

INDIANA



Indiana includes high-achieving students in its growth model but does little else to encourage schools to pay attention to them.

THE PURPOSE OF THIS ANALYSIS

The Every Student Succeeds Act grants states more authority over their school accountability systems than its predecessor, No Child Left Behind (NCLB). Consequently, states now have an opportunity to design school rating systems that improve upon the NCLB model, especially when it comes to high achievers.

NCLB meant well (as did many state accountability systems that preceded it), but it had a pernicious flaw. Namely, it created strong incentives for schools to focus all their energy on helping low-performing students get over a modest “proficiency” bar, while ignoring the educational needs of their high achievers, who were likely to pass state reading and math tests regardless of what happened in the classroom. This may be why the United States has seen significant achievement growth for its lowest-performing students over the last twenty years but smaller gains for its top students.

Starting in 2011, former Secretary of Education Arne Duncan offered waivers to states that wanted the flexibility to redesign their accountability systems. In particular, states were allowed to incorporate the use of real student growth measures into their school determinations. This was important for a variety of reasons. First, growth measures more accurately evaluate schools' impact on student achievement than proficiency rates, which are strongly correlated with student demographics, family circumstance, and prior achievement. But just as significantly, well-designed growth measures can eliminate the temptation for schools to ignore their high achievers.

ESSA maintains NCLB's requirement that states assess students annually in grades 3–8 and once in high school, as well as the mandate that states adopt accountability systems that lead to ratings for schools. These systems must include four types of indicators: academic achievement; another academic indicator, which can include student growth for elementary and middle schools; growth towards English proficiency for English language learners; and at least one other valid, reliable indicator of school quality or student success. Each of the academic indicators (1–3) must carry “substantial” weight and, in the aggregate, must count “much more” than the fourth.

Here we examine whether Indiana’s accountability system prioritizes high achievers. We specifically evaluate the state’s system for rating school performance during the 2015-16 school year. We do not examine the quality of Indiana’s standards, tests, or sanctions for low performance.

This analysis also illustrates how states can seize the opportunity under ESSA to redesign their accountability systems and prioritize high achievers.

This last point is especially important because many state accountability systems are currently in flux. In part, that’s because of recent changes allowed by ESEA waivers, as well as the coming changes driven by ESSA implementation. But it’s also because states across the country recently moved to new, tougher assessments linked to their new, tougher standards.

States may think we’re being premature in evaluating their systems during this time of massive change. Please understand that our primary objective is to identify the design features of an accountability system that works for all students—which we hope will become the prevailing model now that ESEA is reauthorized and states’ testing regimes are becoming stable once again.

Our focus here is on rating systems for elementary and middle schools. A separate analysis will examine the same issues for high school accountability.

HOW STATES CAN PRIORITIZE HIGH ACHIEVERS IN THEIR SCHOOL ACCOUNTABILITY SYSTEMS

In our view, states can and should take four steps to ensure that the needs of high achievers are prioritized under ESSA:

1. **For the first academic indicator required by ESSA (“academic achievement”), give schools incentives for getting more students to an “advanced” level.** Under ESSA, states will continue to track the percentage of students who attain proficiency on state tests. They should also give schools incentives for getting students to an advanced level (such as level four on Smarter Balanced or level five on PARCC). For example, they might create an achievement index that gives schools partial credit for getting students to “basic,” full credit for getting students to “proficient,” and additional credit for getting students to “advanced.” (It’s not entirely clear from the Department of Education’s proposed regulations whether this will be allowed, though we don’t see anything in the law prohibiting it.)
2. **For the second academic indicator expected by ESSA (student growth), rate schools using a “true growth model,” i.e., one that looks at the progress of individual students at all achievement levels and not just those who are low-performing or below the “proficient” line.** Regrettably, some states still don’t consider individual student growth, or else they use a “growth-to-proficiency system” that continues to encourage schools to ignore the needs of students above (or far above) the proficient level. Using true growth models—such as “value added” or the “growth percentile method”—for all students is much preferred.

3. **Include “gifted students” (or “high achieving students”) as a subgroup in the state’s accountability system and report results for them separately.** States can signal that high achievers matter by making them a visible, trackable “subgroup,” akin to special education students or English language learners, and publishing school ratings for their progress and/or achievement. (Obviously, it makes little sense to simply report that high achievers are high-achieving. But whether they are making strong growth is quite relevant. Alternatively, states might publish results for students labeled as “gifted,” though that opens up a can of worms about how that label is applied.)

4. **When determining summative school ratings, make growth—across the achievement spectrum—count the most.** Finally, the Department of Education’s proposed regulations require states to combine multiple factors into summative school ratings, probably through an index. Each of the three academic indicators (achievement, growth, and progress toward English proficiency) must carry “substantial” weight. But in our view, states should (and, under ESSA, are free to) make growth matter the most (50 percent or more of a school’s total score). Otherwise, schools will continue to face an incentive to ignore their high-performers. (States that don’t combine their indicators into a summative school rating receive a “Not Applicable” here.)

DOES INDIANA’S ACCOUNTABILITY SYSTEM PRIORITIZE HIGH ACHIEVERS?

INDICATOR	RATINGS	NOTES
1. Does the state rate schools’ “academic achievement” using a model that gives additional credit for students achieving at an “advanced” level?		Indiana does not give additional credit for students achieving at an “advanced” level. ¹
2. Does the state rate schools’ growth using a model that looks at the progress of all individual students, not just those below the “proficient” line?		Indiana uses a categorical growth model. A categorical growth model compares the performance-level categories that students fall into from one year to the next. (See Exhibit A.)
3. Does the state’s accountability system include “gifted students,” “high-achieving students,” or the like as a subgroup and report their results separately?		Indiana does not include “gifted students,” “high-achieving students,” or the like as a subgroup or report their results separately.
4. When calculating summative school ratings, does “growth for all students” count for at least half of the rating?		Growth counts for 50 percent of a school’s summative rating, but students in the lowest achievement quartile receive far more weight than other students. (See Exhibit B.)

EXHIBIT A²

Student GROWTH: Sample Calculation

Elementary School ABC (Grades 3-5)

Example (English/Language Arts):

Top 75% group:

80 students were enrolled for 162 days and had consecutive, valid E/LA assessment scores

Each of the 80 students is assigned a point value based on the table

Total of all points values = 8,000

Top 75% E/LA Growth Score = (8,000 / 80) = 100.0

Bottom 25% group:

27 students were enrolled for 162 days and had consecutive, valid E/LA assessment scores

Each of the 27 students is assigned a point value based on the table

Total of all points values = 2,025

Bottom 25% E/LA Growth Score = (2,025 / 27) = 75.0

E/LA Growth Score = 100.0 + 75.0 / 2 = 87.5 points

Math growth score is calculated the same way

For schools **without graduates**, overall growth score = E/LA Growth Score + Math Growth Score / 2

Student GROWTH: Sample Calculation

Growth Score

Example 1: In the prior year, Student A was in the Did Not Pass 3 category. Student A's observed growth score from last year to this year was 32. Student A is assigned 50 points.

Prior Year Status	SAMPLE Observed Growth					
	Negative/Low Movement		Static/Typical/Normal Movement		Positive/High Movement	
	Target Range	Points	Target Range	Points	Target Range	Points
Pass+ 2	1-41	75	42-66	125	67-99	150
Pass+ 1	1-39	75	40-64	125	65-99	150
Pass 3	1-36	50	37-61	100	62-99	125
Pass 2	1-34	50	35-59	100	60-99	125
Pass 1	1-31	50	32-56	100	57-99	125
Did Not Pass 3	1-29	0	30-54	50	55-99	100
Did Not Pass 2	1-26	0	27-51	50	52-99	100
Did Not Pass 1	1-24	0	25-49	50	50-99	100

Example 2: In the prior year, Student B was in the Pass+ 1 category. Student B's observed growth score from last year to this year was 66. Student B is assigned 150 points.

Add together all points assigned and divide by total number of students who received points. Calculate for Bottom 25% and Top 75% for both English/Language Arts and Math.

EXHIBIT B³

CALCULATING THE FINAL GRADE

To calculate the final A-F grade:

- For schools that DO NOT have grade 12:
 $(\text{Overall Performance Score} * 50\%) + (\text{Overall Growth Score} * 50\%) = \text{Final Points}$
- For schools that DO have grade 12 but DO NOT have any combination of grades K-8:
 $(\text{Overall Performance Score} * 20\%) + (\text{Overall Growth Score} * 20\%) +$
 $(\text{Multiple Measures Score} * 60\%) = \text{Final Points}$
- For schools that DO have grades 3-10 and 12:
 Calculate % of students in the school enrolled in grades 3-8 (EW_{3-8})
 Calculate % of students in the school enrolled in grades 9-12 (EW_{9-12})
Overall performance score = $[(EW_{3-8} * 50\% * \text{Performance score}) + (EW_{9-12} * 20\% * \text{Performance score})]$
Overall growth score = $[(EW_{3-8} * 50\% * \text{Growth score}) + (EW_{9-12} * 20\% * \text{Growth score})]$
Overall MM score = $(EW_{9-12} * 60\% * \text{Multiple Measures score})$
Final Grade = Overall performance score + overall growth score + overall multiple measures score

ENDNOTES

1. “The NEW A–F Accountability System,” Indiana Department of Education, accessed June 28, 2016, page 7, <http://www.doe.in.gov/sites/default/files/accountability/accountability-presentationadvanced.pdf>.
2. *Ibid*, 13–14.
3. *Ibid*, 23.