

### EFFICACY RESULTS

- 62% bypassed at least one dev ed math course.
- 42% jumped to college level.
- 83% were successful in their first community college math course.

### ABOUT STEPWISE FOR ACCUPLACER

Querium's StepWise for Accuplacer is a personalized and adaptive review program designed to prepare students for the test on their smartphones.

- Personalized to meet students' needs
- 100+ bite-sized video math lessons
- Nearly 2000 Accuplacer-style practice questions with explanations
- Intervention starting with 6th grade concepts
- Mobile first! Works on smartphones, tablets, and computers

### CONTACT INFORMATION

For more information, contact us at (512) 833-6955 or [info@querium.com](mailto:info@querium.com) or visit us at [querium.com](http://querium.com).

## 83% of Students Pass First College Math Course with an A, B, or C



### LEARNING GAINS CARRY OVER TO COLLEGE COURSES

Onondaga Community College (OCC) students who participated in Querium's efficacy study saw strong improvement in their placement scores on the Accuplacer Math test, but a far more important measurement is how well they did in their subsequent math course.

**After reviewing students' grades for the first math course taken following placement, we found that 83% of students passed with a grade of A, B, or C.** *StepWise for Accuplacer* helped students not only perform their best on the placement test, but also go on to succeed in their first math course at OCC.

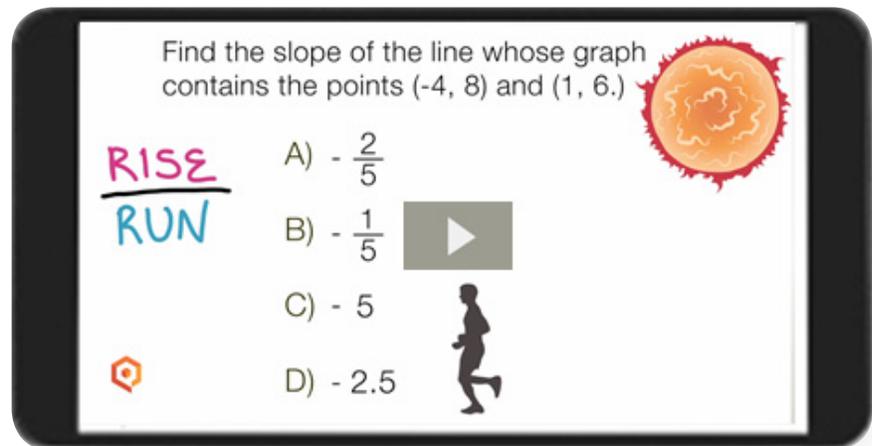


### LONGITUDINAL SUCCESS

To develop this analysis, we worked with OCC administrators to collect the course name and final grade for the study participants who completed the StepWise program and retook the Accuplacer test. We matched the participating students' Accuplacer scores with their courses and grades and calculated the performance of all students.

| # of Levels Skipped | Actual Course Placement                   | % Pass with A, B, or C |
|---------------------|---|------------------------|
| 1                   | Beginning Algebra (Developmental)         | 90%                    |
| 1                   | Contemporary Math or Intermediate Algebra | 88%                    |
| 2                   | Contemporary Math or Intermediate Algebra | 77%                    |
| 2                   | Precalculus                               | 75%                    |

We also looked at the performance of smaller segments based on the number of levels they skipped and whether they took developmental math, beginning college level (Contemporary Math or Intermediate Algebra), or Precalculus. We found that, across the board, the vast majority of students were successful in the higher level course that they were placed into as a result of their improved performance on the Accuplacer test.



**“We’re thrilled with the success our students have demonstrated in math after using StepWise.”**

Anne DeLand  
OCC Director of  
Testing Services

OCC’s Director of Testing Services Anne DeLand finds the progress that students carried over into their math courses very encouraging stating, “We’re thrilled with the success our students have demonstrated in math after using StepWise.”

### STEPWISE STUDENTS OUTPERFORM NATIONAL TRENDS

In an effort to compare this with national trends, we identified a few studies that documented passing rates for community college students taking college-level math courses.

- An EdSource analysis of California’s 112 community colleges found that only 55% of students received a passing grade of A, B, or C in their first college level math course.<sup>1</sup>
- A recent study out of Florida found that just 46.8% of students passed their first college level math course, down from 55.7% from the prior year.<sup>2</sup>

- In Texas, only 40% of students who arrived college ready successfully completed a college level math course within three years.<sup>3</sup>

### SERIES OF MINI-SUCCESSSES

Querium attributes the program’s effectiveness to the personalized learning path. “We interviewed dozens of community college students to develop this *series of mini-successes* approach that allows students to get in quickly and master a topic within 15-30 minutes,” says Patti Smith, Querium Co-Founder and CMO. Instruction is delivered through bite-sized video lessons by master classroom teachers and reinforced through practice questions that include complete solutions for every question. And all of it is accessible by smartphone, 24/7.

<sup>1</sup> “Community College Students Struggle to Pass College-Level Math,” New America Media, <http://newamericamedia.org/2012/02/community-college-students-struggle-to-pass-college-level-math.php>, (February 10, 2012)

<sup>2</sup> “When You’re Not Ready,” Inside Higher Ed, <https://www.insidehighered.com/news/2015/06/25/floridas-remedial-law-leads-decreasing-pass-rates-math-and-english>, (June 25, 2015)

<sup>3</sup> THECB Developmental Education Accountability Measures Data, Fall 2014 Cohort, [http://www.txhighereddata.org/reports/performance/devd/inst.cfm?inst=778877&report\\_type=2&report\\_yr=2015](http://www.txhighereddata.org/reports/performance/devd/inst.cfm?inst=778877&report_type=2&report_yr=2015),