

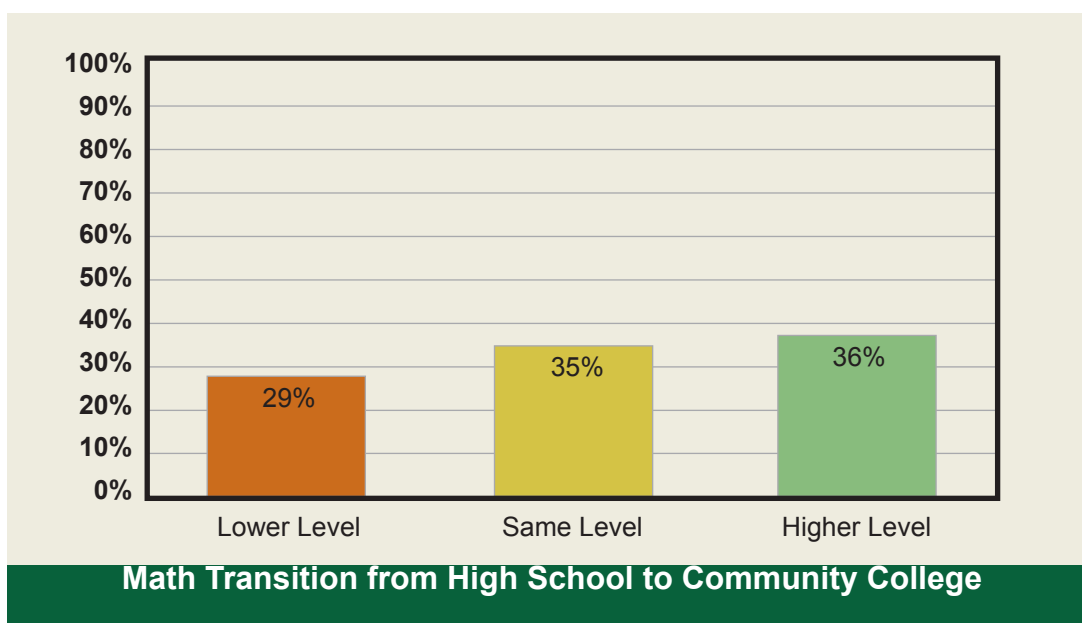


High School to Community College Math Transition - Sample Report

This report may provide an indication of the degree of alignment between high school and college math curricula. The figure below and tables on the next page present the relation between the highest level course a student successfully completed in high school and the first course they completed at a local community college district. Success is defined as earning a grade of C or better. High school data were available for the 1999-2005 academic years and community college data were available for the 1999-2006 academic years. Please note that the course ranks have been assigned by research staff and should be verified by local faculty.

Summary

- Compared to the highest level of math successfully completed in high school,
 - 29% of students' first college math class attempts were a lower level course,
 - 35% were an equal level course, and
 - 36% were a higher level course (see Figure).
- Males were slightly more likely to progress upwards than females
- Hispanic, Filipino, and African-American students were less likely to progress upwards than students of other ethnicities.





Course Transition Matrix

The tables below show math transition and success data at the course level. These tables should be read row wise by selecting a high school math level and reading across that row. The upper table displays the percent of students who took a given level of math as their first completed community college math class. The lower table displays the percent of students who were successful (earned a grade of C- or better) in their first completed community college math class. Courses are grouped into broad categories and can be disaggregated upon request. It should be noted that students could have taken math courses at a school not within the data sharing consortium. In addition, there is some error associated with matching students between segments.

		First math class completed in community college								Total	
		Basic Math	Pre-Alg	Beg Alg	Geo	Int Alg	Stats/ Finite	Precalc	Calc	%	Count
Highest level of math in high school successfully completed	Basic Math	11%	14%	41%	1%	28%	5%	1%	0%	100%	730
	Pre-Alg	*	*	*	*	*	*	*	*	100%	*
	Beg Alg	11%	10%	42%	1%	29%	5%	2%	0%	100%	1291
	Geo	2%	3%	29%	2%	49%	9%	5%	1%	100%	1758
	Int Alg	1%	2%	14%	1%	47%	21%	13%	2%	100%	5966
	Stats/ Finite	0%	0%	3%	0%	27%	48%	19%	4%	100%	238
	Precalc	0%	0%	2%	0%	21%	38%	29%	10%	100%	2485
	Calc	0%	0%	0%	0%	4%	28%	21%	48%	100%	585
Total		320	377	2232	101	4824	2743	1775	682		13054

		Success rate in first math class completed in community college								Total
		Basic Math	Pre-Alg	Beg Alg	Geo	Int Alg	Stats/ Finite	Precalc	Calc	
Highest level of math in high school successfully completed	Basic Math	57%	58%	44%	*	45%	56%	86%	*	49%
	Pre-Alg	*	*	*	*	*	*	*	*	100%
	Beg Alg	57%	60%	41%	72%	41%	56%	50%	*	46%
	Geo	76%	67%	57%	50%	54%	61%	67%	*	57%
	Int Alg	78%	75%	64%	59%	68%	72%	69%	69%	68%
	Stats/ Finite	*	*	100%	*	75%	86%	69%	70%	79%
	Precalc	100%	100%	92%	67%	79%	79%	75%	74%	78%
	Calc	*	*	*	*	91%	87%	79%	80%	82%
Total		64%	64%	55%	57%	64%	75%	72%	76%	66%

*Cell counts suppressed when cell size is less than 5

Red = transitioned down at least one level from high school to college

Yellow = stayed at same level in college as in high school

Green = transitioned up at least one level from high school to college