

# **STUDENT PERFORMANCE IN REDESIGNED DEVELOPMENTAL MATH COURSES**

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**STUDENT SUCCESS SNAPSHOT #26**  
**June 18, 2013**



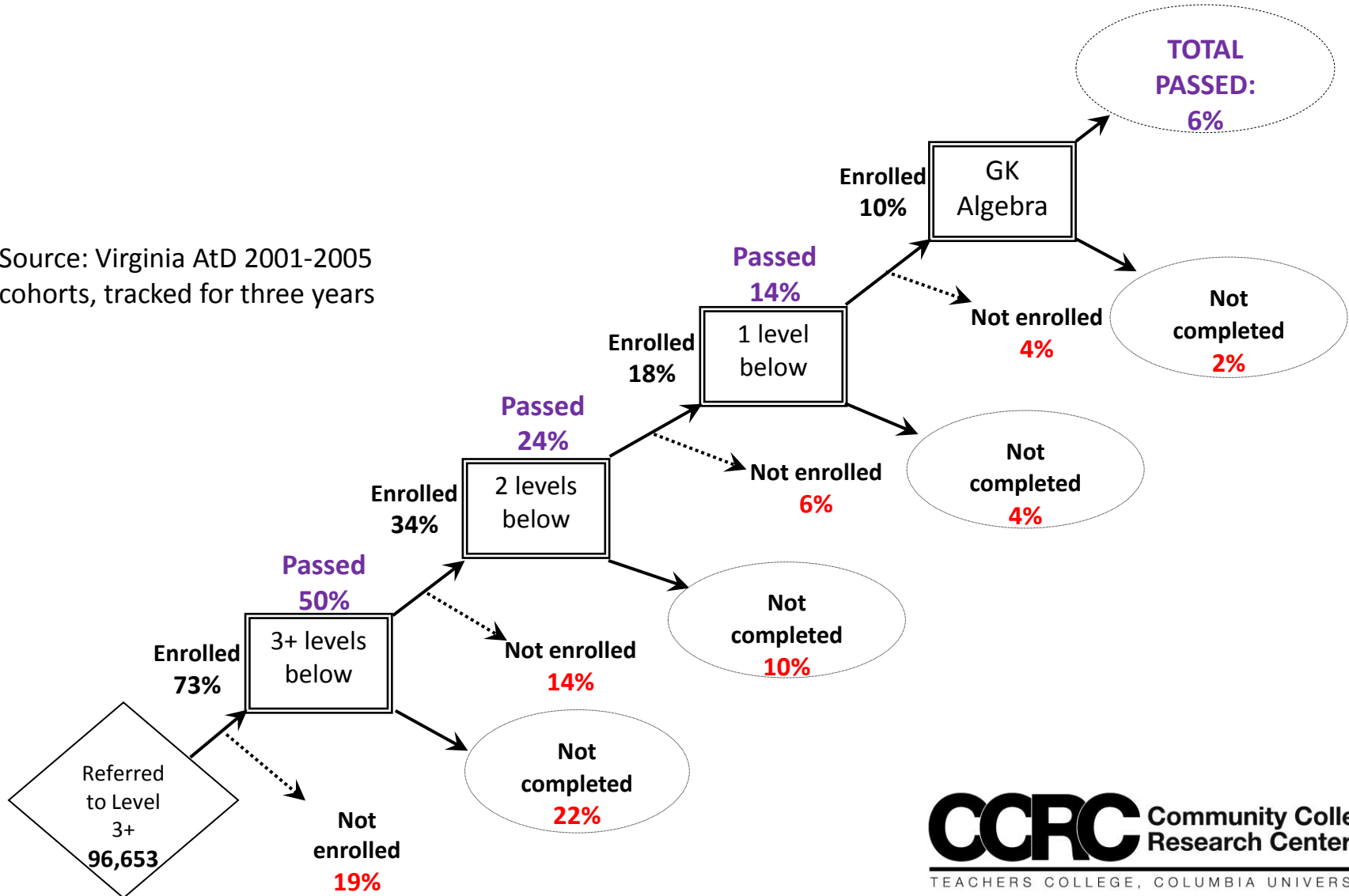
# OVERARCHING GOALS OF DEVELOPMENTAL REDESIGN

- **Reduce** the need for remediation
- **Decrease** the length of time spent in developmental courses
- **Increase** the proportion of students reaching success measures of graduating or transferring



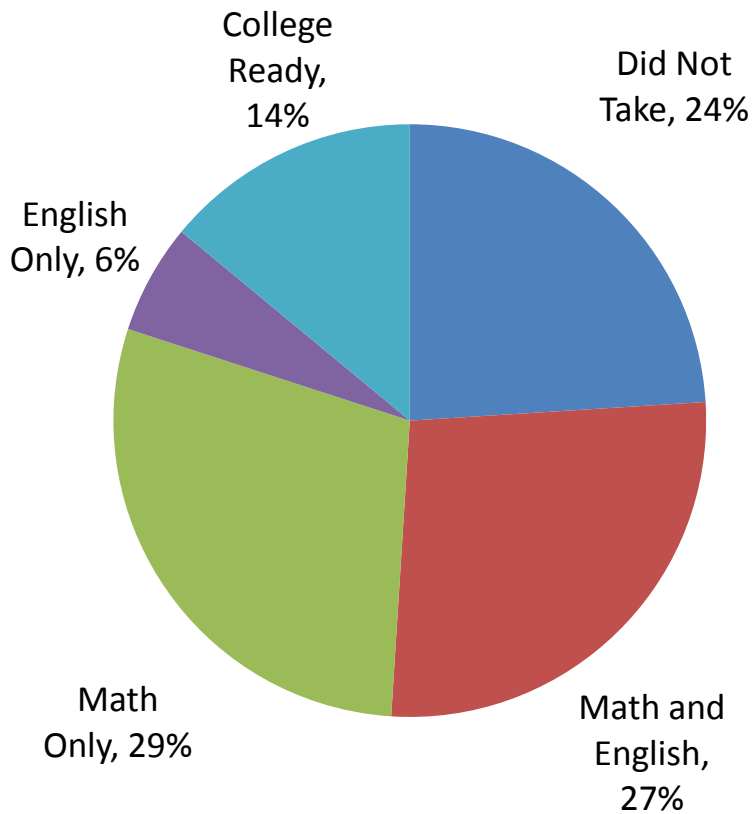
# DEVELOPMENTAL MATH ENROLLMENT AND COMPLETION

Source: Virginia AtD 2001-2005 cohorts, tracked for three years

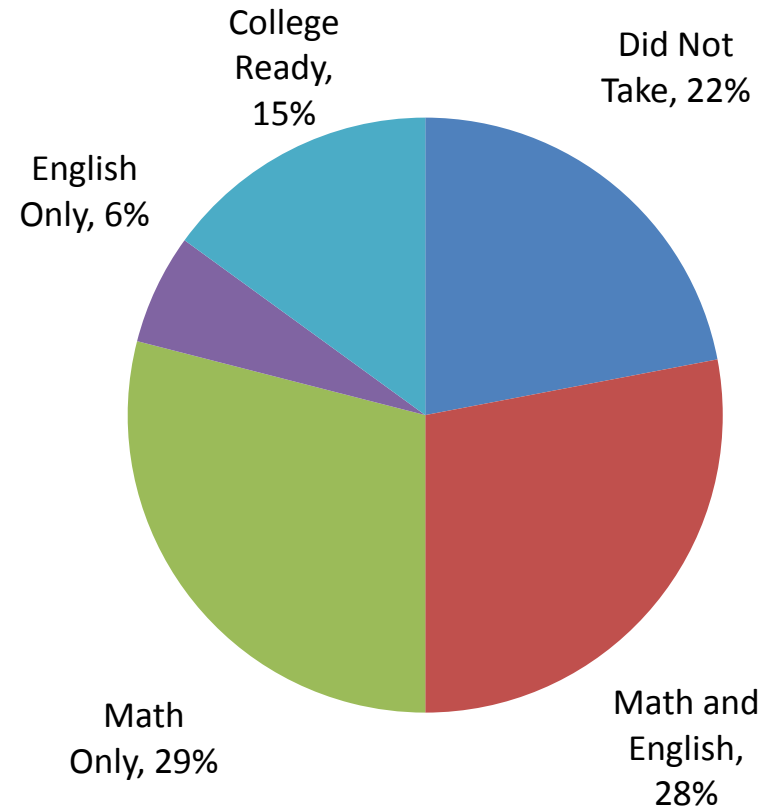


# PREVIOUS DEAR COHORT PLACEMENT

2006

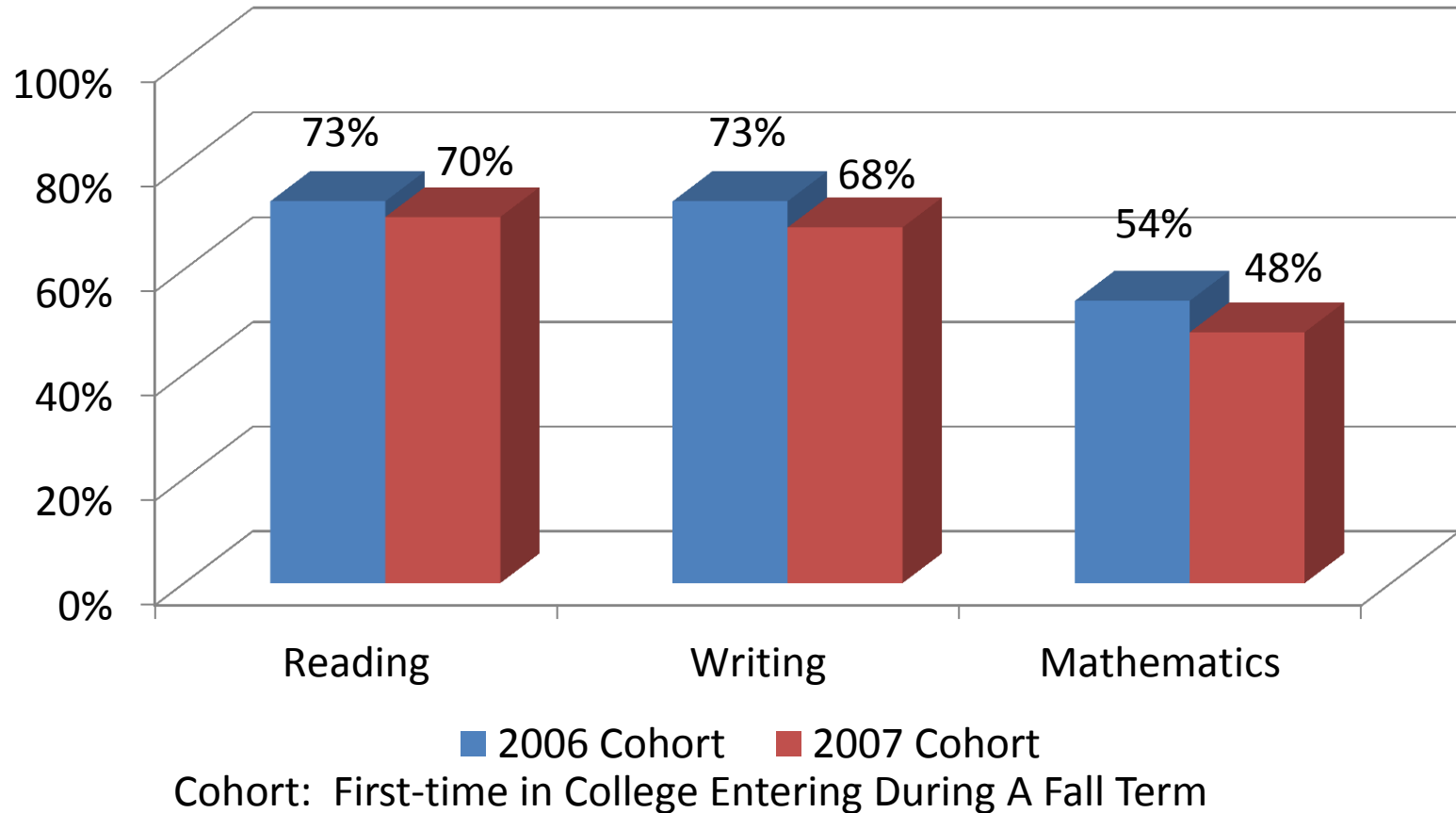


2007



Cohort: First-time in College Entering During A Fall Term

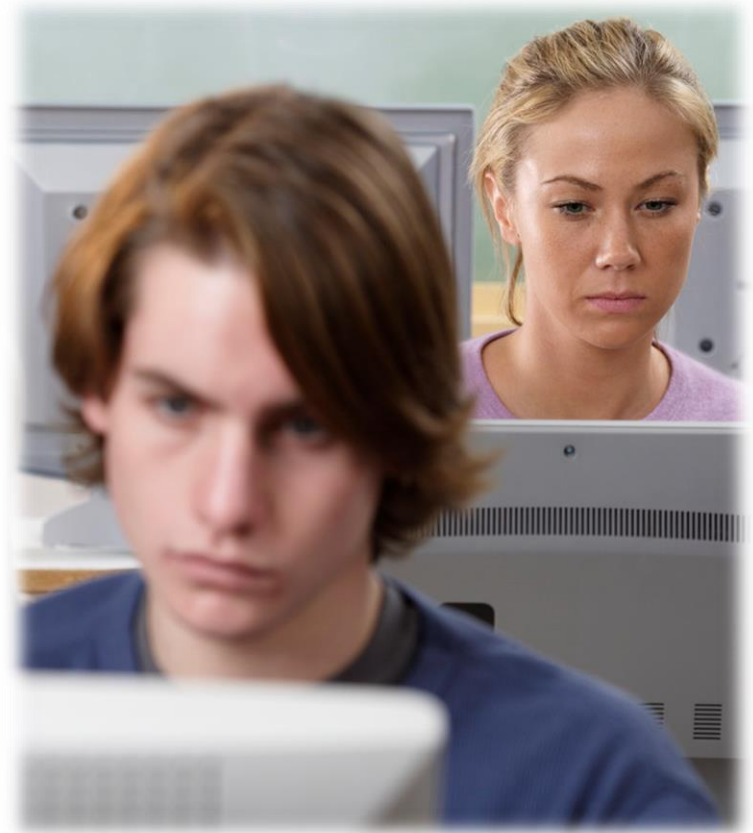
# PREVIOUS DEAR COHORT DEVELOPMENTAL PROGRESSION



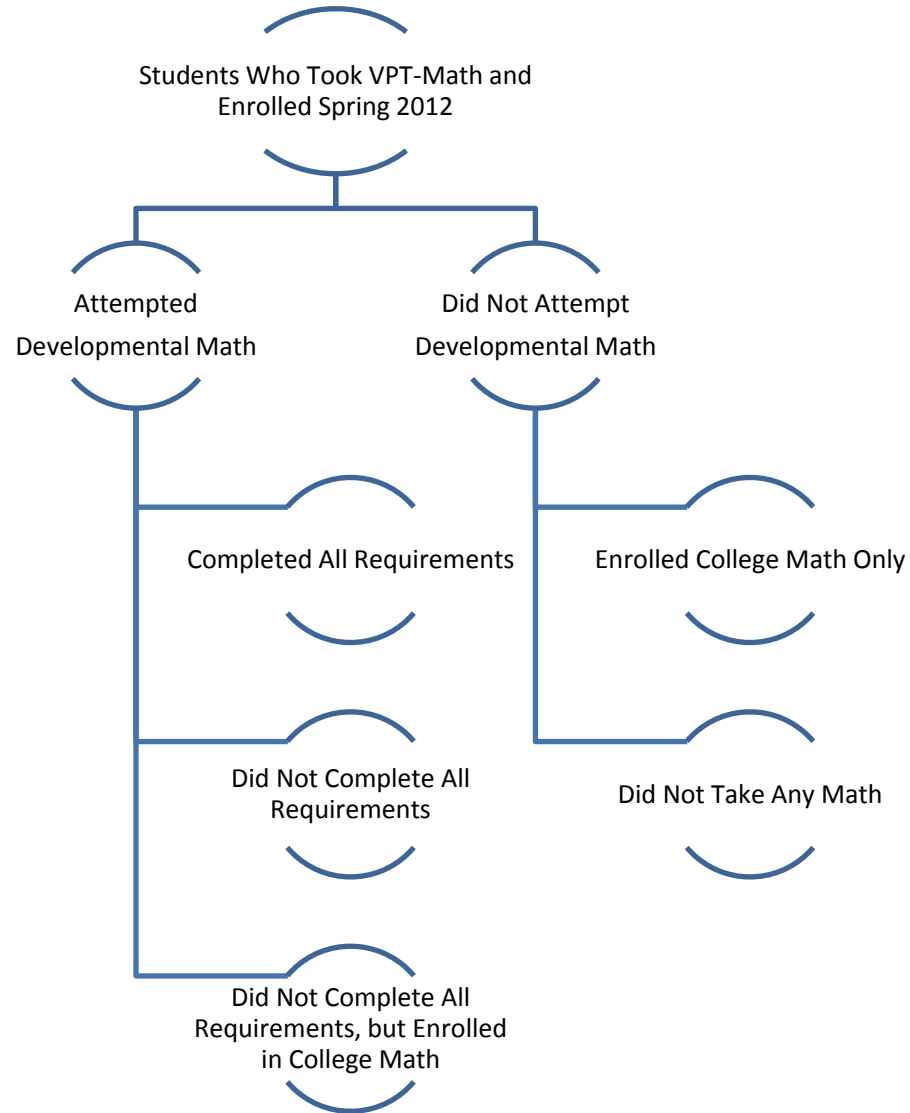
**2.1: Percent Passing Developmental Course on First Attempt**

# STUDY COHORT

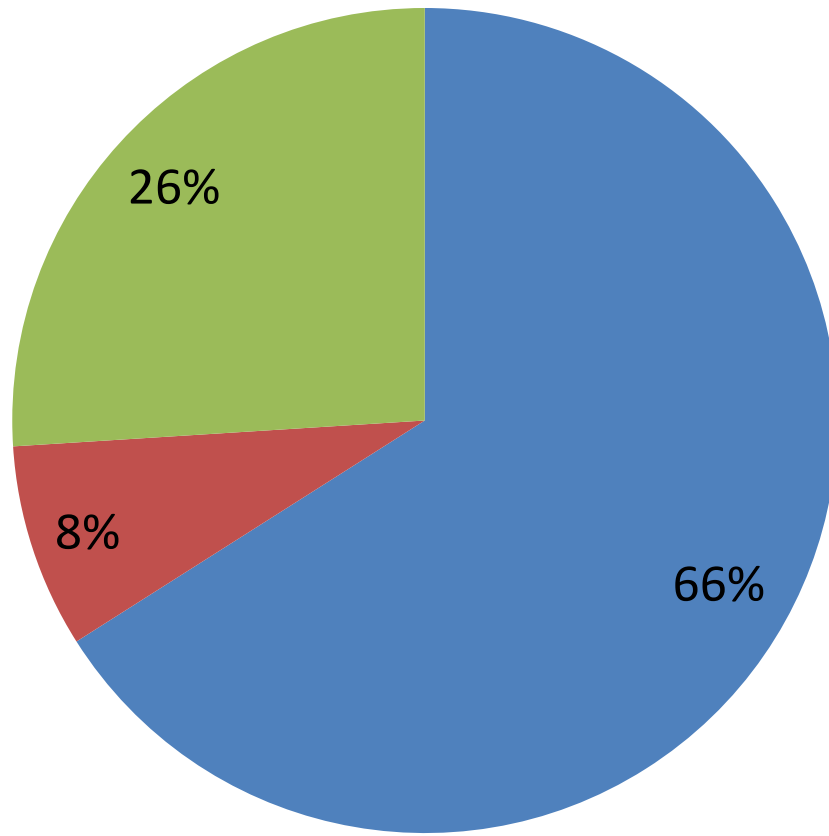
11,117 students who took the Virginia Placement Test-Math (VPT-Math) prior to January 15, 2012 **and** enrolled in the spring 2012 term.



# COHORT PROGRESSION



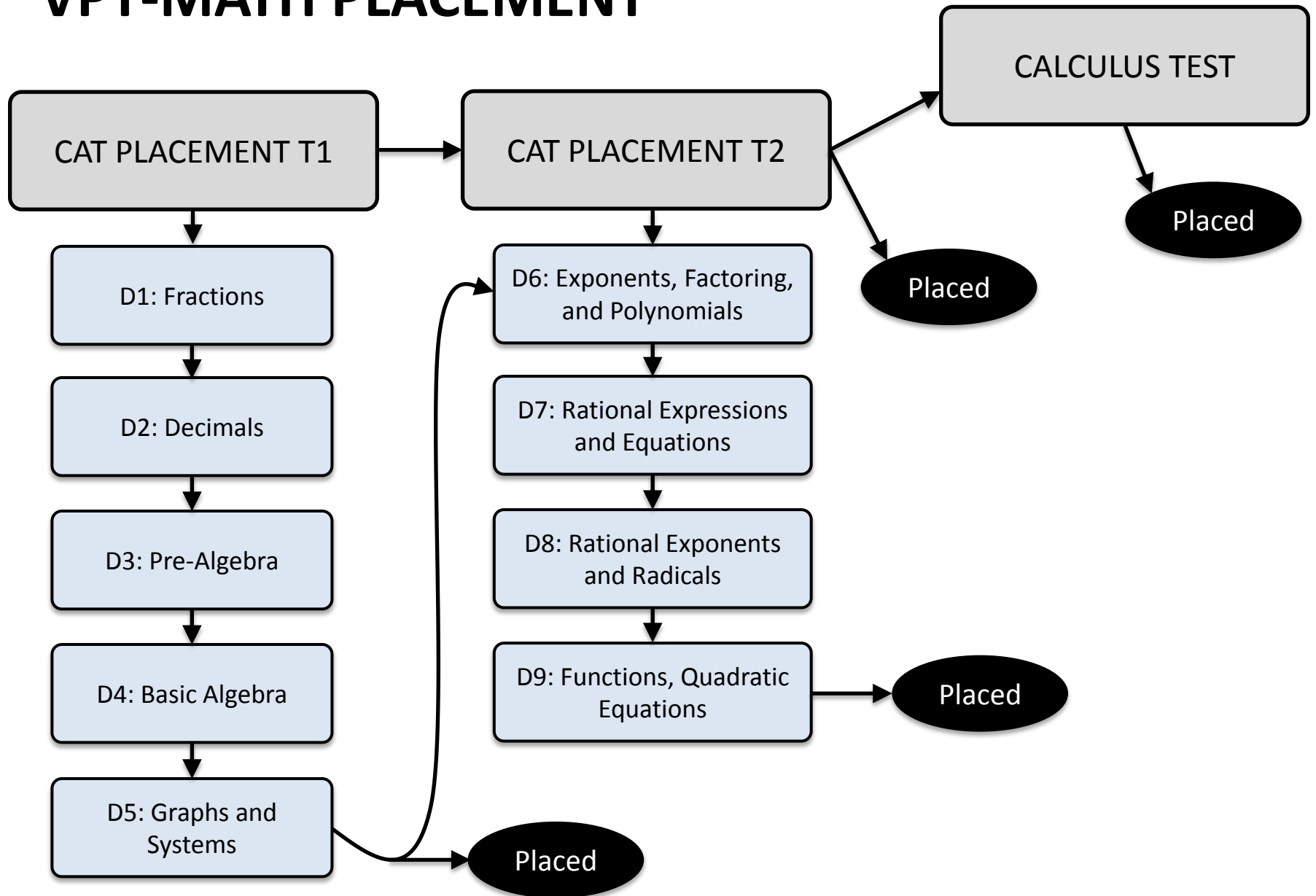
# ENROLLMENT BEHAVIOR OF STUDENTS WHO PLACED INTO DEVELOPMENTAL MATH



- Needed and Attempted Developmental Math from Spring 2012 to Spring 2013
- Needed Developmental Math, Enrolled Directly in College Math
- Needed Developmental Math but Did not Attempt Any Math

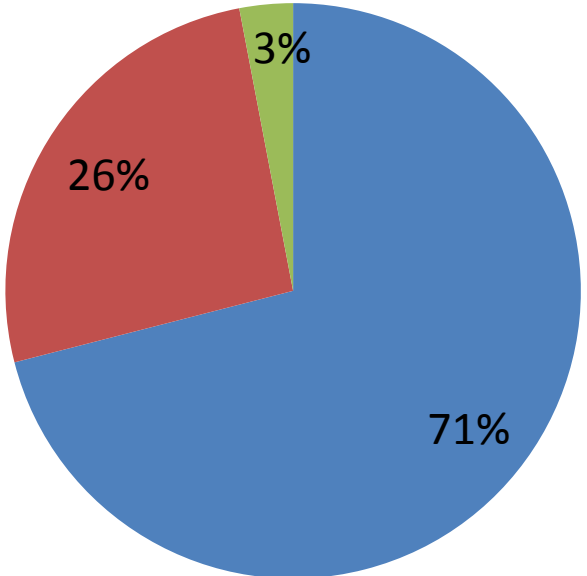


# VPT-MATH PLACEMENT



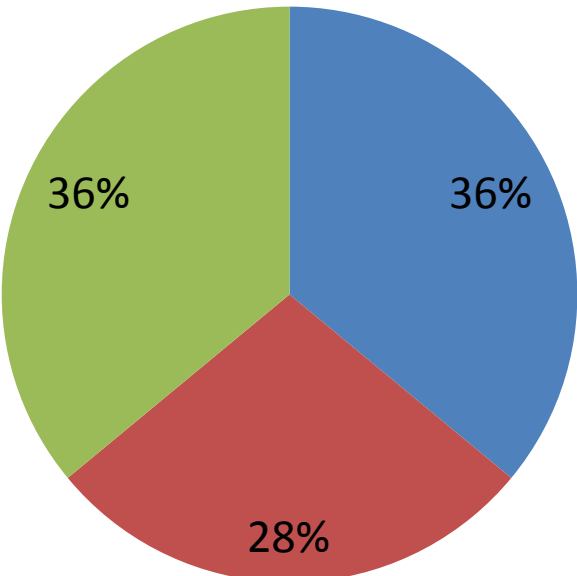
# ENROLLMENT BEHAVIOR BY PLACEMENT

### Developmental Math Outcomes for Students Placing in Units 1-5



- Attempted developmental math
- Did not attempt any math
- Enrolled only in college-level math courses

### Developmental Math Outcomes for Students Placing in Units 6-9



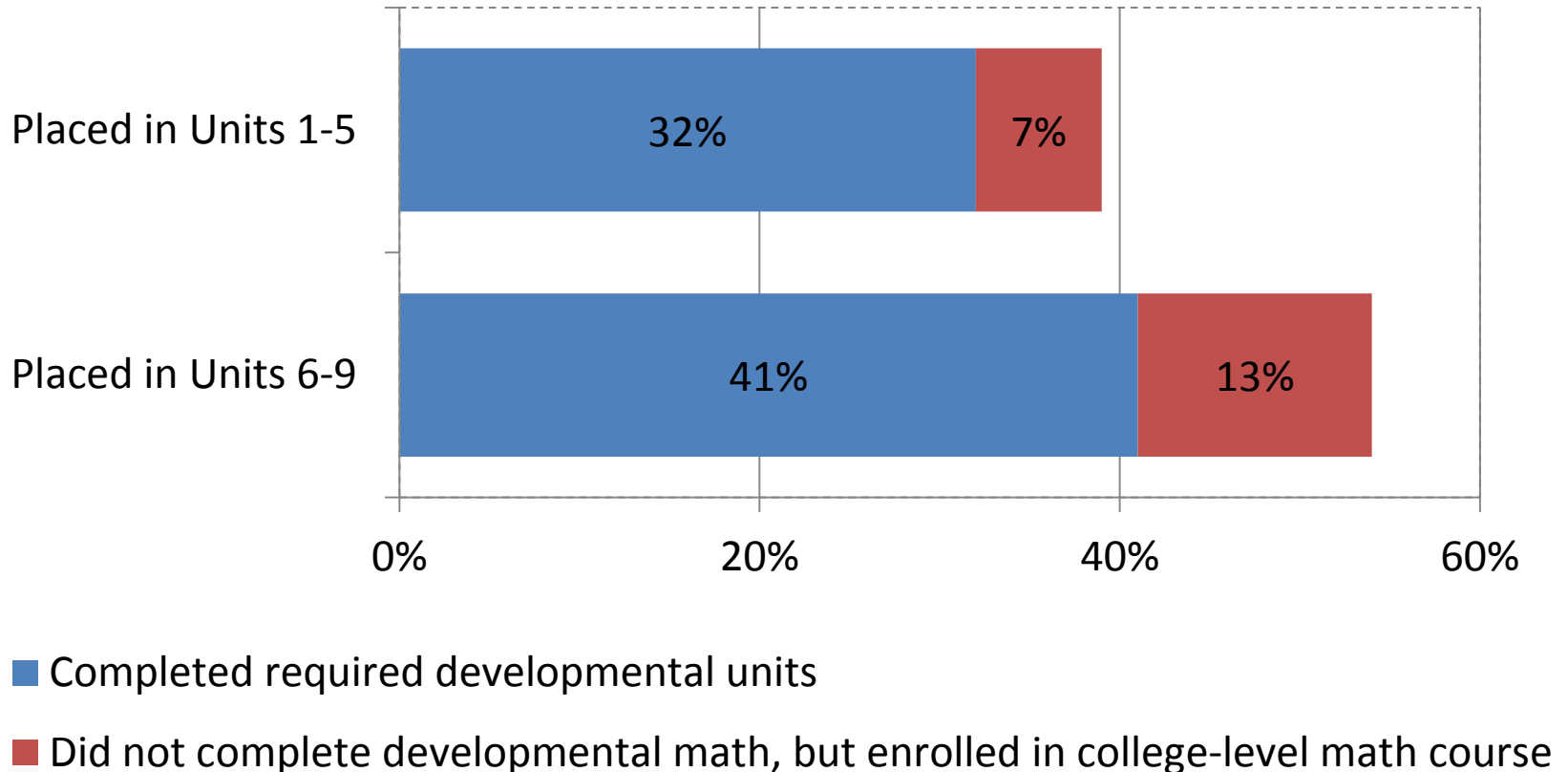
- Attempted developmental math
- Did not attempt any math
- Enrolled only in college-level math courses

## COHORT: SUCCESS IN DEVELOPMENTAL COURSES

- Over 68% of students who placed into developmental math attempted at least one of the units they needed in the first four terms.



# OUTCOMES FOR STUDENTS ATTEMPTING DEVELOPMENTAL MATH WITHIN FOUR TERMS OF PLACEMENT



# COHORT: READINESS FOR COLLEGE-LEVEL MATH COURSES

- 56% of students in the total study cohort either successfully completed their required developmental math units or were college-ready by the end of spring 2013.



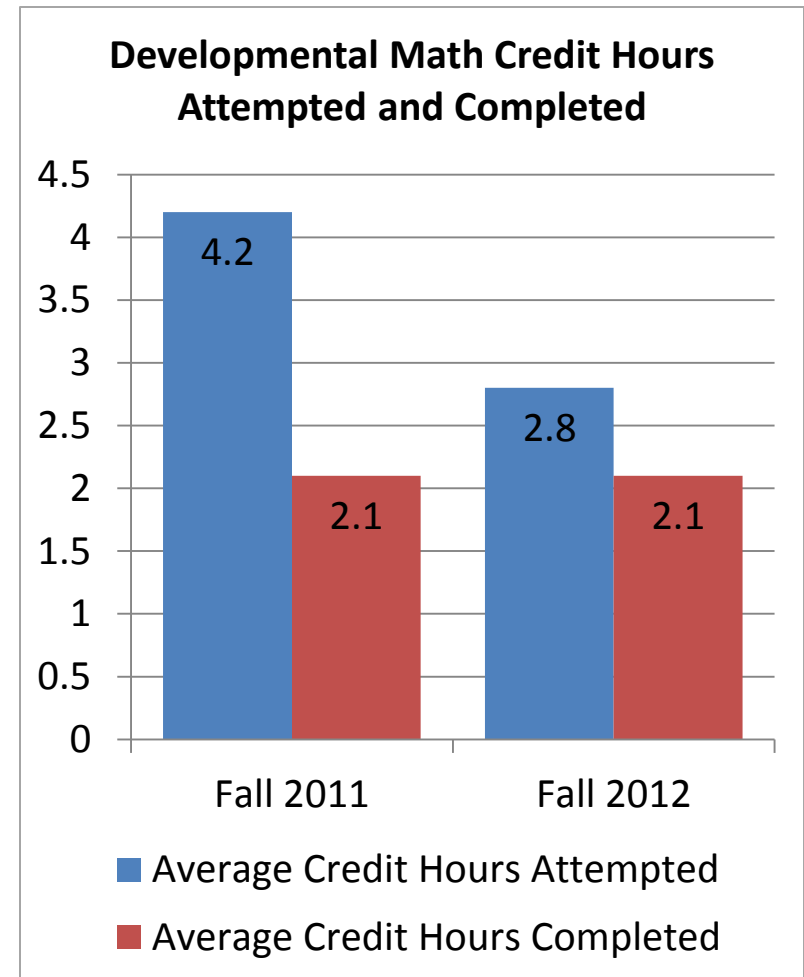
# OVERALL: PROGRESS TOWARD COLLEGE-LEVEL MATH COURSES

- Students enrolling in developmental math who made progress increased from 50% in fall 2011 to 65% in fall 2012.



# OVERALL: ATTEMPTED COMPARED TO COMPLETED

- The average number of developmental math credit hours attempted reduced from 4.2 in fall 2011 to 2.8 in fall 2012.
- The average number of developmental math credit hours completed within a semester stayed the same.



# UPCOMING RESEARCH

Future snapshots will continue to track this first group of VPT-Math test takers to look at the following:

- Success in College-Level Math Courses (December 2013)
- Initial Graduation and Transfer (June 2014)





**QUESTIONS?**