Math Success Rates and Throughput Study
(July 2024)

1) Starting with all students who enrolled in Math 176 in fall 2023 as a first-math class, what percentage of them completed Math 180 by the end of spring 2024? Starting with all students who enrolled in Math 176+076 in fall 2023 as a first-math class, what percentage of them completed Math 180 by the end of spring 2024?

Math 180 Enrollment and Success by Initial Math 176 Class

| | MATH176+076 Cohort | | | MATH 176 Cohort | | |
| | Enrolled in Math 180 | Successful | | Enrolled in Math 180 | Successful | |
Race/Ethnicity	#	#	%	#	#	%
Asian	4	1	25%	7	1	14%
African American/Black	--	--	--	5	2	40%
Hispanic/Latinx	34	6	18%	36	7	19%
Middle Eastern	16	4	25%	32	9	28%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	1	0	0%	2	0	0%
White	12	5	42%	30	9	30%
Other/Unknown	--	--	--	2	0	0%
Total	67	16	24%	114	28	25%
Gender	**#**	**#**	**%**	**#**	**#**	**%**
Female	20	5	25%	47	9	19%
Male	47	11	23%	64	19	30%
Unknown	--	--	--	3	0	0%
Total	67	16	24%	114	28	25%
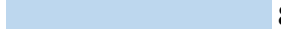
2) Starting with all students who enrolled in Math 180 with Math 080 in fall 2023 or spring 2024 as a first-math class and a placement score of 15X or below, what percentage of them completed Math 180 in that first semester?

Math 180 Enrollment and Success by Term Among Students with a Placement of 15x or Below						
	Fall 2023			Spring 2024		
	Cohort	Successful		Cohort	Successful	
Race/Ethnicity	#	#	%	#	#	%
Asian	6	4	67%	1	1	100%
African American/Black	4	2	50%	--	--	--
Hispanic/Latinx	13	9	69%	7	5	71%
Middle Eastern	18	13	72%	7	6	86%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	5	3	60%	1	1	100%
White	9	8	89%	2	1	50%
Other/Unknown	--	--	--	--	--	--
Total	*55*	*39*	*71%*	*18*	*14*	*78%*
Gender	#	#	%	#	#	%
Female	15	10	67%	5	4	80%
Male	38	28	74%	12	10	83%
Unknown	2	1	50%	1	0	0%
Total	*55*	*39*	*71%*	*18*	*14*	*78%*

3) Starting with all students who enrolled in Math 180 with Math 080 in fall 2023 or spring 2024 as a first-math class and a placement score of 17X, what percentage of them completed Math 180 in that first semester?

Math 180 Enrollment and Success in First Semester Among Students with a Placement of 17x						
	Fall 2023			**Spring 2024**		
	Cohort	**Successful**		**Cohort**	**Successful**	
Race/Ethnicity	**#**	**#**	**%**	**#**	**#**	**%**
Asian	--	--	--	1	0	0%
African American/Black	--	--	--	1	0	0%
Hispanic/Latinx	8	4	50%	4	2	50%
Middle Eastern	2	0	0%	4	3	75%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	1	0	0%	2	1	50%
White	5	4	80%	1	0	0%
Other/Unknown	--	--	--	--	--	--
Total	*16*	*8*	*50%*	*13*	*6*	*46%*
Gender	**#**	**#**	**%**	**#**	**#**	**%**
Female	4	1	25%	4	2	50%
Male	12	7	58%	9	4	44%
Unknown	--	--	--	--	--	--
Total	*16*	*8*	*50%*	*13*	*6*	*46%*

4) Starting with all students who enrolled in Math 180 with Math 080 in fall 2023 or spring 2024 as a first-math class and with a placement score of 15X or below, what percentage of them completed Math 180 by the end of spring 2024 (this can include multiple attempts for students who first enrolled in fall 2023)?

Fall 2023 and Spring 2024 Math 180+080 Success Rates Among Students with a Placement of 15x or Below			
	Cohort	Successful by Spring 2024	
Race/Ethnicity	**#**	**#**	**%**
Asian	7	5	71%
African American/Black	4	2	50%
Hispanic/Latinx	20	14	70%
Middle Eastern	25	21	84%
Native American	--	--	--
Pacific Islander	--	--	--
Two or more	6	4	67%
White	11	9	82%
Other/Unknown	--	--	--
Total	*73*	*55*	*75%*
Gender	**#**	**#**	**%**
Female	20	14	70%
Male	50	40	80%
Unknown	3	1	33%
Total	*73*	*55*	*75%*

5) Starting with all students who enrolled in Math 180 with Math 080 in fall 2023 or spring 2024 as a first-math class and with a placement score of 17X, what percentage of them completed Math 180 by the end of spring 2024 (this can include multiple attempts for students who first enrolled in fall 2023)?

Fall 2023 and Spring 2024 Math 180+080 Success Rates Among Students with of Placement 17x				
	Cohort		Successful by Spring 2024	
Race/Ethnicity	**#**		**#**	**%**
Asian	1		0	0%
African American/Black	1		0	0%
Hispanic/Latinx	12		6	50%
Middle Eastern	6		3	50%
Native American	--		--	--
Pacific Islander	--		--	--
Two or more	3		1	33%
White	6		4	67%
Other/Unknown	--		--	--
Total	*29*		*14*	*48%*
Gender	**#**		**#**	**%**
Female	8		3	38%
Male	21		11	52%
Unknown	--		--	--
Total	*29*		*14*	*48%*

6) Starting with all students who enrolled in Math 180 (without Math 080) in fall 2023 or spring 2024 as a first-math class, what is the success rate on their first attempt based on the student's GPA used for their placement?

Fall 2023 and Spring 2024 First-Math 180 Without 080 Success Rates by GPA					
	Fall 2023			**Spring 2024**	
	Cohort	**Successful**		**Cohort**	**Successful**	
Under 2.6	**#**	**#**	**%**	**#**	**#**	**%**
Asian	--	--	--	1	1	100%
African American/Black	--	--	--	--	--	--
Hispanic/Latinx	4	1	25%	4	0	0%
Middle Eastern	1	0	0%	9	4	44%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	--	--	--	1	1	100%
White	1	1	100%	2	1	50%
Other/Unknown	--	--	--	--	--	--
Total	*6*	*2*	33%	*17*	*7*	41%
Female	--	--	--	6	2	33%
Male	6	2	33%	11	5	45%
Unknown Gender	--	--	--	--	--	--
Total	*6*	*2*	33%	*17*	*7*	41%
2.6-2.79	**#**	**#**	**%**	**#**	**#**	**%**
Asian	--	--	--	--	--	--
African American/Black	1	0	0%	--	--	--
Hispanic/Latinx	3	2	67%	3	2	67%
Middle Eastern	--	--	--	1	0	0%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	--	--	--	--	--	--
White	--	--	--	3	1	33%
Other/Unknown	--	--	--	--	--	--
Total	*4*	*2*	50%	*7*	*3*	43%
Female	2	1	50%	3	2	67%
Male	2	1	50%	4	1	25%
Unknown Gender	--	--	--	--	--	--
Total	*4*	*2*	50%	*7*	*3*	43%

Fall 2023 and Spring 2024 First-Math 180 Without 080 Success Rates by GPA						
	Fall 2023			Spring 2024		
	Cohort	Successful		Cohort	Successful	
2.8-2.99	#	#	%	#	#	%
Asian	1	1	100%	1	0	0%
African American/Black	--	--	--	--	--	--
Hispanic/Latinx	4	1	25%	5	1	20%
Middle Eastern	1	1	100%	2	1	50%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	1	0	0%	2	1	50%
White	1	1	100%	2	2	100%
Other/Unknown	--	--	--	1	1	100%
Total	*8*	*4*	50%	*13*	*6*	46%
Female	4	2	50%	6	3	50%
Male	4	2	50%	7	3	43%
Unknown Gender	--	--	--	--	--	--
Total	*8*	*4*	50%	*13*	*6*	46%
3.0-3.29	#	#	%	#	#	%
Asian	3	0	0%	1	1	100%
African American/Black	1	0	0%	--	--	--
Hispanic/Latinx	4	2	50%	10	7	70%
Middle Eastern	6	3	50%	2	2	100%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	1	0	0%	--	--	--
White	3	2	67%	8	3	38%
Other/Unknown	--	--	--	1	1	100%
Total	*18*	*7*	39%	*22*	*14*	64%
Female	5	2	40%	9	4	44%
Male	12	5	42%	11	10	91%
Unknown Gender	1	0	0%	2	0	0%
Total	*18*	*7*	39%	*22*	*14*	64%
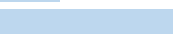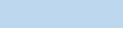
Fall 2023 and Spring 2024 First-Math 180 Without 080 Success Rates by GPA						
	Fall 2023			**Spring 2024**		
	Cohort	**Successful**		**Cohort**	**Successful**	
3.3 or higher	**#**	**#**	**%**	**#**	**#**	**%**
Asian	3	2	67%	3	2	67%
African American/Black	1	0	0%	6	5	83%
Hispanic/Latinx	14	7	50%	18	9	50%
Middle Eastern	7	5	71%	12	9	75%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	4	2	50%	4	2	50%
White	17	11	65%	13	11	85%
Other/Unknown	3	1	33%	1	0	0%
Total	*49*	*28*	*57%*	*57*	*38*	*67%*
Female	23	12	52%	24	15	63%
Male	26	16	62%	32	23	72%
Unknown Gender	--	--	--	1	0	0%
Total	*49*	*28*	*57%*	*57*	*38*	*67%*
No high school GPA	**#**	**#**	**%**	**#**	**#**	**%**
Asian	--	--	--	1	1	100%
African American/Black	--	--	--	--	--	--
Hispanic/Latinx	--	--	--	3	2	67%
Middle Eastern	1	0	0%	2	2	100%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	--	--	--	--	--	--
White	1	1	100%	2	2	100%
Other/Unknown	--	--	--	--	--	--
Total	*2*	*1*	*50%*	*8*	*7*	*88%*
Female	1	0	0%	5	4	80%
Male	1	1	100%	2	2	100%
Unknown Gender	--	--	--	1	1	100%
Total	*2*	*1*	*50%*	*8*	*7*	*88%*

Fall 2023 and Spring 2024 First-Math 180 Without 080 Success Rates by GPA

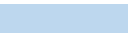| All GPAs	Fall 2023 Cohort #	Successful #	%	Spring 2024 Cohort #	Successful #	%
Asian	7	3	43%	7	5	71%
African American/Black	3	0	0%	6	5	83%
Hispanic/Latinx	29	13	45%	43	21	49%
Middle Eastern	16	9	56%	28	18	64%
Native American	--	--	--	--	--	--
Pacific Islander	--	--	--	--	--	--
Two or more	6	2	33%	7	4	57%
White	23	16	70%	30	20	67%
Other/Unknown	3	1	33%	3	2	67%
Total	*87*	*44*	*51%*	*124*	*75*	*60%*
Female	35	17	49%	53	30	57%
Male	51	27	53%	67	44	66%
Unknown Gender	1	0	0%	4	1	25%
Total	*87*	*44*	*51%*	*124*	*75*	*60%*
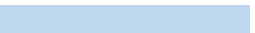
7) What is the gender breakdown for all students enrolled in Math 180 versus math 280 in fall 2023 and spring 2024? Do as individual semesters and combined.

Math 180 and Math 280 Enrollment by Gender

Gender	MATH-180 Fall 2023 #	%	Spring 2024 #	%	Total #	%	MATH-280 Fall 2023 #	%	Spring 2024 #	%	Total #	%	Both Courses Total #	%
Female	96	36%	106	40%	202	38%	32	27%	51	32%	83	30%	285	35%
Male	164	62%	151	57%	315	60%	85	71%	107	67%	192	69%	507	63%
Unknown	4	2%	7	3%	11	2%	2	2%	1	1%	3	1%	14	2%
Total	*264*	*100%*	*264*	*100%*	*528*	*100%*	*119*	*100%*	*159*	*100%*	*278*	*100%*	*806*	*100%*

8) Starting with all students who enrolled in Math 180 with Math 080 in fall 2023 as a first-math class and with a placement score of 15X or below (see the list of students sent separately), what percentage succeeded in Math 280 in spring 2024?

	Math 280 Enrollment and Success by Initial Math 180+080 Class Among Students with a Placement of 15x or Below				
	Math 180+080 Cohort	Cohort Success in Math 180	Enrolled Math 280	1-Year Cohort Success in Math 280	
Ethnicity	#	#	#	#	%
Asian	6	4	4	4	67%
African American/Black	4	2	0	0	0%
Hispanic/Latinx	13	9	7	4	31%
Middle Eastern	18	13	10	8	44%
Native American	--	--	--	--	--
Pacific Islander	--	--	--	--	--
Two or more	5	3	2	1	20%
White	9	8	7	5	56%
Other/Unknown	--	--	--	--	--
Total	55	39	30	22	40%
Gender	#	#	#	#	%
Female	15	10	7	6	40%
Male	38	28	23	16	42%
Unknown	2	1	0	0	0%
Total	55	39	30	22	40%

9) Starting with all students who enrolled in Math 180 with Math 080 in fall 2023 as a first-math class and had a placement score of 17X (see the list of students sent separately), what percentage succeeded in Math 280 in spring 2024?

	Math 280 Enrollment and Success by Initial Math 180+080 Class Among Students with a Placement of 17x				
	Math 180+080 Cohort	Cohort Success in Math 180	Enrolled Math 280	1-Year Cohort Success in Math 280	
Ethnicity	#	#	#	#	%
Asian	--	--	--	--	--
African American/Black	--	--	--	--	--
Hispanic/Latinx	8	4	3	2	25%
Middle Eastern	2	0	0	0	0%
Native American	--	--	--	--	--
Pacific Islander	--	--	--	--	--
Two or more	1	0	0	0	0%
White	5	4	4	4	80%
Other/Unknown	--	--	--	--	--
Total	16	8	7	6	38%
Gender	#	#	#	#	%
Female	4	1	1	1	25%
Male	12	7	6	5	42%
Unknown	--	--	--	--	--
Total	16	8	7	6	38%

10) Starting with all students who enrolled in Math 180 without Math 080 in fall 2023 as a first-math class, what percentage succeeded in math 280 in spring 2024?

Ethnicity	Math 180 Cohort #	Cohort Success in Math 180 #	Enrolled Math 280 #	1-Year Cohort Success in Math 280 #	%
Asian	7	3	2	2	29%
African American/Black	3	0	0	0	0%
Hispanic/Latinx	29	13	9	9	31%
Middle Eastern	16	9	1	1	6%
Native American	--	--	--	--	--
Pacific Islander	--	--	--	--	--
Two or more	6	2	0	0	0%
White	23	16	7	7	30%
Other/Unknown	3	1	0	0	0%
Total	87	44	19	19	22%
Gender	#	#	#	#	%
Female	35	17	5	5	14%
Male	51	27	14	14	27%
Unknown	1	0	0	0	0%
Total	87	44	19	19	22%

Math 280 Enrollment and Success by Initial Math 180 Class Without 080