

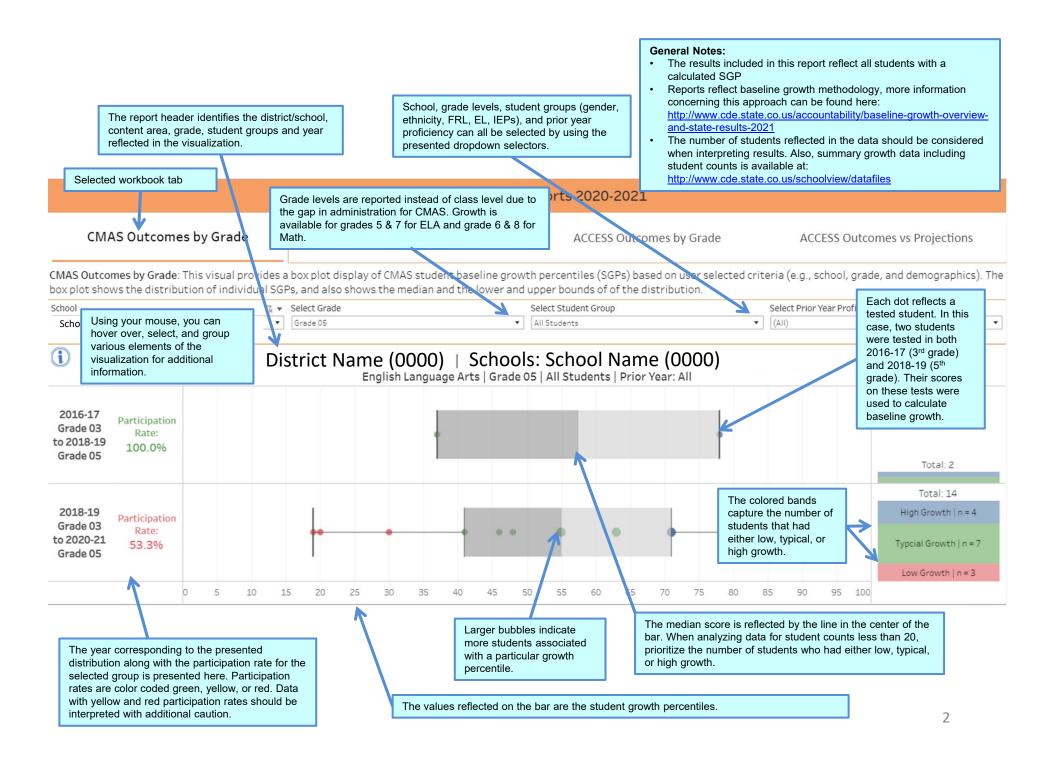
Baseline Growth Visualizations: Annotated Resources

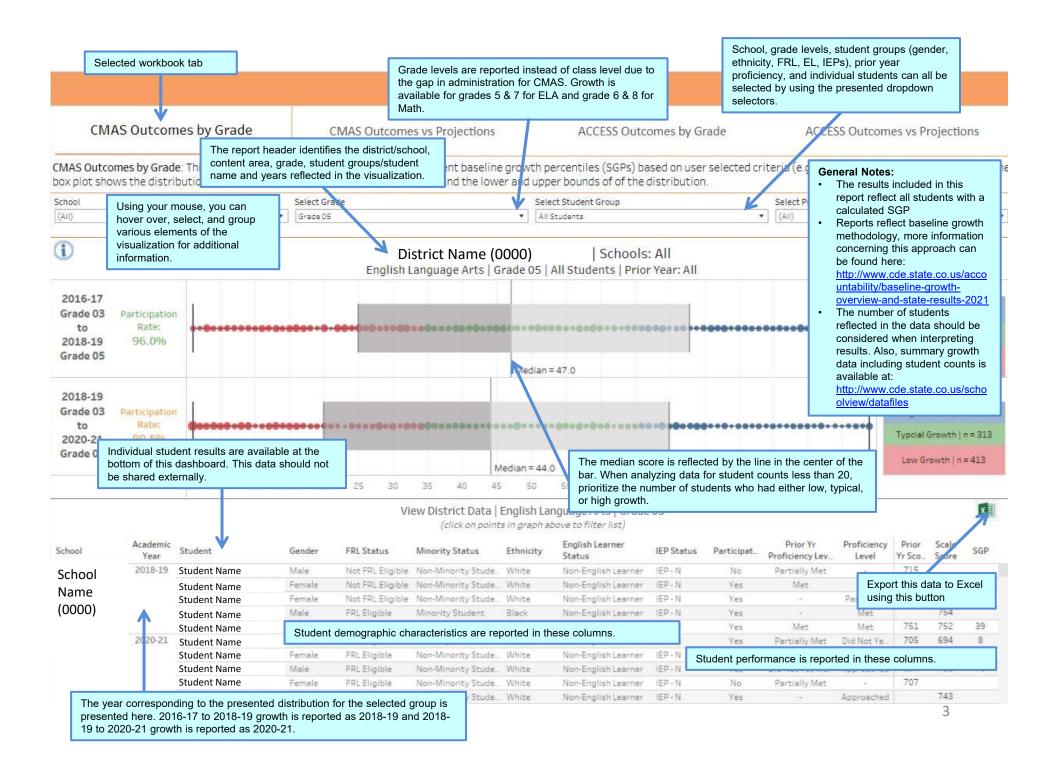
- In order to support understanding of the growth visualization tool, a series of annotated screenshots are provided in this document. Access to these visualizations are available through a free software called Tableau Reader. Information on how to find these visualizations and on how to use Tableau Reader has been shared with District Accountability Contacts.
- The growth visualization tool has four primary tabs, each reflecting either CMAS or ACCESS data by grade or with growth projections. This includes the following visuals:
 - CMAS Outcomes by Grade (page 2): a visual box plot display of CMAS student baseline growth percentiles (SGPs) based on user selected criteria (e.g., school, grade, and demographics). This display indicates the lower and upper bound of SGP scores along with the median score and individual scores included in the distribution. The data is displayed in two sections one for each of the most recent years in which data is available.
 - CMAS Outcomes vs Projections (page 4): a graph that displays change in CMAS scale score and proficiency level between years while also displaying the
 corresponding baseline growth percentile. The display can be displayed by state, district, or school results. It allows for selections by grade level, student
 group, and cohort group. In addition, individual student results can be displayed.
 - ACCESS Outcomes by Grade (page 5): a visual box plot display of WIDA-ACCESS student baseline growth percentiles (SGPs) based on user selected criteria (e.g., school, grade, and demographics). This display indicates the lower and upper bound of SGP scores along with the median score and individual scores that make up the score distribution.
 - ACCESS Outcomes vs Projections (page 7): a graph that displays change in WIDA-ACCESS scale score and proficiency level between years while also
 displaying the corresponding baseline growth percentile. The display can be displayed by state, district, or school results. It allows for selections by grade
 level, student group, and cohort group. In addition, individual student results can be displayed.

For more information concerning baseline growth, go to: http://www.cde.state.co.us/accountability/baseline-growth-overview-and-state-results-2021.

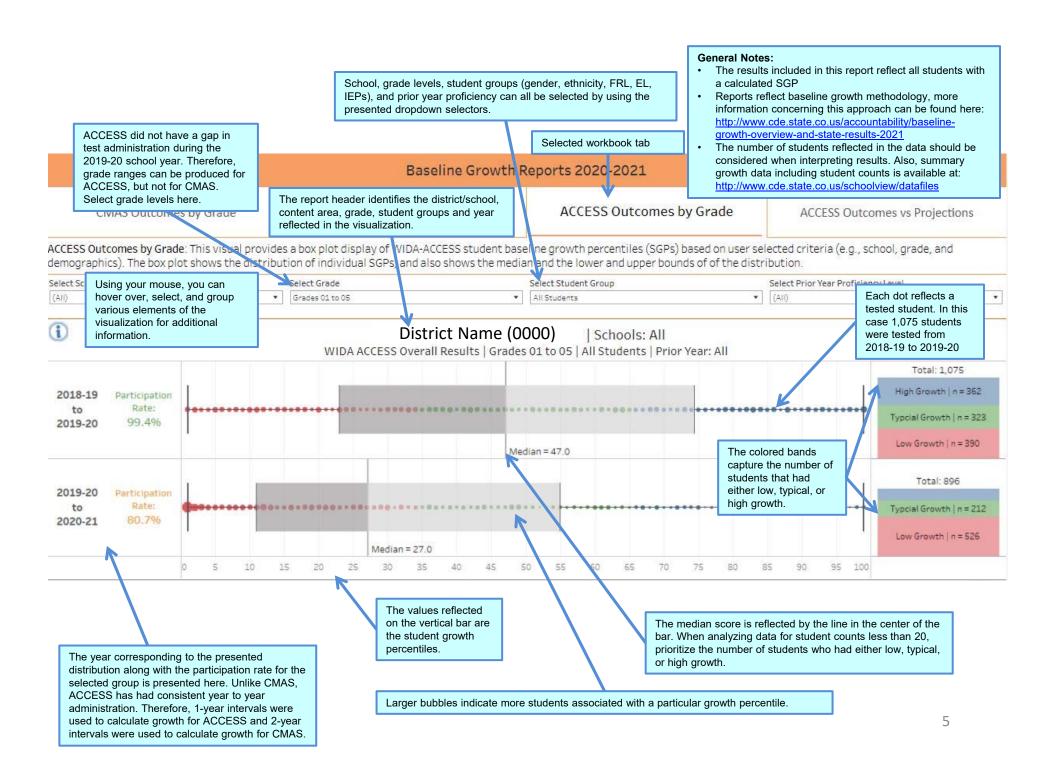
These visualizations include student-level information that should not be shared with external third parties. To learn more about protecting Student PII, go to: https://www.cde.state.co.us/dataprivacyandsecurity. Districts should consider how they may share this data within their system since all schools and student data is available within the dashboard. As a suggestion, it may be helpful to share individual screenshots with school-level administrators rather than the Tableau workbook in its entirety.

For additional questions regarding the presented visuals and/or requests for training on CDE data tools can be made to the following e-mail account: accountability@cde.state.co.us.





General Notes: School, grade levels, student groups (gender, ethnicity, FRL, EL, IEPs), prior year The results included in this report reflect all students with a Grade levels are reported instead of class level due to proficiency, and individual students can all be calculated SGP the gap in administration for CMAS. Growth is 0-2021 selected by using the presented dropdown Reports reflect baseline growth methodology, more information available for grades 5 & 7 for ELA and grade 6 & 8 for concerning this approach can be found here: selectors http://www.cde.state.co.us/accountability/baseline-growth-overview-CMAS Outcomes vs Projections and-state-results-2021 **ACCESS Outco** CMAS Outcomes by Grade The number of students reflected in the data should be considered Selected workbook tab when interpreting results. Also, summary growth data including student counts is available at: IAS Outcomes vs. Projections: This graph displays CMAS scale score and proficiency level outcomes across years along http://www.cde.state.co.us/schoolview/datafiles strict, or school level results, or to display outcomes for an individual student. Filters can also be used to change grade Select Current Grade Level Select Student Group Select Result Set Select Students) View The report header identifies the district/school, ▼ (AII) ▼ Grade 05 ▼ All Results Both Years View ▼ All Students content area, grade, student groups/student name and years reflected in the visualization. Each colored bubble corresponds to the amount of District Name (0000) Schools: All growth that would have been Using your mouse, you can English Language Arts | Grade 05 | All Students necessary to reach the identified hover over, select, and group All Results Both Years score band. For a student to various elements of the reach the projected placement addition t el outcomes, the graph below displays three different growth projections for 2020-21 based on data available for students visualization for additional demonstrated by the bubbles on nce points for understanding how 2020-21 outcomes compare to historical growth trajectories. v, typical, information. the proficiency bands, they would have received a Mean 840 Scale Score in the ranges listed under each bubble below. Proficiency Level 5 | 810 Proficiency Level 5 | 799 800 The line reflects the change in scale score between years. This reflects how students High Growth Projection 780 performed against proficiency level cut 66th Percentile points (the colored bands). 755 - 757 760 Mean Scale Score: 746 Proficiency Level 4 | 750 Proficiency Level 4 | 750 Median Growth Percentile: 44.0 740 Mean Scale Score: 739 Proficiency Level 3 | 725 Proficiency Level 3 | 725 pical Growth Projection Median Growth Percentile: n < 20 In this district example, 5th grade students 720 50th Percentile received a 746 Mean Scale Score. 747 - 749 placing them in the Level 3 Proficiency Proficiency Level 2 | 700 Proficiency Level 2 | 700 band (shown as yellow). Using their 2018-19 to 2020-21 results, they received a Median Growth Percentile of 44, which 680 is considered typical growth. If they had Low Growth Projection received a score in the 755-757 range 35th Percentile (the blue bubble), their growth percentile 660 739 - 741 would be considered high growth. This would have placed them in the Level 4 2018-19 Grade 03 2020-23 Proficiency band (shown by the blue dot). Participation Rate: 96.6% Participation Rate: 80.5% The year corresponding to the presented distribution along with 4 Each colored proficiency band reflects the range of scores associated with a particular CMAS the initial grade level for the selected group is presented here. performance level.



ACCESS did not have a gap in Selected workbook tab School, grade levels, student groups (gender, test administration during the 2019-20 school year. Therefore, ethnicity, FRL, EL, IEPs), prior year Baseline Growth Reports 2020-2021 proficiency, and individual students can all be grade ranges can be produced for ACCESS, but not for CMAS. selected by using the presented dropdown The report header identifies the district/school, Select grade levels here. selectors content area, grade, student groups/student ACCESS Outcomes by Grade CMA name and years reflected in the visualization. **General Notes:** ACCESS Outcomes by Grade: This visual provides a box plot display of WIDA-ACCESS student baseline growth percentiles (SGPs) based on user selected c The results included in this demographics). The box plot shows the distribution of individual SGPs, and also shows the median and the lower and upper bounds of of the distribution report reflect all students with a calculated SGP Select Grade Select Student Group Select School Select Pr Reports reflect baseline growth (All) Using your mouse, you can Grades 01 to 05 All Students (AII) methodology, more information hover over, select, and group concerning this approach can various elements of the (I) be found here: District Name (0000) Schools: All visualization for additional http://www.cde.state.co.us/acco information. WIDA ACCESS Overall Results | Grades 01 to 05 | All Students | Prior Year: All untability/baseline-growthoverview-and-state-results-2021 The number of students 2018-19 Participation reflected in the data should be Rate: considered when interpreting to results. Also, summary growth 99,496 2019-20 data including student counts is available at: Median = 47.0 http://www.cde.state.co.us/scho olview/datafiles 2019-20 Participation Rate: to Typcial Growth | n = 212 2020-21 80.7% Low Growth | n = 526 Individual student results are available at the The median score is reflected by the line in the Median = 27.0 bottom of this dashboard. This data should not center of the bar. When analyzing data for 40 45 30 35 90 Export this data be shared externally. student counts less than 20, prioritize the to Excel using number of students who had either low, typical. View District Data | WIDA AC this button or high growth. District Name (0000) Academic Language Prior Yr Proficiency Prior Yr Scale Grade IEP Status Participat... SGP School FRL Status Minority Status Ethnicity Student Gender Proficiency Lev... Year Proficien. Level Score Score 2019-20 LEP 324 345 Grade 02 Student Name Male FRL Eligible Minority Student Hispanic IEP-N Yes L4 14 52 School L2 288 Grade 04 Male Not FRL Eligible Minority Student Asian IEP-N Student Name Name 2019-20 Grade 01 Female Not FRL Eligible Minority Student NEP IEP-N Student Name Asian Student performance is reported in these columns. LEP IEP-N (0000)Female Not FRL Eligible Minority Student Asian Student Name LEP IEP - N 13 13 263 301 63 Female Not FRL Eligible Minority Student Asian Student Name 12 L3 240 302 81 Student Name Student demographic characteristics are reported in these columns. L3 14 291 316 67 Student Name L3 86 Student Name Not FRL Eligible Minority Student 14 279 327 71 L3 278 Yes L3 325 The year corresponding to the presented distribution for the selected group is presented here. The year corresponding to the L3 318 Yes presented distribution along with the participation rate for the selected group is presented here. Unlike CMAS, ACCESS has had consistent year to year administration. Therefore, 1-year intervals were used to calculate growth for ACCESS and 2-year intervals were used to calculate growth for CMAS.

