



- Action Required
- Information Only

## MEMORANDUM

TO: Greg Baker, Superintendent

FROM: Mike Copland, Deputy Superintendent  
Brian Rick, Director of Research and Assessment

DATE: May 26, 2016

RE: Additional data/analysis from Ends 2.1

As a part of our reporting on Ends 2.1 earlier this year there were three data sources that were not available to include at the time the reports were originally presented. We now have these data and below you will find a brief explanation and some analytic points to help interpret what these data reveal about Bellingham kids and achievement of Ends 2.1.

- **Post-Secondary Enrollment in Two-Year and Four-Year Institutions.**

As you might recall, Education Research and Data Center (ERDC) experienced a delay in their analysis this year. This analysis has now been released and on page 1 of the attached data set you will see post-secondary enrollment for Bellingham graduates in 2-year and 4-year institutions. We have included a table on the top of page 1 that includes Bellingham and comparison districts. In the middle table on page 1, we've included data for identified student group comparisons in Bellingham. At the bottom of that page we also included comparison bar graphs of Bellingham and the state by subgroup categories. Overall percentages of Bellingham students accessing two- or four-year institutions has remained relatively consistent over the past five years at about 71-72%, typically hovering about ten percentage points higher than the state average overall, and somewhat below our three high performing comparable districts. Our identified subgroups of students typically outperform the state average in enrollment, with the exception of graduates identified as receiving ELL program services.

- **Student Growth Percentile Trends on State Tests**

Second you may also remember that the Office of the Superintendent of Public Instruction (OSPI) had to do additional analysis before releasing student growth percentile data to adjust for 2014 (some districts did MSP, some did SBA field test) and 2015 (the transition to all on SBA and incomplete data from high school due to test refusals). These analyses have now been released and are intended to bridge the shift from MSP to SBA tests using cohorts of "academic peers" based on scale scores from the test in one year to the next. On page 2 of the attached data set you will see grade 4 through 8 student growth percentiles in English language arts (top graphic) and math (bottom graphic). Bellingham students typically performed above the median student growth percentile in both English and math, and in some grade levels

showed relatively substantial gains in the comparison between 2014 and 2015 scores. Grades 4, 5, 7 and 8 all showed larger increases in math between 2014 and 2015, as did grade 4 English language arts. Two grade levels, grades 5 and 8 English language arts, showed slight year-over-year drops between 2014 and 2015. On page 3 of the data set you will see the student growth percentiles by subgroups, comparing Bellingham students with those in the state overall. Hispanic and limited English populations of students showed higher growth than those populations on average statewide. In addition on the graph in the middle of page 3, you can see that Bellingham students who come from low income homes underperformed those from non-low income homes. However, both groups outperformed state averages in both English language arts and math. Similarly, students with an individualized education plan (IEP) underperformed those with no IEP, but outperformed the state averages in both English language arts and math.

- **High School Credits Earned in the Middle School**

Finally, you probably remember that due to a change in how we track our credit for proficiency test data in 2015, we were unable to validate the data on high school credits earned in the middle school for 2015 in time for the presentation of the original Ends 2.1 report. As the table below reveals, the number of students taking math in middle school for high school credit decreased in 2015 compared with prior years' data. This is undoubtedly due to the emphasis around realigning the progression of mathematics courses with the new standards, with more Algebra content now included in the regular grade 8 math course and fewer students taking a realigned (more challenging) high school Algebra course in middle school. The number of students receiving high school credit for world language also decreased in year-over-year comparisons between 2014 and 2015. We anticipate that with increased course opportunities for high school students with the advent of the 4X8 schedule, we may see fewer high school credits being earned in the middle school due to greater access to more courses as a regular part of students' high school experience.

*Middle School Students Taking High School Credits*

	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Mathematics	643	698	608	351
World Lang	162	199	204	165
Any Credits	659	749	638	376

## Post-secondary Enrollment in 2-Year and 4-Year Institutions

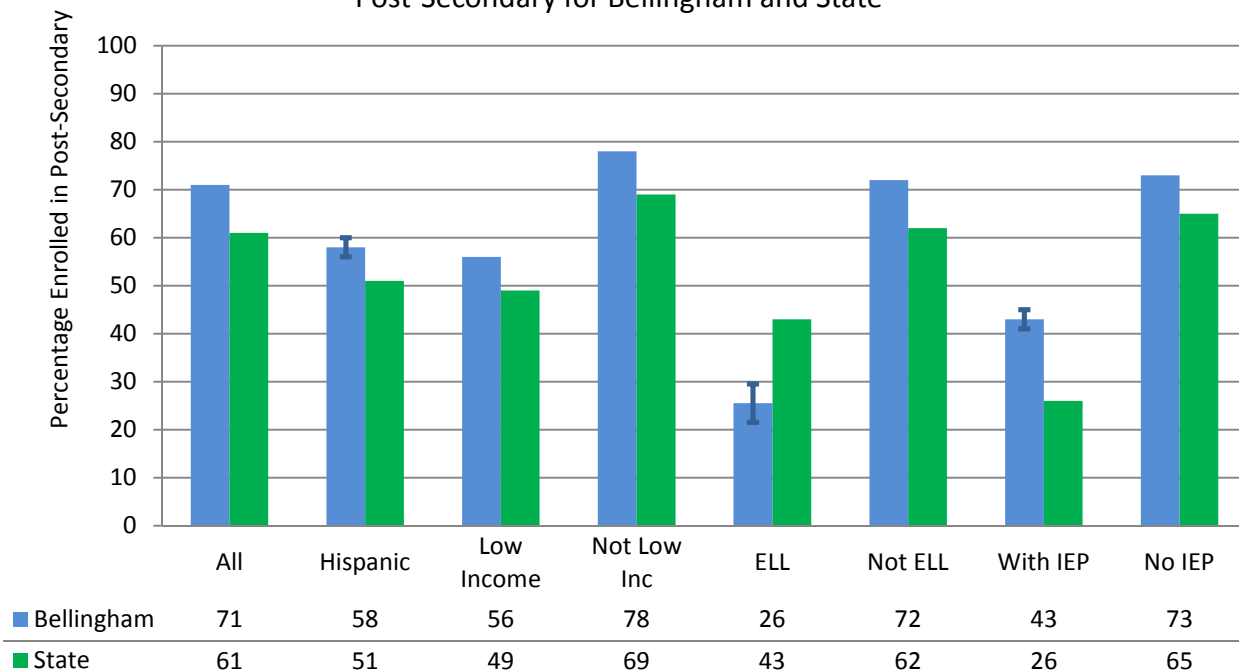
### Percentage of High School Graduates Enrolled in Post-secondary Education

	2009	2010	2011	2012	2013	2014
Bellingham	69%	71%	71%	72%	71%	71%
Bellevue	85%	85%	80%	83%	84%	83%
Olympia	75%	73%	77%	77%	75%	75%
Shoreline	81%	80%	77%	75%	82%	82%
State	63%	62%	60%	60%	62%	61%

### Percentage of Bellingham Schools Post-secondary Enrollment for Subgroups

	2009	2010	2011	2012	2013	2014
All	69%	71%	71%	72%	71%	71%
Hispanic	61-65%	56-60%	61-65%	56-60%	66-70%	56-60%
Low Income	51-55%	56-60%	60%	62%	59%	56%
Not Low Inc	73%	75%	75%	76%	77%	78%
ELL	N too small	N too small	N too small	N too small	N/A	21-30%
Not ELL	70%	70%	70%	72%	N/A	72%
With IEP	31-35%	41-50%	41-50%	46-50%	N/A	41-45%
No IEP	72%	72%	72%	74%	N/A	73%

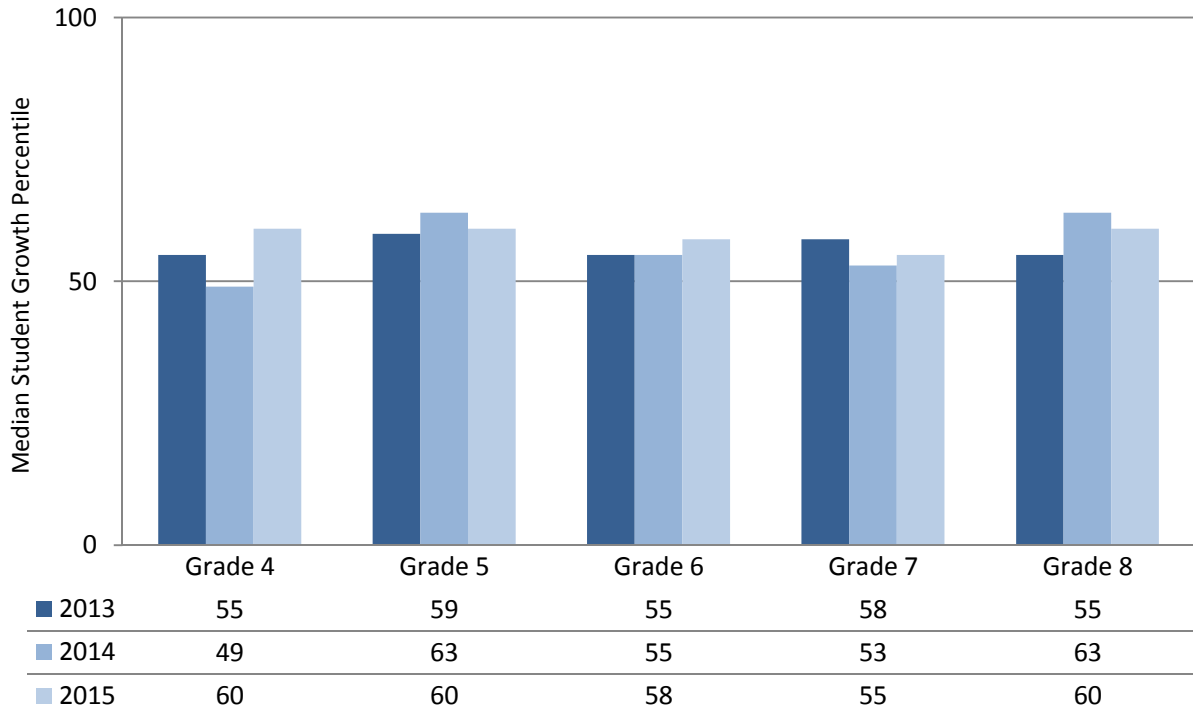
### Percentage of 2014 High School Graduates Enrolled in 2-Year and 4-Year Post-Secondary for Bellingham and State



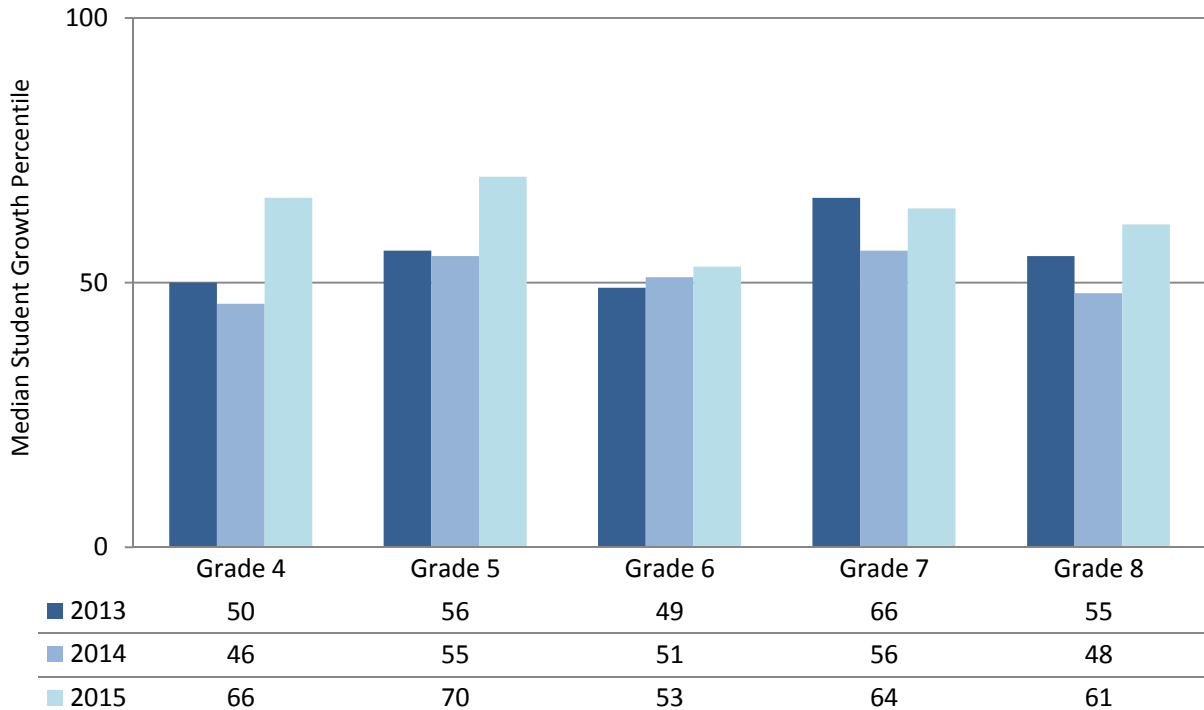
Source: Education Research and Data Center ([www.erdcddata.wa.gov](http://www.erdcddata.wa.gov))

## Student Growth Percentile Trends on State Tests

### Bellingham Public Schools English Language Arts Student Growth Percentiles

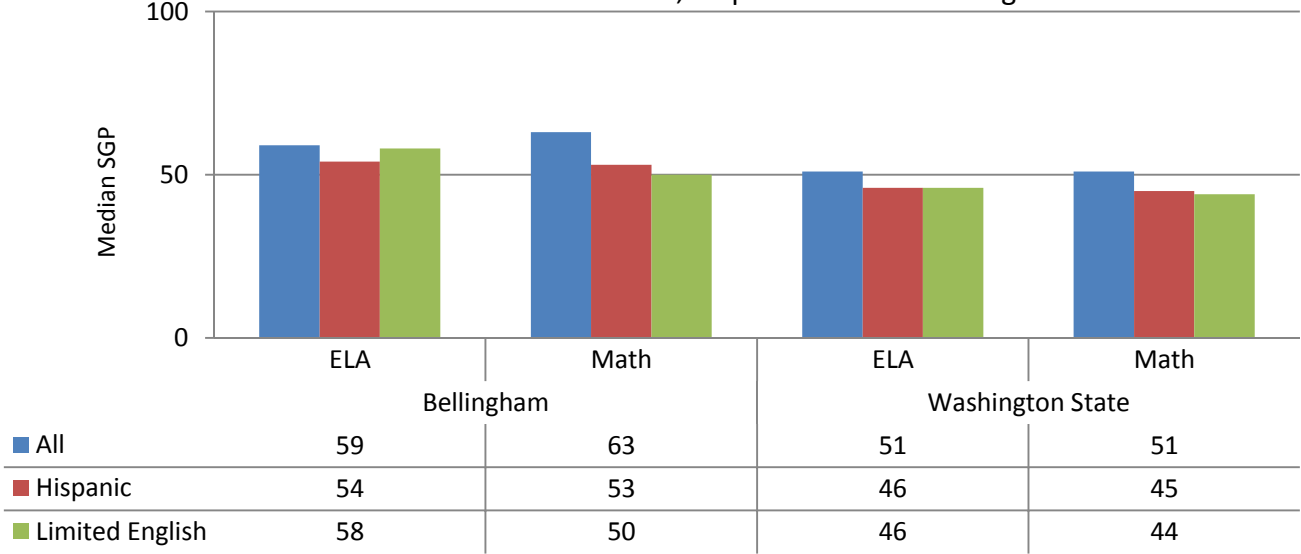


### Bellingham Public Schools Mathematics Student Growth Percentiles

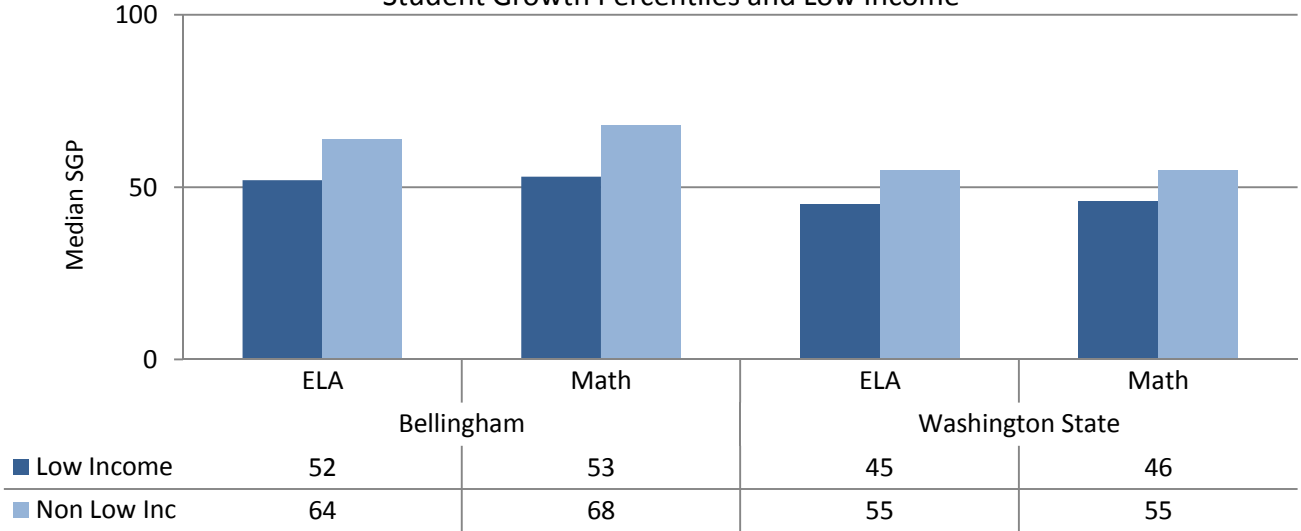


## 2015 Student Growth Percentiles by Subgroups

### Student Growth Percentiles for All, Hispanic and Limited English Students



### Student Growth Percentiles and Low Income



### Student Growth Percentiles and Special Education

