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PREPARED FOR THE NEW YORK STATE EDUCATION DEPARTMENT BY EDUCATION ANALYTICS, INC.
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Student growth is calculated for institutions (e.g., public schools and districts) using student test scores and is based on changes in student performance on the State's grades 3–8 assessed on cha.1[sAuDA0 0 mOP on chaics from[on 0 mtw-9.9een[1e[11



1. A **Student Growth Percentile (SGP)** is calculated for all public-school students in the state in grades 4 through 8 with a current and prior year test score in the same subject. SGPs measure a student’s improvement, or growth, relative to other students, considering the students’ prior academic histories. The SGP indicates whether a student grew more than or less than students in the State with similar prior test histories. For example, a student who receives an SGP of 70 in that year scored as high or higher than 70% of students in the state with similar prior test histories.
2. Second, the SGPs are attributed to an institution, and all SGPs attributed to that institution are averaged together to create a **Mean Growth Percentile (MGP)** for that institution. MGPs measure an institution’s average growth based on the mean of the SGPs. For example, an institution that receives an MGP of 70 in that year had students that, on average, scored as high or higher than 70% of students in the State with similar prior test histories on the ELA and math assessments.



New York State’s accountability system was implemented to meet the requirements of New York’s Every Student Succeeds Act (ESSA). Using State assessments to measure each student’s growth during a given school year can help illuminate the influence that a year of schooling has on student learning. By measuring academic growth, in addition to proficiency, we can identify strengths and gaps in student readiness and progress that helps teachers to better support students who have a wide range of academic needs.



To further increase the stability and reliability of this measure, beginning with the 2017–18 school year results, New York State, in accordance with its approved Every Student Succeeds Act (ESSA) Plan, uses a three-year average MGP (or Growth index) using both ELA and mathematics SGPs for each accountability subgroup in the institution. In response to the impacts of the COVID-19 pandemic on the New York State testing system, the USDE approved amendments to the New York State ESSA Plan. As part of these amendments, NYSED generated one-year average Growth Indices based upon the 2022–23 school year results. These Growth Indices will not be used to make accountability determinations and are provided for informational purposes. Growth results are available in the Student Information Repository System (SIRS) 112 Verification Report.



Students must be continuously enrolled in a school (i.e., they are enrolled on BEDS Day in the fall and assessment day in the spring) in order for their SGPs to be included in their institution’s Growth Index. For the 2022–23 institutional accountability calculation, district-verified rosters were available to attribute SGPs to institutions.



Once the roster of continuously enrolled students is identified, a Growth Index (i.e., Mean Growth Pro



TABLE 2. GROWTH INDEX TO GROWTH LEVEL
