



Multiple Measures Spring Follow-up  
Assessment and Multiple Measures Committee

## Considerations Moving Forward:

1. Low match rate with Cal-PASS Plus – consider collecting and using self-reported transcript data
2. Change the way we notify students of their placement level i.e. psychological implications of receiving two placement levels and a one week lag between the Accuplacer score and the multiple measures score
3. Consider using the EAP score of Standard Exceeded as an additional Multiple Measure

# **Spring 2016 Pilot – Early Results**

# CalPASS Matches

<b>Students Uploaded to CalPass</b>	<b>308</b>	
<b>Matched files</b>	<b>171</b>	
<b>No match</b>	<b>137</b>	33 were out of state, the rest were high school graduates with no transcript data
<b>Usable math matches</b>	<b>79</b>	
<b>Usable English/Reading matches</b>	<b>97</b>	

# Math Placements

Multiple Measures	Accuplacer	Students
<b><u>MM Matched</u></b>		
MATH42	MATH42	1
MATH10	MATH10	4
MATH114	MATH114	1
MATH212	MATH212	2
subtotal		8
<b><u>MM Higher</u></b>		
MATH10	MATH114	4
	MATH210	1
	MATH212	11
MATH114	MATH212	1
MATH212	MATH210	1
subtotal		18
<b><u>MM Lower</u></b>		
MATH210	MATH212	1
	MATH114	1
subtotal		2
<b>Grand Total</b>		<b>28</b>

First time students who took a math placement test for the first time between 2/8/16 and 4/19/16.  
Source: IRP

# Math Enrollments

Multiple Measures	Accuplacer	Course Enrolled	Students
MATH10	MATH114	MATH114	1
	MATH212	MATH212	4
MATH210	MATH212	MATH212	1
	<b>Total</b>		<b>6</b>

First time students who took a math placement test for the first time between 2/8/16 and 4/19/16.  
Source: IRP

# English Placements

English Dept. GPA Criteria	Accuplacer	Students
<b><u>MM Matched</u></b>		
EWRT1A	EWRT1A	19
EWRT200	EWRT200	2
EWRT211	EWRT211	19
subtotal		40
<b><u>MM Higher</u></b>		
EWRT211	EWRT200	3
subtotal		3
<b><u>MM Lower</u></b>		
EWRT200	EWRT211	1
EWRT211	EWRT1A	3
subtotal		4
<b>Grand Total</b>		<b>47</b>

First time students who took an English placement test for the first time between 2/8/16 and 4/19/16.  
Source: IRP

# English Enrollments

English Dept. GPA Criteria	Accuplacer	Course Enrolled	Students
EWRT1A	EWRT1A	EWRT1A	6
EWRT211	EWRT1A	EWRT1A	1
	EWRT200	EWRT200	1
	EWRT211	EWRT211	3
	<b>Total</b>		<b>11</b>

First time students who took an English placement test for the first time between 2/8/16 and 4/19/16.

Source: IRP



# Reading Placements

Reading Dept. GPA Criteria	Accuplacer	Students
<b><u>MM Matched</u></b>		
EWRT1A	EWRT1A	22
READ200	READ200	2
READ211	READ211	19
subtotal		43
<b><u>MM Higher</u></b>		
EWRT1A	READ211	5
subtotal		5
<b>Grand Total</b>		<b>48</b>

First time students who took a Reading placement test for the first time between 2/8/16 and 4/19/16.  
Source: IRP

# Reading Enrollments

Reading Dept. GPA Criteria	Accuplacer	Course Enrolled	Students
<b>READ211</b>	<b>READ211</b>	<b>READ211</b>	<b>3</b>

First time students who took a Reading placement test for the first time between 2/8/16 and 4/19/16.

Source: IRP

# **Data Matching, Self-Reported Data and EAP**

# High Schools Reporting to CalPass Plus

CalPass Data Available	Reporting High School	Enrolled in Fall 2014	% Enrolled in Fall
2014-15	East Side Union	984	28%
N/A	Out of State/Other California	700	20%
2014-15	Fremont Union	486	14%
2012-13	San Jose Unified	405	12%
2014-15	Campbell	279	8%
2014-15	Santa Clara Unified	194	5%
N/A	Milpitas	129	4%
N/A	Santa Clara Private HS	66	2%
2014-15	Morgan Hill	59	2%
2012-13	Mountain View-Los Altos	52	1%
N/A	Los Gatos	52	1%
2014-15	San Mateo Union	51	1%
N/A	Sequoia	20	0%
2014-15	Gilroy	18	0%
N/A	Palo Alto	14	0%
N/A	San Mateo Private HS	13	0%
	<b>Total</b>	<b>3,522</b>	

## Self-reported HSGPA appears to be reliable alternative

- College of the Canyons Research (Gibbons, 2014)
  - Self-report of last course and grade in Fall term very accurate
  - Errors that do occur in part because of timing
- University of California admissions
  - Uses self-report HSGPA but verifies after admission
  - 2008: 9 campuses, 60000 students. No campus had more than 5 discrepancies b/w reported grades and student transcripts:
    - <http://bit.ly/UCSelfReportGPA>
- Much of the ACT research uses self-report GPA and finds it to be a more powerful predictor than students actual scores on the standardized tests
  - ACT, 2013:  $r(1978) = .84$

CSU's Early Assessment Program (now part of Smarter Balanced K-12 testing system)

- Assessment of high school juniors to measure their readiness for college-level English and Math
  - Includes a computer adaptive test and an essay (English)
- CSU accepts students who receive 'Standard Exceeded' into college-level English and Math coursework – do not need to take a placement test

More information: <https://www.calstate.edu/EAP/>

# Next Steps

- Continue to place students using Accuplacer and Multiple Measures
  - Use EAP scores to place students as a multiple measure as well?
- Discuss different ways to notify students in the pilot
  - Provide only one placement level rather than Accuplacer and MM?
  - Automate the process so students receive their MM placement at the same time as Accuplacer (now a 1 week delay)
- Continue to track the spring cohort to multiple outcomes
- Survey students who were in the pilot to get their feedback
- Discuss the possible use of self-reported transcript data
  - Collect course, grade, and GPA on application
  - Validate 10% of self-reported data against CalPass transcripts
  - Allows greater access for students without transcript data in CalPass
  - Increase our sample size to determine if MM is working or not