The Washington State Board of Education

An education system where students are engaged in personalized education pathways that prepare them for civic engagement, careers, postsecondary education, and lifelong learning.

2018-19 School Recognition

Overview, Business Rules, and Technical Documentation

April 22, 2020

If you have questions about the methodology, calculations, and school identifications, please contact Dr. Andrew J. Parr via email: andrew.parr@k12.wa.us.
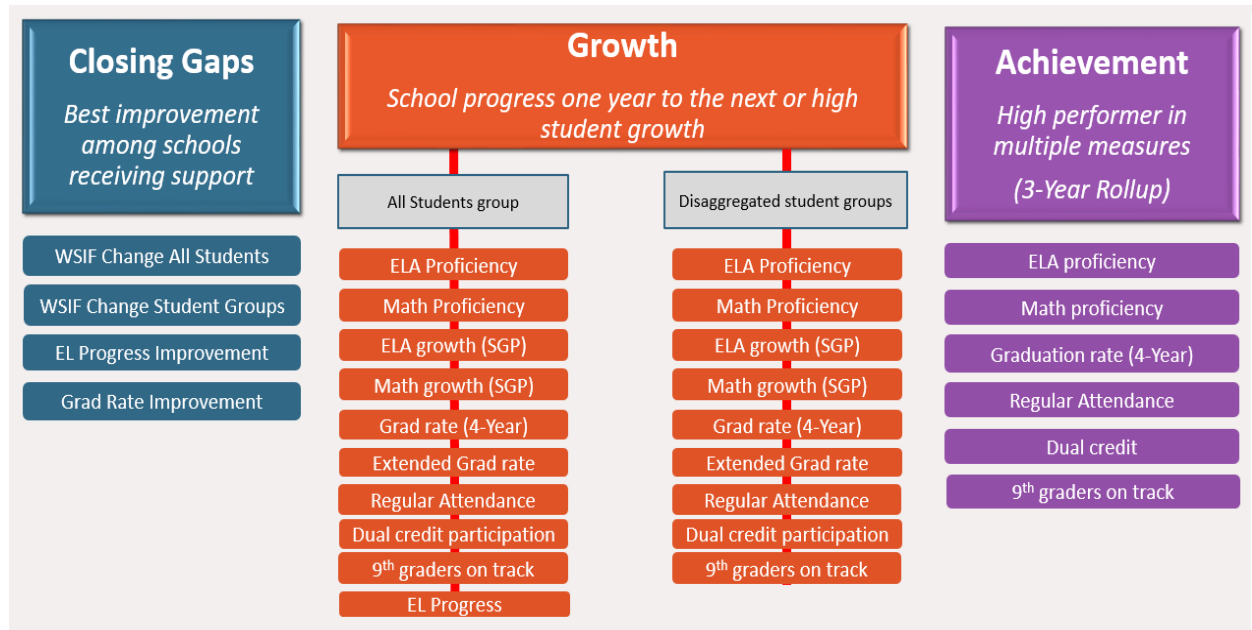
2018-19 School Recognition

Background on the New State School Recognition System

Since the spring 2018, the State Board of Education (SBE), Educational Opportunity Gap Accountability Oversight Committee (EOGOAC), and the Office of the Superintendent of Public Instruction (OSPI) have been collaborating on redesigning the Washington system of school recognition. Approximately one year ago, the SBE, EOGOAC, and OSPI publicly reported on the identification of 216 schools for recognition in the spring 2019 based on the metrics in the state accountability system as used in the Washington School Improvement Framework (WSIF). The Phase 1 methodology provided schools with the opportunity to achieve recognition status via one or more of three separate routes. Each of the routes relied on multiple measures, primarily based on the performance of the All Students group at schools.

Over the previous year and as planned, the SBE, EOGOAC, and OSPI met for a series of full day work sessions for the purpose of revising the Phase 1 recognition methodology. At the December 3 work session, the work group reached consensus on the Phase 2 school recognition methodology (Figure 1) that would provide schools with the added opportunity to be identified for recognition on the basis of a high performing student group. The Phase 2 methodology developed by the workgroup was adopted by the SBE at the January board meeting and presented to the Board and collaborating partner meetings in March.

Figure 1: shows the simplified school recognition methodology for the 2018-19 school year.

2018-19 State School Recognition System

Overview of the Recognition Routes

The Phase 2 school recognition methodology follows the overarching approach of identifying schools through any of three routes shown on Figure 1: Closing Gaps, Growth, and Achievement. Each of the routes relies on multiple measures.

> ➢ Closing Gaps: recognizes schools previously identified for ESSA Comprehensive or Targeted Supports demonstrating substantial improvements for the school or student groups.

> ➢ Growth: recognizes schools where the All Students group or other student groups are making the largest annual gains on the WSIF measures and meeting other eligibility requirements including the High/Low Gap measure for the All Students group.

> ➢ Achievement: recognizes the highest achieving schools on ELA and math proficiency, high school graduation rate, and the School Quality and Student Success (SQSS) measures, and meeting the 2019 WSIF performance requirement – all student groups must be performing at 6.0 or higher on the 2019 WISF, well above the state average.

Closing Gaps Route

Schools identified for Targeted (Tiers 1 and 2) or Comprehensive (Tier 3) support in the 2017 WSIF version are preliminarily identified for recognition when any of the following criteria are met. Also, a school must meet the assessment participation requirements in ELA and math for the spring 2019 statewide assessments.

a. For Comprehensive supports schools, the All Students group must post a gain of at least 0.35 decile points (top 20 percent threshold cut) from the 2018 WSIF to the 2019 WSIF.
b. For Targeted support schools, all of the school's student groups with a 2017 WSIF less than or equal to 2.30 must not decline on the 2019 WSIF from the 2018 WSIF and at least two-thirds of those student groups must post an increase of at least 0.35 decile points from the 2018 WSIF version to the 2019 WSIF version. Also, no new student groups may fall below the 2.30 threshold cut and at least one student group previously identified for Targeted Support must move above the 2.30 threshold cut.
c. Schools identified in the 2017 WSIF version for Tier 2: Targeted-Low EL Progress supports must post an EL progress rate higher than the 2017 WSIF threshold cut for EL Progress identification.
d. Schools identified in the 2017 WSIF version for Tier 3: Comprehensive Low Grad Rate must post a four-year graduation rate of at least 66.7 percent for the class of 2019.

Growth Route

All Students Group

The Phase 2 methodology for the Growth route for the All Students group is unchanged from the Phase 1 recognition methodology, except that the identification threshold is higher. All schools are eligible to be identified on the basis of posting the largest gains in annual performance on any of a number of different measures, which include student growth percentiles (SGPs), proficiency rates, four-year graduation rate, extended graduation rate, EL progress, and SQSS measures. The measures are generally defined (Table A1) as follows:

   a. The one-year 2019 school median SGP for ELA and math (separately) is in the top 10 percent of schools.
   b. The change in the ELA and math proficiency rates is sufficiently large to place the school in the top 10 percent of schools, and additional participation requirements are met.
   c. The change in the four-year graduation rates is sufficiently large to place the school in the top 10 percent of schools.
   d. The extended graduation rate measure from the 2019 WSIF is amongst the top 10 percent of schools.
   e. The annual change in the percentage of English learner students making progress is among the top 10 percent of schools.
   f. The annual changes in the school performance on the regular attendance, 9th grade on-track, and dual credit completion measures (separately) are sufficiently large to place the school in the top 10 percent of schools.

For a school to be identified under the Growth route for the All Students group, the school must have posted outcomes in the top 10 percent of schools on at least 60 percent of the reportable measures for which the school was eligible. The school must also meet the assessment participation requirements in ELA and math for the spring 2019 statewide assessments and the school must have been open for at least the two most recent years. Finally, the school must have met the requirement of reducing the WSIF High/Low Gap from the 2018 WSIF to the 2019 WSIF.

Student Groups

For a school to be identified under the Growth route for a student group, at least one student group at the school must have posted outcomes in the top 10 percent of schools on at least 60 percent of the measures for which the school was eligible. A student group at a school will not be recognized if the only top performing measure was the regular attendance metric. The school must also meet the assessment participation requirement in ELA and math for the spring 2019 statewide assessments.

Achievement Route

The Phase 2 methodology for the Achievement route is unchanged from the Phase 1 recognition methodology. All schools are eligible to be identified through the achievement route on the basis of placing among the highest performers on ELA and math proficiency, four-year high school graduation rate, and SQSS measures. A school qualifies for recognition under the Achievement route if at least two of the following criteria are met.

---

a. The All Students group at the school performed in the top 20 percent of schools on the three-year proficiency rates for the ELA and math assessments (separately).
b. The All Students group at the school performed in the top 20 percent of schools on the four-year high school graduation rate aggregated over three years.
c. The All Students group at the school performed in the top 20 percent of schools on the separate SQSS measures aggregated over three years.

In order to be identified for recognition under the achievement route, the All Students group and all other reportable student groups must have posted a 2019 WSIF rating of 6.00 or higher. The school is also required to meet the assessment participation requirements in ELA and math for the spring 2019 statewide assessments and the school must have been open for at least the two most recent years.

Business Rules and Other Details

High/Low Gap Eligibility and Calculations

Data Source: 2018 WSIF and the 2019 WSIF, final school (decile) scores or ratings for race/ethnicity student groups and the program-based student groups. The final school (decile) score for a group requires a minimum of 20 student records (aggregated over three years) and the reporting of a minimum number of measures or indicators depending on school level

Overarching Idea: to determine whether or not the gap between the highest and lowest performing groups on the WSIF at a school is being lowered from one year to the next.

Eligibility Requirements: applied to the Growth route for the All Students group. The gap between the highest and lowest groups on the WSIF must be declining and neither the highest nor the lowest group may post a decline on the WSIF from one year to the next

Calculations:

- Compute 2018 Hi/Low Gap: Identify the highest and lowest performing groups on the 2018 WSIF and compute the WSIF gap as 2018 highest WSIF score minus the 2018 lowest WSIF score.
- Compute 2019 Hi/Low Gap: Identify the highest and lowest performing groups on the 2019 WSIF and compute the WSIF gap as 2019 highest WSIF score minus the 2019 lowest WSIF score.
- Compute the change in the Hi/Low Gap as the 2019 Hi/Low Gap minus the 2018 Hi/Low Gap. Three outcomes are possible:
  - A positive value means the 2019 Hi/Low Gap increased from the 2018 Hi/Low Gap, so the All Students group for the school would not qualify for recognition via the Growth route.
  - A value of zero means the 2019 Hi/Low Gap was unchanged from the 2018 Hi/Low Gap, so the All Students group for the school would not qualify for recognition via the Growth route because the gap was not reduced.

- o A negative value means the 2019 Hi/Low Gap decreased from the 2018 Hi/Low Gap, so the All Students group for the school could qualify for recognition via the Growth route provided other criteria are met.
- Compute the change in the minimum (MIN or lowest) from the 2018 WSIF to the 2019 WSIF as the 2019 MIN minus the 2018 MIN. If the computed value is positive or zero, the MIN value increased or was unchanged, so the school could be recognized if other criteria are met.
- Compute the change in the maximum (MAX or highest) from the 2018 WSIF to the 2019 WSIF as the 2019 MAX minus the 2018 MAX. If the computed value is positive or zero, the MAX value increased or was unchanged, so the school could be recognized if other criteria are met.

Participation Rate Eligibility and Calculations

Data Sources: 2019 WSIF (3-year rollup) and the 2018 and 2019 annual unsuppressed WSIF files from SBE/OSPI data sharing agreement.

Overarching Idea: to determine whether or not schools and student groups met the participation requirements on the statewide assessments.

Eligibility Requirements: the All Students group must meet ESSA assessment participation requirements for both the ELA and math as reported in the 3-year WSIF. A separate participation calculation is derived separately for ELA and math from the unsuppressed annual files for use in the Growth proficiency rate change calculations. Each is described below, separately.

Calculations:

3-year WSIF

- If the ELA MetESSA Participation and Math MetESSA Participation variables equal "Yes", create the Met ESSA Participation variable and recode as "1" to signify that school meets the participation eligibility requirement. Other values are coded as "0", for did not meet the participation requirements.

Growth - Participation Rates for Proficiency Rate Change Calculations

- Compute 2018 ELA participation rate: if the 2018 ELA Proficiency Denominator ≥10, ELA_PART_PCNT_18_ALL = ELA_Part_Num/ELA_Prof_Den*100.
- Compute 2019 ELA participation rate: if the 2019 ELA Proficiency Denominator ≥10, ELA_PART_PCNT_19_ALL = ELA_Part_Num/ELA_Prof_Den*100
- Compute MET_ELA_PART_1819 and recode="1" if ELA_PART_PCNT_18_ALL ≥95 and ELA_PART_PCNT_19_ALL ≥95. Other values recode as "0".
- Compute 2018 Math participation rate: if the 2018 Math Proficiency Denominator ≥10, MATH_PART_PCNT_18_ALL = Math_Part_Num/Math_Prof_Den*100.
- Compute 2019 Math participation rate: if the 2019 Math Proficiency Denominator ≥10, MATH_PART_PCNT_19_ALL = Math_Part_Num/Math_Prof_Den*100
- Compute MET_MATH_PART_1819 and recode="1" if MATH_PART_PCNT_18_ALL ≥95 and MATH_PART_PCNT_19_ALL ≥95. Other values recode as "0".

Change in WSIF Scores for Closing Gap Calculations

Data Source: 2018 WSIF and the 2019 WSIF, final decile scores or ratings for race/ethnicity student groups and the program-based student groups. The final decile score for a group requires a minimum of 20 student records (aggregated over three years) and the reporting of a minimum number of measures or indicators depending on school level

Overarching Idea: to determine whether or not a student group met the minimum improvement in WSIF decile points for possible recognition.

Eligibility Requirements: applied to the Closing Gaps route for the Comprehensive and Targeted Support schools. The change in the WSIF score from the 2018 WSIF to the 2019 WSIF for a Targeted student group must be in the top 20 percent of schools.

Prerequisite Knowledge: to make the recognition identification, the support tier must be known and the student groups leading to Targeted Support identification must be known.

Calculations:

- Compute WSIF_CHANGE_1819_ALL=Final_School_Score_2019_ALL-Fina_School_Score_2018_ALL.
    - Repeat computation for all seven race/ethnicity student groups
    - Repeat computation for all three program (EL, FRL, SWD) student groups
- Determine whether or not the WSIF CHANGE for each group is reportable. If WSIF CHANGE_ALL is ≥ -10, recode REPT_WSIF_CHANGE_1819_ALL = "1", otherwise "0".
    - Repeat recode for all seven race/ethnicity student groups
    - Repeat recode for all three program (EL, FRL, SWD) student groups
    - Compute the total number of groups with a reportable change
- Determine whether or not each student group did not decline in WSIF CHANGE. If (REPT_WSIF_CHANGE_1819_** =1 AND WSIF_CHANGE_** ≥0) recode WSIF_NODECLINE_1819_** = "1", otherwise = "0".
    - Repeat recode for all seven race/ethnicity student groups
    - Repeat recode for all three program (EL, FRL, SWD) student groups
    - Compute the total number of groups with a reportable change that was not a decrease in WSIF score
- Compute the percentage of reportable groups that did not decrease in WSIF score as PCT_REPT_GPS_WSIF_CHANGE_NODECLINE.
- Compute top 20 percent (quintile) cut point for WSIF_CHANGE_1819_ALL = 0.350.

Determine whether or not a **Comprehensive Support** school made a sufficient gain and met other criteria to be preliminarily recognized for recognition.

- If (Final_School_Score_17_ALL<=2.30 AND Final_School_Score_2019_ALL>2.30 AND WSIF_CHANGE_ALL>=0.3500 and PCT_REPT_GPS_WSIF_CHANGE_NODECLINE=100), recode WSIF_COMP_SUFFIC_IMPROV_1819_ALL = "1", otherwise = "0".

Determine whether or not a **Targeted Support** school has groups which made a sufficient gain and met other criteria to be preliminarily recognized for recognition.

- Determine whether or not a student group at a school was a "Targeted Group" and did not post a decline in WSIF rating.
- If (Final_School_Score_17_**<=2.30 AND WSIF_NODECLINE_1819_**=1 AND TIER_18<=2), recode WSIF_TARG_NODECLINE_1819_** = "1", otherwise = "0".
    - Repeat recode for all seven race/ethnicity student groups
    - Repeat recode for all three program (EL, FRL, SWD) student groups
    - Compute the total number of "Targeted Groups" with a reportable change that was not a decrease in WSIF score
    - Compute the percentage of "Targeted Groups" at a school that did not post a decline in WSIF score as: PCT_TARG_GPS_WSIF_CHANGE_NODECLINE = SUM_OF_TARG_NODECLINE_GPS/LOW_PERF_GPS_2017*100.
- Preliminary identification of group making a sufficient gain in WSIF score: If (Final_School_Score_17_**<=2.30 AND WSIF_CHANGE_**>=0.3500 AND TIER_18<=2 AND PCT_TARG_GPS_WSIF_CHANGE_NODECLINE=100) recode WSIF_TARG_SUFFIC_IMPROV_1819_** = "1", otherwise = "0".
    - Repeat recode for all seven race/ethnicity student groups
    - Repeat recode for all three program (EL, FRL, SWD) student groups
    - Compute the total number of "Targeted Groups" with a reportable change that made sufficient increase in WSIF score for recognition
    - Compute the percentage of "Targeted Groups" at a school that made sufficient increase in WSIF for Targeted School recognition. PCNT_LOW_PERF_GPS_SUFFIC_IMPROV=TOTAL_WSIF_TARG_SUFFIC_IMPROV_GPS_1819/LOW_PERF_GPS_2017*100.
    - Flag schools with ≥67 percent of groups making a sufficient WSIF gain and meeting other requirement: SUFFIC_IMPROV_RECOG= "1", otherwise = "0".
    - Drop the flag if a new previously reported group falls below the 2.30 threshold cut: If (PCNT_LOW_PERF_GPS_SUFFIC_IMPROV>=67.0 AND Final_School_Score_17_**>2.30 AND Final_School_Score_W2019_**<=2.30), recode SUFFIC_IMPROV_RECOG (1=0).
    - Drop the flag if a previously unreported group falls below the 2.30 threshold cut: If (PCNT_LOW_PERF_GPS_SUFFIC_IMPROV>=67.0 AND REPT_WSIF_17_ALL=0 AND Final_School_Score_2019_ALL<=2.30), recode SUFFIC_IMPROV_RECOG (1=0).
    - Drop the flag if participation requirement not met. If (RECOG_PART_ELIGIBLE=0 AND SUFFIC_IMPROV_RECOG=1), recode SUFFIC_IMPROV_RECOG (1=0).

Improvement in Graduation Rate for Closing Gap Calculations

Identify whether or not a **Tier 3: Comprehensive Low** Grad School made an improvement in graduation rate that is now above the 67 percent threshold cut point.

- If (TIER_18>3.00 AND Grad_FourYear_Den_19_ALL>=10 AND GRAD_RATE_4YR_PCNT_19_ALL>66.66), recode GAP_CLOSING_GRAD_RECOG = "1", otherwise = "0".

- Remove flag is participation requirement not met. If (GAP_CLOSING_GRAD_RECOG=1 AND RECOG_PART_ELIGIBLE=0), recode GAP_CLOSING_GRAD_RECOG (1=0).

Improvement in EL Progress Rate for Closing Gap Calculations

Identify whether or not a **Tier 2: Targeted EL Progress** School made an improvement in the EL Progress rate that is now above the 49 percent threshold cut point.

- If (TIER_18=2.5 AND ELP_Den_19_ALL>=10 AND ELPROG_Raw_MetPCNT_19_ALL>48.8889), recode GAP_CLOSING_ELPROG_RECOG = "1", otherwise = "0".
- Remove flag is participation requirement not met. If (GAP_CLOSING_ELPROG_RECOG=1 AND RECOG_PART_ELIGIBLE=0), recode GAP_CLOSING_ELPROG_RECOG (1=0).

Change in Performance for the Growth Route

Data Sources: 2018 and 2019 annual unsuppressed WSIF files from SBE/OSPI data sharing agreement.

Overarching Idea: to determine whether or not the change in performance for the All Students group and student groups are in the top 10 percent of schools on reportable measures, provided participation requirements are met on certain measures.

Eligibility Requirements: at least 60 percent of the reportable measures for a student group at a school is in the top 10 percent of all schools for that group. Each is described below, separately.

Other Important Information: For the ELA and math proficiency rate changes, a participation rate of less than 95 percent in 2018 or 2019 will result in "no harm", as the record will be removed from the numerator and denominator calculations. A student group must have at least 10 valid records in both years to result in a reportable value. The top 10 percent threshold cut points for each measure are included in Tables 1 and 2. A school will be not be identified for recognition via the Growth route if the regular attendance measure is the only reportable measure. A school must have been open for the two most recent years as indicated by a regular attendance denominator of at least one student in each of the two most recent years.

Calculations:

Determine whether or not the student group **ELA and Math Proficiency rate changes** are in the top ten percent of schools

- Calculate ELA Proficiency Rate Changes if 2018 and 2019 participation rate met. If (ELA_Prof_Den_18_ALL >= 10 and ELA_Prof_Den_19_ALL >= 10 and MET_ELA_PART_1819=1), compute ELA_PRO_CHANGE_1819_ALL= (ELA_Raw_MetPCNT_19_ALL - ELA_Raw_MetPCNT_18_ALL).
  - Repeat recode for all seven race/ethnicity student groups
  - Repeat recode for all three program (EL, FRL, SWD) student groups
- Determine whether the ELA rate change is reportable. If (ELA_PRO_CHANGE_1819_ALL >= -100), recode REPT_ELA_PRO_CHANGE_1819_ALL="1", otherwise = "0".
  - Repeat recode for all seven race/ethnicity student groups

- o Repeat recode for all three program (EL, FRL, SWD) student groups
- Determine whether or not the ELA proficiency rate change for the group is in the top 10 percent (top decile) of schools. If (ELA_PRO_CHANGE_1819_ALL >= ****), recode TOP_D_ELA_PRO_CHANGE_1819_ALL = "1", otherwise = "0".
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups
- Calculate Math Proficiency Rate Changes if 2018 and 2019 participation rate met. Follow the three steps above for All Students and all student groups using math data.

Determine whether or not the student group median student growth percentiles are in the top 10 percent (top decile) of schools.

Calculations:

Determine whether or not the student group **ELA and Math SGPs** are in the top ten percent (top decile) of schools.

- Determine whether or not the 2019 All Students group ELA SGP is reportable. If (SGP_ELA_Median_19_ALL >= 1.00 and SGP_ELA_N_19_ALL>=10) recode REPT_ELA_SGP_19_ALL="1", otherwise ="0'.
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups
  - o Repeat recode for the All Students group and all students group in the same manner for the math SGPs.
- Determine whether or not the group performance on the ELA SGPs is in the top ten percent of schools. If (SGP_ELA_N_19_ALL>=10 and SGP_ELA_Median_19_ALL >= 62.0), recode TOP_Q_ELA_SGP_19_ALL="1", otherwise="0'.
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups
  - o Repeat recode for the All Students group and all students group in the same manner for the math SGPs.

Calculations:

Determine whether or not the student group **Four-Year Graduation Rate changes** are in the top ten percent (top decile) of schools.

- Calculate the change in the four-year graduation rate from the class of 2018 to the class of 2019 for the All Students group. If (Grad_FourYear_Den_18_ALL >= 10 and Grad_FourYear_Den_19_ALL >= 10), compute GRAD_CHANGE_1819_ALL = GRAD_RATE_4YR_PCNT_19_ALL - GRAD_RATE_4YR_PCNT_18_ALL.
  - o Repeat calculation for all seven race/ethnicity student groups
  - o Repeat calculation for all three program (EL, FRL, SWD) student groups
- Determine if the grad rate change is reportable. If (GRAD_CHANGE_1819_ALL>=-100), recode REPT_GRAD_CHANGE_1819_ALL="1", otherwise="0".
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups

- Determine of the graduation rate change is in the top ten percent (top decile) of schools. If (GRAD_CHANGE_1819_ALL >= 9.23014), recode INTO TOP_D_GRADch_ALL = "1", otherwise="0".
  - Repeat recode for all seven race/ethnicity student groups
  - Repeat recode for all three program (EL, FRL, SWD) student groups

Determine whether or not the student group **Extended Graduation Rate changes** are in the top ten percent (top decile) of schools.

- Determine whether or not the extended graduation rate change is reportable for the All Students group. If (Grad_FourYear_Decile_ALL>=1), recode REPT_EXTRA_CREDIT_IMPROV_19_ALL="1", otherwise = "0"
  - Repeat recode for all seven race/ethnicity student groups
  - Repeat recode for all three program (EL, FRL, SWD) student groups
- Determine whether or not the extended graduation rate change is in the top ten percent (top decile) of schools. If (Grad_FourYear_Decile_ALL >= 1 AND EXTGRAD_RATE_CHANGE_ALL>=27.24838), recode TOP_D_EXTGRAD_CHANGE_ALL ="1", otherwise="0"
  - Repeat recode for all seven race/ethnicity student groups
  - Repeat recode for all three program (EL, FRL, SWD) student groups

Determine whether or not the All Students group **EL Progress Rate change** is in the top ten percent (top decile) of schools.

- Calculate the change in the EL Progress rate. If (ELPROG_Raw_MetPCNT_19_ALL>=0 AND ELPROG_Raw_MetPCNT_18_ALL>=0). Compute ELPROG_CHANGE_1819_ALL= ELPROG_Raw_MetPCNT_19_ALL-ELPROG_Raw_MetPCNT_18_ALL.
- Determine whether or not the EL Progress rate change is reportable for the All Students group. If (ELPROG_CHANGE_1819_ALL>=-100), recode REPT_ELPROG_CHANGE_1819_ALL="1", otherwise = "0"
- Determine whether or not the EL Progress rate change is in the top ten percent of schools. If (ELPROG_CHANGE_1819_ALL>=11.21746), recode TOP_D_ELPROG_CHANGE_1819="1", otherwise="0".

Determine whether or not the All Students group **Regular Attendance Rate change** is in the top ten percent (top decile) of schools.

- Calculate the change in the regular attendance rate. If (RegularAttender_Den_19_ALL>= 10 AND RegularAttender_Den_18_ALL>=10), compute ATT_CHANGE_1819_ALL= ATT_Raw_PCNT_19_ALL-ATT_Raw_PCNT_18_ALL.
  - Repeat recode for all seven race/ethnicity student groups
  - Repeat recode for all three program (EL, FRL, SWD) student groups
- Determine whether or not the regular attendance rate change is reportable. If (ATT_CHANGE_1819_ALL>=-100), recode REPT_ATT_CHANGE_1819_ALL="1", otherwise="0".

- o Repeat recode for all seven race/ethnicity student groups
- o Repeat recode for all three program (EL, FRL, SWD) student groups
- Determine whether or not the change is the regular attendance rate is in the top 10 percent of schools. If (ATT_CHANGE_1819_ALL >= 5.45053), recode TOP_D_ATT_CHANGE_1819_ALL="1", otherwise = "0".
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups

Determine whether or not the All Students group **Dual Credit Rate change** is in the top ten percent (top decile) of schools.

- Calculate the change in the dual credit completion rate. If (DualCredit_Den_19_ALL>=10 AND DualCredit_Den_18_ALL>=10), compute DC_CHANGE_1819_ALL= DC_Raw_PCNT_19_ALL-DC_Raw_PCNT_18_ALL.
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups
- Determine whether or not the dual credit completion rate change is reportable. If (DC_CHANGE_1819_ALL>=-100), recode REPT_DC_CHANGE_1819_ALL="1", otherwise="0".
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups
- Determine whether or not the change is the dual credit completion rate is in the top 10 percent of schools. If (DC_CHANGE_1819_ALL >= 5.45053), recode TOP_D_DC_CHANGE_1819_ALL="1", otherwise = "0".
  - o Repeat recode for all seven race/ethnicity student groups
  - o Repeat recode for all three program (EL, FRL, SWD) student groups

Determine whether or not the All Students group **9th Grade On-Track change** is in the top ten percent of schools.

- Calculate the change in the 9th Grade On-Track rate. If (NinthGradeOnTrack_Den_19_ALL>=10 AND NinthGradeOnTrack_Den_18_ALL>=10), compute OT_CHANGE_1819_ALL=OT_Raw_PCNT_19_ALL-OT_Raw_PCNT_18_ALL.
  - o Repeat calculation for all seven race/ethnicity student groups
  - o Repeat calculation for all three program (EL, FRL, SWD) student groups
- Determine whether or not the 9th Grade On-Track change is reportable. If (OT_CHANGE_1819_ALL>=-100), recode REPT_OT_CHANGE_1819_ALL="1", otherwise="0".
  - o Repeat calculation for all seven race/ethnicity student groups
  - o Repeat calculation for all three program (EL, FRL, SWD) student groups
- Determine whether or not the 9th Grade On-Track change is in the top ten percent of schools. If (OT_CHANGE_1819_ALL >= 10.75321), recode TOP_Q_OT_CHANGE_1819_ALL ="1", otherwise="0".
  - o Repeat calculation for all seven race/ethnicity student groups

o   Repeat calculation for all three program (EL, FRL, SWD) student groups

Determine the **number and percentage** of measures in the top ten percent of schools for the All Students group.

- Compute the total number of measures reportable (TOTAL_GPS_REPT_ALL)
- Compute the total number of measures in the top 10 percent of schools for the All Students group (TOTAL_GPS_TOP_D_ALL)
- Calculate the percent of reportable measures in the top 10 percent for the All Studnets group as PCNT_GPS_TOP_Q_ALL=TOTAL_GPS_TOP_Q_ALL/TOTAL_GPS_REPT_ALL*100.
  - o   Repeat calculations for all seven race/ethnicity student groups
  - o   Repeat calculations for all three program (EL, FRL, SWD) student groups

Achievement Route

Data Sources: 2019 Washington School Improvement Framework (2019 WSIF) suppressed public file with data aggregated over three years.

Overarching Idea: to determine whether or not the performance for the All Students group is in the top 20 percent of schools on the reportable measures.

Eligibility Requirements: at least two of the six possible measures for the All Students group at a school are in the top 20 percent of all schools. Each is described below, separately.

Other Important Information: The All students group must have at least 20 valid records to result in a reportable value. The top 20 percent threshold cut points for each measure are included in the business rules below. In addition to meeting the participation requirements, all reportable student groups at the school must school must have achieved a WSIF rating of at least 6.00 on the win2019 WSIF. A school must have been open for the two most recent years as indicated by a regular attendance denominator of at least one student in each of the two most recent years.

Calculations:

Determine whether or not the All Students group **ELA and math proficiency rates** are in the top 20 percent of schools

- Determine whether or not the All Students' ELA proficiency rate is reportable. If (ELA_Raw_MetPCNT_ALL >= 0 AND ELA_Prof_Den_ALL>=20), recode REPT_ELA_PRO_3YR_ALL = "1", otherwise = "0".
- Determine whether or not the All Students' ELA proficiency rate is in the top 20 percent. If ELA_Raw_MetPCNT_ALL>= 75.11361, recode TOP_Q_ELA_PRO_3YR_ALL = "1", otherwise = "0".
- Repeat the two step process for the All Students math proficiency rate.

Determine whether or not the All Students group **four-year graduation rate** is in the top 20 percent of schools

- Determine whether or not the All Students' four-year graduation rate is reportable. If (GRAD_4YR_RATE_ALL >= 0 AND Grad_FourYear_Den_ALL>=20) recode REPT_GRAD_3YR_ALL = "1", otherwise = "0".
- Determine whether or not the All Students' four-year graduation rate is in the top 20 percent. If (Grad_FourYear_Den_ALL>=20 and GRAD_4YR_RATE_ALL>= 92.000), recode TOP_Q_GRAD_3YR_ALL = "1", otherwise = "0".

Determine whether or not the All Students group **Regular Attendance rate** is in the top 20 percent of schools

- Determine whether or not the All Students' regular attendance rate is reportable. If (RegularAttendance_Den_ALL>=20 AND ATT_Raw_PCNT_ALL>=0) recode REPT_ATT_ALL = "1", otherwise = "0".
- Determine whether or not the All Students' regular attendance rate is in the top 20 percent. If (ATT_Raw_PCNT_ALL>=92.18364), recode TOP_Q_ATT_ALL ="1", otherwise="0".

Determine whether or not the All Students group **9th Grade On-Track rate** is in the top 20 percent of schools

- Determine whether or not the All Students' 9th Grade On-Track rate is reportable. If (NinthGradeOnTrack_Den_ALL>=20 AND OT_Raw_PCNT_ALL>=0) recode REPT_OT_ALL = "1", otherwise = "0".
- Determine whether or not the All Students' 9th Grade On-Track rate is in the top 20 percent. If (OT_Raw_PCNT_ALL>=88.01127), recode TOP_Q_OT_ALL ="1", otherwise="0".

Determine whether or not the All Students group **Dual Credit Completion rate** is in the top 20 percent of schools

- Determine whether or not the All Students' 9th Grade On-Track rate is reportable. If (DualCredit_Den_ALL>=20 AND DC_Raw_PCNT_ALL>=0) recode REPT_DC_ALL = "1", otherwise = "0".
- Determine whether or not the All Students' 9th Grade On-Track rate is in the top 20 percent. If (DC_Raw_PCNT_ALL>=66.60364), recode TOP_Q_DC_ALL ="1", otherwise="0".

Determine whether all reportable student groups posted a **score of at least 6.00** on the 2019 WSIF as a qualifying criteria.

- If (Final_School_Score_2019_ALL>=6.00 AND REPT_WSIF_19_ALL=1), recode GTE6_WSIF_19_ALL="1", otherwise ="0".
  - Repeat recode for all seven race/ethnicity student groups
  - Repeat recode for all three program (EL, FRL, SWD) student groups
- Compute the percentage of reportable stoups with a WSIF of at least 6.00. If (TOTAL_REPT_GRPS_WSIF_19>=1), compute PCNT_REPT_GRPS_GTE6_WSIF_19= TOTAL_GTE6_GRPS_WSIF_19/TOTAL_REPT_GRPS_WSIF_19*100.

- Create eligibility variable. If (GTE6_WSIF_19_ALL=1 AND PCNT_REPT_GRPS_GTE6_WSIF_19=100), recode EVERY_REPT_GP_GTE6_WSIF_19 = "1", otherwise = "0".

Final Identification of Schools for Recognition
Data Sources: Uses data from all the previous calculations.

Gap Closing Recognition

- If GAP_CLOSING_RECOG>=1 AND ESSA_PART_ELIGIBLE=1, recode NEW_GAP_CLOSING_RECOG = "1", otherwise= "0"

Growth Recognition

- IF (PCNT_GPS_TOP_Q_ALL>=60 AND HIGHLOW_GAP_ELIGIBLE=1 AND ESSA_PART_ELIGIBLE=1), recode GROWTH_RECOG_ALL="1", otherwise = "0".
- IF (GROWTH_RECOG_ALL=1 AND TOTAL_GPS_TOP_Q_ALL =1 AND TOP_Q_ATT_CHANGE_1819_ALL=1), recode GROWTH_RECOG_ALL = "0".
- RECODE GROWTH_RECOG_ALL (1=0).
- If GROWTH_RECOG_ALL=1 AND ESSA_PART_ELIGIBLE=1), recode NEW_GROWTH_RECOG_ALL = "1", otherwise = "0".
    - Repeat calculations for all seven race/ethnicity student groups
    - Repeat calculations for all three program (EL, FRL, SWD) student groups

Achievement Recognition

- IF (TOP_Q_ELA_PRO_3YR_ALL=1 AND EVERY_REPT_GP_GTE6_WSIF_19=1 AND ESSA_PART_ELIGIBLE=1), recode ELA_PRO_3YR_RECOG="1", otherwise= "0".
- IF (TOP_Q_M_PRO_3YR_ALL=1 AND EVERY_REPT_GP_GTE6_WSIF_19=1 AND ESSA_PART_ELIGIBLE=1), recode M_PRO_3YR_RECOG="1", otherwise= "0".
- IF (TOP_Q_GRAD_3YR_ALL=1 AND EVERY_REPT_GP_GTE6_WSIF_19=1 AND ESSA_PART_ELIGIBLE=1), recode GRAD_3YR_RECOG="1", otherwise= "0".
- IF (TOP_Q_ATT_ALL=1 AND EVERY_REPT_GP_GTE6_WSIF_19=1 AND ESSA_PART_ELIGIBLE=1), recode ATT_RECOG="1", otherwise= "0".
- IF (TOP_Q_OT_ALL=1 AND EVERY_REPT_GP_GTE6_WSIF_19=1 AND ESSA_PART_ELIGIBLE=1), recode OT_RECOG="1", otherwise= "0".
- IF (TOP_Q_DC_ALL=1 AND EVERY_REPT_GP_GTE6_WSIF_19=1 AND ESSA_PART_ELIGIBLE=1), recode DC_RECOG="1", otherwise= "0".

Compute: TOTAL_ACHIEV_RECOG=ELA_PRO_3YR_RECOG+M_PRO_3YR_RECOG+ GRAD_3YR_RECOG+ATT_RECOG+OT_RECOG+DC_RECOG.

ELIMINATE FROM GROWTH RECOGNITION IF 2019 MIN>2.30 AND 2020MIN<2.30

- IF (NEW_GROWTH_RECOG_RACE=1 AND MINW2019>2.30 AND MINW2020<=2.30), recode NEW_GROWTH_RECOG_RACE (1=0).
- IF (NEW_GROWTH_RECOG_PROG=1 AND MINW2019>2.30 AND MINW2020<=2.30), recode NEW_GROWTH_RECOG_PROG (1=0).

Compute TOTAL_RECOGNITION=NEW_GAP_CLOSING_RECOG+NEW_TOTAL_GROWTH_RECOG +NEW_ACHIEV_RECOG.

IF (TOTAL_RECOGNITION>=1 AND ESSA_PART_ELIGIBLE=1 AND OPEN_LAST_2YRS=2), recode **FINAL_RECOGNITION**="1", otherwise="0".

Table 1: includes a brief description of the Phase 2 data elements for the Growth route and the top 10 percent threshold cut points for each of the ten possible reportable measures for the All Students group.

Data Element	Data Definition	Threshold Top 10 Percent (All Students Group)
2018 and 2019 ELA Proficiency	Change in ELA proficiency rate from 2018 to 2019 if the participation rate was ≥ 95 percent for both years.	6.9166 pp
2018 and 2019 Math Proficiency	Change in math proficiency rate from 2018 to 2019 if the participation rate was ≥ 95 percent for both years.	6.7511 pp
2019 ELA SGP	ELA median SGP	62.0 SGP (median)
2019 Math SGP	Math median SGP	66.0 SGP (median)
2018 and 2019 Four-Year Graduation Rate	Change in four-year graduation rate from 2018 to 2019	9.2301 pp
2018 and 2019 Ext. Graduation Rate	Change in the graduation rate (Four to Seven Year) in the 2019 WISF	27.2484 pp
2018 and 2019 EL Progress	Change in EL Progress rate from 2018 to 2019	11.2175 pp
2018 and 2019 Regular Attendance	Change in Regular Attendance rate from 2018 to 2019	5.4505 pp
2018 and 2019 9th Graders On-Track	Change in the 9th Graders On-Track rate from 2018 to 2019	10.7532 pp
2018 and 2019 Dual Credit Completion	Change in the Dual Credit completion rate from 2018 to 2019	12.6782 pp

*Note" pp = percentage points.

Table 2: shows the threshold values (change from 2018 to 2019) for the top 10 percent of schools by student group.

	ELA PRO	MATH PRO	ELA SGP	MATH SGP	GRAD RATE	EXT GRAD RATE	DUAL CREDIT	ON TRACK	REG ATTEN
	Top Decile	Top Decile	Top Decile	Top Decile	Top Decile	Top Decile	Top Decile	Top Decile	Top Decile
All Students	6.9166	6.7511	62.00	66.00	9.2301	27.2484	12.6782	10.7532	5.4505
Native American	15.6350	11.8182	58.00	59.10	29.4706	20.6722	25.1897	21.5161	18.9710
Asian	10.9155	10.9318	71.50	75.50	7.6923	13.7717	17.9914	6.5933	7.9875
Black	17.7281	15.0349	63.50	62.85	15.0531	25.0714	14.9887	18.4097	10.2882
Hispanic	13.1233	11.6977	62.00	65.50	10.3373	25.8427	16.3031	14.8338	7.9906
White	8.0090	8.5152	64.00	67.00	9.5483	26.8779	12.9830	10.7790	6.1688
Pacific Islander	18.2279	13.2097	61.50	57.10	14.4298	28.5714	14.9168	17.2608	13.7404
Two or More Races	14.2557	14.8674	66.50	68.50	15.0580	23.9772	18.1121	15.0123	10.4115
English Learner	12.5278	10.9091	60.50	63.85	17.8938	30.2120	19.0564	18.7657	9.0909
Low Income	9.7631	8.5965	61.00	63.50	10.3190	25.0818	14.2948	14.3499	7.3070
Special Education	12.2730	11.2333	59.00	61.00	19.8645	36.1313	15.3154	20.1112	8.8769

*Note: each change is shown in percentage points change computes as the 2019 value minus the 2018 value. A positive result means the 2019 value was greater than the 2018 value indicating that the group at the school demonstrated improvement on the educational outcome measure. Low Income refers to the students qualifying for the Free and Reduced Price Lunch program.

Proficiency Rate Changes

The ELA and math proficiency rate changes from the spring 2018 testing to the spring 2019 testing was computed as follows:

1. Spring 2019 proficiency rate for the student group minus the spring 2018 proficiency rate for the corresponding student group.
2. The computation was made separately for ELA and math using a minimum n-count of 10 student records.

Because the annual proficiency rates were particularly sensitive to testing participation rates, it would be virtually impossible to distinguish an increase in rate attributed to higher performance on tests from an increase attributed to higher participation in testing. In order to minimize the possibility of an erroneous identification, the change in proficiency rate was computed for schools only if the 2018 and 2019 participation rates were at least 95 percent. For calculations relying on these measures, numerators and denominators were coded as a zero so as to not penalize a school for low participation rate on a given change score.