

Data Spotlight

2014 Graduation & Advanced Course-Taking Trends



ANDREW PARR, STATE BOARD OF EDUCATION
BARBARA DITTRICH, OSPI
PARKER TEED, STATE BOARD OF EDUCATION



Key Questions



- What was the Class of 2014 graduation rate and are groups' graduation rates improving?
- What kind of progress are we making in meeting the Educational System Health Midpoint Goals?
- What do we see in the current advanced course-taking patterns?
 - ✦ Class of 2013?
 - ✦ Class of 2014?
 - ✦ Class of 2015?



2014 High School Graduation



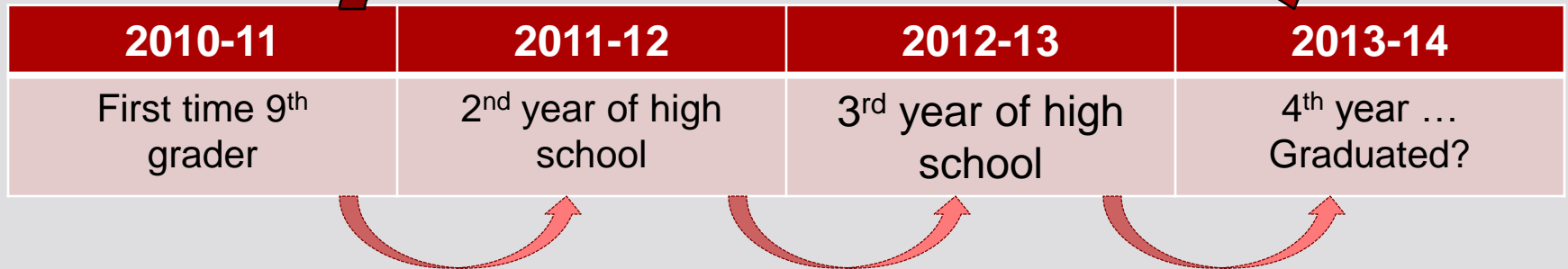
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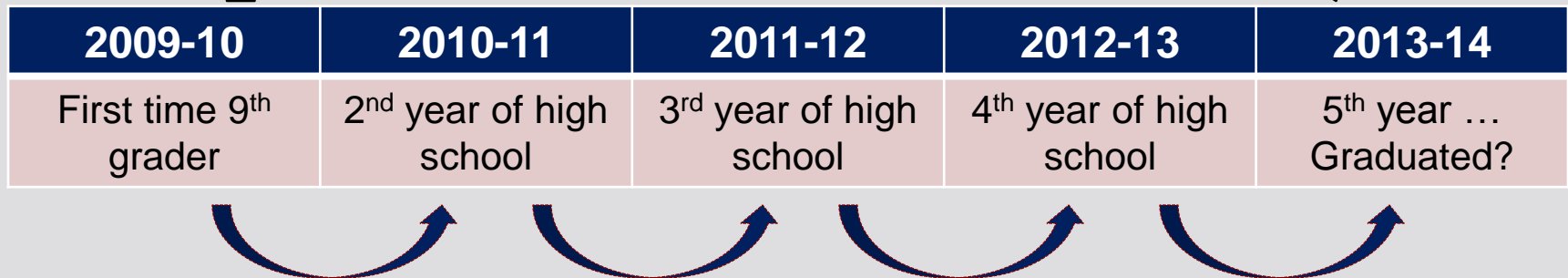
Adjusted Cohort Graduation Rate



Four-Year Cohort



Five-Year Cohort



2014 Graduation Data

10.4 % continue to a 5th year of high school.

2010-11	2011-12	2012-13	2013-14
First time 9 th grader	2 nd year of high school	3 rd year of high school	4 th year ... graduated?

2014-15
5 th year ... graduation?



0.8 % dropout in year 1

1.4 % dropout in year 2

7.2 % dropout in year 4

12.3% classified as dropouts.

2.9 % dropout in year 3



Graduates
77.2%



Graduation Rate Gaps Narrowed Class of 2013 and Class of 2014

Four Year Graduation Rate	Class of 2013	Class of 2014	Change
All Students	76.0	77.2	1.2
Native American	52.5	53.7	1.2
Asian	84.1	86.5	2.5
Pacific Islander	62.3	64.6	2.3
Black / African American	65.4	67.8	2.4
Hispanic / Latino	65.6	67.3	1.7
Caucasian	79.4	80.5	1.1
Students with Disabilities	54.4	55.7	1.3
English Language Learners	50.4	53.7	3.3
Low Income	64.6	66.4	1.7
Foster Care	36.6	41.5	4.9

← Statewide, the rate improved 1.2%.

Most subgroups narrowed the gap because their rate improved more than 1.2%.

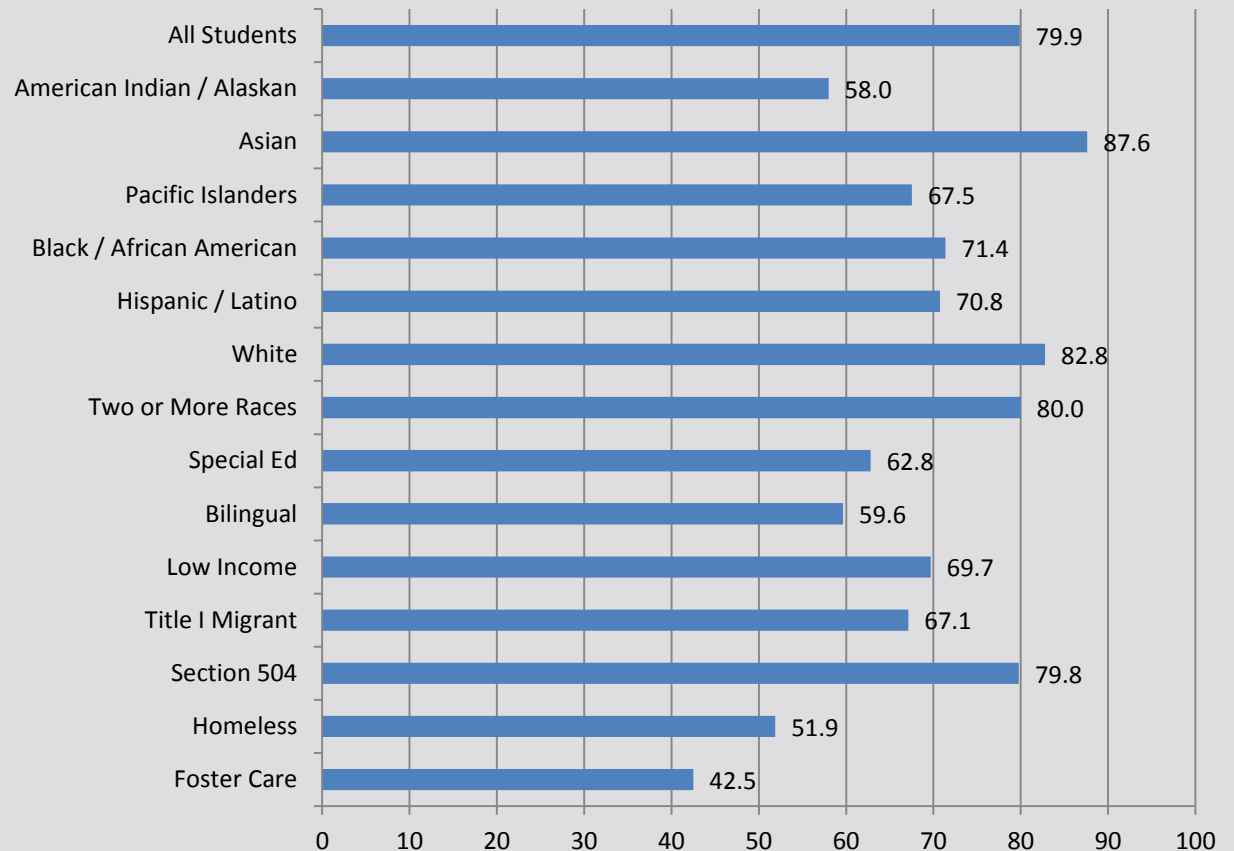


5-Year (Extended) Graduation Rate

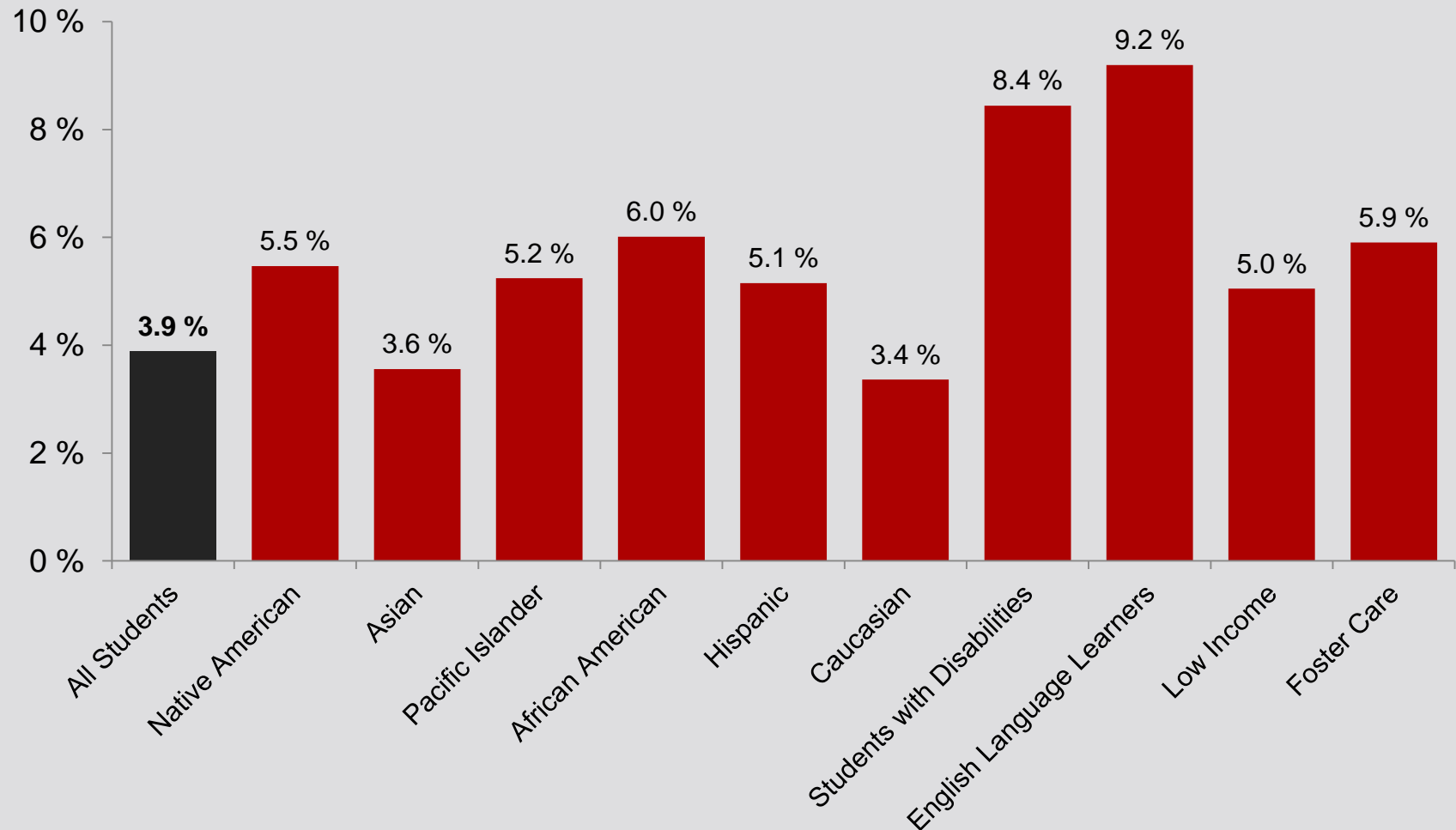


Substantial Gaps
are evident.

5-Year Adjusted Cohort Graduation Rate



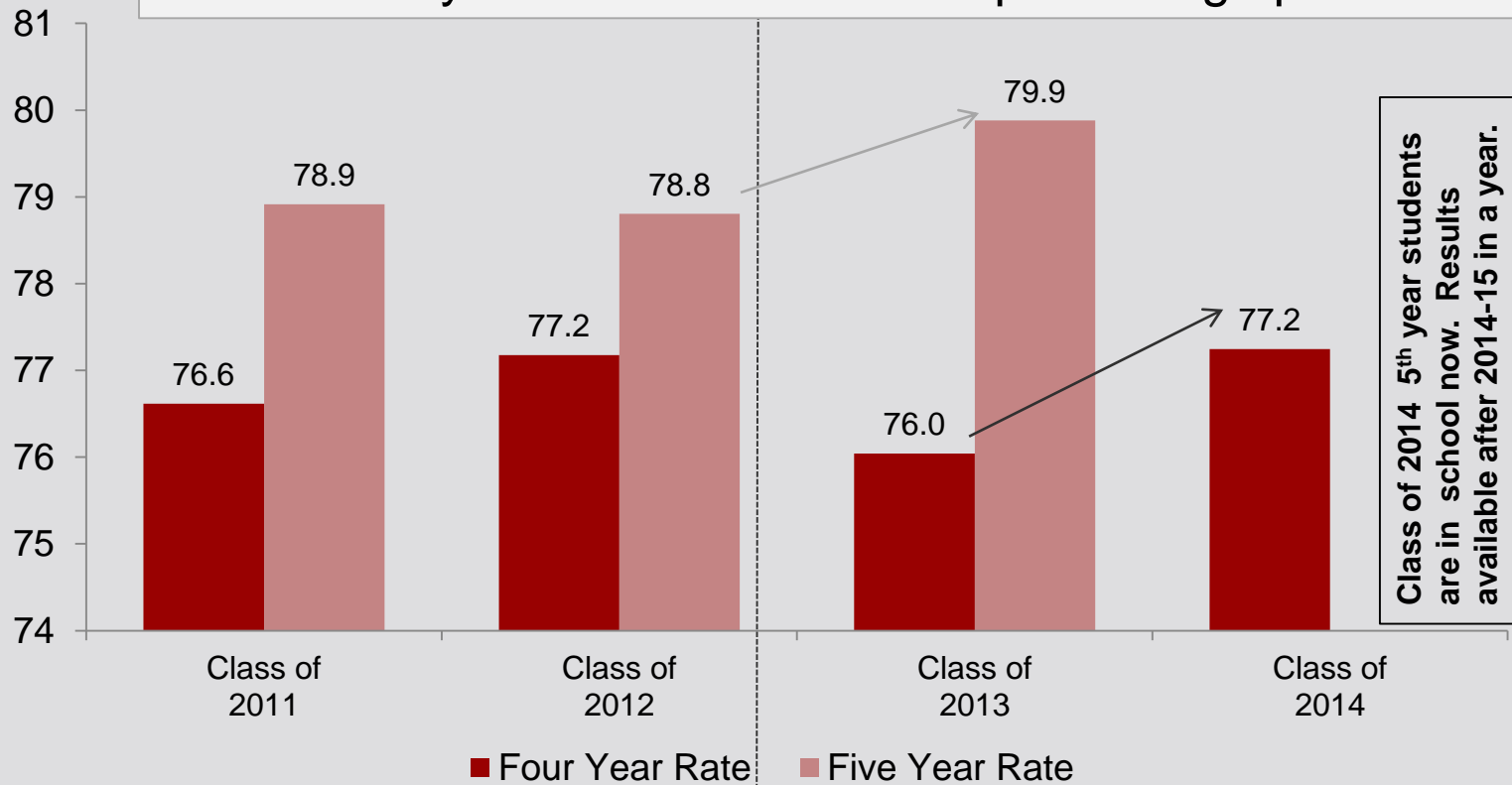
5-Year (Extended) Graduation Rate Increase



Graduation Rate Trend

9

The 4-year rate increased 1.2 percentage points and the 5-year rate increased 1.1 percentage points



On-Time Graduation Rates Change Over Five Cycles



4-Yr Cohort Grad Rate	2009-10	2010-11	2011-12	2012-13	2013-14	2-Year Change ⁺	5-Year Change ⁺
All Students	75.4%	76.6%	77.2%	76.0%	77.2%	1.2	1.8
Black / African American	70.0%	68.9%	66.9%	65.4%	67.8%	2.4	-2.2
American Indian / Alaskan Native	62.9%	62.2%	56.4%	52.5%	53.7%	1.2	-9.2
Asian	85.9%	84.9%	84.4%	84.1%	86.5%	2.5	0.6
Hispanic	68.6%	67.6%	66.5%	65.6%	67.3%	1.7	-1.3
Pacific Islander	61.9%	66.9%	64.4%	62.3%	64.6%	2.3	2.7
White	82.5%	81.9%	80.2%	79.4%	80.5%	1.1	-2.0
Two or More		73.6%	78.1%	76.2%	75.5%	-0.7	*1.9
Students with Disabilities	63.7%	59.6%	57.4%	54.4%	55.7%	1.3	-8.0
Limited English	53.6%	54.5%	53.8%	50.4%	53.7%	3.3	0.1
Low-Income	71.2%	68.5%	66.0%	64.6%	66.4%	1.7	-4.8

*Note: 4-Year change for the Two or More student group

*Note: Change shown as percentage points

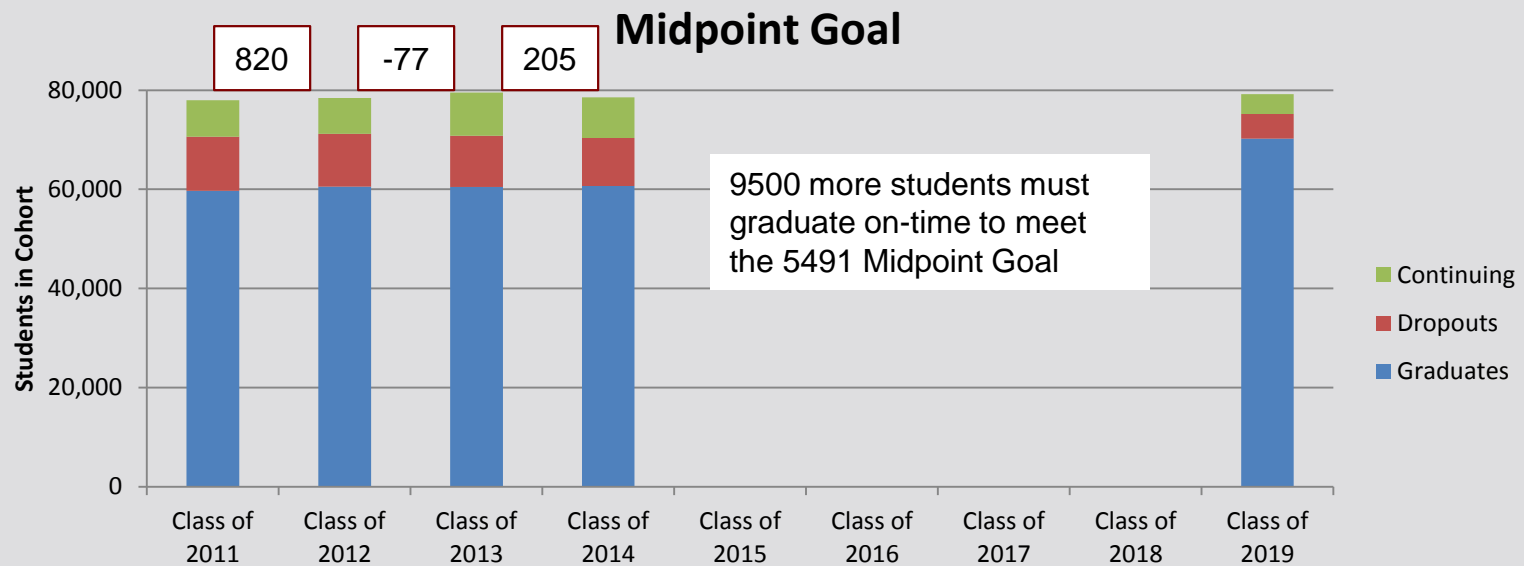


Statewide Indicator of System Health

On-Time Graduation



- To meet the 5491 Midpoint goal, approximately 1600 more students must graduate each year beginning with the class of 2014.
- The number of on-time graduates increased by 205 students from the class of 2013 to the class of 2014.





Clarifying Questions



PSAT and Advanced Placement Participation



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Typical Progression for College Prep



- Freshman – Preliminary SAT (PSAT) practice test
- Sophomore/Junior – PSAT practice or live test
 - ✦ Qualify for National Merit Scholarship (early graduates)
 - ✦ Assess for Advanced Placement readiness
- Junior – PSAT or SAT
 - ✦ Taking Advanced Placement Courses
- Senior – SAT
 - ✦ Taking Advanced Placement Courses
- On-Time graduation with AP credits that transfer into college credits

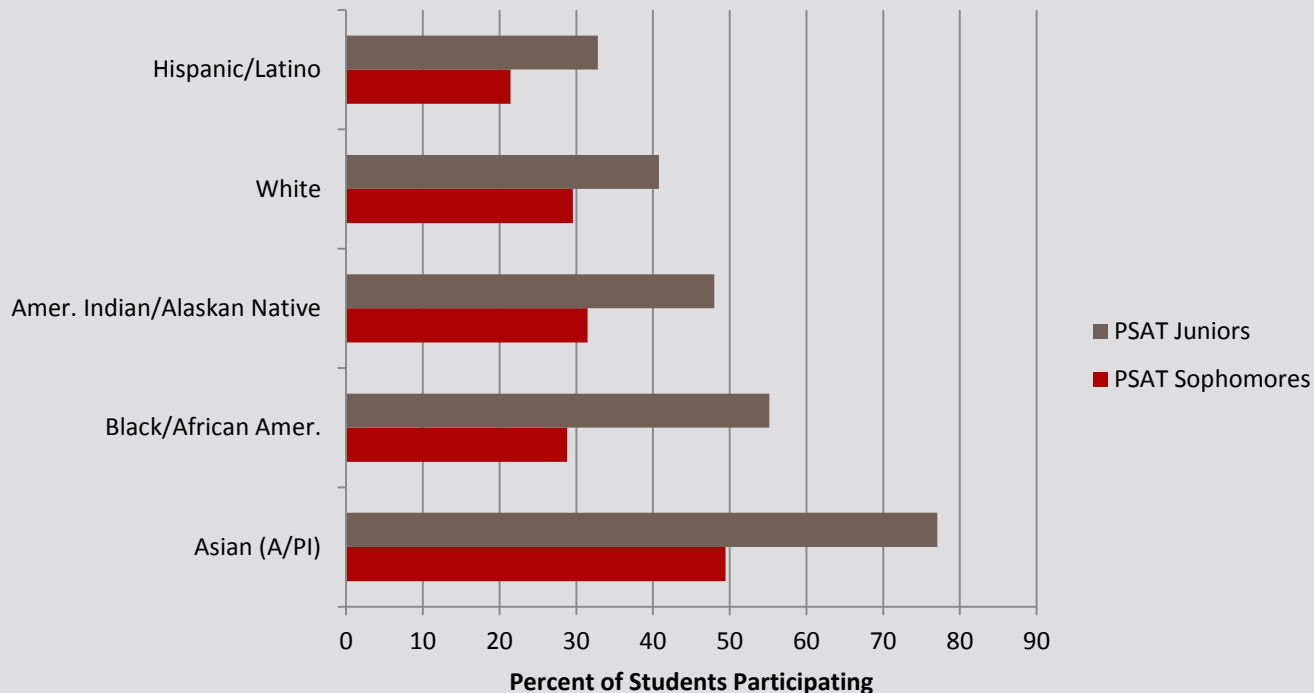


PSAT Participation (2014)



- Almost one half of Asian 10th grade students took the PSAT
- More than three-fourths of Asian 11th graders took the PSAT

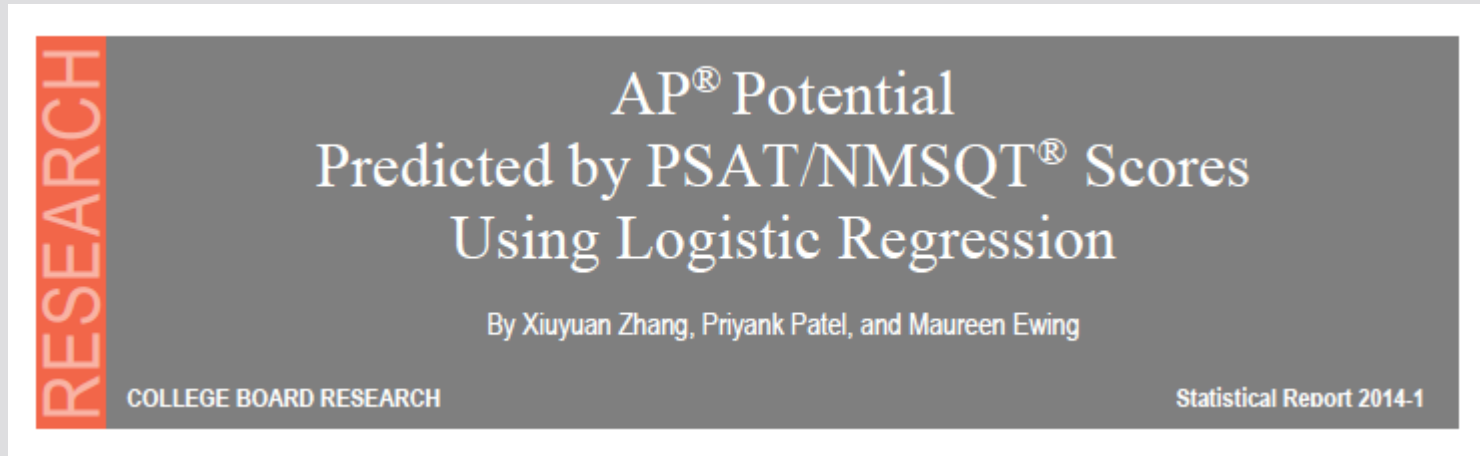
PSAT Participation by Race/Ethnicity



Advanced Placement Potential



- Advanced Placement Readiness



- <http://research.collegeboard.org/publications/ap-potential-predicted-psatnmsqt-scores-using-logistic-regression>



Questions You Might Have in Mind



- If we can predict rigorous Advanced Placement (AP) readiness in high school,

What kind of PSAT scores indicate AP readiness?

How many students are ready for AP?

Are all AP ready students taking AP coursework?



Advanced Placement Readiness

- Uses performance on the PSAT to predict success on AP tests
- Build 'expectancy tables' to determine AP readiness
- Purpose is to guide qualified students into advanced courses
- Students benefit substantially from advanced course taking even if they do not pass the test.

AP Tests – STEM Fields

Test	60%	70%
Biology	114	118
Chemistry	115	121
Computers A	114	119
Environmental Science	110	114
Physics B	118	121
Statistics	112	109

Critical Reading and Math (combined) total



AP Biology

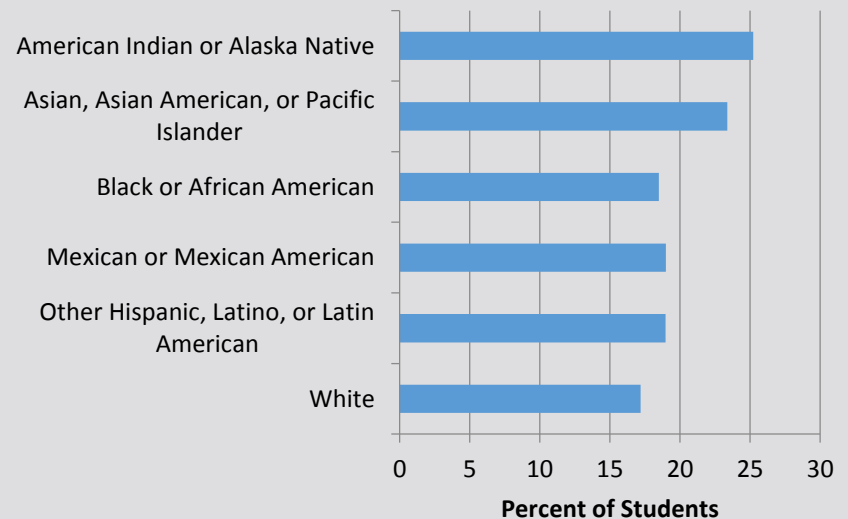


- For the American Indian student group
 - ✦ 107 AP Biology-Ready
 - ✦ 50 tested and 27 (25%) passed

Race/Ethnicity	PSAT Test Takers	# AP Biology Ready	% AP Biology Ready
American Indian or Alaska Native	1161	107	9.2
Asian, Asian American, or Pacific Islander	9826	2853	29.0
Black or African American	4365	200	4.6
Mexican or Mexican American	6962	316	4.5
Other Hispanic, Latino, or Latin American	2840	232	8.2
White	38244	10061	26.3

- A Critical Reading and Math (combined) score of at least 110 is required to be AP ready in a STEM field

Percent of AP Biology-Ready Students Passing the AP Test



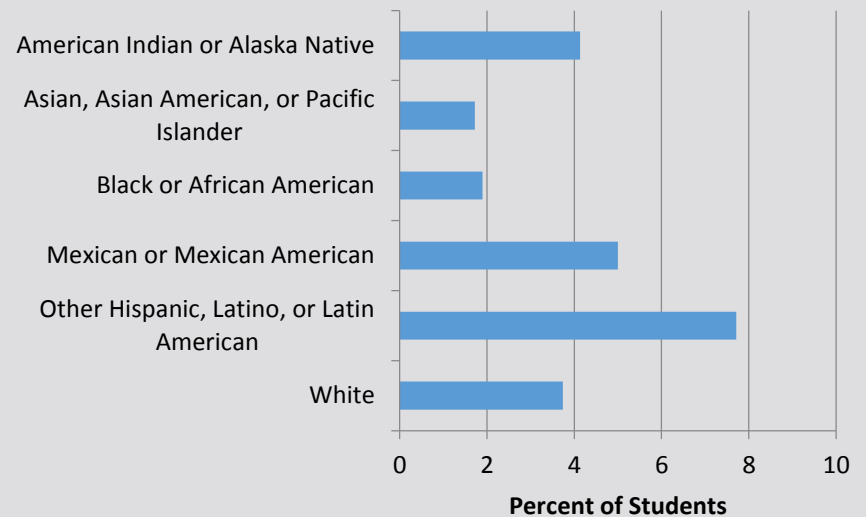
AP Computer Science (CS)

Based on PSAT results, many students were ready for the AP Computer Sciences course...

...but small percentages of students passed the AP Computer Science test.

Race/Ethnicity	PSAT Test Takers	# AP CS Ready	# Tested AP CS
American Indian or Alaska Native	1161	107	10
Asian, Asian American, or Pacific Islander	9826	2853	339
Black or African American	4365	200	23
Mexican or Mexican American	6962	316	15
Other Hispanic, Latino, or Latin American	2840	232	10
White	38244	10061	590

Percent of Students AP CS-Ready Passing the AP Computer Science Test



AP Chemistry



- 548 Hispanic/Latino students are AP Chemistry-Ready
 - ✦ 28 percent of ready Hispanic/Latino students test
 - ✦ 26 percent pass the AP Chemistry Test

AP Chemistry Hispanic/Latino Students

