



Multiple Measures of Student Placement: Research and Actionable Data

Welcome

A BRIEF OVERVIEW

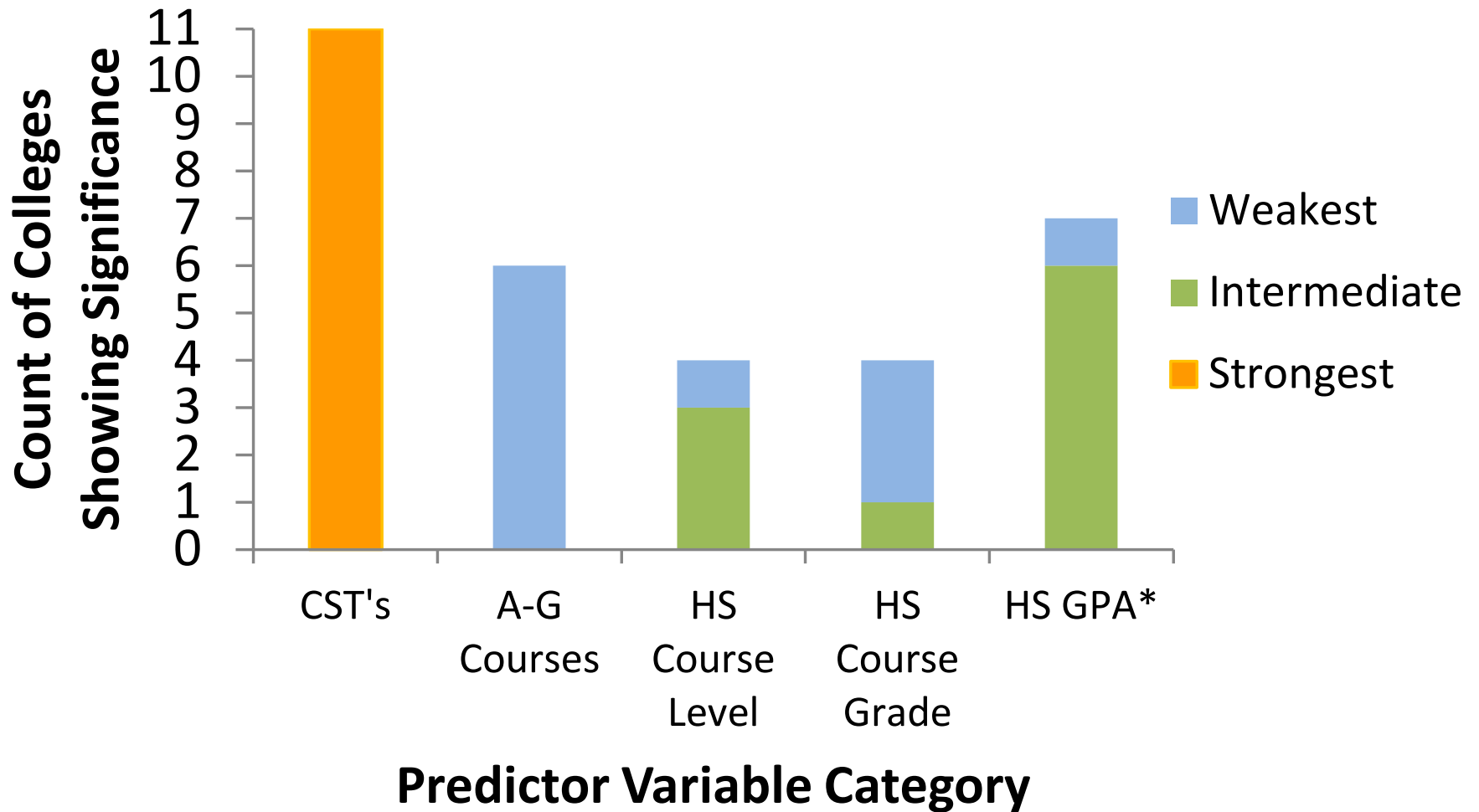
The Student Transcript-Enhanced Placement Project (STEPS)

What Are We Seeking to Do?

- Examine the value of using transcripts as part of the assessment process
- Create predictive models using intersegmental data to study students who had already taken community college courses
- Use models to analyze how well transcript data predicts the first English & math courses students take and how well they do in them
- Recruit colleges to do local analyses to generate campus-specific insights and trigger CCC/K-12 conversations

In English
tests
predict tests,
grades and courses
matter but
vary by college

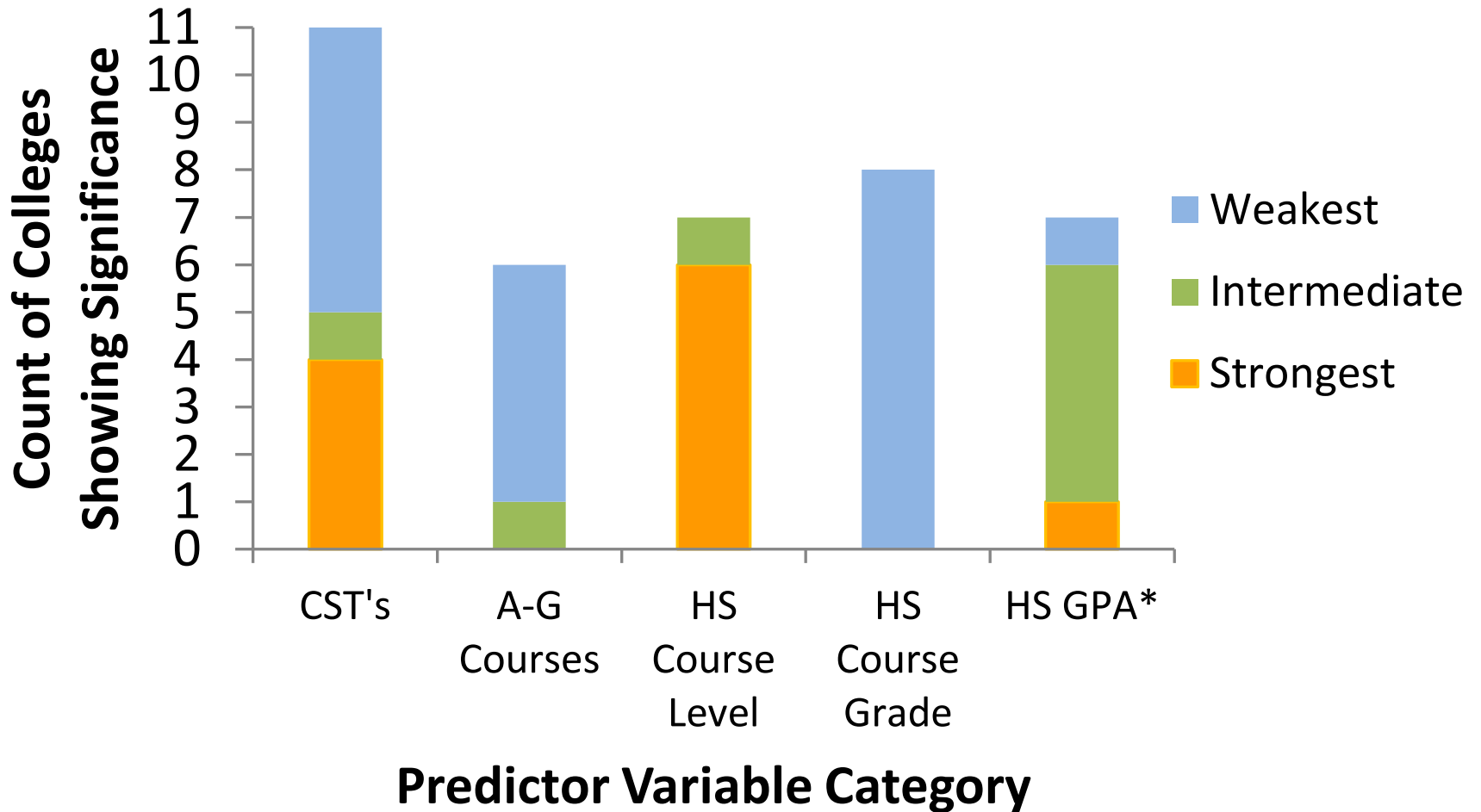
Predicting College English Level



Cox & Snell pseudo R-square ~ 0.35

In math
tests
predict tests,
but high school
level is also
important

Predicting College Math Level



Cox & Snell pseudo R-square ~ 0.50

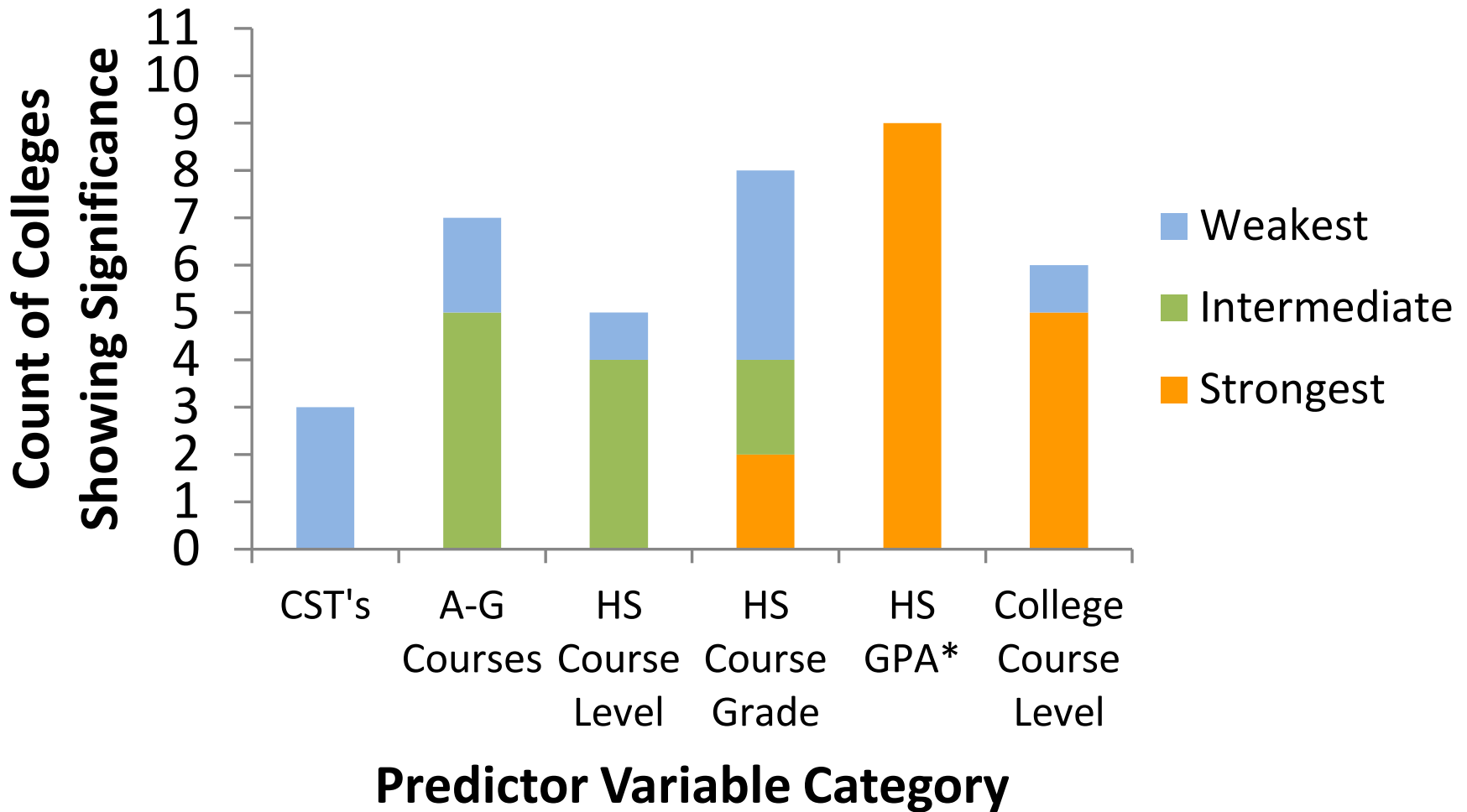
In English,

grades

predict

grades

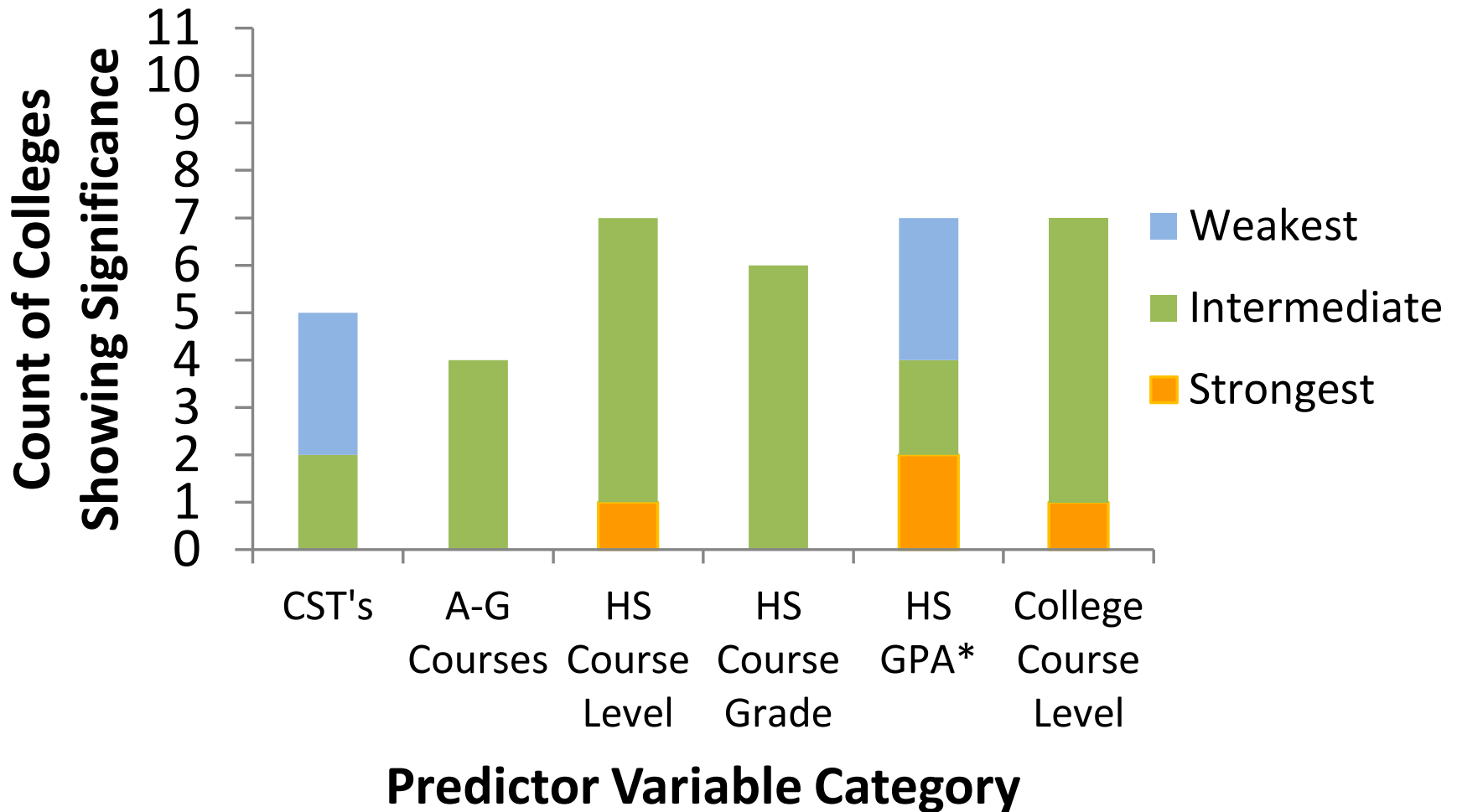
Predicting College English Success



Cox & Snell pseudo R-square ~ 0.20

In math,
success
predictors
vary by
college

Predicting College Math Success



Cox & Snell pseudo R-square ~ 0.20

What Does This Mean?

- There is a disconnect between test scores and performance in the first course taken at many institutions
- Using transcript elements would help to refine assessment
- The relative weight of variables might be influenced by local factors, due to considerations such as articulation and curriculum

What Happens Next?

- Updating the statewide analysis
- Encouraging more colleges to replicate the study so they understand the value of transcript data for their own students
- Starting conversations about how the study relates to other aspects of developmental education reform—such as alignment, course offerings, and curriculum
- Helping to develop a tool that enables colleges to access high school data to inform multiple measures assessment

Cabrillo's Experience

- Availability of data from local high schools
- Working with the STEPS module
- Level of interest in findings at the campus
- Potential utility in relation to current and upcoming initiatives

Additional Resources

- Information about Long Beach City College's research
 - <http://bit.ly/PathwaysResearch>
- More information about the RP Group's Student Transcript-Enhanced Placement (STEPS) Project
 - <http://bit.ly/RPSTEPS>
- Step by Step process for replicated the research and placement:
 - <http://bit.ly/RPSTEPS2>
- Jobs for the Future Report: Where to Begin?: The Evolving Role of Placement Exams for Students Starting College
 - <http://bit.ly/JFFReport>
- CCRC research on Assessment, Placement, and Progression in Developmental Education
 - <http://bit.ly/CCRCAssess>



Overcoming Barriers to College Success Through Actionable Data and Collaboration

Finding Solutions: Using Actionable Data and Collaboration

- Creating a shared pathway to college and career readiness by connecting Pre-K through 12 to post-secondary education.
- Increasing college completion by reducing the need for remedial coursework through the use of effective interventions and multiple measures of placement.
- Targeting and improving the transition from post-secondary education to the workforce.

Building the Pipeline



College and workforce readiness begins with early childhood education and continues along the education-to-workforce pipeline.

Cal-PASSPlus

Partnership for Achieving Student Success



Welcome to Cal-PASS Plus, California's actionable system of data linking student performance from pre-K through 16, on to college and the workplace.

Explore Data and Collaborate

K-12 Schools

Community Colleges

Universities

Regional Learning Councils

Public Student Achievement Data

Best Practices

EAP College Readiness

Log In for Reports, Queries and Research

Join/Manage MOU

Upload Data
Early Childhood Education

Workforce Pipeline

Select Your Region

OR

Select Your County

East Bay

Select county

School Readiness

Elementary Education

High School Readiness

College Readiness and Access

Certificates AA Degrees Transfers

Baccalaureate Completion

Employment Living Wage Jobs

Elementary School

Middle School

High School

Community College

University

Labor Market

Caleb Greenwood, Sacramento City Unified Grade 8 Language Arts 2012 College Readiness Results

Socioeconomically

Disadvantaged: 39.0%

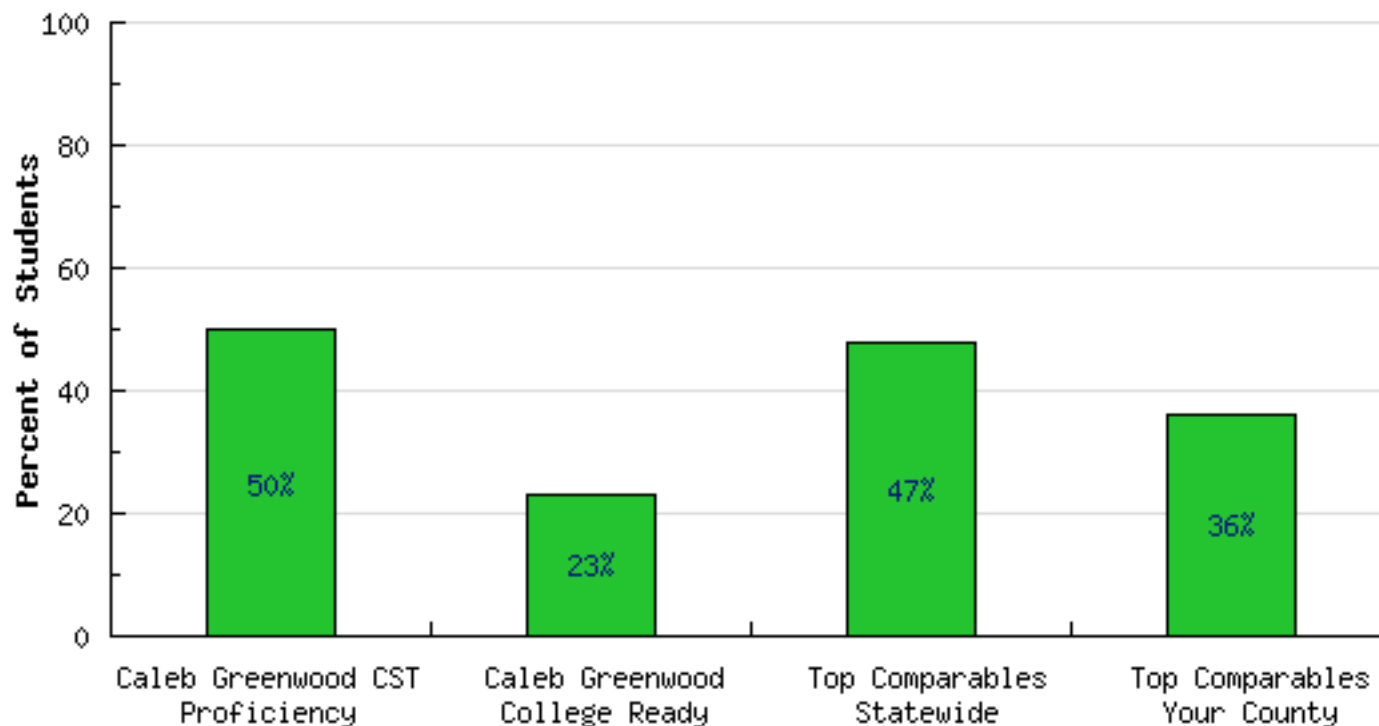
English Learners: 4.0%

Grade Enrollment: 31

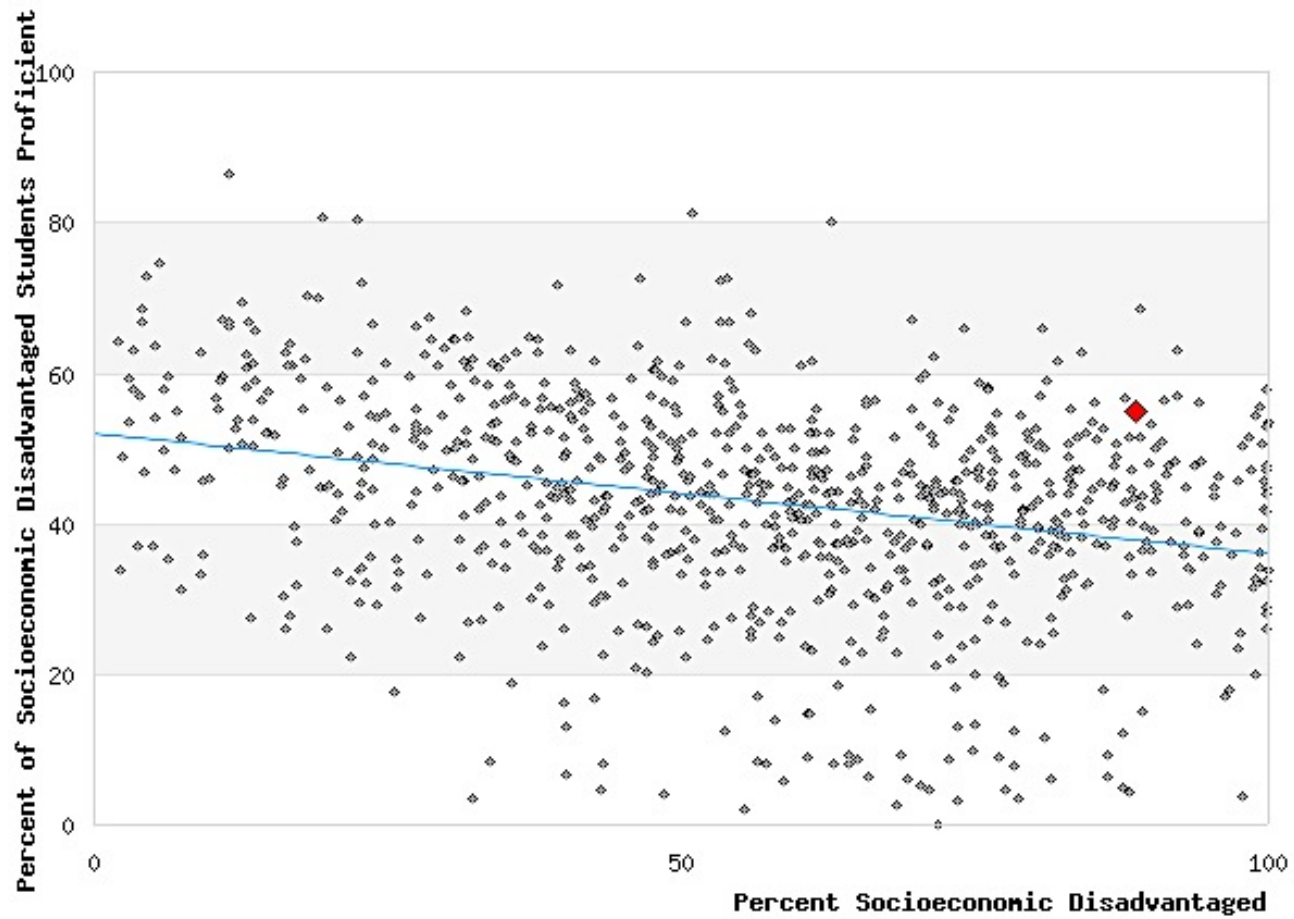
Students Tested: 26

Statewide Comparable Schools Found: 1,646

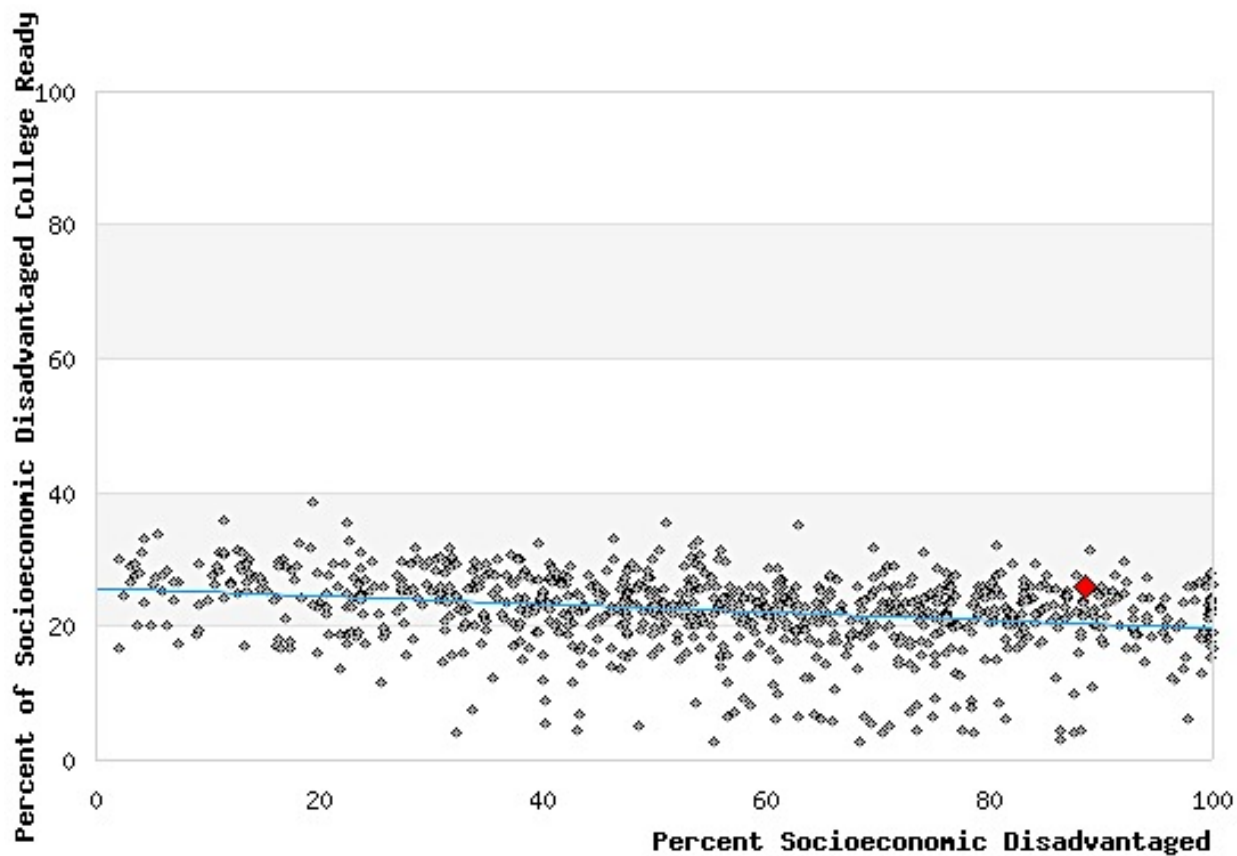
Click on Top Comparables bar below to see a breakdown of the schools which make up that bar.



Proficiency...



≠ College Readiness



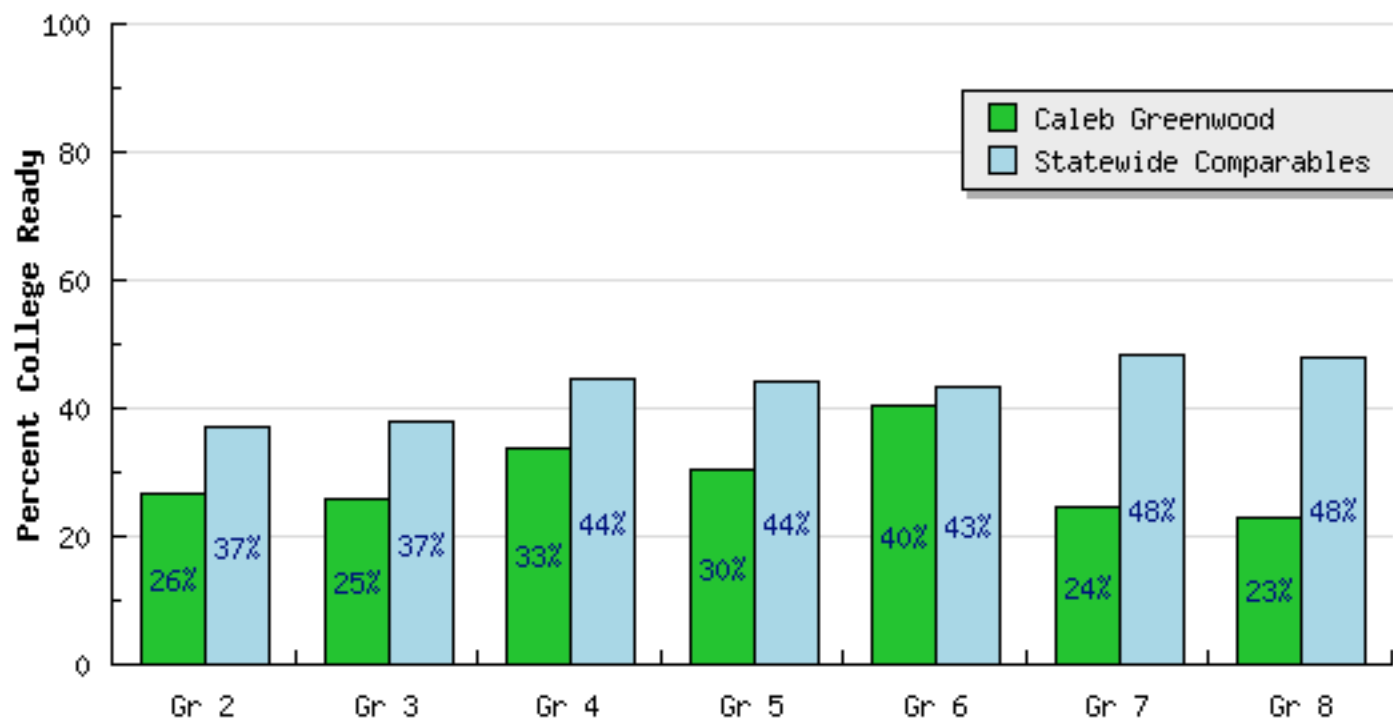
Caleb Greenwood, Sacramento City Unified Language Arts 2012 College Readiness Pathway

Socioeconomically

Disadvantaged: 39.0%

English Learners: 4.0%

Click on the bars for a grade level to explore the data for that grade.



Making STEPS Actionable – Multiple Measures Project

- Data warehouse
- Replicating STEPS system-wide
- K-12 Messaging and Data Population
- Predictive analytics
- Decision Tools vs. How To's
- Professional development
- User Interface
- Faculty engagement throughout

- Key idea: less about assessment more about placement for student success

Common Assessment

- Cal-PASS Plus key partner, as well as Academic Senate and RP Group
- Integrate Multiple Measures throughout – focus on placement not the test
- Data warehouse key component to inform research and practices
- Huge opportunity to improve outcomes for large numbers of students – participation and input from colleges is paramount

Questions

