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**Date:** October 13, 2016

**Subject:** Puente Cohort Analysis, 2013-2016

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This report examines academic outcomes for four Puente cohorts: 2013, 2014, 2015, and 2016. In particular, the math basic skills sequence, degree/certificate, and transfer outcomes of Puente students are compared to non-Puente cohorts.

Similar to Puente, non-Puente students consist of students enrolled in EWRT, READ, or LART 211 and their assignment to a cohort year is determined by the first year in which they enrolled in their English basic skills 211 course. Since Puente consists of mostly Latino/a students, the analyses in this report focuses on this ethnic group. Given these criteria, there is a total of 145 Puente and 4,319 non-Puente students.

### **Key Findings**

**Course Outcomes:** Puente students have a higher course completion rate than non-Puente students, 70% vs. 66%, and lower non-success and withdraw rates (21% and 8%) than their counterpart (24% and 10%).

**Two-Term Academic Probation:** Puente students (13%) are less likely than non-Puente (26%) students to be placed on two-term academic probation.

**Cumulative GPA:** Puente students are more likely than non-Puente students to have a cumulative GPA of 3.0 or higher, 39% vs. 20%.

**Enrolled in Basic Skills:** The majority of Puente and non-Puente students have enrolled in an English basic skills course. Since EWRT/READ/LART 211 is a criteria used to assign students to a cohort this finding is not too surprising. About one-third of Puente and non-Puente students' basic skills enrollment consists of a math course, 35% and 33%, respectively.

**Math Basic Skills Completion:** Puente students have a higher math basic skills sequence completion rate than non-Puente students, 45% vs. 22%. The majority of those who completed the sequence completed their transfer-level math course *one year after* starting basic skills math.

**Degree and Certificate Completion:** Between 2012-13 and 2015-16, 44 Puente and 331 non-Puente students graduated. Puente and non-Puente students attained degrees at varying rates, 30% vs. 8%, and earned certificates at the same rate (1%).

**Transfer:** Thus far, 35 out of the 145 Puente students have transferred to a four-year college or university. The majority of these students (97%) transferred to a public four-year institution, notably a California State University.

## Academic Outcomes | 2012-13 to 2015-16

Note: Unless specified, the analyses in this document are averages of 2013-2016 data.

### Course Outcomes

- Consistently across the four cohorts, Puente students have a higher course completion rate than non-Puente students, 70% vs. 66%.
- Puente students have lower non-success and withdraw rates (21% and 8%) than their counterpart (24% and 10%).

Table 1: Course Outcomes, Puente vs. Non-Puente

Course Outcomes	2013 Cohort		2014 Cohort		2015 Cohort		2016 Cohort		Average of All Cohorts	
	Students	Percent	Students	Percent	Students	Percent	Students	Percent	Students	Percent
<b>Puente</b>										
Success	298	67%	225	70%	208	71%	145	79%	219	70%
Non-Success	109	24%	68	21%	62	21%	28	15%	67	21%
Withdrew	41	9%	29	9%	22	8%	11	6%	26	8%
<b>Total</b>	<b>448</b>	<b>100%</b>	<b>322</b>	<b>100%</b>	<b>292</b>	<b>100%</b>	<b>184</b>	<b>100%</b>	<b>312</b>	<b>100%</b>
<b>Non-Puente</b>										
Success	5,470	66%	5,559	66%	5,070	65%	3,895	68%	4,999	66%
Non-Success	1,997	24%	2,017	24%	1,908	24%	1,325	23%	1,812	24%
Withdrew	872	10%	841	10%	832	11%	501	9%	762	10%
<b>Total</b>	<b>8,339</b>	<b>100%</b>	<b>8,417</b>	<b>100%</b>	<b>7,810</b>	<b>100%</b>	<b>5,721</b>	<b>100%</b>	<b>7,572</b>	<b>100%</b>

Success reflects course grades of A, B, C, or Pass. Non-Success reflects grades of D, F, Not Pass, or Incomplete.

### Course Success by Gender

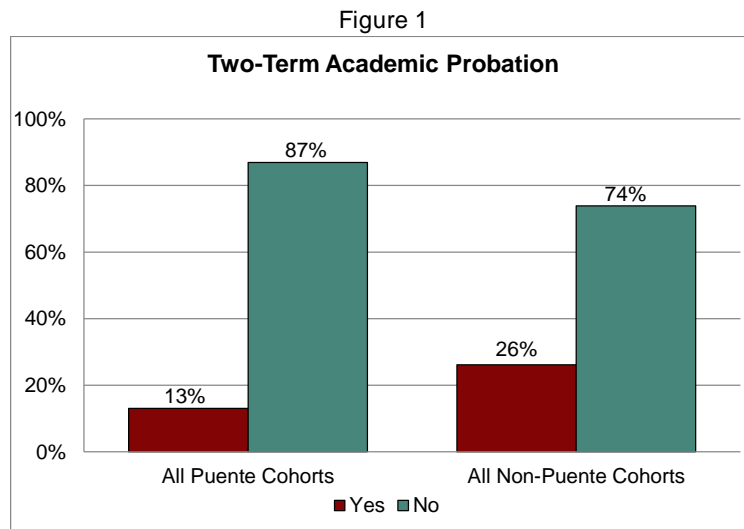
- For both Puente and non-Puente groups, female students have a higher course completion rate than male students.
  - Puente: 71% female vs. 69% male
  - Non-Puente: 67% female vs. 65% male
- Comparison across the two groups reveals that Latina and Latino Puente students completed their courses at a higher rate than compared to their non-Puente counterparts.
  - Female students: Puente 71% vs. non-Puente 67%
  - Male students: Puente 69% vs. non-Puente 65%

Table 2: Course Success by Gender

Course Outcomes by Gender	2013 Cohort				2014 Cohort				2015 Cohort				2016 Cohort				Average of All Cohorts					
	Females	Percent	Males	Percent	Females	Percent	Males	Percent	Females	Percent	Males	Percent	Females	Percent	Males	Percent	Females	Percent	Males	Percent		
<b>Puente</b>																						
Success	176	67%	122	66%	136	69%	89	71%	98	74%	110	69%	85	83%	60	74%	124	71%	95	69%		
Non-Success	62	24%	47	25%	43	22%	25	20%	26	20%	36	23%	12	12%	16	20%	36	21%	31	22%		
Withdrew	24	9%	17	9%	18	9%	11	9%	8	6%	14	9%	6	6%	5	6%	14	8%	12	9%		
<b>Total</b>	<b>262</b>	<b>100%</b>	<b>186</b>	<b>100%</b>	<b>197</b>	<b>100%</b>	<b>125</b>	<b>100%</b>	<b>132</b>	<b>100%</b>	<b>160</b>	<b>100%</b>	<b>103</b>	<b>100%</b>	<b>81</b>	<b>100%</b>	<b>174</b>	<b>100%</b>	<b>138</b>	<b>100%</b>		
<b>Non-Puente</b>																						
Success	2,983	67%	2,473	64%	3,061	67%	2,466	65%	2,576	66%	2,479	64%	2,014	69%	1,856	67%	2,659	67%	2,319	65%		
Non-Success	1,030	23%	960	25%	1,057	23%	954	25%	936	24%	962	25%	629	22%	687	25%	913	23%	891	25%		
Withdrew	464	10%	406	11%	447	10%	390	10%	407	10%	422	11%	257	9%	240	9%	394	10%	365	10%		
<b>Total</b>	<b>4,477</b>	<b>100%</b>	<b>3,839</b>	<b>100%</b>	<b>4,565</b>	<b>100%</b>	<b>3,810</b>	<b>100%</b>	<b>3,919</b>	<b>100%</b>	<b>3,863</b>	<b>100%</b>	<b>2,900</b>	<b>100%</b>	<b>2,783</b>	<b>100%</b>	<b>3,965</b>	<b>100%</b>	<b>3,574</b>	<b>100%</b>		

## Two-Term Academic Probation

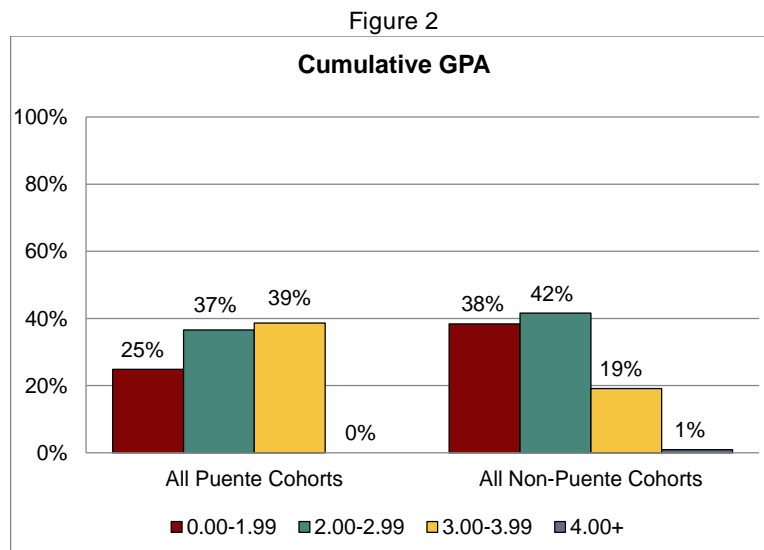
- Puente students (13%) are less likely than non-Puente (26%) students to be placed on two-term academic probation.



Two-term academic probation occurs when a student attempted at least 18 quarter units and had a cumulative GPA of 2.0 or lower for two consecutive terms.

## Cumulative GPA

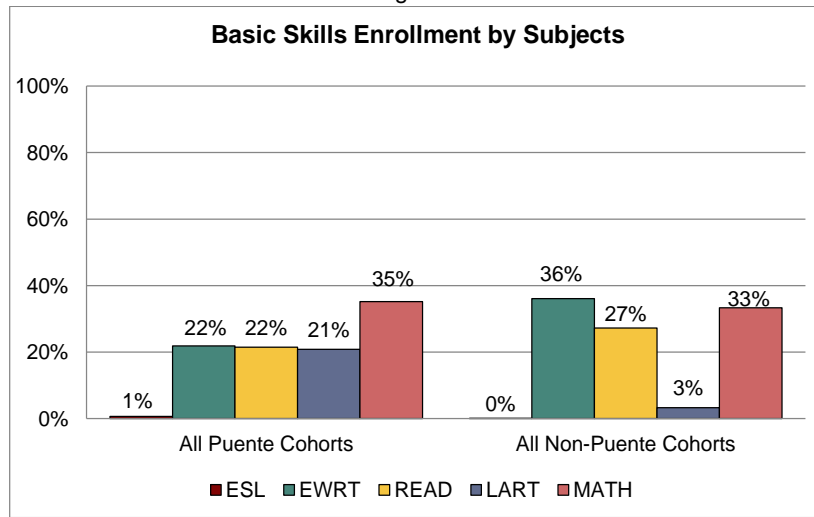
- Puente students are more likely than non-Puente students to have a cumulative GPA of 3.0 or higher, 39% vs. 20%.



## Enrollment in Basic Skills Course

- Since EWRT/READ/LART 211 is a criteria used to assign students to a cohort, the majority of Puente and non-Puente students' basic skills enrollment consists of an English basic skills course, 64% and 67%.
- While placement into basic skills math is not a criteria for Puente eligibility, more than one-third (35%) of Puente students' basic skills enrollment includes a math course.

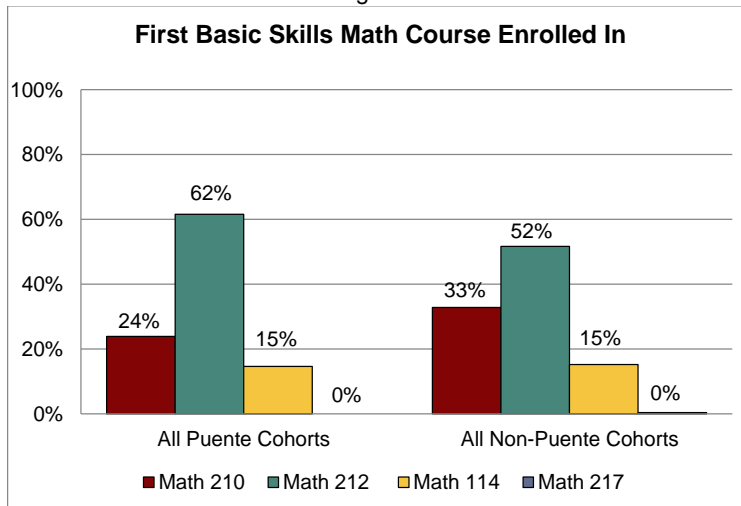
Figure 3



**First Basic Skills Math Course Enrolled In**

- The first basic skills math course most Puente and non-Puente students enrolled in is Math 212 (62% and 52%), followed by Math 210 and Math 114.

Figure 4



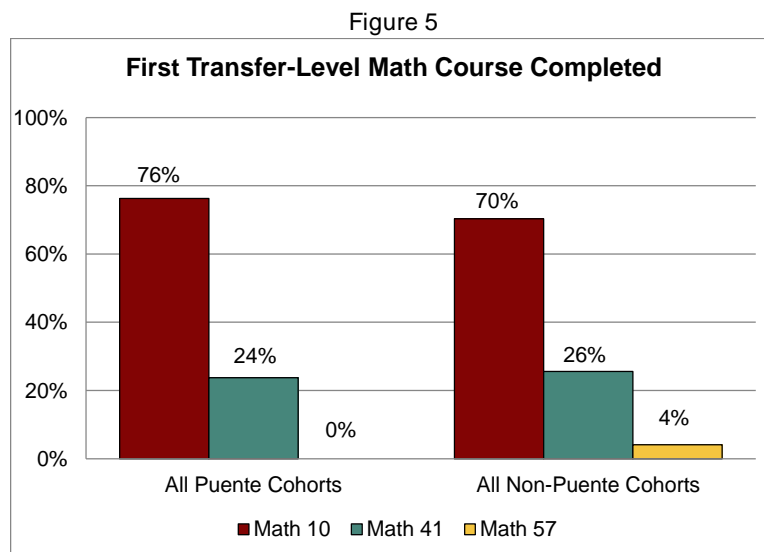
- The majority of Puente (72%) and non-Puente (77%) students enrolled in their first basic skills math course in the same year as when they started their cohort.

Table 3: First Term Enrolled In a Basic Skills Math Course

	Average			
	All Puente Cohorts		All Non-Puente Cohorts	
	Students	Percent	Students	Percent
Three years or more <i>prior</i> to cohort start	0	0%	18	2%
Two years <i>prior</i> to cohort start	2	5%	32	3%
One year <i>prior</i> to cohort start	4	11%	110	12%
Same year as cohort start	23	72%	720	77%
One year <i>after</i> cohort start	4	13%	52	6%
Two years <i>after</i> cohort start	0	0%	5	0%
Three years or more <i>after</i> cohort start	0	0%	1	0%
<b>Total</b>	<b>33</b>	<b>100%</b>	<b>936</b>	<b>100%</b>

## First Transfer-Level Math Course Completed

- The first transfer-level math course Puente and non-Puente students completed is Math 10, 76% and 70%, respectively.



## Math Basic Skills Completion Rate

In table 4, Puente and non-Puente students who enrolled in a basic skills math course are tracked through summer 2016 to determine how many completed the basic skills sequence.

- Among the students who enrolled in a basic skills math course, 62% of Puente and 35% of non-Puente students have enrolled in a transfer-level math course.
- There are more Puente (45%) than non-Puente (22%) students who have completed the math basic skills sequence, as well as more Puente than non-Puente students who have attempted but not yet completed a transfer-level math course, 16% and 13%.

Table 4: Math Basic Skills Sequence Completion

	Puente Cohort		Non-Puente Cohort		Basic Skills Math Enrollment* (Math 210, 212, 114, or 217)		Transfer-Level Math** (Math 10, 41, or 57)											
							Enrollment				Completed Basic Skills Sequence				Attempted, Not Yet Completed			
							Puente		Non-Puente		Puente		Non-Puente		Puente		Non-Puente	
Students	Percent	Students	Percent	Students	Percent	Students	Percent	Students	Percent	Students	Percent	Students	Percent	Students	Percent			
2013	49	1,099	40	82%	943	86%	34	85%	406	43%	28	70%	287	30%	6	15%	119	13%
2014	33	1,078	30	91%	939	87%	22	73%	394	42%	18	60%	282	30%	4	13%	112	12%
2015	33	1,105	32	97%	969	88%	13	41%	309	32%	10	31%	187	19%	3	9%	122	13%
2016	30	1,051	28	93%	894	85%	11	39%	211	24%	3	11%	79	9%	8	29%	132	15%
Average	36	1,083	33	90%	936	86%	20	62%	330	35%	15	45%	209	22%	5	16%	121	13%

\*Percent of cohort who enrolled in a basic skills math course

\*\*Percent basic skills math enrollees who enrolled in a transfer-level math course

## Math Basic Skills Completion – Time to Completion

- The majority of Puente (56%) and non-Puente (42%) students completed their math basic skills sequence *one year after* enrolling in a basic skills math course.
- Another subset of students finished their basic skills sequence *within the same year* as starting their basic skills math course, 22% for Puente and 33% for non-Puente students.

- The number of students who complete the sequence tapers off after two years or more of starting basic skills math.

Table 5: Math Basic Skills Sequence Completion – Time to Completion

	Average			
	All Puente Cohorts		All Non-Puente Cohorts	
	Students	Percent	Students	Percent
Completed within same year of starting basic skills math	3	22%	69	33%
Completed one year <i>after</i> starting basic skills math	8	56%	88	42%
Completed two years <i>after</i> starting basic skills math	2	12%	36	17%
Completed three years or more <i>after</i> starting basic skills math	2	10%	16	7%
Completions	15	100%	209	100%

### Degree and Certificate Completion<sup>1</sup>

- Between 2012-13 and 2015-16, 44 Puente and 331 non-Puente students graduated.

Table 6: Number of Graduates by Cohort Year, Puente vs. Non-Puente

	2013 Cohort	2014 Cohort	2015 Cohort	2016 Cohort	All Cohorts		
					Original	Graduates	Percent
Puente	28	12	3	1	145	44	30%
Non-Puente	165	125	36	5	4,319	331	8%

- A total of 49 and 425 degrees/certificates were awarded to Puente and non-Puente students, respectively. Most of the degrees/certificates are from programs in Social and Behavioral Sciences Science, Math and Engineering, and Arts and Letters (tables 7 and 8).
- Puente and non-Puente students attained degrees at varying rates, 30% vs. 8%, and earned certificates at the same rate (1%).

Table 7: Top Degrees/Certificates Conferred to Puente Students

Degrees/Certificates Conferred	2013 Cohort	2014 Cohort	2015 Cohort	2016 Cohort	All Cohorts	
					Students	Percent
1 Degree: Liberal Arts - Social & Behavioral Sciences	20	7	3	0	30	61%
2 Degree: Liberal Arts - Science, Math & Engineering	4	1	0	0	5	10%
3 Degree: Liberal Arts - Arts & Letters Degree: Liberal Arts - Business & CIS Degree: Administration of Justice for Transfer	1	1	0	0	2	4%
	2	0	0	0	2	4%
	1	1	0	0	2	4%
4 Degree: English Degree: Communication Studies for Transfer Degree: Sociology for Transfer Degree: Auto Machining & Engine Repair Degree: Automotive - Chassis & Powertrain Certificate: Auto Machining & Engine Repair Certificate Automotive - Chassis & Powertrain Certificate: Leadership & Social Change	0	1	0	0	1	2%
	0	1	0	0	1	2%
	0	1	0	0	1	2%
	1	0	0	0	1	2%
	1	0	0	0	1	2%
	1	0	0	0	1	2%
	0	0	0	1	1	2%

Table 8: Top Degrees/Certificates Conferred to Non- Puente Students

Degrees/Certificates Conferred	2013 Cohort	2014 Cohort	2015 Cohort	2016 Cohort	All Cohorts	
					Students	Percent
1 Degree: Liberal Arts - Social & Behavioral Sciences	83	51	15	0	149	35%
2 Degree: Liberal Arts - Arts & Letters Degree: Liberal Arts - Science, Math & Engineering	21	10	3	1	35	8%
	17	11	5		33	8%
3 Degree: Business Administration for Transfer Degree: Liberal Arts - Business & CIS	13	12	1	1	27	6%
	15	8	3		26	6%
4 Degree: Communication Studies for Transfer	5	5	2	0	12	3%
5 Degree: Sociology for Transfer Degree: Administration of Justice for Transfer Degree: English	2	6	1	0	9	2%
	5	2	1	0	8	2%
	2	4	1	0	7	2%

<sup>1</sup> Degree/certificate outcomes are current as of October 14, 2016.

## Transfer

In order to determine the number of students who transferred to a four-year institution, a list of the 145 Puente students was submitted to National Student Clearinghouse.

- 35 Puente students transferred to a four-year college or university
  - Cohort 2013 = 18 transfers | Cohort 2014 = 13 transfers | Cohort 2015 = 4 transfers
  - 34 students transferred to a public institution with most students enrolling at a California State University.

Table 9: Four-Year Institution Puente Students Transferred To

College/University Name	Enrollment
<b>Private Institution</b>	
University of Southern California	1
<b>Public Institution</b>	
<b>California State University (CSU)</b>	
San Jose	12
East Bay	4
San Francisco	4
Monterey Bay	2
<b>Subtotal</b>	<b>22</b>
<b>University of California (UC)</b>	
Berkeley	6
Davis	4
Santa Barbara	2
Santa Cruz	2
<b>Subtotal</b>	<b>14</b>

Note: Some students are enrolled at more than one 4-year institution.