



2010 Summer Bridge Cohort Tracking: Longitudinal Outcomes

Background

The Summer Bridge Program is one of many Learning Communities supported by Mt. SAC. As a Learning Community, additional college resources are expended thereby obtaining support for the students in the form of supplemental instruction, peer advising, program engagement activities, and counseling. This support ensures a superior avenue for program students with which to achieve success academically and in life. The focus of this report is to examine the longitudinal academic outcomes of the 2010 Summer Bridge cohort in comparison with a preselected Control Group of similar background on course success rate, academic standing, degree/certificate/transfer to four-year achievement, and tracking milestones in reaching transfer ready statuses. The original cohort size of the 2010 Summer Bridge program was 343 students and 776 students in the Fall 2010 Control Group. The results are further aggregated by Latino versus Non-Latino ethnic group.

Summary of Findings

- Summer Bridge cohort of 2010 performed better than the control group overtime on these outcomes: overall course success rates (69.9% vs. 66.8%), persistence into the third year after initial enrollment (57.7% vs. 50.1%), good academic standing (60.6% vs. 53.6%), degree/certificate awards and/or transfer to four-year institutions (29.4% vs. 21.6%), and completion to become transfer ready (16% vs.10%).
- Summer Bridge students were more successful in completing non-transferable courses than the control group students.
- Summer Bridge Latino students performed better than the control group Latino students on all measures being tracked in this report.
- In combined achievement of associate degree/certificate/transfer to four-year combined, Summer Bridge students earned higher completion rate at a faster pace than the control group students.
- By winter 2015, 16% of Summer Bridge students reached the transfer ready status while 10% of the control group students attained as such.
- Among milestones to transfer ready status, completion of college math remains the top obstacle for both groups of students.

Key Terms

Course Success Rate: number of courses achieving a grade of A, B, C, or P out of the total number of enrolled courses by students being studied.
Transferable courses: courses that are accepted as credit units by CSU or UC System based on articulation agreements (Assist.org)
Fall Persistence Rate: Students being studied having enrolled in one or more courses in each subsequent fall term out of the total number of students in the original groups.
Transfer ready: A student who has successfully completed the English Language requirements for transfer (oral communication, written communication, critical thinking), a transferable math course and has earned 60+ transferable units with a 2.0+ cumulative GPA.
Academic Standing: A status at Mt. SAC indicating an academic performance index that begins once students complete 12 units or more. It is a cumulative process that evaluates the progress of a student's GPA and dropped course pattern by term.

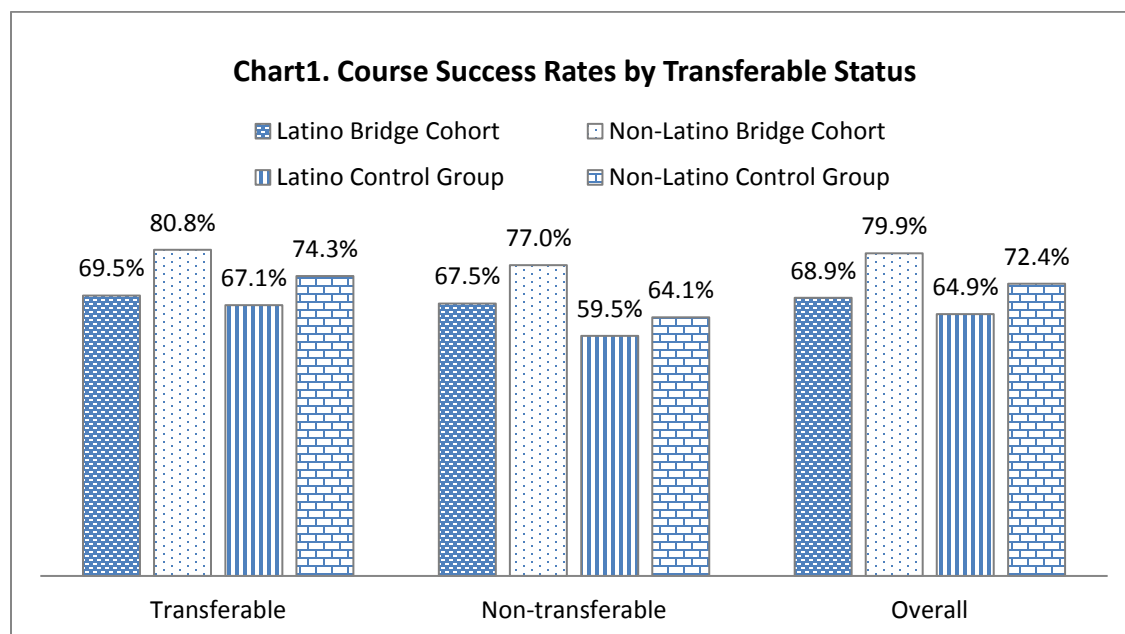
Results

Overall Course Success Rates (as of Winter 2015)

As of winter 2015, the overall course success rate of cohort students was higher than that of the comparison group (69.9% vs. 66.8%). Success rate differences exist mainly with the non-transferable courses between the two groups showing the most impact area. In general, Non-Latino students had higher course success rates than Latino students in both groups, regardless of course type. However, Latino students in the cohort group not only were more successful than Latino students in the comparison group in non-transferable courses but also did better than the non-Latino students in the control group in this course category.

Group	Ethnic Group	Transferable		Non-transferable		Overall	
		Course Enrolled	Success Rate	Course Enrolled	Success Rate	Course Enrolled	Success Rate
Bridge Cohort	Latino	5258	69.5%	1974	67.5%	7232	68.9%
	Non-Latino	542	80.8%	161	77.0%	703	79.9%
	Unknown	104	70.2%	41	61.0%	145	67.6%
Bridge Cohort Total		5904	70.5%	2176	68.1%	8080	69.9%
Control Group	Latino	7311	67.1%	2920	59.5%	10231	64.9%
	Non-Latino	2882	74.3%	677	64.1%	3559	72.4%
	Unknown	192	65.6%	59	66.1%	251	65.7%
Control Group Total		10385	69.1%	3656	60.4%	14041	66.8%
Grand Total		16289	69.6%	5832	63.3%	22121	67.9%

Source: Mt.SAC Banner System/Data Warehouse

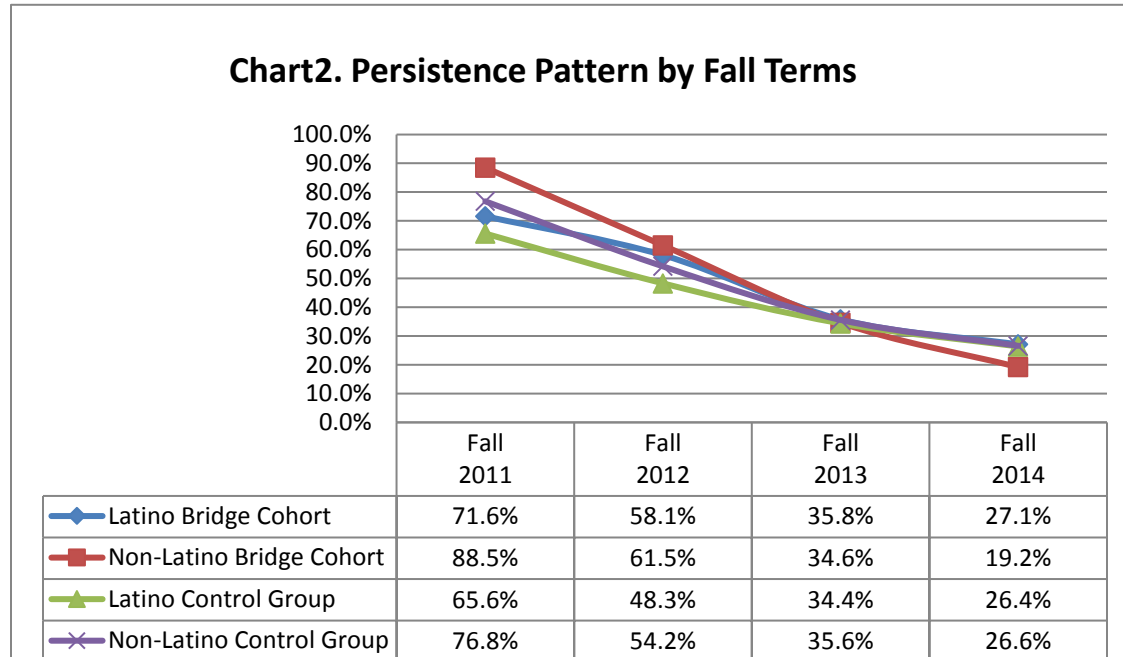


Persistence Pattern

Persistence is an important index of progression. Latino students in the cohort group, although not persisted as well as the non-Latino students within the same group, did persist better than their counterpart in the comparison group in the fall terms of 2011 and 2012, a critical period in working toward long term academic outcomes.

Group	Latino Ethnic Status	Cohort #	Fall 2010	Fall 2011	Fall 2012	Fall2013	Fall2014
Bridge Cohort	Latino	310	92.3%	71.6%	58.1%	35.8%	27.1%
	Non-Latino	26	96.2%	88.5%	61.5%	34.6%	19.2%
	Unknown	7	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
Bridge Cohort Total		343	92.1%	72.6%	57.7%	35.6%	26.5%
Control Group	Latino	588	100.0%	65.6%	48.3%	34.4%	26.4%
	Non-Latino	177	100.0%	76.8%	54.2%	35.6%	26.6%
	Unknown	11	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
Control Group Total		776	100.0%	68.3%	50.1%	34.8%	26.6%

Source: Mt.SAC Banner System/Data Warehouse *nd*- not disclosed due to small number for privacy protection

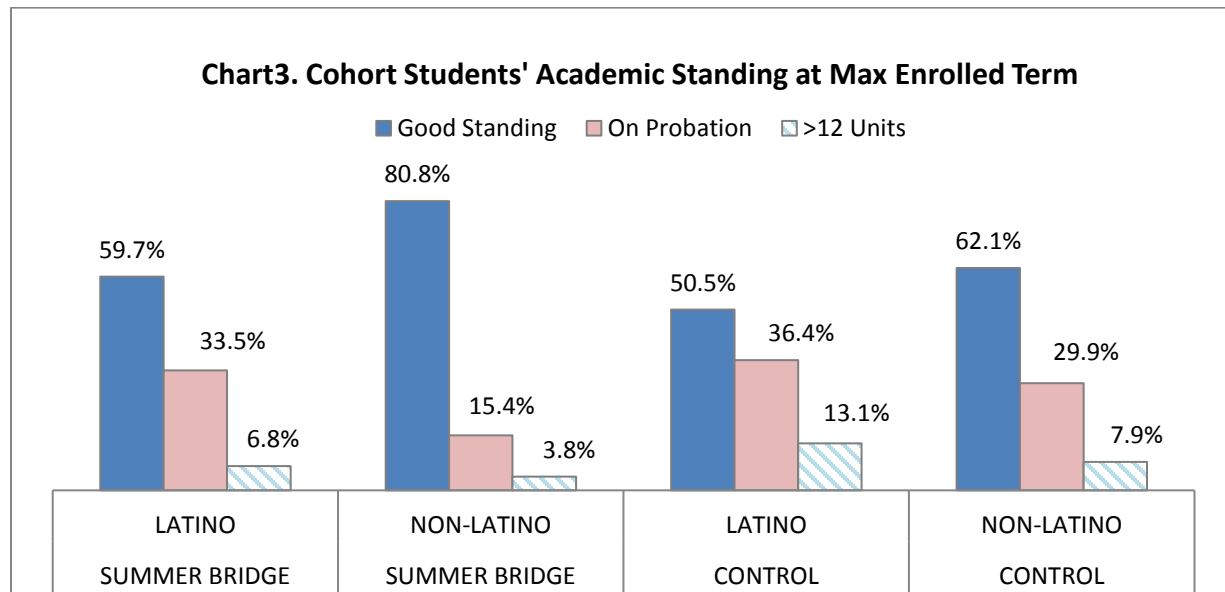


Academic Standing at Max Enrolled Term

By winter 2015, cohort group has higher percentage of students in good academic standing than the control group (60.6% vs. 53.6%). Latino students in the cohort group were more likely to stay in good academic standing than their counterpart in the comparison group (59.7% vs. 50.5%) and less likely to leave Mt.SAC with less than 12 units (6.8% vs. 13.1%).

Table3. Academic Standing at Max Enrolled Term		Good Standing			On Probation			Early Exit (<12units)		
		#	%	Avg. GPA	#	%	Avg. GPA	#	%	Avg. GPA
Summer Bridge (N=343)	Latino	185	59.7%	2.71	104	33.5%	1.38	21	6.8%	1.27
	Non-Latino	21	80.8%	2.82	4	15.4%	nd	1	3.8%	nd
	Unknown	2	nd	nd	3	nd	nd	2	nd	nd
Summer Bridge Total		208	60.6%	2.72	111	32.4%	1.39	24	7.0%	1.27
Control Group (N=776)	Latino	297	50.5%	2.69	214	36.4%	1.26	77	13.1%	0.75
	Non-Latino	110	62.1%	2.87	53	29.9%	1.22	14	7.9%	0.94
	Unknown	9	nd	nd	2	nd	nd	0	nd	nd
Control Group Total		416	53.6%	2.73	269	34.7%	1.25	91	11.7%	0.78

Source: Mt.SAC Banner System/Data Warehouse nd- not disclosed due to small number for privacy protection



Outcomes in Degree/Certificate Awards and Transfer to Four-years

In this section, outcomes of Associate degree awards, vocational certificate awards, and transferring to a four-year institution were being combined as achievement. Students being studied who completed any of the listed outcomes would be counted as achiever by their initial completion year and would be recorded only once. Table4 shows the outcome completion rate of both groups in each progression year. By spring 2015, 29.4% of cohort students had completed at least one of the outcomes, compared to 21.6% of students in the control group. Cohort students also outpaced their counterpart in each progression year.

Group		Cohort Count	Through Spring 2011		Through Spring 2012		Through Spring 2013		Through Spring 2014		Through Spring 2015 [^]	
			#	%	#	%	#	%	#	%	#	%
Summer Bridge	Latino	310	6	1.9%	12	3.9%	36	11.6%	64	20.6%	86	27.7%
	Non-Latino	26	0	0.0%	1	3.8%	4	15.4%	10	38.5%	14	53.8%
	Unknown	7	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
	Total	343	6	1.7%	13	3.8%	40	11.7%	74	21.6%	101	29.4%
Control Group	Latino	588	6	1.0%	21	3.6%	47	8.0%	83	14.1%	109	18.5%
	Non-Latino	177	2	1.1%	3	1.7%	17	9.7%	45	25.4%	57	32.2%
	Unknown	11	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
	Total	776	8	1.0%	24	3.1%	64	8.2%	128	16.5%	168	21.6%

Sources: Mt.SAC Banner System/Data Warehouse, National Student Clearinghouse

[^] spring 2015 award data may be limited as of the search date (June 2015)

nd- not disclosed due to small number for privacy protection

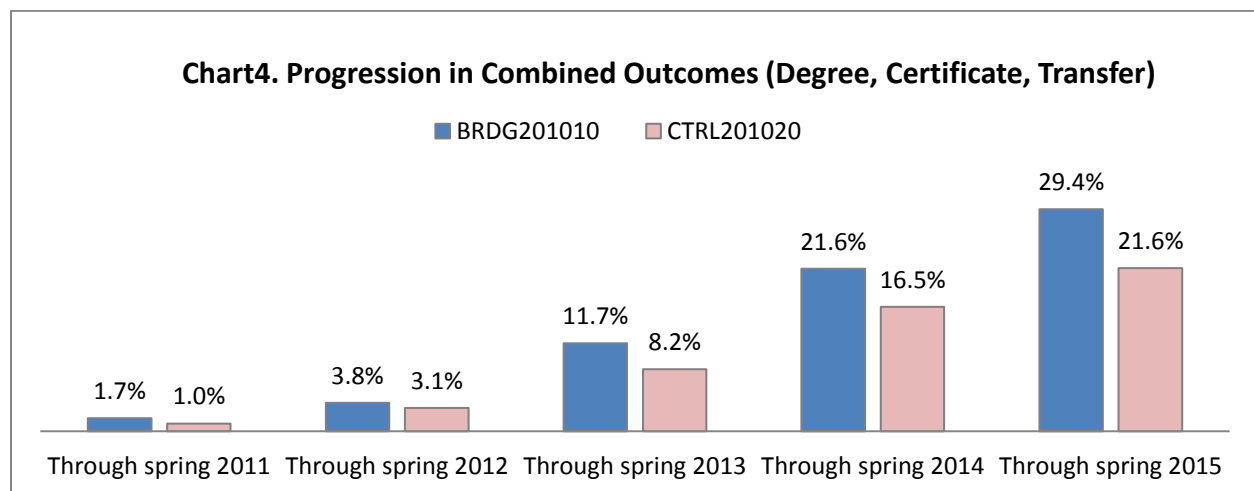
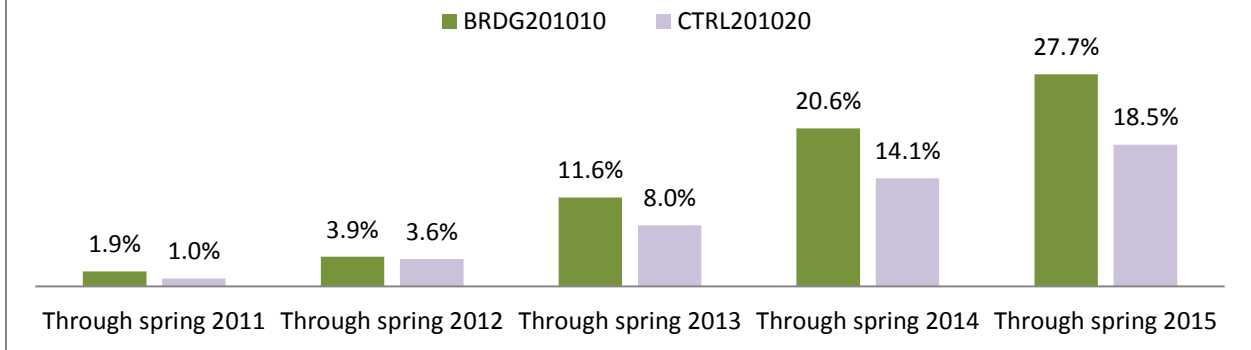


Chart5. Latino Students' Progression in Combined Outcomes (Degree, Certificate, Transfer)



Milestones to Transfer Ready

The following table shows percentages of cohort students and comparison group students in achieving each of the milestones of becoming transfer ready as of winter 2015. Cohort students were more likely than their counterpart in the control group to achieve each of these milestones. However, completion of college math and earning sixty transferable units remained the top road blocks for these students in reaching the transfer ready status.

Group	Latino Ethnic Status	Cohort #	Transfer Goal	College Math Completed	Critical Thinking Completed	Oral Communication Completed	Earned 60 Transferable Units	Cum GPA 2.0 or greater	Transfer Ready as Defined
Bridge Cohort	Latino	310	78.1%	23.9%	30.3%	40.6%	27.5%	62.9%	15.2%
	Non-Latino	26	80.8%	46.2%	42.3%	57.7%	50.0%	76.9%	26.9%
	Unknown	7	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	14.3%
Bridge Cohort Total		343	78.4%	25.4%	31.2%	41.7%	29.2%	63.6%	16.0%
Control Group	Latino	588	70.9%	17.0%	17.3%	28.2%	15.6%	57.7%	8.8%
	Non-Latino	177	68.4%	32.2%	35.6%	40.1%	31.6%	64.4%	15.3%
	Unknown	11	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.0%
Control Group Total		776	70.1%	20.4%	21.5%	31.2%	19.3%	59.5%	10.2%

Source: Mt.SAC Banner System/Data Warehouse *nd*- not disclosed due to small number for privacy protection

APPENDIX

Outcome Award Count			Associate Degree				Certificate			Transfer to 4YR
Group	Latino Ethnic Status	Cohort #	AA	AAT	AS	AST	C1	C2	C3	
Bridge Cohort	Latino	310	42	10	9		8	3	5	56
	Non-Latino	26	6	2	3		2	2	3	10
	Unknown	7								1
Bridge Cohort Total		343	48	12	12		10	5	8	67
Control Group	Latino	588	31	11	7	1	15	2	7	86
	Non-Latino	176	17	5	2		2	1		47
	Unknown	12		1						1
Control Group Total		776	48	17	9	1	17	3	7	134

Outcome Headcount and Percentage			Associate Degree		Certificate		Transfer		Unduplicated Outcome Head Count	
Group	Latino Ethnic Status	Cohort #	Head count	Percent	Head count	Percent	Head count	Percent	Head count	Percent
Bridge Cohort	Latino	310	53	17.1%	14	4.5%	56	18.1%	86	27.7%
	Non-Latino	26	10	38.5%	2	7.7%	10	38.5%	14	53.8%
	Unknown	7	0	0.0%	0	0.0%	1	14.3%	1	14.3%
Bridge Cohort Total		343	63	18.4%	16	4.7%	67	19.5%	101	29.4%
Control Group	Latino	588	42	7.1%	18	3.1%	86	14.6%	109	18.5%
	Non-Latino	176	20	11.4%	3	1.7%	47	26.7%	57	32.2%
	Unknown	12	1	8.3%	0	0.0%	1	8.3%	2	18.2%
Control Group Total		776	63	8.1%	21	2.7%	134	17.3%	168	21.6%