	19	69.8%	67%	29%	53%

LCC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	.	.	.	.	.	.	.	.	.	.	.
Asian	.	.	.	.	.	.	.	.	.	.	.
Black or African American	.	.	1	0	0	.	.	0.0%	.	0%	.
Hispanic	3	3	8	4	2	.	.	50.0%	100%	25%	.
Multiple races	1	1	2	2	1	.	.	100.0%	100%	50%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.	.	.	.	.	.
Non-Resident Alien (International)	.	.	.	.	.	.	.	.	.	.	.
Unknown	.	.	.	.	.	.	.	.	.	.	.
White	2	2	3	3	1	.	.	100.0%	100%	33%	.
Gender											
Female	2	2	8	6	3	.	.	75.0%	100%	38%	.
Male	4	4	6	3	1	.	.	50.0%	100%	17%	.
Age											
24 and Under	6	6	11	6	4	.	.	54.5%	100%	36%	.
25 and Over	.	.	3	3	0	.	.	100.0%	.	0%	.
First Generation											
First Generation	2	2	11	8	4	.	.	72.7%	100%	36%	.
Not First Generation	4	4	3	1	0	.	.	33.3%	100%	0%	.
Pell Eligibility											
Pell Eligible	2	2	9	5	2	.	.	55.6%	100%	22%	.
Not Pell Eligible	1	1	4	3	2	.	.	75.0%	100%	50%	.
Unknown (No FAFSA)	3	3	1	1	0	.	.	100.0%	100%	0%	.
Total	6	6	14		4	.	.	0.0%	100%	29%	.

MCC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	.	.	.	.	.	.	.	.	.	.	.
Asian	.	.	.	.	.	.	.	.	.	.	.
Black or African American	1	1	2	0	0	.	.	0.0%	100%	0%	.
Hispanic	4	2	12	9	3	.	.	75.0%	50%	25%	.
Multiple races	.	.	1	1	0	.	.	100.0%	.	0%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.	.	.	.	.	.
Non-Resident Alien (International)	1	1	.	.	.	.	.	.	100%	.	.
Unknown	.	.	2	2	1	.	.	100.0%	.	50%	.
White	3	0	12	10	2	.	.	83.3%	0%	17%	.
Gender											
Female	6	2	22	18	4	.	.	81.8%	33%	18%	.
Male	3	2	7	4	2	.	.	57.1%	67%	29%	.
Age											
24 and Under	5	3	20	14	4	.	.	70.0%	60%	20%	.
25 and Over	4	1	9	8	2	.	.	88.9%	25%	22%	.
First Generation											
First Generation	8	4	23	19	5	.	.	82.6%	50%	22%	.
Not First Generation	1	0	6	3	1	.	.	50.0%	0%	17%	.
Pell Eligibility											
Pell Eligible	7	2	16	12	3	.	.	75.0%	29%	19%	.
Not Pell Eligible	1	1	6	5	2	.	.	83.3%	100%	33%	.
Unknown (No FAFSA)	1	1	7	5	1	.	.	71.4%	100%	14%	.
Total	9	4	29	22	6	.	.	75.9%	44%	21%	.

NJC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	.	.	.	.	.	.	.	.	.	.	.
Asian	1	0	.	.	.	.	.	.	0%	.	.
Black or African American	1	0	1	1	0	.	.	100.0%	0%	0%	.
Hispanic	18	7	5	2	0	.	.	40.0%	39%	0%	.
Multiple races	2	2	.	.	.	.	.	.	100%	.	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.	.	.	.	.	.
Non-Resident Alien (International)	1	0	1	1	1	.	.	100.0%	0%	100%	.
Unknown	1	1	.	.	.	.	.	.	100%	.	.
White	50	34	11	5	3	1	1	45.5%	68%	27%	100%
Gender											
Female	43	21	11	7	3	1	1	63.6%	49%	27%	100%
Male	31	23	7	2	1	.	.	28.6%	74%	14%	.
Age											
24 and Under	71	41	15	8	4	1	1	53.3%	58%	27%	100%
25 and Over	3	3	3	1	0	.	.	33.3%	100%	0%	.
First Generation											
First Generation	41	19	13	7	2	1	1	53.8%	46%	15%	100%
Not First Generation	33	25	5	2	2	.	.	40.0%	76%	40%	.
Pell Eligibility											
Pell Eligible	38	20	12	7	2	.	.	58.3%	53%	17%	.
Not Pell Eligible	27	17	4	1	1	.	.	25.0%	63%	25%	.
Unknown (No FAFSA)	9	7	2	1	1	1	1	50.0%	78%	50%	100%
Total	74	44	18	9	4	1	1	50.0%	59%	22%	100%

OC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native
Asian
Black or African American
Hispanic	.	.	8	4	3	.	.	50.0%	.	38%	.
Multiple races	.	.	1	1	0	.	.	100.0%	.	0%	.
Native Hawaiian and Other Pacific Islander
Non-Resident Alien (International)	.	.	3	3	2	.	.	100.0%	.	67%	.
Unknown
White	.	.	4	1	1	.	.	25.0%	.	25%	.
Gender											
Female	.	.	9	6	2	.	.	66.7%	.	22%	.
Male	.	.	7	3	4	.	.	42.9%	.	57%	.
Age											
24 and Under	.	.	10	8	5	.	.	80.0%	.	50%	.
25 and Over	.	.	6	1	1	.	.	16.7%	.	17%	.
First Generation											
First Generation	.	.	12	7	4	.	.	58.3%	.	33%	.
Not First Generation	.	.	4	2	2	.	.	50.0%	.	50%	.
Pell Eligibility											
Pell Eligible	.	.	11	5	4	.	.	45.5%	.	36%	.
Not Pell Eligible	.	.	2	1	0	.	.	50.0%	.	0%	.
Unknown (No FAFSA)	.	.	3	3	2	.	.	100.0%	.	67%	.
Total	.	.	16	9	6	.	.	56.3%	.	38%	.

PCC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	.	.	4	1	1	.	.	25.0%	.	25%	.
Asian	.	.	1	0	0	.	.	0.0%	.	0%	.
Black or African American	.	.	7	1	1	.	.	14.3%	.	14%	.
Hispanic	.	.	35	16	12	.	.	45.7%	.	34%	.
Multiple races	.	.	2	2	0	.	.	100.0%	.	0%	.
Native Hawaiian and Other Pacific Islander
Non-Resident Alien (International)
Unknown	.	.	1	0	0	.	.	0.0%	.	0%	.
White	.	.	38	21	10	.	.	55.3%	.	26%	.
Gender											
Female	.	.	47	25	14	.	.	53.2%	.	30%	.
Male	.	.	41	16	10	.	.	39.0%	.	24%	.
Age											
24 and Under	.	.	52	22	12	.	.	42.3%	.	23%	.
25 and Over	.	.	36	19	12	.	.	52.8%	.	33%	.
First Generation											
First Generation	.	.	57	23	14	.	.	40.4%	.	25%	.
Not First Generation	.	.	31	18	10	.	.	58.1%	.	32%	.
Pell Eligibility											
Pell Eligible	.	.	61	28	18	.	.	45.9%	.	30%	.
Not Pell Eligible	.	.	18	10	5	.	.	55.6%	.	28%	.
Unknown (No FAFSA)	.	.	9	3	1	.	.	33.3%	.	11%	.
Total	.	.	88	41	24	.	.	46.6%	.	27%	.

PPCC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	2	0	8	4	1	.	.	50.0%	0%	13%	.
Asian	5	4	20	16	5	.	.	80.0%	80%	25%	.
Black or African American	37	17	105	62	21	.	.	59.0%	46%	20%	.
Hispanic	115	61	254	160	63	2	.	63.0%	53%	25%	.
Multiple races	20	11	63	40	12	1	0	63.5%	55%	19%	0%
Native Hawaiian and Other Pacific Islander	1	1	8	4	1	.	0	50.0%	100%	13%	.
Non-Resident Alien (International)	.	.	7	5	1	1	.	71.4%	.	14%	.
Unknown	6	3	12	7	5	.	1	58.3%	50%	42%	.
White	187	112	525	360	142	5	.	68.6%	60%	27%	.
Gender											
Female	251	147	561	384	146	5	1	68.4%	59%	26%	20%
Male	122	62	441	274	105	4	1	62.1%	51%	24%	25%
Age											
24 and Under	196	103	572	343	135	7	1	60.0%	53%	24%	14%
25 and Over	177	106	430	315	116	2	1	73.3%	60%	27%	50%
First Generation											
First Generation	245	137	616	401	155	5	1	65.1%	56%	25%	20%
Not First Generation	128	72	386	257	96	4	1	66.6%	56%	25%	25%
Pell Eligibility											
Pell Eligible	223	125	548	365	134	5	1	66.6%	56%	24%	20%
Not Pell Eligible	68	42	230	148	64	1	0	64.3%	62%	28%	0%
Unknown (No FAFSA)	82	42	224	145	53	3	1	64.7%	51%	24%	33%
Total	373	209	1,002	658	251	9	1	65.7%	56%	25%	11%

RRCC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native	.	.	6	3	1	.	2	50.0%	.	17%	.
Asian	.	.	13	9	5	.	.	69.2%	.	38%	.
Black or African American	.	.	9	6	4	.	.	66.7%	.	44%	.
Hispanic	.	.	111	87	41	.	.	78.4%	.	37%	.
Multiple races	.	.	16	15	9	.	.	93.8%	.	56%	.
Native Hawaiian and Other Pacific Islander	.	.	2	2	1	.	.	100.0%	.	50%	.
Non-Resident Alien (International)	.	.	3	3	2	.	.	100.0%	.	67%	.
Unknown	.	.	4	4	1	.	.	100.0%	.	25%	.
White	.	.	268	222	127	.	.	82.8%	.	47%	.
Gender											
Female	.	.	264	220	112	.	.	83.3%	.	42%	.
Male	.	.	168	131	79	.	.	78.0%	.	47%	.
Age											
24 and Under	.	.	230	185	103	.	.	80.4%	.	45%	.
25 and Over	.	.	202	166	88	.	.	82.2%	.	44%	.
First Generation											
First Generation	.	.	253	203	103	.	.	80.2%	.	41%	.
Not First Generation	.	.	179	148	88	.	.	82.7%	.	49%	.
Pell Eligibility											
Pell Eligible	.	.	200	158	89	.	.	79.0%	.	45%	.
Not Pell Eligible	.	.	108	91	58	.	.	84.3%	.	54%	.
Unknown (No FAFSA)	.	.	124	102	44	.	.	82.3%	.	35%	.
Total	.	.	432	351	191	.	.	81.3%	.	44%	.

TSC	Students Taking SAI Only	SAI Only and Passed Gateway	Students Taking DE Only	Students Passing DE Course	DE Only and Passed Gateway	Students Taking DE and SAI	DE + SAI and Passed Gateway	DE Course Completion Rate	SAI Only Gateway Completion	DE Only Gateway Completion	DE and SAI Gateway Completion
Race											
American Indian or Alaskan Native
Asian
Black or African American	.	.	1	0	1	.	.	0.0%	.	100%	.
Hispanic
Multiple races
Native Hawaiian and Other Pacific Islander
Non-Resident Alien (International)
Unknown
White	.	.	2	1	0	.	.	50.0%	.	0%	.
Gender											
Female	.	.	1	1	0	.	.	100.0%	.	0%	.
Male	.	.	2	0	1	.	.	0.0%	.	50%	.
Age											
24 and Under	.	.	3	1	1	.	.	33.3%	.	33%	.
25 and Over
First Generation											
First Generation	.	.	1	1	0	.	.	100.0%	.	0%	.
Not First Generation	.	.	2	0	1	.	.	0.0%	.	50%	.
Pell Eligibility											
Pell Eligible
Not Pell Eligible	.	.	3	1	1	.	.	33.3%	.	33%	.
Unknown (No FAFSA)
Total	.	.	3	1	1	.	.	33.3%	.	33%	.

ENGLISH GATEWAY COURSE COMPLETION RATES BY CR TYPE

The following tables measure the same gateway course completion rates for DE and SAI cohorts, but are specific to English gateway courses⁴.

English Gateway Course Completion Rates by DE/SAI Students within AY 20/21 by Key Demographics

CCCS	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	Students Passing DE	DE Student Passing Gateway	DE Course Completion	SAI Gateway Completion	DE Gateway Completion
Race								
American Indian or Alaskan Native	43	19	.	.	.	.	44.2%	.
Asian	143	94	.	.	.	.	65.7%	.
Black or African American	373	161	1	0	0	0.0%	43.2%	0.0%
Hispanic	1010	429	4	2	2	50.0%	42.5%	50.0%
Multiple races	164	62	.	.	.	.	37.8%	.
Native Hawaiian and Other Pacific Islander	12	4	.	.	.	.	33.3%	.
Non-Resident Alien (International)	59	41	.	.	.	.	69.5%	.
Unknown	41	28	.	.	.	.	68.3%	.
White	1201	647	4	2	2	50.0%	53.9%	50.0%
Gender								
Female	1876	958	2	2	2	100.0%	51.1%	100.0%
Male	1170	527	7	2	2	28.6%	45.0%	28.6%
Age								
24 and Under	1902	863	6	2	2	33.3%	45.4%	33.3%
25 and Over	1144	622	3	2	2	66.7%	54.4%	66.7%
First Generation								
First Generation	2011	936	5	2	2	40.0%	46.5%	40.0%
Not First Generation	1035	549	4	2	2	50.0%	53.0%	50.0%
Pell Eligibility								
Pell Eligible	1760	839	7	3	3	42.9%	47.7%	42.9%
Not Pell Eligible	601	342	2	1	1	50.0%	56.9%	50.0%
Unknown (No FAFSA)	685	304	.	.	.	.	44.4%	.
Total	3,046	1,485	9	4	4	44.4%	48.8%	44.4%

⁴ English gateway courses include course numbers 121 and 131

ACC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	2	1	.	.	50%	.
Asian	11	6	.	.	55%	.
Black or African American	19	11	.	.	58%	.
Hispanic	72	26	.	.	36%	.
Multiple races	16	3	.	.	19%	.
Native Hawaiian and Other Pacific Islander	1	1	.	.	100%	.
Non-Resident Alien (International)	6	3	.	.	50%	.
Unknown	6	5	.	.	83%	.
White	145	80	.	.	55%	.
Gender						
Female	165	93	.	.	56%	.
Male	113	43	.	.	38%	.
Age						
24 and Under	203	92	.	.	45%	.
25 and Over	75	44	.	.	59%	.
First Generation						
First Generation	145	66	.	.	46%	.
Not First Generation	133	70	.	.	53%	.
Pell Eligibility						
Pell Eligible	105	50	.	.	48%	.
Not Pell Eligible	74	39	.	.	53%	.
Unknown (No FAFSA)	99	47	.	.	47%	.
Total	278	136	.	.	49%	.

CCA	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	1	0	.	.	0%	.
Asian	18	9	.	.	50%	.
Black or African American	86	40	.	.	47%	.
Hispanic	94	43	.	.	46%	.
Multiple races	15	4	.	.	27%	.
Native Hawaiian and Other Pacific Islander	2	0	.	.	0%	.
Non-Resident Alien (International)	5	4	.	.	80%	.
Unknown	7	5	.	.	71%	.
White	67	39	.	.	58%	.
Gender						
Female	181	90	.	.	50%	.
Male	114	54	.	.	47%	.
Age						
24 and Under	167	79	.	.	47%	.
25 and Over	128	65	.	.	51%	.
First Generation						
First Generation	211	101	.	.	48%	.
Not First Generation	84	43	.	.	51%	.
Pell Eligibility						
Pell Eligible	170	80	.	.	47%	.
Not Pell Eligible	62	34	.	.	55%	.
Unknown (No FAFSA)	63	30	.	.	48%	.
Total	295	144	.	.	49%	.

CCD	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	11	6	.	.	55%	.
Asian	41	34	.	.	83%	.
Black or African American	114	46	.	.	40%	.
Hispanic	215	92	.	.	43%	.
Multiple races	24	6	.	.	25%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	19	12	.	.	63%	.
Unknown	10	7	.	.	70%	.
White	151	92	.	.	61%	.
Gender						
Female	343	187	.	.	55%	.
Male	242	108	.	.	45%	.
Age						
24 and Under	379	186	.	.	49%	.
25 and Over	206	109	.	.	53%	.
First Generation						
First Generation	421	200	.	.	48%	.
Not First Generation	164	95	.	.	58%	.
Pell Eligibility						
Pell Eligible	370	181	.	.	49%	.
Not Pell Eligible	109	66	.	.	61%	.
Unknown (No FAFSA)	106	48	.	.	45%	.
Total	585	295	.	.	50%	.

CNCC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	Students Passing DE	DE Student Passing Gateway	DE Course Completion	SAI Gateway Completion	DE Gateway Completion
Race								
American Indian or Alaskan Native	.	.	.	.	.	.	.	.
Asian	.	.	.	.	.	.	.	.
Black or African American	3	3	1	0	0	0.0%	100%	0%
Hispanic	8	5	4	2	2	50.0%	63%	50%
Multiple races	.	.	.	.	.	.	.	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.	.	.
Non-Resident Alien (International)	.	.	.	.	.	.	.	.
Unknown	.	.	.	.	.	.	.	.
White	11	7	4	2	2	50.0%	64%	50%
Gender								
Female	15	12	2	2	2	100.0%	80%	100%
Male	7	3	7	2	2	28.6%	43%	29%
Age								
24 and Under	16	10	6	2	2	33.3%	63%	33%
25 and Over	6	5	3	2	2	66.7%	83%	67%
First Generation								
First Generation	16	11	5	2	2	40.0%	69%	40%
Not First Generation	6	4	4	2	2	50.0%	67%	50%
Pell Eligibility								
Pell Eligible	12	9	7	3	3	42.9%	75%	43%
Not Pell Eligible	5	4	2	1	1	50.0%	80%	50%
Unknown (No FAFSA)	5	2	.	.	.	.	40%	.
Total	22	15	9	4	4	44.4%	68%	44%

FRCC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	7	2	.	.	29%	.
Asian	39	25	.	.	64%	.
Black or African American	22	8	.	.	36%	.
Hispanic	191	88	.	.	46%	.
Multiple races	18	11	.	.	61%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	9	5	.	.	56%	.
Unknown	5	3	.	.	60%	.
White	224	124	.	.	55%	.
Gender						
Female	310	178	.	.	57%	.
Male	205	88	.	.	43%	.
Age						
24 and Under	338	174	.	.	51%	.
25 and Over	177	92	.	.	52%	.
First Generation						
First Generation	316	153	.	.	48%	.
Not First Generation	199	113	.	.	57%	.
Pell Eligibility						
Pell Eligible	250	130	.	.	52%	.
Not Pell Eligible	115	69	.	.	60%	.
Unknown (No FAFSA)	150	67	.	.	45%	.
Total	515	266	.	.	52%	.

LCC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	1	1	.	.	100%	.
Asian	.	.	.	.	.	.
Black or African American	1	0	.	.	0%	.
Hispanic	6	1	.	.	17%	.
Multiple races	3	1	.	.	33%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	1	1	.	.	100%	.
Unknown	.	.	.	.	.	.
White	2	0	.	.	0%	.
Gender						
Female	8	1	.	.	13%	.
Male	6	3	.	.	50%	.
Age						
24 and Under	12	4	.	.	33%	.
25 and Over	2	0	.	.	0%	.
First Generation						
First Generation	9	4	.	.	44%	.
Not First Generation	5	0	.	.	0%	.
Pell Eligibility						
Pell Eligible	10	3	.	.	30%	.
Not Pell Eligible	2	0	.	.	0%	.
Unknown (No FAFSA)	2	1	.	.	50%	.
Total	14	4	.	.	29%	.

MCC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	.	.	.	.	.	.
Asian	.	.	.	.	.	.
Black or African American	7	3	.	.	43%	.
Hispanic	4	2	.	.	50%	.
Multiple races	.	.	.	.	.	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	.	.	.	.	.	.
Unknown	.	.	.	.	.	.
White	2	1	.	.	50%	.
Gender						
Female	10	3	.	.	30%	.
Male	3	3	.	.	100%	.
Age						
24 and Under	11	5	.	.	45%	.
25 and Over	2	1	.	.	50%	.
First Generation						
First Generation	11	6	.	.	55%	.
Not First Generation	2	0	.	.	0%	.
Pell Eligibility						
Pell Eligible	12	5	.	.	42%	.
Not Pell Eligible	1	1	.	.	100%	.
Unknown (No FAFSA)	.	.	.	.	.	.
Total	13	6	.	.	46%	.

NJC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	.	.	.	.	.	.
Asian	1	1	.	.	100%	.
Black or African American	2	1	.	.	50%	.
Hispanic	15	8	.	.	53%	.
Multiple races	2	1	.	.	50%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	.	.	.	.	.	.
Unknown	.	.	.	.	.	.
White	23	12	.	.	52%	.
Gender						
Female	27	16	.	.	59%	.
Male	16	7	.	.	44%	.
Age						
24 and Under	40	21	.	.	53%	.
25 and Over	3	2	.	.	67%	.
First Generation						
First Generation	30	15	.	.	50%	.
Not First Generation	13	8	.	.	62%	.
Pell Eligibility						
Pell Eligible	25	17	.	.	68%	.
Not Pell Eligible	11	4	.	.	36%	.
Unknown (No FAFSA)	7	2	.	.	29%	.
Total	43	23	.	.	53%	.

OC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	.	.	.	.	.	.
Asian	.	.	.	.	.	.
Black or African American	1	1	.	.	100%	.
Hispanic	4	0	.	.	0%	.
Multiple races	.	.	.	.	.	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	6	6	.	.	100%	.
Unknown	.	.	.	.	.	.
White	3	1	.	.	33%	.
Gender						
Female	5	1	.	.	20%	.
Male	9	7	.	.	78%	.
Age						
24 and Under	11	6	.	.	55%	.
25 and Over	3	2	.	.	67%	.
First Generation						
First Generation	8	3	.	.	38%	.
Not First Generation	6	5	.	.	83%	.
Pell Eligibility						
Pell Eligible	6	2	.	.	33%	.
Not Pell Eligible	.	.	.	.	.	.
Unknown (No FAFSA)	8	6	.	.	75%	.
Total	14	8	.	.	57%	.

PCC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	7	4	.	.	57%	.
Asian	2	0	.	.	0%	.
Black or African American	2	1	.	.	50%	.
Hispanic	76	23	.	.	30%	.
Multiple races	7	0	.	.	0%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	.	.	.	.	.	.
Unknown	2	0	.	.	0%	.
White	42	13	.	.	31%	.
Gender						
Female	113	34	.	.	30%	.
Male	25	7	.	.	28%	.
Age						
24 and Under	85	23	.	.	27%	.
25 and Over	53	18	.	.	34%	.
First Generation						
First Generation	111	31	.	.	28%	.
Not First Generation	27	10	.	.	37%	.
Pell Eligibility						
Pell Eligible	110	35	.	.	32%	.
Not Pell Eligible	14	3	.	.	21%	.
Unknown (No FAFSA)	14	3	.	.	21%	.
Total	138	41	.	.	30%	.

PPCC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	14	5	.	.	36%	.
Asian	28	17	.	.	61%	.
Black or African American	114	46	.	.	40%	.
Hispanic	312	137	.	.	44%	.
Multiple races	76	35	.	.	46%	.
Native Hawaiian and Other Pacific Islander	9	3	.	.	33%	.
Non-Resident Alien (International)	11	8	.	.	73%	.
Unknown	10	8	.	.	80%	.
White	514	271	.	.	53%	.
Gender						
Female	676	335	.	.	50%	.
Male	412	195	.	.	47%	.
Age						
24 and Under	611	252	.	.	41%	.
25 and Over	477	278	.	.	58%	.
First Generation						
First Generation	709	337	.	.	48%	.
Not First Generation	379	193	.	.	51%	.
Pell Eligibility						
Pell Eligible	673	320	.	.	48%	.
Not Pell Eligible	200	118	.	.	59%	.
Unknown (No FAFSA)	215	92	.	.	43%	.
Total	1,088	530	.	.	49%	.

RRCC	Students Taking SAI	SAI Students Passing Gateway	Students Taking DE	DE Student Passing Gateway	SAI Gateway Completion	DE Gateway Completion
Race						
American Indian or Alaskan Native	.	.	.	.	.	.
Asian	3	2	.	.	67%	.
Black or African American	2	1	.	.	50%	.
Hispanic	13	4	.	.	31%	.
Multiple races	3	1	.	.	33%	.
Native Hawaiian and Other Pacific Islander	.	.	.	.	.	.
Non-Resident Alien (International)	2	2	.	.	100%	.
Unknown	1	0	.	.	0%	.
White	17	7	.	.	41%	.
Gender						
Female	23	8	.	.	35%	.
Male	18	9	.	.	50%	.
Age						
24 and Under	29	11	.	.	38%	.
25 and Over	12	6	.	.	50%	.
First Generation						
First Generation	24	9	.	.	38%	.
Not First Generation	17	8	.	.	47%	.
Pell Eligibility						
Pell Eligible	17	7	.	.	41%	.
Not Pell Eligible	8	4	.	.	50%	.
Unknown (No FAFSA)	16	6	.	.	38%	.
Total	41	17	.	.	41%	.

APPENDIX: METHODOLOGY

DATA SOURCE:

Dev Ed student report data were pulled from the operational data store (ODS) at the Colorado Community College System office. Populations in the majority of the sections were pulled from freeze tables for consistency, and are reflective of the end-of-term freeze for a given academic term. The end-of-term freeze dates allow time for data entry and cleanup after the actual end of the semester. End-of-term freeze dates are as follows:

- Summer – October 10
- Fall – February 10
- Spring – July 10

METHODOLOGY:

CCCS headcount: Unduplicated headcount of overall CCCS population, including students taking non-countable courses.

Course Completion: A successful completion in this report entails receiving a grade of 'C' or better. Fail courses include withdrawals. Pass rate is calculated by dividing the number of students passed (any grade of A, B, C, S/A, S/B, S/C, S) by total number of enrolled students (any student who received a grade, including W).

Developmental Education (DE) Courses: Any course subject = 'MAT' with a course number less than 070 or equal to 106. Also, any course subject in 'ENG', 'CCR', or 'REA' with a course number less than 070 or 100-102. Additionally, CCR 092 was considered DE at CNCC only for purposes of this report.

Gateway Courses: Any course subject 'ENG' with course number 121 or 131. Additionally any course subject 'MAT' with course number in ('120', '121', '135', '107', '108', '109', '103', '112', '123').

High School Students: High school students are omitted from this report. The criteria for which are any students with an active student attribute like 'HS%' or 'GTC%' or a student type of 'H' or 'L' in a given academic term.

Race/ethnicity: IPEDS's definition of race/ethnicity is used in this report.

Supplemental Academic Instruction (SAI) Courses: Any course subjects 'MAT', 'ENG', or 'CCR' with course numbers 070-099.