

# Washington Educational System Health (ESSB 5491) Performance Indicators



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WASHINGTON STATE BOARD OF EDUCATION

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# Presentation Roadmap



- SBE authority and requirements under ESSB 5491
- Review the status of each indicator



# ESSB 5491 – SBE Authority



- The State Board of Education shall...
  - ✦ Identify realistic but challenging performance goals
  - ✦ Submit an initial and biennial report on the status of each indicator

**Work with state agencies and other entities including: OSPI, WFTECB, EOGOAC, WSAC.**



# Previous Work Under ESSB 5491

- As required under ESSB 5491, the SBE submitted the initial report on December 1, 2013 describing:
  - ✦ The status of each indicator specified in ESSB 5491,
  - ✦ The goals for each indicator, and
  - ✦ Recommended revised indicators



## An Overview of the Statewide Indicators of Educational Health, Their Current State, Goals/Objectives, and Recommendations for Future Enhancements

December 1, 2013

### Prepared by:

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- Ben Rarick, Executive Director, Washington State Board of Education
- Linda Drake, Research Director, Washington State Board of Education

### Partner Agencies and Committees:

- Office of Superintendent of Public Instruction (OSPI)
- Workforce Training and Education Coordinating Board (Workforce Board)
- The Washington Student Achievement Council (WSAC)
- Educational Opportunity Gap Oversight and Accountability Committee (EOGOAC)
- Washington State Board for Community & Technical Colleges (SBCTC)
- Achievement and Accountability Workgroup (AAW)
- Department of Early Learning (DEL)

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# ESSB 5491 – SBE Requirement



- If the educational system is not on target...or
- If not in the top 10 percent nationally...or
- If not comparable to Peer States...the SBE must

**Recommend evidence-based reforms intended to improve student achievement in that area.**



# Peer States



- Colorado (11)
- Connecticut (5)
- Maryland (8)
- Massachusetts (1)
- Minnesota (6)
- New Jersey (2)
- North Carolina (28)
- Virginia (10)

Washington Learns

**Global Challenge States**

Success in the new world requires innovation, creativity, entrepreneurship, and commercialization of new technologies—all of which rely on educated citizens. In 2002, the Progressive Policy Institute published a New Economy Index which ranked states based on indicators of their potential to perform in the new economy. To measure our ability to stay competitive in the global economy, Washington Learns identified a group of comparison states from the index to use for benchmarks. These 10 Global Challenge States (GCS) include the eight states that top the list on the Progressive Policy Institute's New Economy Index and two other states with economic characteristics that are similar to Washington but that are farther down the list on the NEI. (<http://www.neweconomyindex.org/>)

**Global Challenge States—Demographic Information**

	GCS Ranking	Population (2005)	Percent in Urbanized Area (2000)	Average Wage (2004)	Poverty Rate Under 5 Years (2000)	Speak English less than "Very Well": Age 5-17 (2000)	Children in Home where Head of Household is a High School Dropout
Massachusetts	1	5,600,388	88.8%	\$47,876	12.4%	5.5%	10%
<b>Washington</b>	<b>2</b>	<b>6,287,799</b>	<b>73.0%</b>	<b>\$40,299</b>	<b>15.9%</b>	<b>5.3%</b>	<b>12%</b>
California	3	36,132,147	88.4%	\$44,028	20.4%	16.4%	25%
Colorado	4	4,665,177	74.7%	\$39,624	12.7%	5.7%	16%
Maryland	5	6,398,743	80.2%	\$42,110	11.7%	3.4%	11%
New Jersey	6	8,717,925	92.2%	\$47,239	11.5%	6.6%	11%
Connecticut	7	3,510,297	83.6%	\$49,941	11.3%	5.1%	9%
Virginia	8	7,567,465	66.6%	\$40,335	13.2%	3.4%	13%
Minnesota	13	5,132,799	55.1%	\$39,551	10.6%	3.9%	8%
North Carolina	26	8,683,242	46.7%	\$34,364	17.9%	3.6%	17%

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1 of 8



# Index Website

<https://eds.ospi.k12.wa.us/WAI>



**Welcome to the Washington State Achievement Index Site**

The [Washington State Achievement Index](#) is designed as a unified state and federal system intended to meaningfully differentiate among schools. It is a snapshot of a school's performance based on statewide assessments. We can compare how a school performs in reading, writing, math, science, and graduation rates. The achievement index is a joint project between the [State Board of Education](#) and the [Office of the Superintendent of Public Instruction](#).

The goals are to:

- To provide a fair and consistent measurement of Washington's public schools.
- To present a clear picture of how schools and districts are performing.
- To demonstrate improvement over time and highlight closing achievement gaps.
- To tell us more, in an easier-to-understand way, than the federal "No Child Left Behind" Act's requirements for Adequate Yearly Progress.
- Show how well low income and non-low income students perform.

In July 2012, SBE and OSPI began to revise the Achievement Index to include student growth data and college and career readiness indicators. This data will provide a better way to view school performance, measuring not only how many students meet state proficiency standards, but also how much and how quickly students are learning.

**Click here to launch the Achievement Index**

Achievement Index	Awards					
	Proficiency					Proficiency Average
	Reading	Math	Writing	Science	Average	
All Students	10.00	9.00	10.00	8.00	9.25	8.50
Targeted Subgroups	8.75	7.00	8.50	7.25	7.88	
	Career and College Readiness				Average	Growth Average
All Students					5.50	5.31
Targeted Subgroups					5.13	
	Graduation Rate	Dual Credit/ Industry Certification	11th Grade Assessments	Average	Overall Average	
All Students	9.00	To be phased-in		9.00	8.50	
Targeted Subgroups	8.00			8.00		
<b>2013 INDEX RATING</b>						<b>7.46</b>

**Tools on this site:**

- [Achievement Index](#) - View individual school index reports.
- [Educational System Health](#) - View statewide indicators of educational health.
- [School Code Lookup](#) - Search by Educational Service District, School District, school name, code, type and category.
- [Historic Index](#) - View historic Achievement Index data for 2008-2011 school years.
- [Index FAQ](#) - Find answers to Frequently Asked Questions.

► [State Board of Education Website](#) ► [Email: sbe@k12.wa.us](mailto:sbe@k12.wa.us) Phone #: 360.725-6025 ► [OSPI Website](#) ► [Index FAQ](#) ©Copyright 2004 - 2012



# Educational System Health Indicators



<https://eds.ospi.k12.wa.us/WAI>

Washington State Board of Education - Statewide Educational System Health

ESSB 5491 Bill ESSB 5491 Rpt Indicator Data

Click any of the images below to view its details. Or view the data as a [Indicator Chart](#)

### Stepping Stones to Career and College Readiness for ALL Students

Draft 2020 Targets

Indicator	Draft 2020 Target	2013 Status	Change from 2012
Kindergarten Readiness	69%	41%	+3.6
3rd Grade Literacy	87%	73%	+4.3
8th Grade High School Readiness	72%	44%	-2.0
High School Graduation	89%	76%	-1.2
Quality of High School Diploma	93%	85%	-1.2
Post-Secondary Attainment	70%*	50%	-20.0

\*Draft 2023 Target



# A Few Words About Goal-Setting



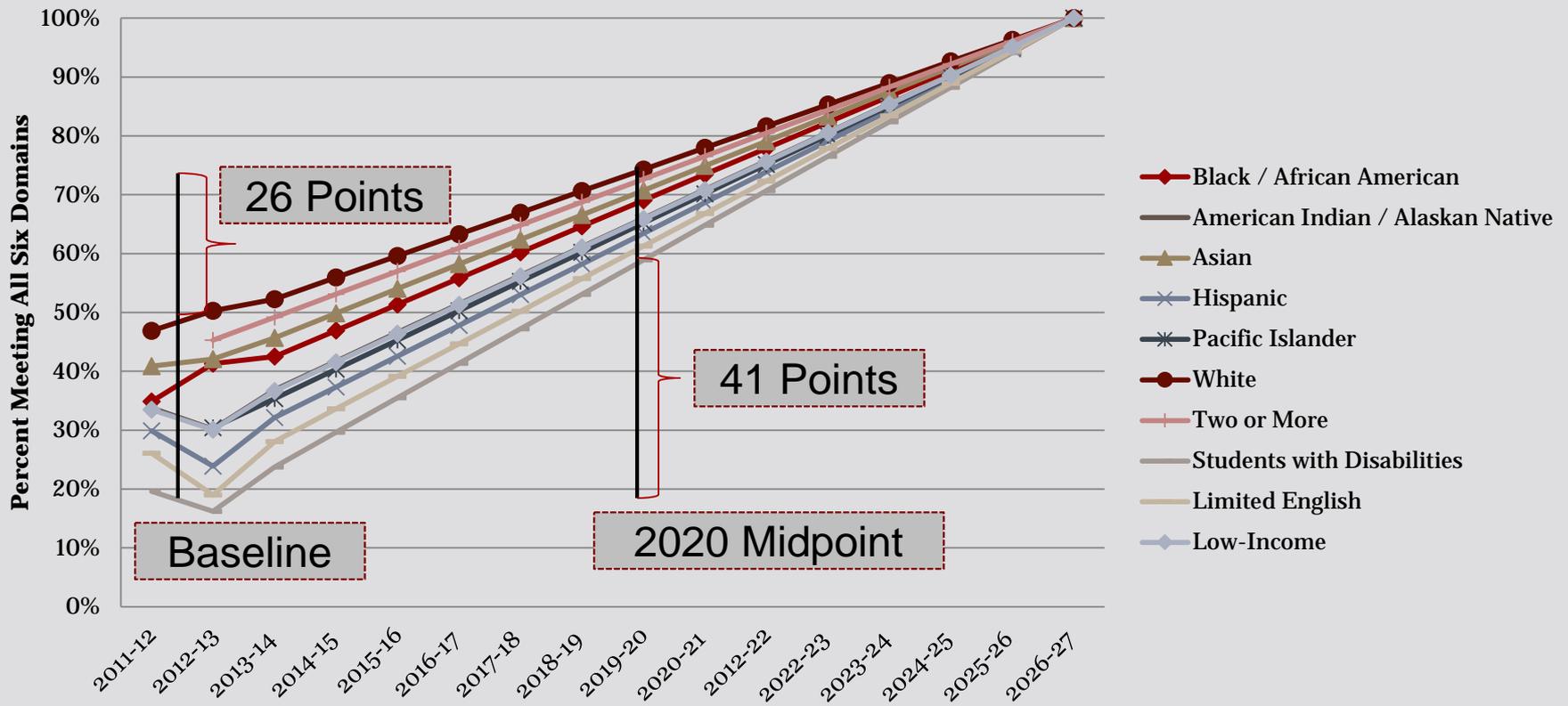
- Reduce gaps by one-half by 2020
- Eliminate all gaps by 2027
- Annual step increase is computed for each indicator
  - ✦ All Students group
  - ✦ All ESEA subgroups
  - ✦ Lower performing groups have more ground to make up, so annual steps are bigger (very similar to AMOs)



# Target Setting



## Kindergarten Readiness (WaKids) Indicator Goal Projection to 2027



# Kindergarten Readiness Goal Attainment



- All groups failed to meet the 2013-14 goals.

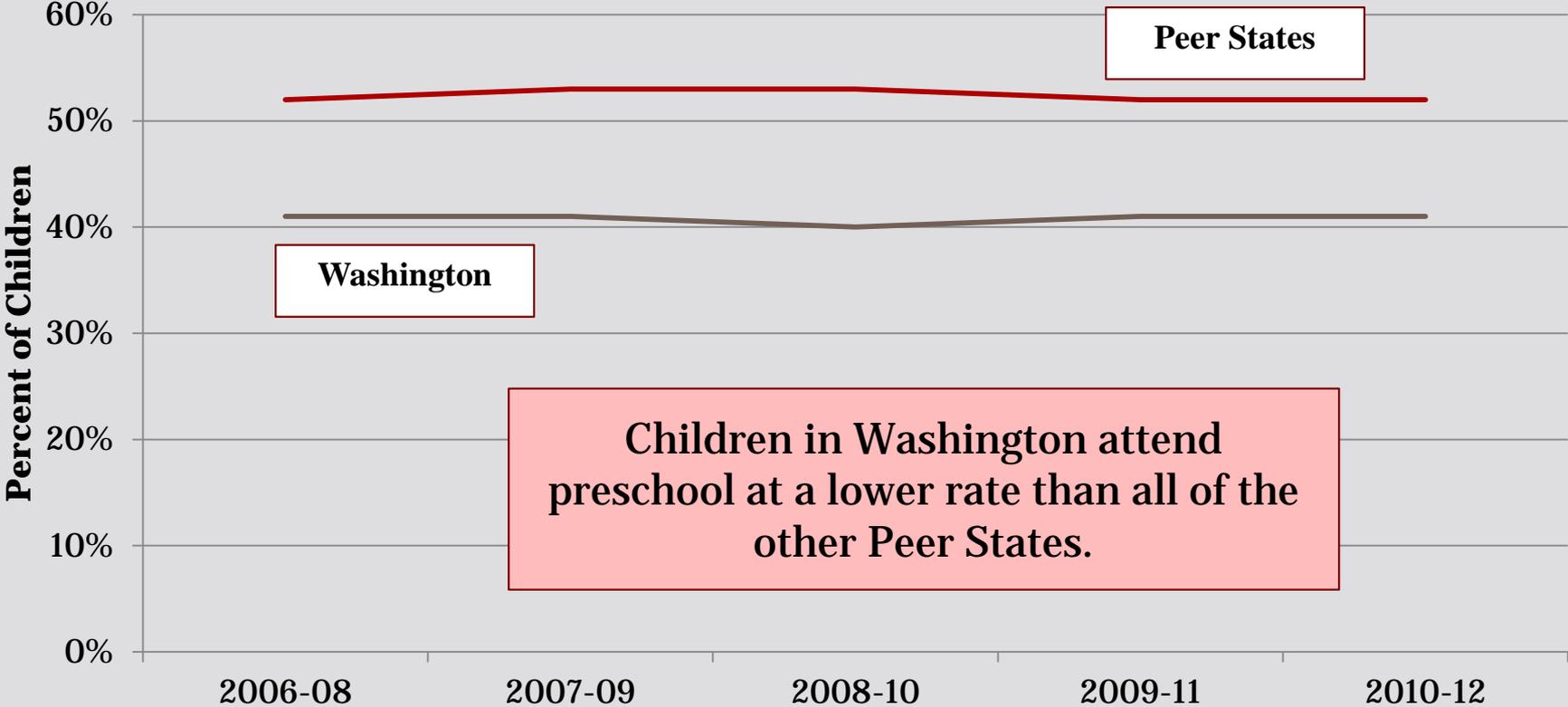
	2011-12	2012-13	2013-14	Goal 2013-14	Difference 2013-14
<b>All Students</b>	<b>40.2%</b>	<b>37.2%</b>	<b>40.8%</b>	<b>43.1%</b>	<b>-2.3%</b>
Black / African American	34.9%	41.3%	38.7%	42.5%	-3.8%
American Indian / Alaskan Native	33.8%	30.2%	36.0%	36.9%	-0.9%
Asian	40.9%	42.1%	45.0%	45.7%	-0.7%
Hispanic/Latino	29.9%	23.9%	25.4%	32.1%	-6.7%
Pacific Islander/Native Hawaiian		30.4%	30.4%	35.4%	-5.0%
White	46.9%	50.3%	51.7%	52.3%	-0.6%
Two or More		45.3%	47.6%	49.2%	-1.6%
Students with Disabilities	19.6%	16.2%	18.7%	23.8%	-5.1%
Limited English	26.1%	19.0%	20.3%	28.1%	-7.8%
Low-Income	33.5%	30.1%	32.3%	36.7%	-4.4%



# Early Childhood Education - Participation



## Children Attending Preschool All 3 & 4 Year-Olds



Children in Washington attend preschool at a lower rate than all of the other Peer States.



# Kindergarten Readiness Goals and Comparison



- No group met their WaKIDS gap reduction target for 2014, and
- In Washington children attend preschool at a lower rate than all the other Peer States and,

**The Kindergarten Readiness indicator is not on-track to meet System goals.**



# 3<sup>rd</sup> Grade Literacy – Goal Attainment



- For the most part, gap reduction goals were not met.

	2011-12	2012-13	2013-14	Goal 2013-14	Difference 2013-14
<b>All Students</b>	<b>68.8%</b>	<b>73.1%</b>	<b>72.0%</b>	<b>73.0%</b>	<b>-1.0%</b>
Black / African American	54.9%	59.1%	57.3%	60.1%	-2.8%
American Indian / Alaskan Native	52.1%	52.8%	49.7%	55.8%	-6.1%
Asian	78.9%	83.1%	84.6%	82.4%	2.2%
Hispanic/Latino	52.1%	57.2%	57.9%	57.9%	0.0%
Pacific Islander/Native Hawaiian	53.3%	62.9%	56.8%	61.1%	-4.3%
White	75.0%	79.4%	77.8%	78.8%	-1.0%
Two or More	71.7%	75.9%	73.7%	75.7%	-2.0%
Students with Disabilities	37.7%	37.4%	37.8%	42.0%	-4.2%
Limited English	28.7%	41.4%	44.6%	39.7%	4.9%
Low-Income	56.6%	61.4%	59.6%	61.9%	-2.3%



# 4<sup>th</sup> Grade Reading – Original Indicator



- Gap reduction goals were not met for 2013-14.

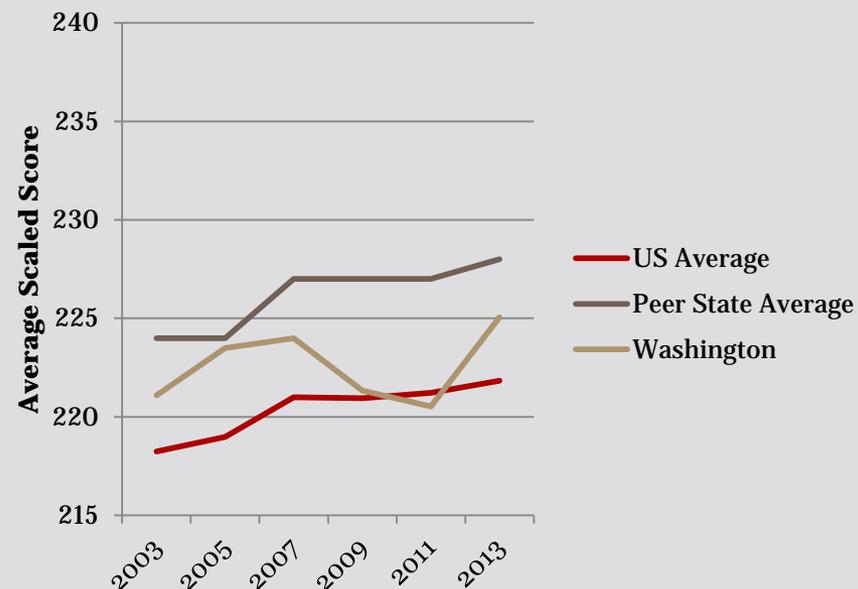
	2011-12	2012-13	2013-14	Goal 2013-14	Difference 2013-14
<b>All Students</b>	<b>71.5%</b>	<b>72.4%</b>	<b>69.9%</b>	<b>74.0%</b>	<b>-4.1%</b>
Black / African American	56.5%	59.9%	55.9%	61.2%	-5.3%
American Indian / Alaskan Native	52.3%	53.9%	46.5%	56.5%	-10.0%
Asian	81.0%	82.7%	81.2%	83.1%	-1.9%
Hispanic/Latino	56.3%	57.7%	54.7%	60.1%	-5.4%
Pacific Islander/Native Hawaiian	56.1%	55.5%	55.2%	59.0%	-3.8%
White	77.5%	78.1%	76.0%	79.4%	-3.4%
Two or More	73.4%	75.0%	72.6%	76.0%	-3.4%
Students with Disabilities	41.9%	42.1%	42.4%	46.1%	-3.7%
Limited English	31.4%	33.8%	35.7%	37.4%	-1.7%
Low-Income	59.7%	60.9%	57.3%	63.1%	-5.8%



# National and Peer State Comparison NAEP 4<sup>th</sup> Grade Reading

- 4<sup>th</sup> Grade Reading
  - ✦ Mean SS = 225
  - ✦ 15<sup>th</sup> highest in US
  - ✦ 2<sup>nd</sup> lowest of the Peer States
  
  - ✦ 10-Year gain = 4 points
  - ✦ Tied for 18<sup>th</sup> highest in US
- Performance is at the:
  - ✦ 70<sup>th</sup> percentile nationally
  - ✦ Not comparable to Peer States

## 4<sup>th</sup> Grade NAEP Reading



# 3<sup>rd</sup> Grade Literacy Goals and Comparison



- The All Students group did not meet their 2014 gap reduction target.
- Three of 11 subgroups met their gap reduction target for 2014.
- Using the 4<sup>th</sup> grade NAEP Reading as a comparison,
  - ✦ Washington students were not in the top ten percent nationally and
  - ✦ Washington results were not comparable to the Peer States.

**The 3<sup>rd</sup> Grade Literacy indicator is not on-track to meet System goals.**



# High School Readiness – Goal Attainment



- The increases by most groups were insufficient to meet the gap reduction targets.

	2011-12	2012-13	2013-14	Goal 2013-14	Difference 2013-14
<b>All Students</b>	<b>45.8%</b>	<b>43.8%</b>	<b>46.9%</b>	<b>48.7%</b>	<b>-1.8%</b>
Black / African American	23.5%	22.3%	22.7%	28.4%	-5.7%
American Indian / Alaskan Native	21.4%	20.7%	19.1%	26.7%	-7.6%
Asian	64.3%	63.4%	69.7%	66.4%	3.3%
Hispanic/Latino	27.1%	25.6%	28.7%	31.6%	-3.0%
Pacific Islander/Native Hawaiian	23.4%	23.0%	26.4%	28.7%	-2.3%
White	52.0%	50.1%	53.0%	54.5%	-1.5%
Two or More	47.5%	45.7%	48.8%	50.4%	-1.6%
Students with Disabilities	5.7%	5.2%	6.9%	12.2%	-5.3%
Limited English	4.4%	4.5%	5.9%	11.3%	-5.4%
Low-Income	29.6%	27.9%	30.1%	33.8%	-3.7%



# 8<sup>th</sup> Grade Math – Original Indicator



- The All Students group did not meet gap reduction targets but two subgroups met gap reduction targets.

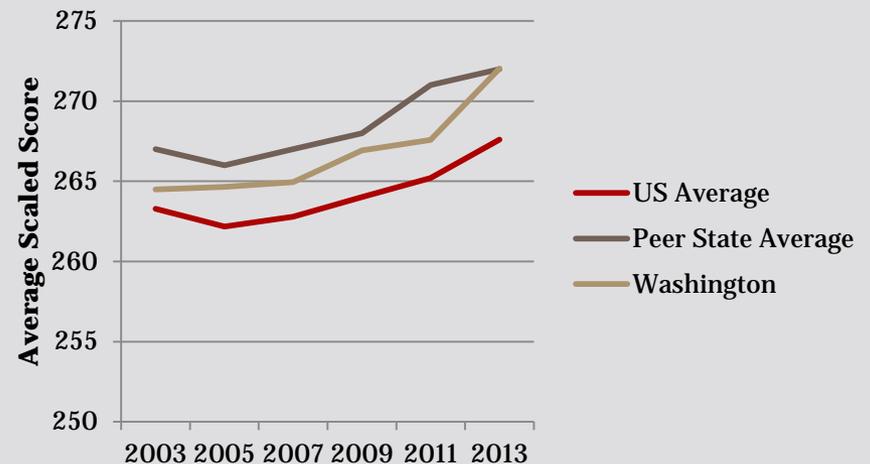
	2011-12	2012-13	2013-14	Goal 2013-14	Difference 2013-14
<b>All Students</b>	<b>55.5%</b>	<b>53.2%</b>	<b>55.8%</b>	<b>57.6%</b>	<b>-1.8%</b>
Black / African American	32.3%	32.1%	33.7%	37.0%	-3.3%
American Indian / Alaskan Native	30.3%	29.3%	26.4%	34.8%	-8.4%
Asian	75.0%	75.4%	78.6%	77.0%	1.6%
Hispanic/Latino	39.7%	37.2%	40.0%	42.8%	-2.8%
Pacific Islander/Native Hawaiian	36.8%	34.4%	41.3%	40.2%	1.1%
White	61.1%	58.5%	60.8%	62.7%	-1.9%
Two or More	56.8%	55.4%	58.0%	59.2%	-1.2%
Students with Disabilities	13.4%	12.4%	14.3%	19.1%	-4.8%
Limited English	16.6%	17.4%	18.0%	22.9%	-4.9%
Low-Income	40.9%	39.0%	40.9%	44.2%	-3.3%



# National and Peer State Comparison NAEP 8<sup>th</sup> Grade Reading

- 8<sup>th</sup> Grade Reading
  - ✦ Mean SS = 272
  - ✦ Tied for 7<sup>th</sup> highest in US
  - ✦ 10-Year gain = 8 points
  - ✦ Tied for 8<sup>th</sup> highest in US
- Performance is at the:
  - ✦ 86<sup>th</sup> percentile nationally
  - ✦ Comparable to Peer States

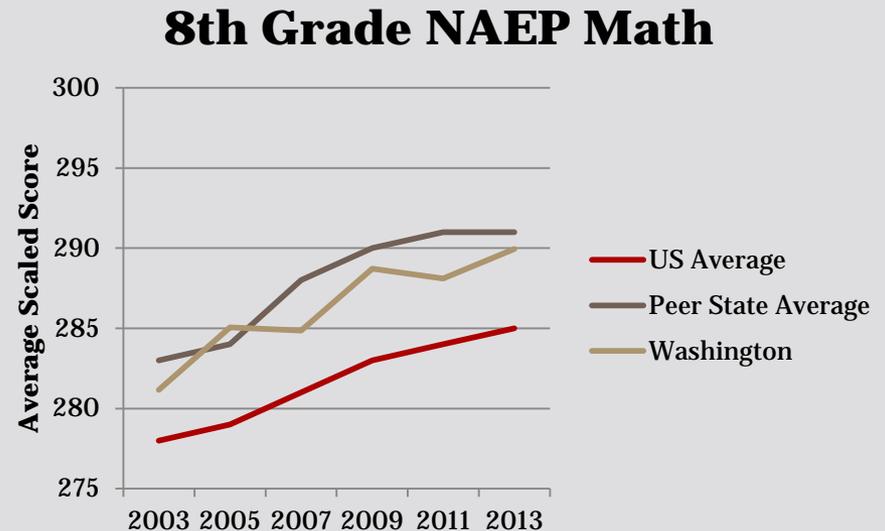
## 8<sup>th</sup> Grade NAEP Reading



# National and Peer State Comparison

## NAEP 8<sup>th</sup> Grade Math

- 8<sup>th</sup> Grade Math
  - ✦ Mean SS = 290
  - ✦ Tied for 7<sup>th</sup> highest in US
  - ✦ 10-Year gain = 9 points
  - ✦ Tied for 14<sup>th</sup> highest in US
- Performance is at the:
  - ✦ 86<sup>th</sup> percentile nationally
  - ✦ Comparable to Peer States



# 8<sup>th</sup> Grade High School Readiness Goals and Comparison



- The All Students group did not meet their 2014 gap reduction target.
- One of 11 subgroups met their gap reduction target for 2014.
- Using the 8<sup>th</sup> grade NAEP Reading and Math as comparisons, Washington students:
  - ✦ were not in the top ten percent nationally, but
  - ✦ Washington performance was comparable to Peer States.

**The 8<sup>th</sup> Grade High School Readiness indicator is not on-track to meet System goals.**



# 4-Year Graduation Goal Attainment



- Graduation rates declined for all groups in 2013 - no groups met gap reduction targets.

Graduating Class of

4-Yr Cohort Grad Rate	2010-11	2011-12	2012-13	Goal 2012-13	Difference 2012-13
<b>All Students</b>	<b>76.6%</b>	<b>77.2%</b>	<b>76.0%</b>	<b>78.6%</b>	<b>-2.6%</b>
Black / African American	68.9%	66.9%	65.4%	70.2%	-4.8%
American Indian / Alaskan Native	62.2%	56.4%	52.5%	62.2%	-9.7%
Asian	84.9%	84.4%	84.1%	85.7%	-1.6%
Hispanic/Latino	67.6%	66.5%	65.6%	69.4%	-3.8%
Pacific Islander/Native Hawaiian	66.9%	64.4%	62.3%	68.1%	-5.8%
White	81.9%	80.2%	79.4%	82.4%	-3.0%
Two or More	73.6%	78.1%	76.2%	77.6%	-1.4%
Students with Disabilities	59.6%	57.4%	54.4%	61.5%	-7.1%
Limited English	54.5%	53.8%	50.4%	57.4%	-7.0%
Low-Income	68.5%	66.0%	64.6%	69.6%	-5.0%



# National and Peer State Comparison 4-Year Graduation Rate

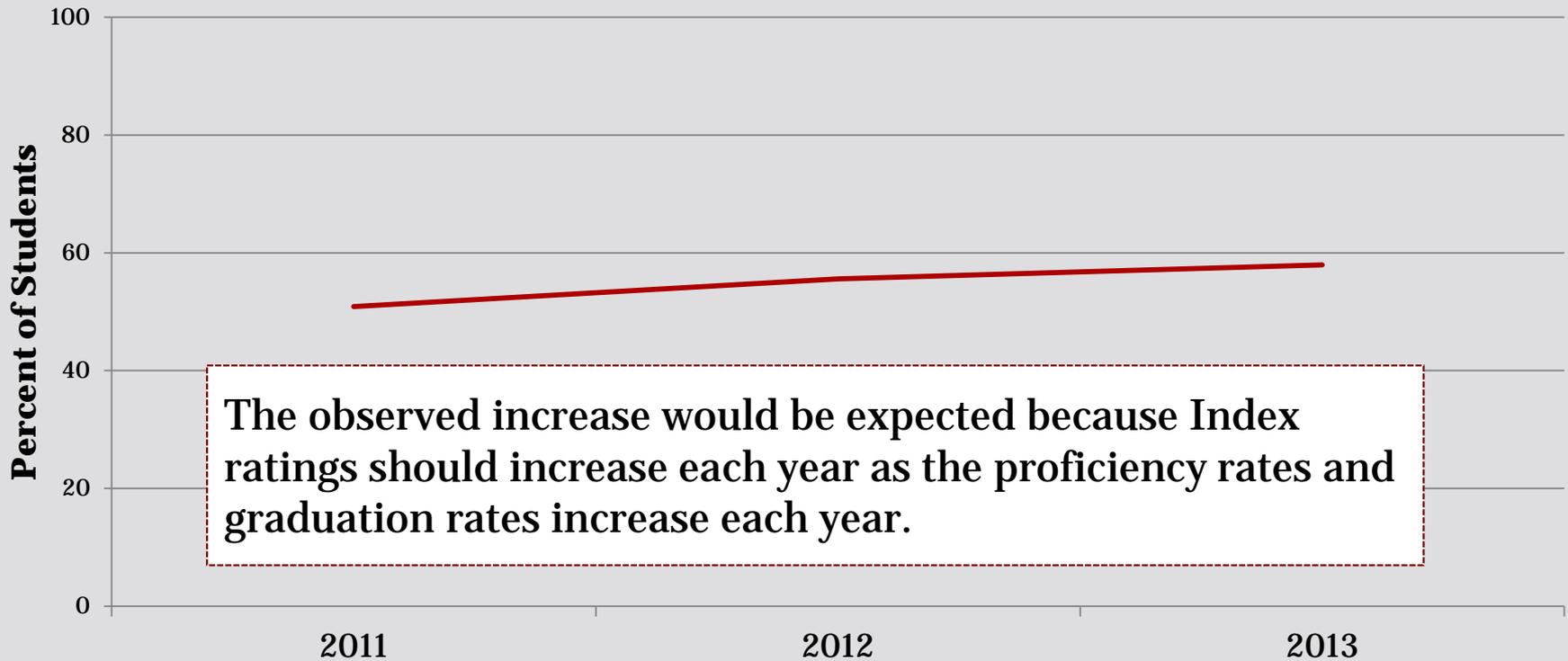
- 2011 ACGR = 76 percent
  - ✦ 12<sup>th</sup> lowest
  - ✦ 24<sup>th</sup> percentile
  - ✦ 2<sup>nd</sup> lowest of Peer States
- 2012 ACGR = 77 percent
  - ✦ Tied for 17<sup>th</sup> lowest
  - ✦ 34<sup>th</sup> percentile
  - ✦ 2<sup>nd</sup> lowest of Peer States
- 2013 ACGR = 76 percent
  - ✦ Lowest of the Peer States
- Did not meet gap reduction goals
- Not in the top 10 percent nationally
- Not comparable to Peer State performance



# Access to Quality Schools



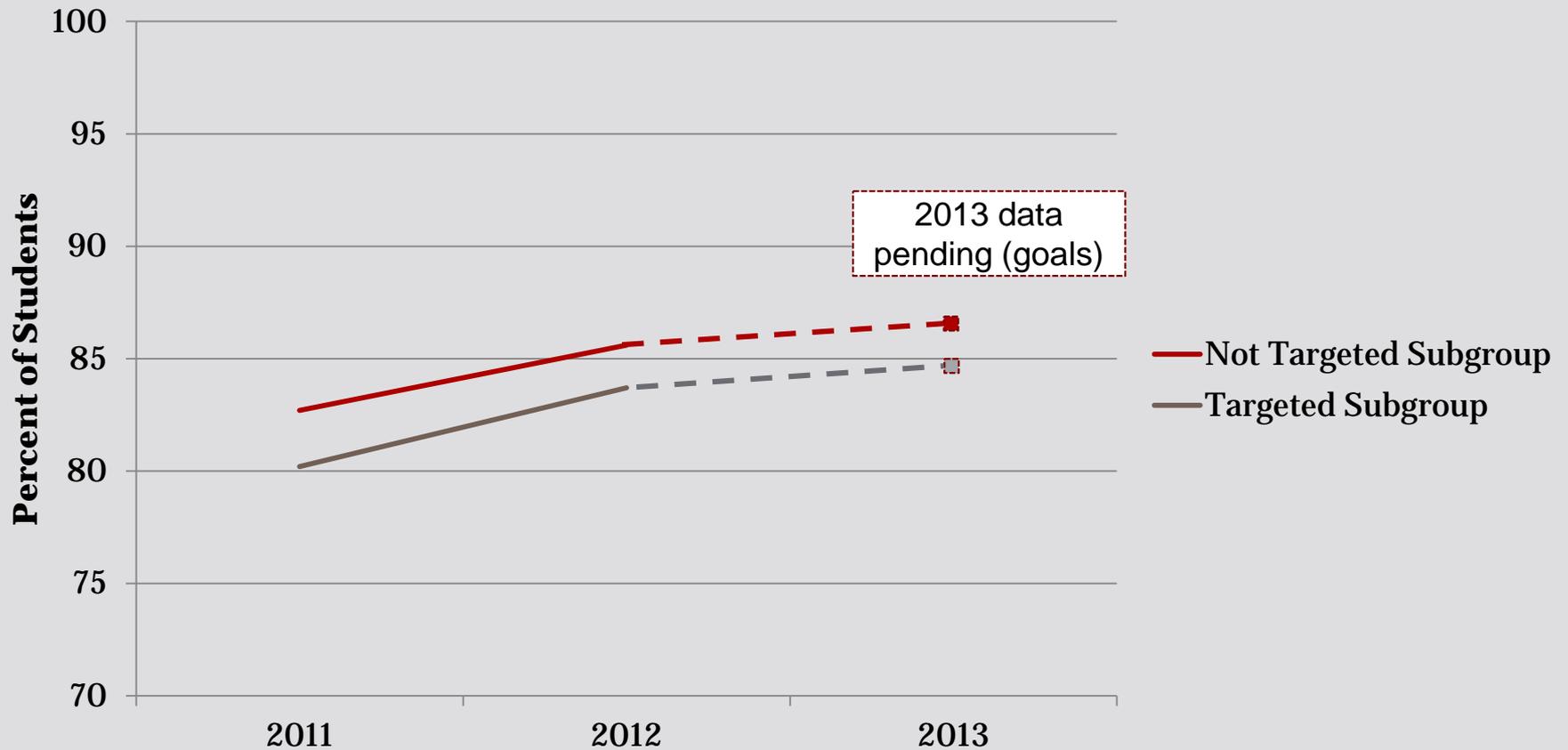
## Percent of Students At Good or Better Schools - Achievement Index



# Quality of High School Diploma



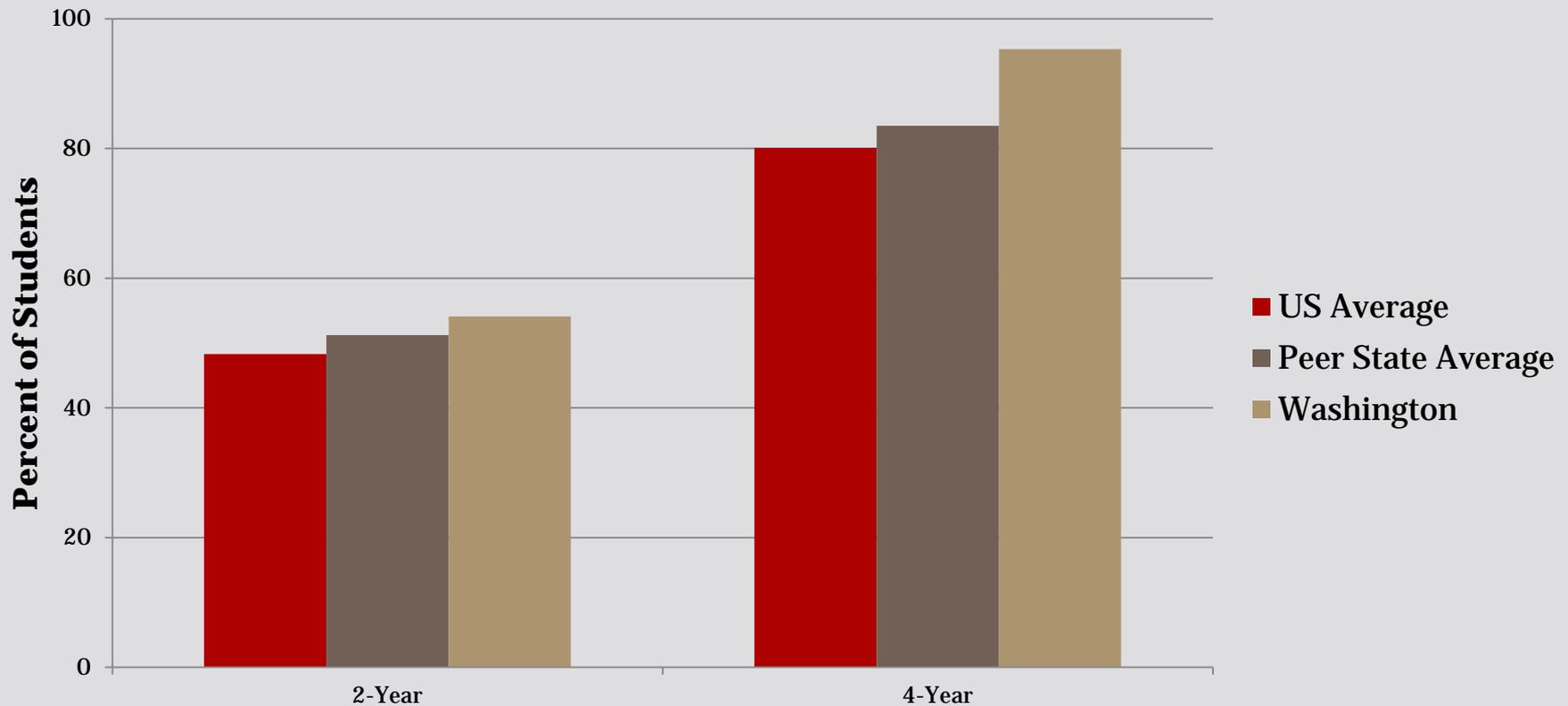
## Bypassing Remedial Courses



# HS Diploma Quality - Comparison



## Students Bypassing Remedial College Coursework



# Quality of High School Diploma



- The required 2014 data is not available, so target attainment cannot be ascertained.
- Using *Remediation: Higher Education's Bridge to Nowhere* published in 2012 as a comparison, Washington students,
  - ✦ Rank among the highest nationally on bypassing remediation
  - ✦ Are higher than the Peer State average on bypassing remediation.

Cannot determine whether the Quality of High School Diploma indicator is on-track to meet System goals.



# Post Secondary Attainment



- Revised measure of the percentage of high school graduates attaining certificates, credentials, and completing apprenticeships prior to age 26.
- Data set requested from the ERDC – pending

Cannot determine whether the Post Secondary Attainment indicator is on-track to meet System goals.



# Status of Educational System Health Indicators



# Indicator Comparisons - Synopsis



- Kindergarten Readiness
  - ✦ WaKIDS – not meeting gap reduction targets
  - ✦ Participation in Early Childhood Ed. is not comparable to Peer States
- 3<sup>rd</sup> Grade Literacy
  - ✦ Not meeting gap reduction targets
  - ✦ 4<sup>th</sup> Grade NAEP Reading - Not in top 10 percent nationally and not comparable to Peer States
- High School Readiness
  - ✦ Not meeting gap reduction targets
  - ✦ 8<sup>th</sup> Grade NAEP Reading and Math - Close to 90<sup>th</sup> percentile nationally (86<sup>th</sup>) but comparable to Peer States
- HS Graduation
  - ✦ Not meeting gap reduction targets
  - ✦ 34<sup>th</sup> percentile nationally and not comparable to Peer States
- Quality of High School Diploma
  - ✦ Remediation data pending but high national rating and comparable to peers
- Post Secondary Attainment – Data Pending



# First Biennial Report – December 2014



- The State Board of Education is collaborating with other agencies to recommend reforms (interventions) to bring about increased student performance in four key performance indicators:
  - ✦ Kindergarten Readiness
  - ✦ 3<sup>rd</sup> Grade Literacy
  - ✦ 8<sup>th</sup> Grade High School Readiness
  - ✦ High School Graduation

