

San Diego
Community
College District

Multiple
Measures
Assessment
Project

Sam Ballard

Alma Correa

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SDCCD Office of Institutional Research
and Planning

MMAP

- What is MMAP?
- Using MMAP
- Why MMAP?
- Limitations

MMAP Pilot Process

- Established a districtwide MMAP Work Group in Spring 2015:
 1. Discussed the concept, and adoption of MMAP model
 2. Reviewed the retrospective analysis, and validated rule sets
 3. Provided input for piloting MMAP
 4. Drafted an assessment plan that includes initial implementation strategies
 5. Continually share knowledge and inform campus constituents of MMAP & CAI
- SDCCD IRP conducted retrospective analyses in Spring 2015 using SDCCD student data to test the local predictive validity of the MMAP model.
- Worked with CalPASS to implement the pilot in Fall 2015. Students that were identified as eligible to be 'bumped' to transfer level English and/or math were contacted via email prior to Fall 2015 registration.

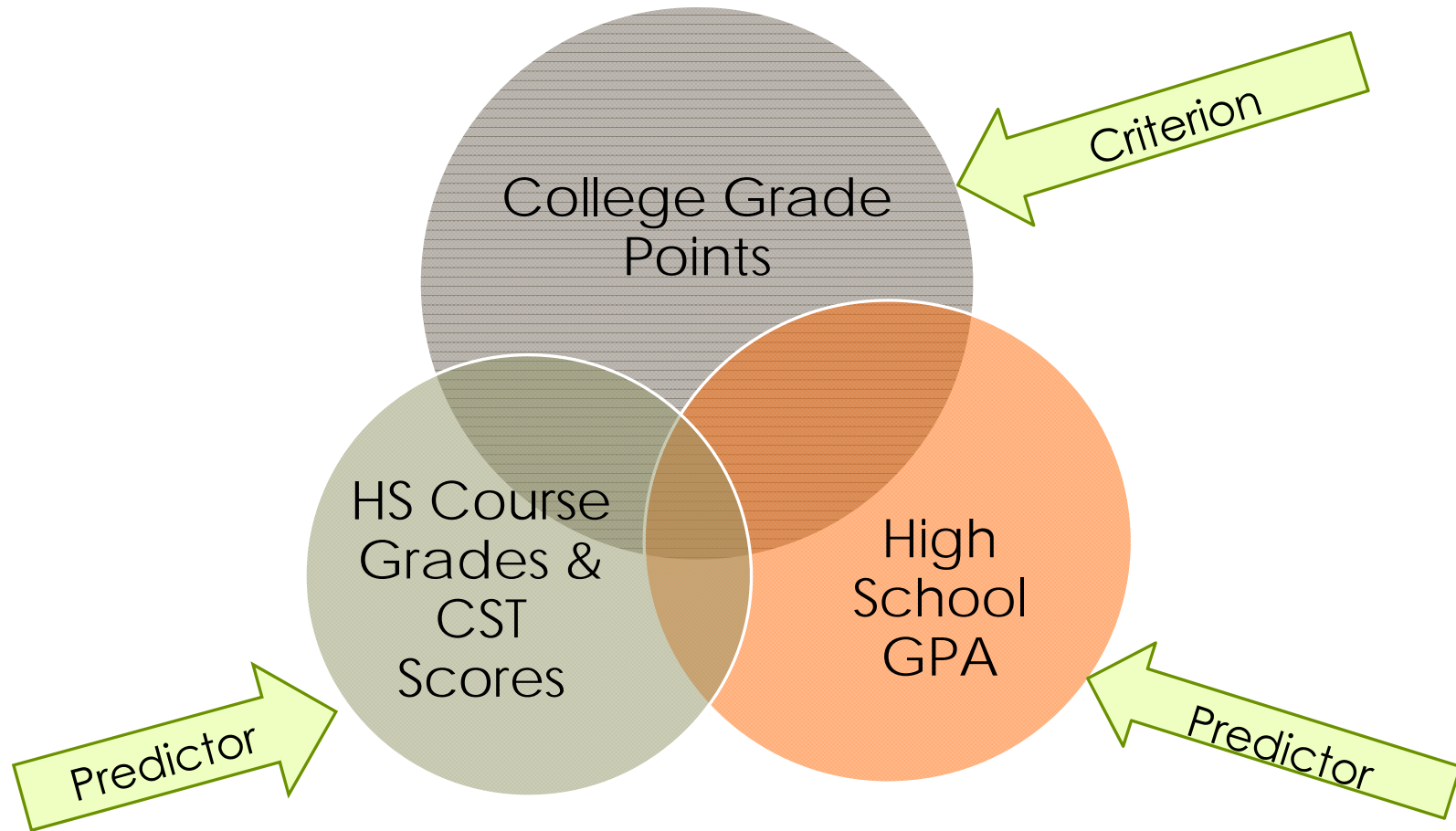


MMAP Model

Spring 2015

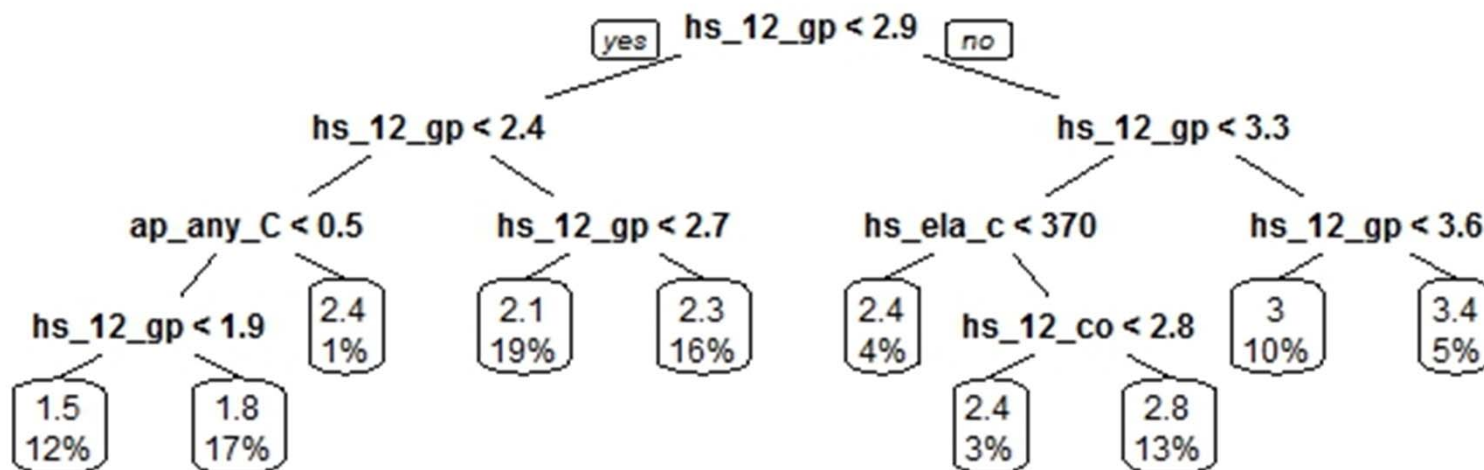
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Predicting Success



The MMAP Decision Tree Model

Transfer Level English, 12th Grade GPA



Placement Rule: Place into transfer level if: 12th grade cum GPA is ≥ 2.4

Transfer English Rule Set

11th Grade Data

- HS GPA \geq 2.4
OR
- Advanced Placement English with grade of C+ or better



MMAP Retrospective Analysis

Spring 2015

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English Correlations

English	11th Grade GPA	Accuplacer Reading	Accuplacer Writing
Transfer	0.34	0.15	0.21
One Level Below	0.22	0.12	0.18
Two Levels Below	0.25	0.13	0.19

English	12th Grade GPA	Accuplacer Reading	Accuplacer Writing
Transfer	0.33	0.10	0.20
One Level Below	0.20	0.10	0.15
Two Levels Below	0.28	0.10	0.11

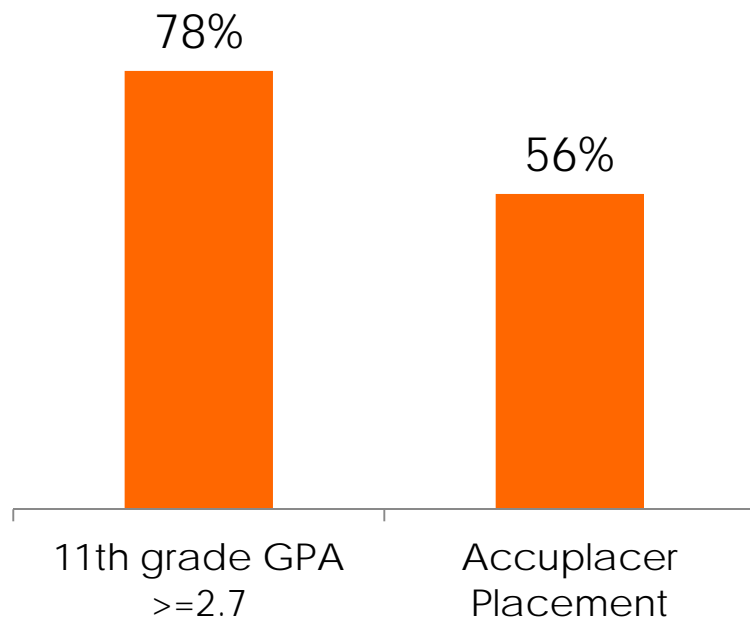
Math Correlations

Math	11th Grade GPA	Accuplacer Elementary Algebra	Accuplacer Arithmetic
Transfer	0.41	0.18	
One Level Below	0.31	0.06	
Two Levels Below	0.32		0.10
Three Levels Below	0.27		0.22
Four Levels Below	0.19		0.11

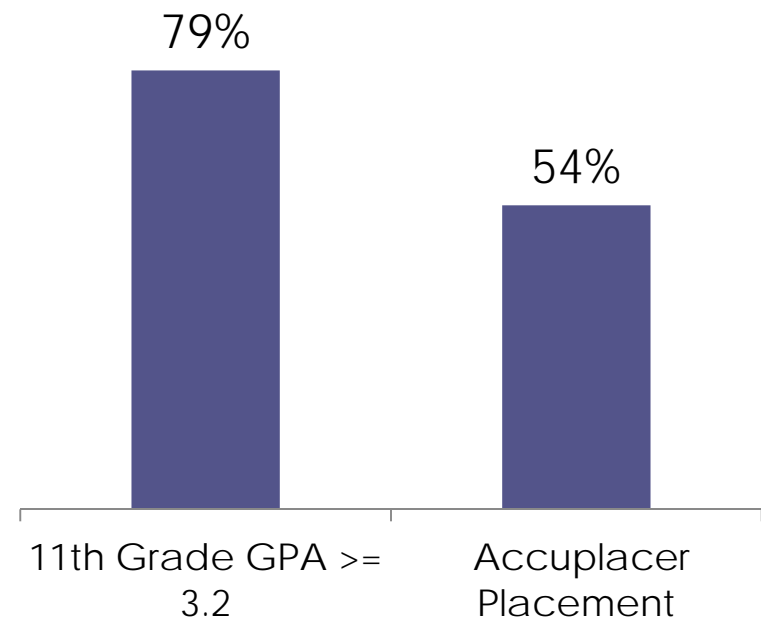
Math	12th Grade GPA	Accuplacer Elementary Algebra	Accuplacer Arithmetic
Transfer	0.41	0.18	
One Level Below	0.33	0.06	
Two Levels Below	0.32		0.10
Three Levels Below	0.24		0.22
Four Levels Below	0.16		0.11

Success in Transfer

English



Math: Statistics





MMAP Pilot Implementation

Fall 2015

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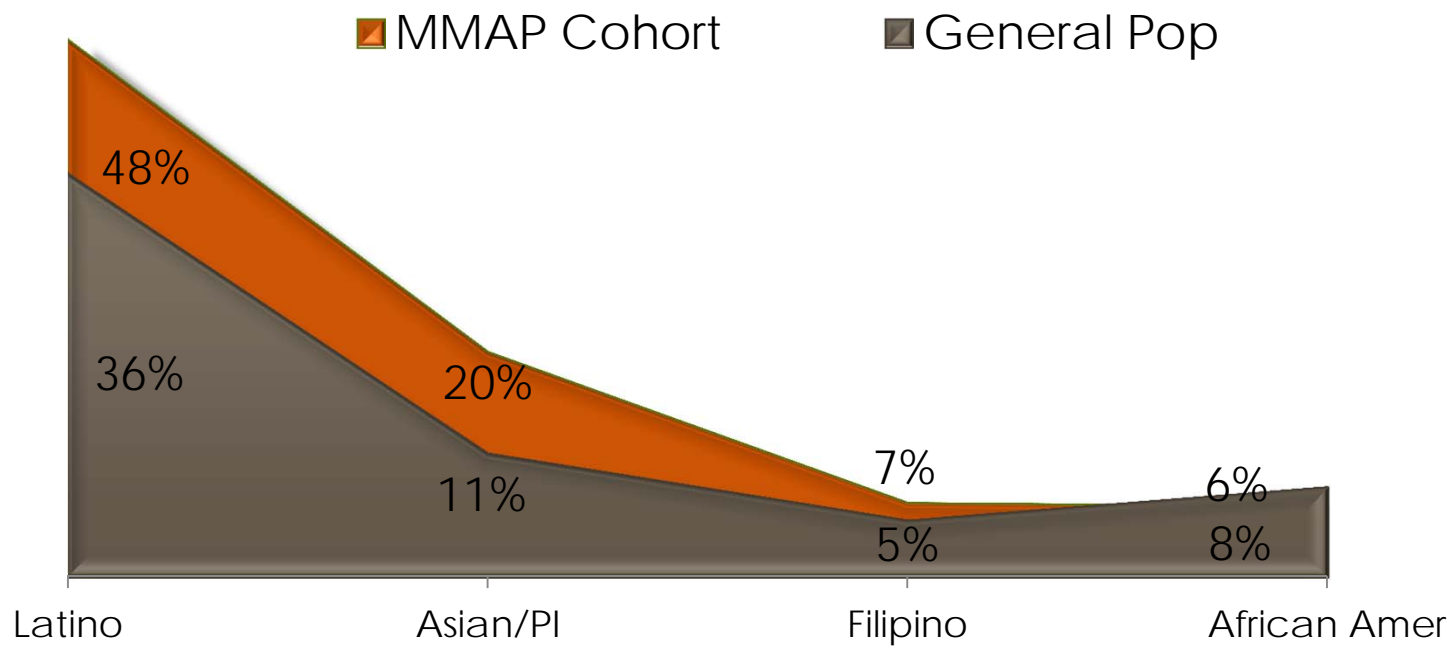
Transfer Level Placements

Fall 2015

	Accuplacer Placement at Transfer	MMAP Placement at Transfer	Combined Accuplacer and MMAP Placement at Transfer	Percent Difference
Math	261	377	638	144%
English	227	319	546	140%

The MMAP pilot cohort consists of students who applied, but may not have registered, Jan. 2015 and June 2015, and took the Accuplacer test between . Approximately 941 students are in this cohort.

Closing the Equity Gap



Transfer Level Enrollment

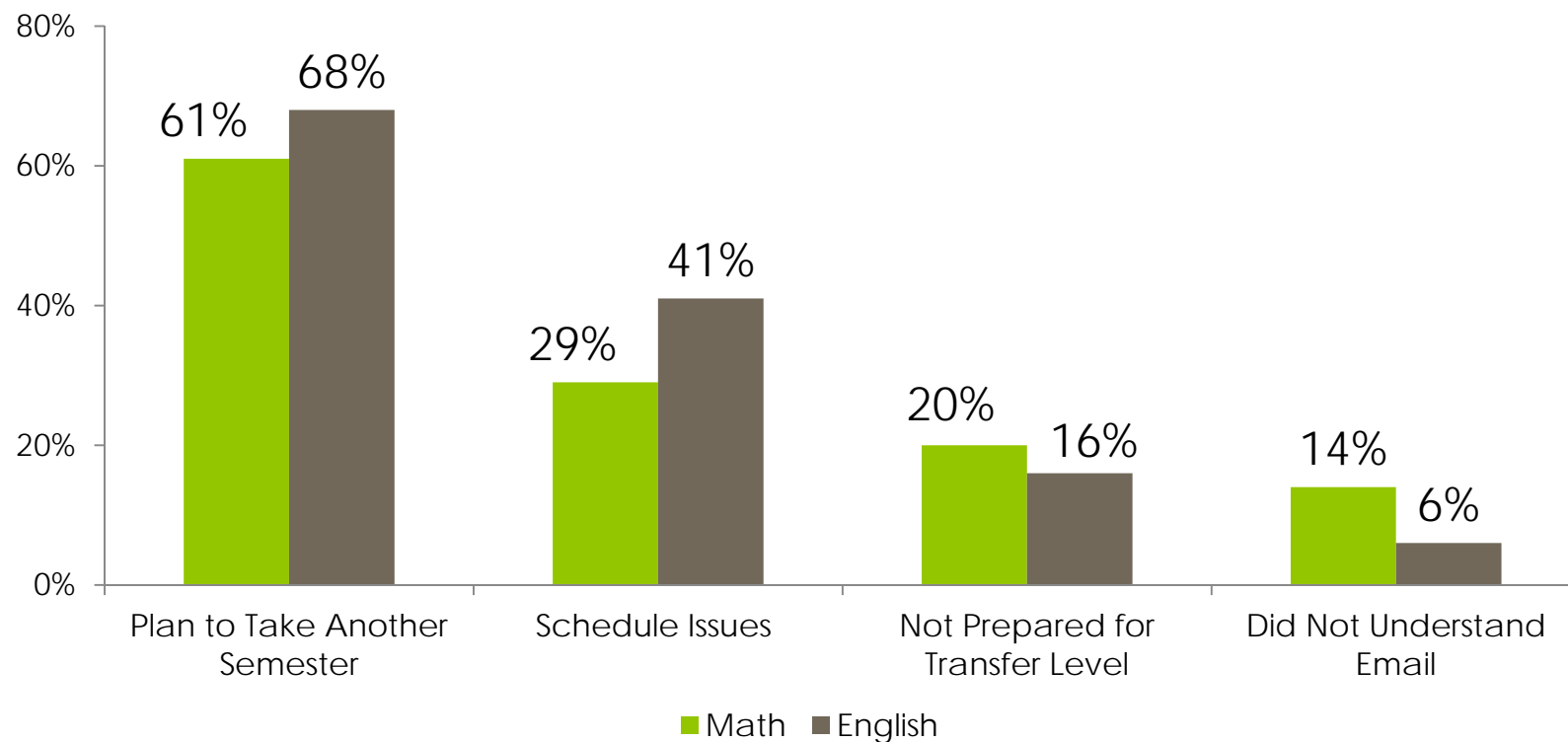
College	Cohort	Enrolled	Enrollment Rate
Math	377	113	30%
English	319	114	36%

MMAP Student Survey

- Conducted online in Fall 2015
- Participants were students who were eligible to enroll in transfer level math or English (MMAP bumped) but who did not enroll
- Initial email invitation and two email reminders were sent
- Total of 80 (30%) students responded to the math survey and 66 (32%) students responded to the English survey

Survey Results

Reasons for Not Enrolling



Next Steps

- Share the Assessment Plan broadly and collect feedback to refine strategies. (Fall 2015)
- Continue pilot in Spring 2016 using revised implementation logistics. (November 2015)
- Evaluate outcomes of fall and spring cohorts, and refine placement rule sets if needed. (Spring and Summer 2016)
- Review, select, and pilot non-cognitive measures. (Fall 2016)



Thank you!

Questions?