

The Role of Growth Scores in Annual Performance Reviews

As p_st of the Annu_hProfess on_hPerform_ace Rev ew (APPR) process pursu_at to Educ_t on L_w §3012-d, New Yor St_te te_shers of m_them_t cs_ad En_l sh l_a, u_ae_sts (ELA) n_r_des 4-8_ad the r pr nc p_ls w ll rece ve St_te-prov ded rowth scores b_sed on 2017-18 St_te tests **for dv sor purposes onl** pursu_at to Sect on 30-317 of the Rules of the Bo_sd of Re_ents These rowth scores descr be how much students_se_row n_sd_dem c_ll n m_them_t cs_ad ELA (_s, me_sured b_the New Yor St_te tests) comp_sed to s m l_f students st_tew de

Dur n. the 2016-17 throu, h 2018-19 school e-s, te-shers -nd pr nc p-ls who rece ve -St-te-prov ded rowth score (e, r-des 4-8 ELA -nd m-them-tics te-shers -nd pr nc p-ls of schools th-tinclude, r-des 4-8 or -H of r-des 9-12) will rece ve two sets of scores -nd r-tin. s or n-ls scores -nd r-tin. s -nd tr-ns t on scores -nd r-tin. s The St-te-prov ded rowth score sh-H be excluded from the scores -nd r-tin. s used to c-lcul-te the over-H tr-ns t on r-tin. Only the tr-ns t on score -nd r-tin. Will be used for purposes of employment decisions, including tenure determinations -nd for purposes of proceed not sunder Educ-tion L-ws §§3020----nd 3020-b--nd te-sher--nd princip-ls mprovement pl-ns--nd the nd vidual-like employment record. During the 2016-17 through 2018-19 school e-ss, such princip-ls or n-hover-H r-tin. Will be used for -dv sor purposes onl

St_te-prov ded rowth scores _Fe_ust **one** of the **mult ple** me_sures th_t m_e up the _nnu_hperform_nce reviews For APPRs completed pursu_nt to Eduction L_w §3012-d, _n eductor's over_H composite r_t n is determined us n __m_t x th_t combines __r_t n ib_sed on one or more me_sures of student rowth _s well _s __r_t n ib_sed on princip_hschool visits

Where and when will data be available?

St_te-prov ded rowth scores for 2017-18 -re expected to be d str buted to d str cts in e_rl September 2018

Where can I get more information?



Why Growth?

All students enter the r te_shers' cl_ssrooms _t d ffer n, levels of _s_dem c prof c enc or _sh evement One w__ to me_s sure prof c enc s student perform_ace on st_ad_xd zed_ssessments B me_sur n, the _mount of pro, ress, or "_s_dem c rowth" _student m_es dur n, _ ven school e_s on these_ssessments, we c_a be, n to underst_ad the nfluence of th_tp_st_cul_school e_sexper ence on student le_sn n, 2B me_sur n, _s_dem c, rowth r_ther th_a prof c enc , we c_a dent f stren, ths_ad, _ps n student pro, ress_ad help pr nc p_ls to better support students who h_se_w de r_a, e of _s_dem c needs

Growth me_sures for pr nc p_ks n_r_des 4-8 prov de nform_ton on the_rowth of students for which the __re respons ble comp_red to students with siml_t_ch_r_der stics_gross the st_te. This inform_ton c_n inform pr nc p_ks' underst_nd n_of how, on __yer_ne, these students rew comp_red to the ripeers.

How Does New York State Measure Student Growth?

The s mplest was to measure rowth would be to subtract astudent's test score in aprior easifrom his or her test score in the current easife, test score in sprin. 2018 minus test score in sprin. 2017) However, New Yor State's tests are not desired to allow for this indicated as need to allow for this indicated as the test scores are not compassible across rade levels. Nor would this approach account for astudent's station point ad other base round characteristics. Instead, New Yor State's approach is to compassible current easierores of similar students—that is, of students who had the same prior test scores and other characteristics—in order to measure rowth while account in for students' station, levels of an evenent.

This method, Illustrated in **F ure 1**, shows Student A (red student) with a ELA score of 320 in 2017⁴ Compared to other students (solid blue students) who also had scores of 320 in 2017, Student A's ELA test score in 2018 was in the middle rapide when compared to those same students. We can deshaube Student A's rowth re3 (0)8 (17))1ecels ooPe for 0 in 6704507036n17)es



Factors Used to Define "Similar Students" in the Growth Model for 2017-18

For educ_tor ev_lu_t on, we further ref ne the def n t on of s m l_t_students to nclude_dd t on_lf_ctors nown to mp_ct student perform_ace n order to better sol_te the mp_ct of _student's te_cher on h s or her perform_ace In the St_te rowth model, the term "s m l_t_students" me_as not only students with the s_me_c_dem c h storing, but _lso students with the s_me_En_lsh l_n, u_ne le_ner (ELL), economic d s_dv_nt_ne, or d s_blit st_tuses_t_both the student_ad cl_ss-room levels T ble 1 d spl_s specific f_ctors for e_ch of these c_te_or es. We_ccount for whether_student s_n_ELL, for ex_mple we_lso_ccount for the percent_ne of ELL students n_student's ELA or m_them_t cs course This t_pe of f_ctor s_ntended to_ddress peer effects, _c_nowled_n_th_t_t_m_be__d fferent experience for _student to be_n_cl_ss_or course with m_n ELL students (_nd_d fferent_ob for_n educ_tor with m_n ELL students) th_n t_s_t_s to be_n_course with fewer ELL students

Table 1. Factors Used to define "Similar Students" in 2017-18*

	Up to three e-rs of student St-te ex-m scores, s-me subject Pr or-e-ntest score, d fferent subject Ret-ned northee Average pr or and evement and range appund average pr or score in student's course (s-me subject) New to school non-non-rst cultion e-rs(e), entered middle school and eoth or reder)
	New Yor State En. I shase Second Lapuage Ach evement Test (NYSESLAT) scores Percentage of ELLs in student's course ELL Status (ies or no)
	Percentae of economic Hild sadvantaed students in student's course Student economic disadvantae status (les or no)
Disabilit es	Student with disublities spendin, less thup 40 percent of time invener Leducution settin. Percenture of students with disublities in student's course Student with disublities stutus (less or no)

^{*} In the future, _dd t on_hch_f_ster st cs m__ be_dded, or other ch_f, es m__ be m_de to the rowth model, _s_pproved b the Bo_fd of Relents

How is Student Growth Used for 4-8 Principal Evaluation?

A school's or principlifs Stite-provided rowth ritin. (the HEDI ritin.) and rowth score (0–20) are bised on the "me in rowth percent le" or MGP, the arrest temesure of student rowth in the principlifs school An MGP is circulated by finding the series of all the SGPs for students attributed to aschool or principlify arross rides and subjects.

T ble 2 llustr_tes how _A MGP s c_kul_ted for _school or pr nc p_hb _ver_n n SGPs of students Students who do not meet the cont nuous enrollment requirement (e , those who were not enrolled on BEDS d___Ad on the first d__ of the St_te_ssessment_dm n str_ton) _re not ncluded n _school's or pr nc p_k's MGP⁵ F n II , n MGP s reported onl f t s b sed on t le st 16 SGPs.

⁵ Note that student In are rules are different and therefore MGPs are computed different. For teachers than the are for principles. Specifically, SGPs for students who were enrolled in ateacher's course for allow eriper od of time and who attended more revulual count more hear in a teacher's MGP than those who were enrolled and attended for less time. Students with less than 60 percent course enrollment are not included in a teacher's MGP. For more details and an example, see the Teacher's Guide to Interpret in State-Provided Growth Scores for Grades 4-8, which is a subject on the NYSED Growth Measures Tool its page.

 $\label{thm:count} \textbf{Table 2. Example of Students Who Count in a School's or Principal's MGP: Sample \ Data \\$

		MGP Calculat on	
-	Yes	Yes	4
Grad	le		



All stast chokulations contain some uncertant. Although the reported MGP is the best est make for any teacher or principal, we can also quantifications, e where new can expect that the true answer lies. The upper-and lower-limit MGPs define a set of scores where note and educator's true MGP lies 95 percent of the time. Report noting upper-and lower-limit MGPs is significantly noted to the way other stastic and characteristics. Such a political politic and the politic and the politic and the politic and the state of the time and the score are score and the score and the score and the score and the score are score and the score and the score and the score and the score are score and the score and the score are score and the score and the score and the score are score and the score are score and the score and the score are score are score and the score are score and the score are score as a score are score and the score are score as a score are score and the score are score as a score are sc

We report the upper- _ad lower-l m t MGPs bec_use we w_at to be tr_asp_fent_bout the d_t__We__lso use upper- _ad lower-l m t MGPs to _ss _n educ_tor r_t_n s n _w__ th_t_f_fl t__es uncert_at n MGPs nto _ccount We use the over_ld usted MGP (th_t s, the MGP th_t comb nes nform_t_on _cross _ll_appl c_ble _r_de levels _ad subjects) _ad upper- _ad lower-l m t MGPs to determ ne _rowth r_t_n s, _s shown n F ure 3 The rules for _ss _n n _ rowth r_t_n s _re the s_me for schools, pr nc p_ls, _ad te_chers of _r_des 4-8 students

A rowth score of 0-20 points is then ssined within eight rowth right, cities or (HEDI) using the scoring bands pre-



Growth Ratings for Schools or Principals Serving Grades 4-8 & 9-12

To determ ne _f n_hSt_te-prov ded , rowth r_t n for schools or pr nc p_hs who serve , r_des 4-8 _hd , r_des 9-12, rowth r_t n s _hd scores _re determ ned for , r_des 4-8 _hd , r_des 9-12 sep_h_tel _hd then comb ned 7 The , r_des 4-8 me_sure , rowth r_t n s determ ned us n, the process shown n **F ure 3** Bec_use mult ple , r_des 9-12 me_sures ex st, rowth scores for e_h , r_des 9-12 me_sure _re _ver_ned to, ether _hd then we , hted b the number of students n e_h me_sure to determ ne _h over_h , r_des 9-12 , rowth r_t n _hd score An over_h , rowth subcomponent r_t n , th_t ncludes results for both , r_des 4-8 _hd , r_des 9-12 students s then computed n the s_me m_hner b _ver_n n , r_des 4-8 _hd , r_des 9-12 , rowth scores b the number of students n e_h me_sure _hd f nd n , the f n_hr_t n , **F ure 4** shows _h ex_mple of th s process

Rat ng Effect ve 16 435 18% 16 x 018 79 Rat ng/Growth Score Effect ve 82% 15 x 0 82 15 1.970 12 3 Rat ng/Growth Score Effect ve 2,405 100% 15 Rat ng/Growth Score , 1, . . . bc

Figure 4. Determining Growth Ratings for Schools & Principals with Grades 4-8 & 9-12 Growth Measures

Information Available in District Files

St_te-provided rowth scores rem_de_v_l_ble to districts b. September e_sh school e_s or _s soon _s pr_st c_ble there_fter Results _se provided in sep_s te f les for te_shers, princip_ls, _sd schools. These f les cont_sh the following form_t on

- Number of Student Scores: The number of SGPs included in a MGP
- **Percent of Students Above the St te Med n:** Percent e of students bove the St te med a SGP n the relevant subject and right, us no educated student SGPs
- Un djusted MGP (Pr nc p | or School): The me_a of the SGPs for students | n | ed to _pr nc p_h(or school) b_sed on pr or _sh evement scores onl , w thout t_a n | nto cons der_a on ELL, students w th d s_b|t es, or econom c student ch_a ster st cs
- Un djusted MGP (Te cher): The we had me a of the SGPs for students who rettrouted to techer, besed on prior she evement scores only without to no not consider to nell, students with disabilities, or economic disabilities at the student characteristics. The we had me as calculated besed on the amount of time students were enrolled in additional course with techer.

NYS.



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Questions for Consideration

Follow n, _re some guest ons to cons der _s, ou rev ew our St_te-prov ded rowth score nform_ton

How much d d m students row, on werse, compsed to s m lastudents? Is this higher, lower, or shout what would have expected? Wh?

How does this information about student rowth and in with information about mile dership practice received through observations or other measures? While months this be?

How do m MGPs in these subjects compare? Whilm the besmlator different?

How do m MGPs comp_re_gross r_de levels? Wh m, ht the besml_f, or d fferent?

Information or Additional Questions

If ou h ve quest ons bout our dt, whit the scores re used for, or who ureceved the score thit oudd, ple se contict our school's superintendent or district dit personnel for ssist nce. If unlike to obtain asswers to quest ons, contact educatore value nied ov

Disclaimer

If _a d screp_ac es ex st between the l_a, u_ae n these m_ter_ls_ad the St_tute, Re, ul_tons, or APPR Gu d_ace, the St_tute, Re, ul_tons, or APPR Gu d_ace prev_l