

MISSOURI



TWO STARS OUT OF FOUR

The Missouri School Improvement Program rewards districts where students achieve at an advanced level. But developing a growth measure for the high school years would give policymakers a better sense of district performance.

THE PURPOSE OF THIS ANALYSIS

The Every Student Succeeds Act (ESSA) grants states more authority over their school accountability systems than did 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: it strongly incentivized schools to focus exclusively on low-performing students' "proficiency" and high school graduation rates, ignoring the educational needs of high achievers, who were likely to pass state reading and math tests and earn a diploma regardless of what happened in the classroom. This may be why the United States has seen significant achievement growth and much higher graduation rates 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 a much fairer way of evaluating schools' impact on student achievement than looking only at proficiency rates, which are strongly correlated with student demographics, family circumstance, and prior achievement. And, just as significantly, well-designed growth measures can eliminate the temptation for schools to ignore their high achievers.

In 2015, Congress replaced NCLB and its waivers with the ESSA, which maintains NCLB's requirement that states assess students annually in grades 3–8 and once in high school. Under ESSA, states must now use four types of indicators to rate high schools: academic achievement (which can include student growth); graduation rates; growth toward English proficiency for English language learners; and at least one other valid, reliable indicator of school quality or student success. Furthermore, each of the academic indicators (1–3) must carry "substantial" weight and, in the aggregate, must count "much more" than the fourth.

To help states make the most of the ESSA opportunity, we have reviewed how well their present, intended, or most recently employed accountability systems serve high achievers. If a state's system doesn't do a satisfactory job of incentivizing schools to focus on high achievers, we believe that strengthens the case for changing it materially.

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.

Here we examine Missouri's system for rating high school performance during the 2014–15 school year—the most recent year for which information is available. We do not examine the quality of the state's standards, tests, or sanctions for low performance.

Part I of this report, released in August 2016, examined Missouri's rating systems for elementary and middle schools.¹

HOW STATES CAN PRIORITIZE HIGH ACHIEVERS IN THEIR HIGH 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 high 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 high 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 a basic level, full credit for getting students to a proficient level, and additional credit for getting students to an advanced level. (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. **Use the flexibility provided by ESSA to rate high schools using a true growth model—that is, one that includes 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, don't use it at the high school level, or 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 those that estimate a school's value added or median growth percentile—is preferable.
3. **When determining summative high school ratings, make growth—across the achievement spectrum—count at least as much as achievement.** The Department of Education's proposed regulations under ESSA require states to combine multiple factors into summative school ratings, probably through an index. Each of the first three indicators (achievement, graduation rate, and progress toward English proficiency) must carry "substantial" weight. In our view, states should (and, under ESSA, are free to) make growth count at least as much as achievement does. Otherwise, schools will continue to face an incentive to ignore their high performers. (States that don't yet roll their indicators up to a summative rating for the school receive a "not applicable" designation here.)

4. **Include an indicator that gives high schools an incentive to help able students earn college credit before they graduate.** One “indicator of school quality or student success” should be the percentage of students who earn college credit via AP, IB, and/or dual-enrollment programs, which are among the best ways to challenge high performers. It’s important that states focus on actual attainment of college credit or the equivalent, not just participation in these programs, lest the incentives encourage the wrong behavior by schools: shoving students into AP, IB, and/or dual enrollment even if they are not prepared to succeed, leading to frustration on their part and potentially harming the experience of their higher-achieving peers. Let us also acknowledge the questionable value of many of today’s dual-enrollment programs. Students are often taught not by college professors but by high school teachers, and the “college credit” earned doesn’t always transfer to bona fide colleges. States should therefore encourage more high schools to offer AP and IB courses because those come with external exams, which ensure program quality and rigor.

DOES MISSOURI’S HIGH SCHOOL ACCOUNTABILITY SYSTEM PRIORITIZE HIGH ACHIEVERS?





INDICATOR	RATINGS	NOTES
1. Does the state rate high schools’ academic achievement using a model that gives additional credit for students achieving at an advanced level?		Missouri gives additional credit for students achieving at an advanced level. ²
2. Does the state rate high schools’ growth using a model that includes the progress of all individual students, not just those below the “proficient” line?		Missouri does not estimate growth at the high school level. ³
3. When calculating summative high school ratings, does the state assign at least as much weight to “growth for all students” as it does to achievement?		Missouri does not estimate growth at the high school level.
4. Does the state rate high schools’ success in helping students earn college credit before graduating via AP, IB, and/or dual-enrollment programs?		Missouri rates districts’ success in helping students earn college credit before graduating via AP, IB, and/or dual enrollment programs. ⁴ (See Exhibit A.)

EXHIBIT A⁵

MSIP 5 Performance Standard 3: Indicator 4 College and Career Readiness (CCR) (K-12 LEAs only)

College and Career Readiness (K-12 Districts) — The district provides adequate post-secondary preparation for all students.

4. The percent of graduates who earned a qualifying score on an **Advanced Placement (AP)**, **International Baccalaureate (IB)**, or **Technical Skills Attainment (TSA)** assessments and/or receive college credit through early college, dual enrollment, or approved dual credit courses meets or exceeds the state standard or demonstrates required improvement.

Status		Progress	
2020 Target	10	Exceeding	7.5
On Track	7.5	On Track	4
Approaching	6	Approaching	2
Floor	0	Floor	0

ENDNOTES

1. Michael J. Petrilli, et al., *High Stakes for High Achievers: State Accountability in the Age of ESSA*, pages 161–165, (District of Columbia: Thomas B. Fordham Institute, 2016), <https://edexcellence.net/publications/high-stakes-for-high-achievers>.
2. “Comprehensive Guide to the Missouri School Improvement System,” Missouri Department of Elementary & Secondary Education, page 18, accessed July 22, 2016, http://dese.mo.gov/sites/default/files/MSIP_5_2015_Comprehensive_Guide.pdf.
3. *Ibid.*, 15.
4. *Ibid.*, 6.
5. “Comprehensive Guide to the Missouri School Improvement System.”