



State High School Exit Exams: Trends in Test Programs, Alternate Pathways, and Pass Rates

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Table of Contents

Summary	<i>1</i>
Key Findings	<i>1</i>
Policy Changes and Changes in Tests	<i>1</i>
Alternate Pathways to Graduation	<i>2</i>
Trends and Gaps in Exit Exam Pass Rates	<i>3</i>
Recommendations	<i>8</i>
Immediate Recommendations	<i>8</i>
Long-term Research Recommendations	<i>9</i>
Study Methods	<i>9</i>
Chapter 1: Evolution of Exit Exam Policies over the Past Eight Years	<i>11</i>
Changes in Exit Exam Policies	<i>11</i>
Changes in Standards and Curricula	<i>11</i>
Expanded Purposes of Exit Exams	<i>12</i>
Phase-in Approaches	<i>12</i>
Adjustment for Special Groups	<i>13</i>
Diversity of Exit Exams	<i>15</i>
State Assistance for Local Implementation of Exit Exams	<i>18</i>
Conclusions	<i>18</i>
Chapter 2: Trends in Alternate Pathways to High School Graduation	<i>19</i>
Alternative and Portfolio Assessments for General Education Students	<i>20</i>
Waivers and Flexible Cut Scores Used By General Education Students	<i>25</i>
Alternate Pathways for Students with Disabilities	<i>26</i>
Alternate Pathways for English Language Learners	<i>33</i>
The Process of Shaping Alternate Path Policy in Three States	<i>33</i>
Conclusions	<i>35</i>
Chapter 3: Trends and Gaps in Exit Exam Pass Rates	<i>37</i>
Longitudinal Trends in Initial and Cumulative Pass Rates	<i>38</i>
Gaps in Initial Pass Rates	<i>40</i>
Gaps Between African American and White Students	<i>40</i>
Gaps Between Latino and White Students	<i>41</i>
Gaps Between Students Eligible for Free and Reduced-price Lunch (FRL) and All Students	<i>42</i>
Conclusions	<i>42</i>



References 44

Appendix A: Studies of High School Exit Exams in 2009 45

Appendix B: Methods of Study. 46

Selection of Interview States 46

Maryland 46

New Jersey. 48

Washington 49

Appendix C: Interview Protocols 50

Alternate Paths 50

Impact of Policy Change. 50

Tables, Figures, and Boxes

Table 1. Major Characteristics of State Exit Exams. 4

Figure 1. States with Mandatory Exit Exams 8

Figure 2. Types of Exit Exams States are Using or Plan to Use 16

Table 2. Alternate Pathways for General Education Students to Graduate 21

Table 3. Alternate Pathways for Students with Disabilities: Alternative Assessment, Portfolio Assessments, and Flexible Cut Scores 27

Table 4. Alternate Pathways for Students with Disabilities: Waiver Options and Alternative Diplomas 30

Table 5. Longitudinal Trends of Initial Pass Rates in Reading and Math 39

Table 6. Initial Pass Rate Gaps Between African American and White Students in Reading and Math 41

Table 7. Initial Pass Rate Gaps Between Latino and White Students in Reading and Math 42

Table 8. Initial Pass Rate Gaps Between FRL and All Students in Reading and Math. 43



Summary

Since 2002, the Center on Education Policy (CEP), an independent nonprofit organization, has been studying state high school exit examinations—tests students must pass to receive a high school diploma. This is our eighth annual report of findings from this comprehensive study, which is based on a survey of all 26 states with current or planned mandatory exit exams, interviews with officials in three states, and other information.

Unlike our past reports that focused mostly on changes that occurred during a single year, this year's report looks across the entire eight years of the study to identify longer-term trends in state policies and student performance. Chapter 1 describes the evolution of policies governing state exit exams and the features of these exams over the past eight years. This chapter also examines long-term changes in the types and amount of technical assistance and financial support that states provide to school districts, educators, and students. Chapter 2 examines this year's special topic—alternate pathways to graduation that states offer students who are struggling to pass exit exams. Chapter 3 analyzes trends in students' pass rates on exit exams and gaps in pass rates between different subgroups of students.

Key Findings

Several key findings emerged from this year's study of state high school exit exams.

Policy Changes and Changes in Tests

- ▶ **Changes in exit exam policies over the past eight years reflect states' struggles to develop standards and testing systems that are sufficiently demanding but also achievable and fair.** Since 2002, the stakes attached to state high school exit exams have risen for students and schools. Sixteen more states have begun withholding diplomas from students based on their exam performance, and the number of states that also use their high school exit exams for accountability under the federal No Child Left Behind Act (NCLB) has risen from 2 to 24. Many states have changed their exams to reflect new academic standards and curricula. Since 2002, most states have increased the number of subjects tested. And several states have shifted from minimum competency exams to comprehensive or end-of-course (EOC) exams aligned to content at a higher grade level.
- ▶ **At the same time, states have sought to soften the sting of exit exam mandates by phasing in requirements and allowing for adjustments.** On average, states with exit exam requirements have waited four years between the time their tests were first administered and the time diplomas were first withheld based on test performance. Some states have also taken a gradual approach to introducing new subjects to be tested. All of the exit exam states have modified their requirements to accommodate students with disabilities. In addition, most states have instituted alternate pathways to graduation that a few students utilize. Exit exam policies continue to be controversial, and future changes are likely.

- **Since 2004, states have expanded the purposes of their exit exams to include improving teaching and monitoring school performance, in addition to assessing whether students are well-prepared academically.** In 2004, most states with exit exams reported that the purpose of these tests was to assess whether students have acquired the competencies expected at the high school level; only a limited number of states also reported using the exams for other purposes. By 2009, most states with exit exams reported that they also used these tests to evaluate school and district performance and encourage early identification of students who needed extra instructional support, among other purposes. Eighteen states reported using performance data from exit exams to inform policy decisions, and 9 used the tests to guide instruction. In 2009, 11 states cited improving students' readiness for work and postsecondary education as a purpose of their exit exams, up from just 1 state in 2004.
- **Even though states have made some similar changes in exit exam policies, the key features of exit exams continue to vary greatly across states, as does data collected to gauge exam impact.** Although all of these exams rely mainly on multiple-choice questions, they differ in the subjects tested, testing time, standards to which they are aligned, cut scores, and the use of test results.
- **States have developed exit exam policies using input from peer and external reviews.** This input includes reviews by third-party testing experts, studies of alignment with state standards, special task forces to address particular concerns such as high failure rates, and peer review by the U.S. Department of Education to ensure the exams comply with NCLB requirements.
- **In recent years, many states have increased technical assistance to districts and schools related to exit exams, but many have also dramatically cut funding for remediation programs.** In 2002, only half the states with exit exams required districts to provide remediation services, and just one-third provided students with study guides to the exams; even fewer states provided teachers with instructional resources related to exit exams. By 2009, the scope of technical assistance tied to exit exams had expanded greatly. For example, 19 of the 26 states with exit exams assist schools in identifying and helping struggling students, 18 provide teachers with professional development to raise pass rates on the exams, and 14 provide districts with direct technical assistance for student remediation programs. At the same time, however, states report a significant decline in state funding for remediation.

Alternate Pathways to Graduation

- **Nineteen states of the 26 states offer alternate pathways to graduation for general education students who have difficulty passing the regular exit exam but can demonstrate mastery of high-school-level knowledge in other ways.** Passing an alternative assessment, such as the SAT, and collecting a portfolio assessment of classroom work are the most common alternate pathways that states offer general education students. Four states offer waivers or flexible cut scores that allow students to graduate if they have failed the exit exam but meet other graduation requirements and comply with very specific criteria, such as completing additional courses or scoring within a certain margin of the cut score on an exit exam. Students who graduate through a waiver, however, do not always receive a regular diploma.
- **Twenty-two of the 26 states also offer specific alternate pathways for students with disabilities, but only two states have alternatives for English language learners.** Fourteen states make available alternative assessments, including portfolio assessments or modified standardized tests, as pathways for students with disabilities who are struggling to pass exit exams. Eleven states offer waiver options specifically for students with disabilities. Most states allow English language learners (ELLs) to take exit exams with accommodations, and most offer ELLs the same alternate pathways available to general education students. Idaho and Minnesota offer alternate pathways aimed at ELLs who have been in the country for a limited number of years.

- ▶ **States rely heavily on advisory committees to design and implement alternate pathway policies; states also stress the importance of monitoring, training, and communication in implementing these alternatives.** In Maryland, New Jersey, and Washington, the three states where we conducted case study interviews, committees that were broadly representative of stakeholders were involved in the details of designing, implementing, revising, and evaluating state exit exams, including policies for alternate pathways. All three states also faced political challenges in balancing flexibility against rigor and fairness, and technical challenges in developing and implementing alternate pathways with limited state staff. Officials in the three states also emphasized the importance of monitoring the use of alternate pathways, providing training to teachers, and actively communicating with stakeholders about policies concerning alternate pathways.

Trends and Gaps in Exit Exam Pass Rates

- ▶ **Improvements in initial pass rates varied across states, although increases in pass rates were greater in mathematics than in reading.** Sixteen of the 26 states had three or more years of consecutive data on the percentages of students who passed exit exams on the first try (the “initial” pass rate). Over three or more years, 8 of these 16 states showed average annual growth in the initial math pass rates of more than 2 percentage points, and four more states made gains that exceeded 1 percentage point. In reading, only three states showed growth in initial pass rates of more than 2 percentage points, and five more states had gains that exceeded 1 percentage point. Initial pass rates decreased slightly in a few states.
- ▶ **Five states (Alabama, Arizona, California, Massachusetts, and Texas) reported the data needed to calculate three-year trends in the percentages of students passing exit exams by the end of grade 12 (the “cumulative” pass rate).** Between 2006 and 2008, Alabama, California, and Massachusetts had cumulative pass rates around 95 percent in both reading and mathematics. The cumulative pass rates in Texas have been consistently higher in reading than mathematics, but the difference has become smaller in the past three years. The difference between initial and cumulative pass rates varies from less than 8 percentage points in Massachusetts to more than 20 percentage points in California. Alabama had a gradual decrease in its initial pass rates in reading, but its cumulative pass rate was steady. Arizona also shows a widened difference in both subjects as its cumulative pass rates grow faster than its initial pass rates.
- ▶ **Gaps in initial pass rates between subgroups remain large.** Gaps in initial pass rates were evident in all states between Latino and white students, between African American and white students, and between low-income students and the general student population. In most cases, these gaps were wider than 5 percentage points, and in some cases exceeded 30 percentage points.
- ▶ **In most states, gaps in initial pass rates have narrowed, but at different paces.** States that have made more progress in narrowing gaps in pass rates are not limited to those with relatively large gaps. Rather, some states with relatively small gaps have made great progress in closing initial pass rate gaps. Other states have made no progress in closing these gaps, but their pass rate gaps have remained relatively narrow since they began withholding diplomas. And some states with relatively large gaps in initial pass rates showed no improvement in narrowing the gaps. There is no clear-cut pattern or explanation for these differences.

Profiles with detailed information about exit exams in individual states can be found on CEP’s Web site (www.cep-dc.org). **Table 1** summarizes the major characteristics of exit exams in these 26 states. **Figure 1** displays the 24 states that, as of school year 2008-2009, require students to pass exams to receive a high school diploma.

Table 1 Major Characteristics of State Exit Exams

State	Current Exam	Year Diplomas First Withheld Based on Current Exam	Subjects Tested	Type of Test	Grade Level of Alignment	Grade Test First Administered	Prior Exit Exam or Exit Exam Being Phased Out
Alabama	Alabama High School Graduation Exam (AHSGE) 3 rd Edition ¹	2001	Reading, language, math, science, social studies	Comprehensive	11 th	10 th	Alabama High School Graduation Exam (AHSGE) 1 st and 2 nd Editions
Alaska	Alaska High School Graduation Qualifying Exam (HSGQE)	2004	Reading, writing, math	Comprehensive	8 th -10 th	10 th	None
Arizona	Arizona's Instrument to Measure Standards (AIMS)	2006	Reading, writing, math, science	Comprehensive	10 th	10 th	None
Arkansas	Arkansas Comprehensive Assessment Program	2010	English II, Algebra I	End-of-course	Varies	Varies	None
California	California High School Exit Examination (CAHSEE)	2006	ELA, math	Comprehensive	ELA (through 10 th), math (6 th - 7 th and Algebra I)	10 th	None
Florida	Florida Comprehensive Assessment Test (FCAT)	2003	Reading and math	Comprehensive	10 th	10 th	High School Competency Test (HSCT)
Georgia	Georgia High School Graduation Tests (GHSGT)	1994	ELA, writing, math, science, social studies	Comprehensive	9 th - 11 th	11 th	Basic Skills Test
Idaho	Idaho Standards Achievement Test (ISAT)	2006	Reading, language usage, math, and science	Comprehensive	10 th	10 th	None

continues ➤

State	Current Exam	Year Diplomas First Withheld Based on Current Exam	Subjects Tested	Type of Test	Grade Level of Alignment	Grade Test First Administered	Prior Exit Exam or Exit Exam Being Phased Out
Indiana	Graduation Qualifying Exam (GQE)	2000	ELA, mathematics	Comprehensive	9 th , including pre-algebra and Algebra I	10 th	
	End-of-Course Assessments (ECAs) ¹	2012	Algebra I, Algebra II, Biology I, English III	End-of-course	Varies	Varies	Graduation Qualifying Exam (GQE)
Louisiana	Graduation Exit Examination (GEE)	2003	ELA, math, science, social studies	Comprehensive	9 th -12 th	10 th	Graduation Exit Exam
Maryland	Maryland High School Assessment (HSA)	2009	English 2, algebra/data analysis, biology, government	End-of-course	10 th	Varies	Maryland Functional Tests
Massachusetts	Massachusetts Comprehensive Assessment System (MCAS)	2003	ELA, math, science (2010)	Comprehensive plus end-of-course exams in science (2010)	10 th /high school standards	10 th ; science will vary	None
Minnesota	Graduation Required Assessments for Diploma (GRAD) ¹	2010	Reading, writing, math	Comprehensive	High School Standards	Varies	Basic Skills Test (BST)
Mississippi	Mississippi Subject Area Testing Program (SATP)	2006	English II (with writing component), Algebra I, Biology I, U.S. history from 1877	End-of-course	Aligned to course content	Varies	Functional Literacy Examination (FLE)
Nevada	High School Proficiency Examination (HSPE)	2003	Reading, writing, math, science	Comprehensive	9 th -12 th	10 th , writing in 11 th	High School Proficiency Examination (earlier version based on 1994 curriculum)
New Jersey	High School Proficiency Assessment (HSPA)	2003	Language arts literacy, math; end-of-course exam in biology (2011)	Comprehensive plus one end-of-course in biology (2011)	11 th	11 th	High School Proficiency Test ₁₁

continues ➤

State	Current Exam	Year Diplomas First Withheld Based on Current Exam	Subjects Tested	Type of Test	Grade Level of Alignment	Grade Test First Administered	Prior Exit Exam or Exit Exam Being Phased Out
New Mexico	New Mexico High School Competency Examination (NMHSCE) ¹	1990	Reading, language arts, written composition, math, science, social studies	Minimum competency	8 th	10 th	New Mexico High School Competency Examination (NMHSCE)
New York	Regents Examinations	2000	ELA, math, science, global history and geography, U.S. history and government	End-of-course	9 th -12 th	Varies	Regents Competency Tests
North Carolina	North Carolina Competency Tests and Test of Computer Skills ¹	1981 (math/reading) 2001 (computer skills) 2010 (end-of-course exams)	Reading comprehension, math, computer skills; starting 2010, end-of-course exams in Algebra I, English I, U.S. history, civics and economics, biology	Comprehensive In 2010, five end-of-course exams	8 th ; end-of-course exams (course-specific)	8 th ; end-of-course exams will vary	North Carolina Competency Test and Tests of Computer Skills
Ohio	Ohio Graduation Tests (OGT)	2007	Reading, writing, math, science, social studies	Comprehensive	10 th	10 th	9 th -Grade Proficiency Tests
Oklahoma	Oklahoma End-of-Instruction (EOI) Exams	2012	Algebra I, English II, and two of the five additional subjects (Algebra II, geometry, English III, Biology I, and U.S. history)	End-of-course	High school standards	Varies	None
South Carolina	High School Assessment Program (HSAP)	2006	ELA, math, science (2010)	Comprehensive plus end-of-course exams in science (2010)	Through 10 th	10 th ; end-of-course exam will vary	Basic Skills Assessment Program (BSAP)
Tennessee	Gateway Examinations	2005	English I, II, and III, Algebra I and II, geometry, Biology I, chemistry, U.S. history, physics (2013)	End-of-course	10 th	Varies	Tennessee Competency Test

State	Current Exam	Year Diplomas First Withheld Based on Current Exam	Subjects Tested	Type of Test	Grade Level of Alignment	Grade Test First Administered	Prior Exit Exam or Exit Exam Being Phased Out
Texas	Texas Assessment of Knowledge and Skills (TAKS) ¹	2005	ELA (reading/writing), math, science, social studies	Comprehensive	Aligned to course content	11 th	Texas Assessment of Academic Skills (TAAS)
Virginia	Standards of Learning (SOL)	2004	English (reading/writing), Algebra I, Algebra II, geometry, biology, earth science, chemistry, world history to 1500, world history from 1500 to present, Virginia and U.S. history, world geography	End-of-course	Aligned to course content	Varies	Literacy Passport Test
Washington	Washington Assessment of Student Learning (WASL) ¹	2008	Reading, writing, math (2013), science (2013)	Comprehensive plus end-of-course exams	10 th	10 th	None

Table reads: Alabama currently administers the Alabama High School Graduation Exam (AHSGE), 3rd Edition, for which consequences began for the class of 2001. The exam assesses reading, language, math, science, and social studies, and is considered by the state to be a comprehensive, standards-based exam aligned to 11th grade standards. The current test replaced the Alabama High School Graduation Exam, 1st and 2nd Editions.

¹ Alabama, Indiana, Minnesota, New Mexico, North Carolina, Texas, and Washington will transition to new exams. See state profiles, found in the accompanying CD or online, for detailed information.

Note: This year's report uses the term "comprehensive" to refer to exit exams aligned to state standards in several subject areas and generally targeted to the 9th- or 10th-grade level. Previous CEP reports referred to these as "standards-based" exams.

Note: ELA = English language arts.

Source: Center on Education Policy, exit exam survey of state departments of education, August 2009.

Figure 1 States with Mandatory Exit Exams

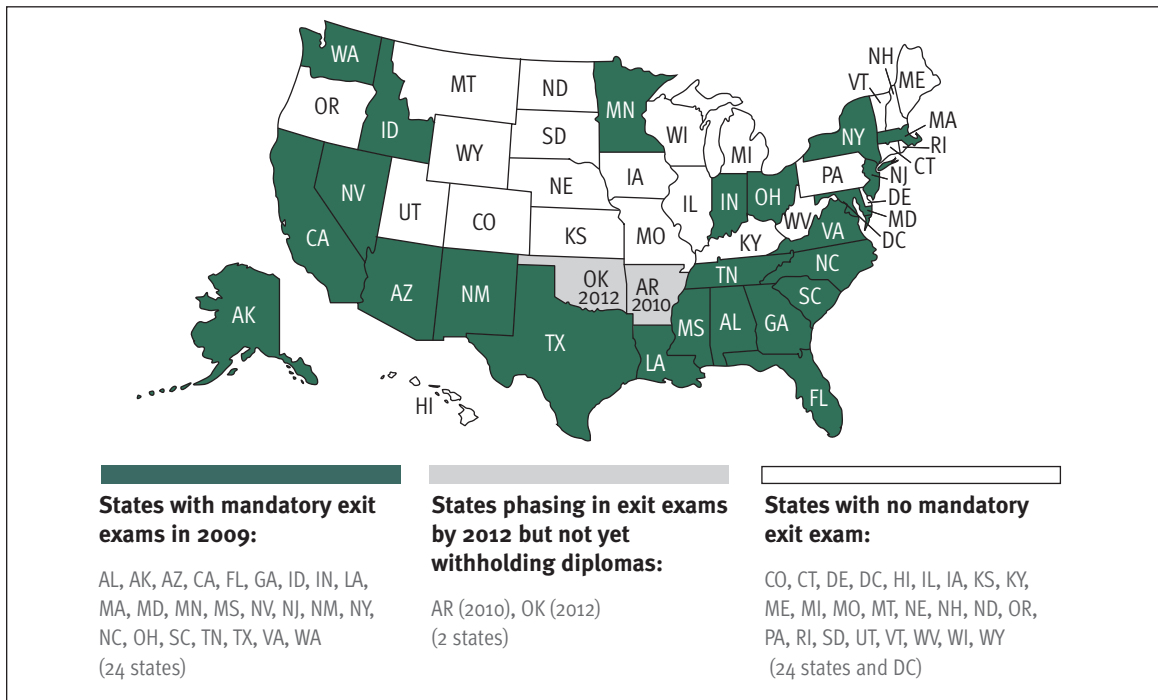


Figure reads: Alabama has a mandatory exit exam and is withholding diplomas from students based on exam performance. Arkansas is phasing in a new mandatory exit exam and plans to begin withholding diplomas based on this exam in 2010. Colorado does not have an exit exam, nor does it plan to implement one.

Source: Center on Education Policy, exit exam survey of state departments of education, August 2009.

Recommendations

In this report we review the development over eight years of state policies affecting high school exit exams, showing both the commonalities and the differences among the states. We also review state policies setting out alternate paths to high school diplomas, and analyze the trends in initial and cumulative pass rates for these exams.

From this work, we have arrived at recommendations both to improve the immediate implementation of state policies in this area and to assist the states in making sounder long-term policies as they seek to ensure that all students are able to earn a diploma.

Immediate Recommendations

- ▶ **States should increase funding to ensure that all students are prepared for the exams and are given assistance in preparing for re-takes of the exams if they do not pass on the first try.** In this report we have noted that several states initially provided remediation funds to assist students taking the exams after failing them, and that these states have cut back on this funding. If states want students to pass the exams, they must not only ensure that they are properly prepared for the first try but that they also have access to additional assistance to prepare for re-taking the exams.
- ▶ **With alternate pathways, there should be much greater communication to students and their parents about these different ways to secure a diploma.** Although these alternates are always meant to

be for a minority of students, all students should be aware that they can use alternate pathways, especially if they have already passed another qualifying exam or will have great problems taking a standardized multiple-choice exam.

- ▶ **States need to increase oversight of alternate pathways designed for students with disabilities.** In many states, it is the responsibility of local schools and districts to administer alternate pathways, to decide qualifications for graduation through the pathways, and to keep records of student performance. States have little information about how well the state-designed pathways serve their target student population. Consequently, states are not able to easily apply lessons learned from current policy implementation to inform future decisions.
- ▶ **States should collect and make public data on cumulative pass rates on these exams.** Trend analyses in this report heavily rely on initial pass rates because cumulative pass rates are not easily accessible in many states. Such information on cumulative pass rates, however, could have been very helpful for the public to understand the effects of these exams.

Long-term Research Recommendations

In Appendix A we summarize recent studies on the effects of these exams. Research is sparse in this area, as shown by the relatively few studies we list; and the findings of these studies are contradictory or at best mixed. Since these exams now affect more than two-thirds of American students, and soon will affect about three-fourths of students (when all the states have carried out their intended policies), much greater attention ought to be paid to understanding the effects of these exams.

Therefore, we recommend that the following questions be addressed comprehensively through research:

- Are these exams helping to prepare students for further education or employment after completion of high school? Since the states vary in their exams, are some state exams better than others in achieving this goal?
- Are students passing these exams in states with these policies better prepared for further education and employment than are students in states without such exam policies? If there are such effects, are they due to demographic factors or to the test policies or to some other factors?
- What impact are these exams having on curriculum, instruction, and student motivation to learn?
- Are students earning diplomas through alternate pathways less well prepared for further education or employment than are students passing the regular exams?
- Are policies requiring passage on these exams for receipt of diplomas leading to higher dropout rates from school?
- How can the rigor of different state exams be examined and publicized to encourage a fuller public understanding of these policies?
- If all or some of the states adopt common academic standards, what is the future for high school exit exam policies?

Study Methods

CEP used the following methods, explained in more detail in this section, to identify issues and collect information for this year's study:

- Conducted a detailed survey of all 26 states with current or planned high school exit exams
- Interviewed officials in Maryland, New Jersey, and Washington State who were familiar with the state high school exit exams
- Reviewed major research conducted by others on exit exams
- Kept abreast of important events related to exit exams

As in previous years of this study, CEP designed and conducted an annual survey of state department of education officials in the 26 states with current or planned exit exams. The survey was piloted with Maryland and was revised further based on comments and suggestions from that state. Respondents were designated by their state's chief state school officer and usually worked in the state assessment department. CEP staff partially filled in the survey, based on information collected and reported in 2008. In February 2009 we asked these designated officials to verify, update, and add information to survey forms for their state. All 26 states responded to our survey.

We used the states' survey responses to develop detailed profiles about exit exams in each of the 26 states, which the state contacts reviewed for accuracy. We also used the survey responses to tally the state exam features, policies, and actions that appear throughout the report. The state profiles are available on CEP's Web site at www.cep-dc.org.

Some states did not answer all the survey questions, often because the data were unavailable or their policies were in flux. (Exam policies are in flux for several reasons, but a main one is that state legislatures are under continuing and significant political pressure to moderate or ameliorate the effects of these exams.) In many states, we followed up with e-mails and phone calls to ensure the information in this report was accurate and up-to-date. However, some statistics or policies will undoubtedly have changed soon after publication because events in this field move quickly.

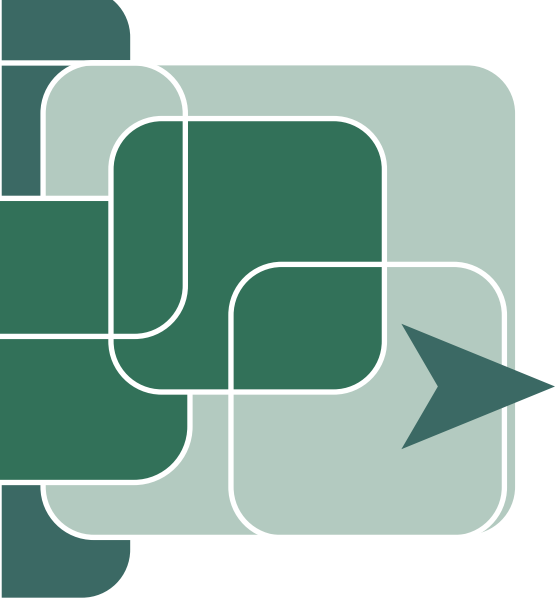
To further understand how exit exam policies evolve, we conducted open-ended, semi-structured interviews with officials in Maryland, New Jersey, and Washington State. These three states were chosen because of their different designs of alternate pathways, the recent public discussions about their exit exams, and the volatility of high school assessment policies in these states. Interviews were recorded, transcribed, verified by the interviewees, coded, and analyzed for themes.

In addition, we collected state and federal policy documents and reviewed relevant studies that were either published or publicized during the past year. We tracked media coverage of exit exams and searched state and U.S. Department of Education Web sites for exit exam developments and information.

To be included in this study, state exit exams had to meet the following criteria:

1. The state requires students to pass state exit exams to receive a high school diploma, even if the students have completed the necessary course work with satisfactory grades.
2. The exit exams are a state mandate rather than a local option—in other words, the state requires students in all local school districts to pass exit exams, rather than allowing districts to decide for themselves whether to make the exams a condition of graduation.

We have also included states that are phasing in exit exam policies that meet these criteria, referred to in this report as “planned” exit exams. By this we mean that the state has a legislative or state board directive to have a test in place between 2002 and 2012; has already begun developing the tests; and is piloting the tests with students, although diplomas are not yet being withheld.



Chapter 1: Evolution of Exit Exam Policies over the Past Eight Years

Since 2002, the Center on Education Policy (CEP) has been collecting extensive information about high school exit exams, including test characteristics, testing policies related to accountability and state assistance, and student performance on the exams. As the data accumulate, some general trends in exit exam policies have emerged.

This chapter summarizes exit exam policy changes across states over the past eight years (2001-2008 school years). It provides a longitudinal perspective on the evolving nature of state testing policy. In the past, CEP's annual reports focused on the policy changes within a single year. We realize that policy change often involves several years of effort, and an examination of the development of these changes can be instructive to future policy decision making. Unlike the "New Developments" chapters in the previous annual reports, this chapter synthesizes the changes over several years and across states in order to find underlying patterns of policy development. What actions have states taken to improve exit exam policies as they gain experience with the tests? Are there any commonalities in their actions?

The purpose of this report is not to identify the optimal design for high school testing policy. State policies are diverse, and even similar policies may yield divergent outcomes in different contexts. Our goal, therefore, is to acknowledge the diverse policy options and to discuss how each functions in its particular context.

Changes in Exit Exam Policies

For the past eight years, changes in exit exam policies reflect the states' struggles to set high standards and at the same time, make those high standards achievable and fair for schools. Many states have changed their standards and curricula and the way they use exit exams. When implementing the exit exam policies, states have been very careful about the way exit exams are introduced or phased in, making adjustments for students with special needs. In this chapter, we discuss in detail some common actions states have taken to develop exit exam policies, starting with updating standards and test purposes, followed by various phase-in approaches and adjustments for students with special needs. We also look at the role of external and peer review in shaping policy.

Changes in Standards and Curricula

Many states have changed their high school standards and curriculum in recent years to either meet federal requirements or respond to the public push for high school graduates' readiness for work or postsecondary education. Exit exams have been developed or revised to reflect new standards and curricula and to push the local implementation of these changes.



Changes in standards have inevitably resulted in various changes in exit exams. Alabama, for example, shifted the testing focus from basic skills to 11th-grade state standards in the late '90s as the state set out to pursue higher standards. Arizona introduced new test items in 2005 based on the state's new standards adopted in 2003 for reading and math and in 2004 for writing. North Carolina voted in 2005 to adopt new standards by including requirements for passing additional end-of-course (EOC) exams.¹ Mississippi revised its Algebra I and English II exams in 2007-08 to reflect the state's new curriculum frameworks. Tennessee also reported changes in its high school curriculum in 2008 and the alignment of EOC exams with the new curricula. In 2009, New Jersey approved revised core curriculum standards in six content areas and plans to phase in new graduation requirements to ensure college and work readiness over the next seven years (New Jersey Department of Education, 2009). Colorado, though not currently requiring exit exams, is considering revamping high school assessments in 2010 and changing its diplomas to reflect the new high school standards approved by the state school board and the higher education commission in July 2009 (Brown, 2009). While most changes have been toward increased rigor, some have narrowed the scope of tests. In 2004, California revised the blueprint for its mathematics test by replacing questions with less frequently encountered data display with more frequently encountered data display.

Expanded Purposes of Exit Exams

As accountability for student performance has increased over the years, the purposes of exit exams have expanded to be more relevant to teaching and school monitoring. In 2004, when CEP first began surveying states about the purposes for their exit exams, most states reported that the tests were to assess whether individual students have achieved competencies to be expected at the high school level. Only one state (South Carolina) reported that the purpose of exit exams was to “identify areas in which students need additional support and indicate the academic achievement for schools, districts and the State.” By 2009, all states except Alaska and Texas reported using part of the exit exams for federal accountability purposes; nine states use the exams to provide information to guide instruction; eighteen states indicate that they use performance data from high school exit exams to inform policy decisions; and most states reported using exit exams to evaluate school and district performance, encourage early identification of students needing additional instructional support, promote service to minority students, and help schools align curricula with state standards. The expanded use of high school exit exams signifies that exit exams play an increasingly important role in high school accountability.

By 2009, eleven states² included readiness for work and postsecondary education as a purpose of their exit exams. (In 2004, only one state, Georgia, indicated that its exit exam was aimed at certifying that students were prepared to enter the work force or college.) However, few external evaluations examine the relationship between student performance on exit exams and performance at work or in college. A study by the Center for Educational Policy Research found that state high school exams were generally at a level of challenge that was not sufficient for test scores to be good measures of student readiness for college (Brown & Conley, 2007). A study by Achieve (2004) also concluded that state exit exams did not adequately measure the necessary knowledge and skills needed for college and the work place.

Phase-in Approaches

States used various types of phase-in approaches to introduce new exit exam policies. The development of exit exams is often shaped by reactions received during early years of implementation; therefore, how exit exams are introduced and phased in sometimes plays an important role in policy formation.

¹ North Carolina fully transitioned to EOC exams in 2009. Please see the state's profile for detailed information.

² Arkansas, California, Indiana, Maryland, Minnesota, Nevada, New York, North Carolina, Oklahoma, Texas, and Washington.

Some states phase in exit exam requirements by allowing time between the year tests are first administered and the first year high school diplomas are withheld. Arkansas, for instance, began administering its EOC exams in the 2000-01 school year but will not withhold diplomas until 2010. On average, states start to withhold diplomas four years after the first administration of a new exit exam.

Other states phase in the exit exam policy by gradually increasing the number of subjects tested. English and mathematics are usually the first subjects tested. Though NCLB does not require exit exams for high school graduation, some states, such as Arkansas, Massachusetts, Nevada, and New Jersey, added exit exams in science in recent years to fulfill NCLB requirements for testing science at the high school level. Alabama included social studies as a test subject in 2004; Massachusetts voted in 2006 to test social studies as a required subject in 2012, but the state board voted to waive the requirement in 2009 for the classes of 2012 and 2013 (Valero, 2009).

Idaho exemplifies another phase-in approach that focuses on gradually increasing cut scores and aligning test content to standards at higher grade levels. It began administering the Idaho Standards Achievement Test (ISAT) as an exit exam in 2004. Its phase-in approach allowed the class of 2006 to pass the exam at an 8th-grade proficiency level, the class of 2007 at a 9th-grade level, and the class of 2008 at the full 10th-grade level.

Some states used a phase-in approach to introduce new tests or to transition from old to new tests. For example, Minnesota has been making the transition since 2006 from the Basic Skills Tests (BSTs) to the Graduation Required Assessments for Diploma (GRAD). The GRAD writing test replaced the Basic Skills written composition test in 2007; the GRAD reading tests replaced the Basic Skills reading test in 2008; and the GRAD mathematics test replaced the Basic Skills mathematics test in 2009.³ Mississippi adopted a similar approach when replacing its Functional Literacy Exams (FLE) with the Mississippi Subject Area Testing Program (SATP).

Adjustments for Special Groups

State exit exams are often under attack for the challenges they present to students with special needs. All states that mandate exit exams have made some modifications to their policy to accommodate students with disabilities. These policy accommodations include alternative assessments, alternative diplomas or certificates, and waivers. In this report, we consider all these modifications to be alternate pathways to graduation. We will discuss the development of alternate pathways in greater detail in Chapter 2.

Input from external and peer review provides important information for the changes described above. Though these different types of review serve distinctively different purposes, both have helped many states establish and consolidate their high school testing systems. While external reviews examine the quality, rigor, and alignment of exit exams with state standards, the peer review from the Department of Education (ED) ensures that exit exams used for NCLB purposes⁴ are in compliance with NCLB requirements.

Seventeen states have their exit exams reviewed by a third party, such as testing companies, evaluation specialists, or researchers at local universities. Conducted by specialists or test developers, external reviews report student performance and content alignment and vary widely in study scope and approach (CEP, 2006); nevertheless, the review provides empirical evidence for test validity and detailed analysis of student performance. For instance, Virginia conducted an alignment study in which researchers found that the State Standards of Learning (SOLs) for the EOC tests in Algebra I and II and geometry are inconsistent with the cognitive demand of the tests; the EOC reading test emphasizes some SOLs more than others (Abrams & McMillan, 2007). ED recommended in 2007 that the state develop and implement a plan to address the findings of the report.

³ It is reported in our survey that the state is still administering the BST tests in 2009. The mathematics and reading BSTs are administered as retests until the class of 2009 has graduated and sufficient notice of retirement of the exam has been given.

⁴ Of the 26 states, only Alaska and Texas do not use their exit exams for NCLB purposes.

States also organize special task forces and ongoing review by technical advisory committees for advice on specific state concerns. For example, in response to a higher-than-anticipated failure rate on the Graduation Required Assessments for Diploma (GRAD) in late 2008 and early 2009, Minnesota established a legislative task force to review the policy implications of the GRAD and its effect on high school graduation. In 2005, Maryland also established a task force to examine alternative assessment options for special education students and others unlikely to be able to demonstrate their mastery of state standards on the High School Assessments (HSAs), even with continued intervention. As a result, the state approved an alternate pathway to graduation called the Bridge Plan for Academic Validation in November 2007 and administered modified HSAs in 2008.

As 24 of the 26 states use at least part of the exit exams for NCLB accountability, recommendations from the U.S. Department of Education also play an important role in shaping state exit exam policies. The purpose of peer review by ED is to see if the state testing systems are in compliance with NCLB. ED has given full approval to ten⁵ of the 26 states through its peer review process. All ten states except Alaska⁶ include high school exit exams in the evaluation of state assessment systems.

Another ten states with exit exams earned the status of Full Approval with Recommendations, meaning that the state standards and assessment system meet all statutory and regulatory requirements, but some elements of the system could be improved.⁷ Most of the suggestions for improvement concern the use of alternative assessments for special education students and English language learners. For instance, in 2006 ED recommended that Arizona “strengthen its Arizona Instrument to Measure Standards Alternate (AIMS-A), expand the range of accommodations for English language learners and address discrepancies in test participation rates.” Another set of recommendations from ED to the states focuses on alignment between tests and standards. Idaho, for instance, was urged by ED in 2006 to conduct an alignment study of Idaho Standards Achievement Tests to examine “the level of success of the State’s major revisions and provide a basis for continued improvement.” A recommendation was also made to Indiana to “increase the rigor and challenge of the Graduate Qualifying Exam (GQE) in mathematics at grade 10 in terms of alignment to grade-level content standards.”

Three states that require exit exams for graduation (Mississippi, Nevada, and New Jersey) have not met the statutory and regulatory requirements of NCLB; they are currently designated as Approval Pending. Specifically pertaining to high school assessment systems, ED recommends that Mississippi and Nevada collect additional evidence for their high school exit exams, since they are used to meet NCLB requirements. In 2007, ED expressed concerns with the alignment of Nevada’s High School Proficiency Examination (HSPE) to grade-level content standards. ED also challenged the technical quality of Mississippi’s High School Alternative Assessment and its alignment with grade-level content standards.

State-mandated exit exams still face many challenges and are prone to revision. Recently, California’s budget crisis has pressured its budget conference committee in 2009 to propose eliminating high school exit exams as a graduation requirement (Mitchell, 2009); the provision was defeated, but California reinstated the exemption for students with disabilities pending development of some alternative form of assessment for these students. Alabama overhauled its graduation exams by replacing its comprehensive high school exit exams with EOC exams and the ACT⁸. Many states are still searching for a valid approach to evaluate the learning of special education students and English language learners. Last but not least, little is known about the connection between passing the high school exit exams and future job and college performance.

⁵ Alabama, Alaska, Georgia, Louisiana, Maryland, Massachusetts, Minnesota, Ohio, Oklahoma, and Tennessee.

⁶ Alaska uses the Grade 10 Standards-based Assessment for NCLB purposes instead of the Alaska High School Graduation Qualifying Exam.

⁷ Decision letters on states’ final assessment systems under NCLB can be found at www.ed.gov/admins/lead/account/nclbfinalassess/index.html. All citations in this section are quoted from state letters. All ten states include high school exit exams for peer review. States may use different cut scores for graduation and NCLB purposes.

⁸ Information retrieved on September 13, 2009, from www.al.com/news/birminghamnews/metro.ssf?/base/news/1252656964314590.xml&coll=2.

Diversity of Exit Exams

Most of the states in our study were no strangers to state testing before high school assessment was required for federal accountability purposes. Of the 26 states currently or soon to be withholding high school diplomas based on state exit exams, 18 had developed and started administering state tests at the high school level before the enactment of NCLB. Some states had more years of experience in high school testing than others. For example, North Carolina, New York, and Florida administered minimum-competency tests in the 1970s or earlier, while most of the other states started requiring high school testing in the late '90s or right before NCLB.

All 26 states mandated high school exit exams as a way to improve academic rigor and accountability. Since 2002, not only have more states administered high school exit exams, state high school exams have also become increasingly high-stakes for both students and schools. More states began withholding diplomas from individual students and using exit exams for both federal and state accountability at the school level. In 2009, seven states indicated that they use exit exams for both NCLB and additional state accountability purposes.

Exit exams are of three types: 1) minimum-competency tests that measure only a small body of knowledge and skills as defined by the state standards, 2) comprehensive tests that integrate content knowledge in several relevant courses together, or 3) End-of-Course (EOC) tests that gauge student learning at the end of specific courses. CEP (2008) identified a movement toward EOC exams in several states and analyzed the benefits and challenges of using EOC assessments. According to the report, state officials perceived EOC exams as more efficient in assessing content mastery, improving school accountability, and increasing alignment between standards and curriculum. However, because EOC exams involve numerous tests, they tend to present logistical challenges around score reporting and maintenance as well as schedules for tests, remediation, and retests. **Figure 2** illustrates states' use of the three types of exams at different time points.

High school exit exams may be aligned to various grade levels, ranging from 8th to 12th grade. Even if two states test the same subjects, the tests may differ greatly in content and difficulty. In addition to the different test types, the test results are often reported using different achievement levels—advanced/proficient/needs improvement/failing, pass with distinction/pass/low pass, or advanced/mastery/basic/approaching basic/unsatisfactory, to name a few—which reveal varying amounts of information on the level of achievement and the achievement gaps among students.

Most of the states require students to pass the exams in certain subject areas with specific cut scores, but some states permit students to graduate without passing every subject. For example, Maryland employs a compensatory scoring system so students may meet the graduation testing requirement by achieving a combined passing score on the four tests. Since May 2008, Alabama has adopted the credit-based endorsement system wherein students are required to take tests in five subject areas, but only need to pass three (reading, mathematics, and one other in science, language, or social studies) to graduate with “diplomas with endorsement.”⁹ Ohio and Texas also allow students who have passed part of EOC exams to graduate.

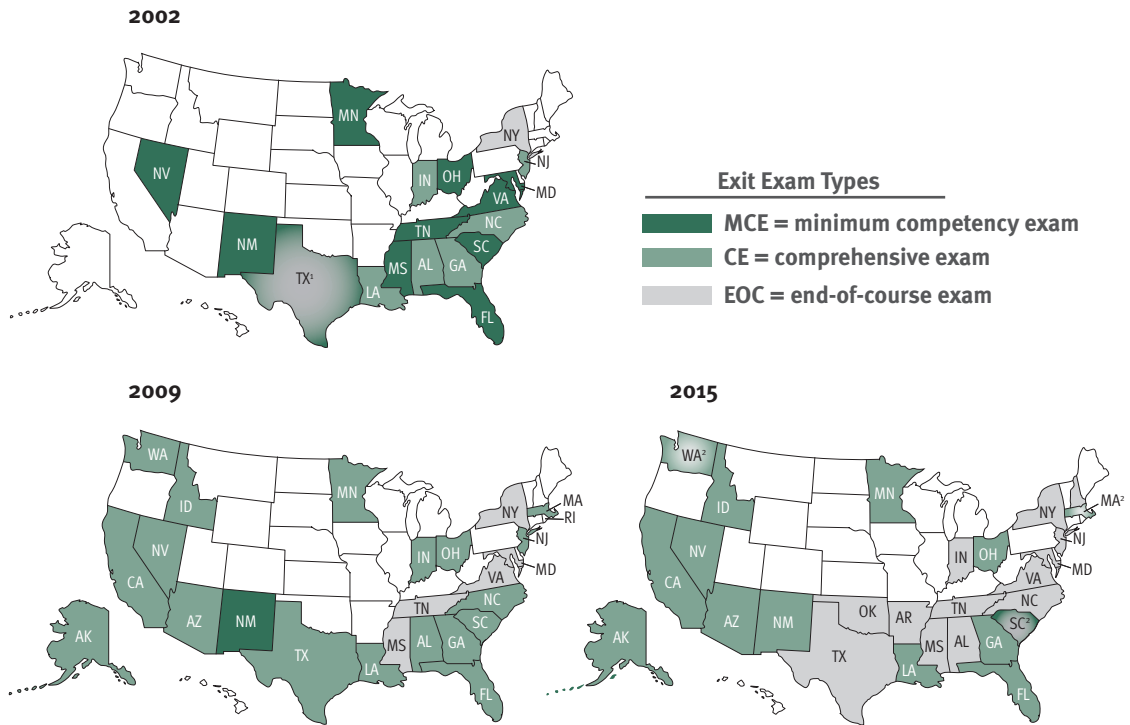
The cut scores for passing exit exams are not necessarily the same as the cut scores states use for reporting adequate yearly progress (AYP) under NCLB. As of 2009, of the 24 states that use high school exit exams for NCLB purposes, 14 use the same cut scores for graduation and NCLB proficiency, and 9 use lower cut scores for graduation than for NCLB proficiency.¹⁰ States also differ in terms of which test administration is used for NCLB. The majority of the states use student performance on the first administration of the tests for NCLB accountability purposes, but states such as Nevada, New York, and Tennessee count students' retest performance as well.

⁹ A regular diploma requires passage of all five tests. Students earning diplomas with endorsement are counted as graduates for school accountability purposes.

¹⁰ Alaska and Texas do not use high school exit exams to meet NCLB requirements. The cut scores in New Mexico are under consideration.

Figure 2

Types of Exit Exams States are Using or Plan to Use



16

State High School Exit Exams: Trends in Test Programs, Alternate Pathways, and Pass Rates

In 2002 (out of 18 states)

MCE:
FL, MD, MN, MS, NV, NM, OH,
SC, TN, VA (10 states)

CE:
AL, GA, IN, LA, NJ, NC, TX¹
(7 states)

EOC:
NY, TX¹(2 states)

In 2009 (out of 24 states)

MCE:
NM (1 state)

CE:
AL, AK, AZ, CA, FL, GA, ID, IN,
LA, MA, MN, NC, NJ, NV, OH,
SC, TX, WA (18 states)

EOC:
MD, MS, NY, TN, VA (5 states)

By 2015 (out of 26 states)

MCE:
(0 states)

CE:
AK, AZ, CA, FL, GA, ID, LA, MA²,
MN, NM, NV, OH, SC², WA²
(14 states)

EOC:
AL, AR, IN, MA², MD, MS, NC,
NJ, NY, OK, SC², TN, TX, VA, WA²
(15 states)

Figure reads: In 2002, 10 of the 18 states with fully implemented exit exams, including Florida, used minimum-competency exams, while 7 states, including Alabama, used comprehensive exams, and 2 states, including New York, used end-of-course exams. By 2015, none of the 26 states with mandatory exit exams will use minimum-competency exams, 14 will use comprehensive exams, and 15 will use end-of-course exams. Three states, Massachusetts, South Carolina, and Washington, will use a combination of comprehensive and end-of-course exams.

¹ In 2002, Texas gave students the option to pass either a CE or an EOC exam.

² By 2015, Massachusetts, South Carolina, and Washington will require students to pass the comprehensive exams plus end-of-course exams.

Source: Center on Education Policy, exit exam survey of state departments of education, August 2009.

The range of tested subjects has evolved since 2002 and varies widely across states. Some states, such as California, test only English language arts and mathematics, while graduation in states such as Tennessee now depends on tests in as many as ten subjects. Most states have increased the number of tested subjects since 2002. A major drive of the expansion is NCLB's requirement for including science in state assessments by 2007-08. In 2003, 8 of the 23 states with high school exit exams reported science as a tested subject for high school graduation purposes; in 2005, 16 of 25 states reported that they would use the existing science exit exams or develop new science exams to meet NCLB's requirement. As of 2009, 22 of the 26 states have tested or plan to test science in high school, though some states do not withhold diplomas for not passing the science tests.

As states test more subjects, the cost of state testing has become a concern. In 2009, the Massachusetts Board of Elementary and Secondary Education voted to waive the history and social science requirement for a Competency Determination (CD) for the classes of 2013 because of budget constraints (Massachusetts Department of Elementary and Secondary Education, 2009). The tests were scheduled for full operation in fall 2009, but officials expect "the FY2010 budget item pertaining to assessment to be lower than the amount in this year's budget, which would make the transition of the history tests cost-prohibitive." Florida has also cut testing budgets in 2009, citing financial pressures (Valero, 2009).

High school exit exams differ across states with regard to how much time a student has to take a test. Of the 26 states, 13 implemented power tests¹¹ that attach no time constraints at all. In Nevada, though the tests are timed, students are allowed to use as much time as they need to complete the exam. In other states, the total testing time ranges from 97 minutes (North Carolina's math tests¹²) to 194 minutes (Indiana's English language arts test). Some tests have multiple sessions or allow more time as an accommodation, and may continue for days.

One test design feature that states have in common is the use of multiple-choice test items. All states use multiple-choice questions in their tests, and some, such as Alabama, Idaho, Maryland, and Tennessee, use only multiple choice question items. In addition to multiple-choice items, 19 states include essay writing in their writing or English language arts tests. Of the 26 states, 16 use a combination of constructed-response and multiple-choice questions.

Item format is an important consideration for testing policy because it determines cost, communication of test results, teacher training and, most importantly, classroom instruction that prepares students for tests. As the current economic recession crimps state budgets, some states have pared constructed-response or extended-response test items. In 2008, Washington State Superintendent Randy Dorn defeated longtime school chief Terry Bergeson, an ardent supporter of the Washington Assessment of Student Learning (WASL), with a promise to make high school exams shorter and cheaper with fewer extended-response questions to shorten the turnaround time on test results. Computerized scoring, often used with multiple-choice test items, has also been embraced to save time, money, and staffing for the test administration. In 2005, 18 states reported that they relied on testing contractors to score constructed-response questions.

While designing a high-stakes, mandatory test is difficult, attaching consequences to test results is even more fraught with problems. In 2009, the Minnesota legislature decided to repeal the requirement that students must pass the mathematics test to earn a diploma, in fear of a precipitous drop in graduation rates. The daunting prospect of withholding large numbers of diplomas and the challenge of aligning exams to school curricula and state standards, along with public opposition to high-stake assessments, have led some states, such as Alaska, Arizona, California, and Maryland, to postpone the implementation of high school exit exams. States that have not required exit exams, such as Pennsylvania, have also had heated discussion about whether to do so. In June 2009, Pennsylvania put off developing state-mandated EOC exams because consensus could not be reached. The state board of education proposed a revised plan in July and the review board approved the state exit exams in October (Barnes, 2009; Mauriello, 2009; Hardy, 2009).

¹¹ In so-called "power tests," enough time is given for test takers to answer as many test items as they can.

¹² This high school competency test was eliminated in 2009.

State Assistance for Local Implementation of Exit Exams

The evolution of state exit exams suggests that, as the state testing systems are institutionalized, exit exams have become a powerful policy lever to influence teaching and learning in high schools. Since 2002, many states have reported increased technical support to districts and schools but decreased financial support for remedial programs.

In 2002, only half of the states required districts to have remediation services, let alone provided support with these services. When we first explored state assistance in 2003, most states delivered their support to schools through professional training, with an emphasis on test content, format, and the interpretation of test results. About one-third of the states (8 out of 25), provided students with study guides to tests, and fewer states provided teachers with resources for classroom instruction.

As of 2009, state assistance tied to exit exams that goes to teachers, schools, and districts has expanded dramatically. Some states have become more actively and directly involved in informing instruction, improving school leadership, and influencing curriculum. Eighteen states provide professional development for teachers that goes beyond test preparation, helping teachers become “more proficient in their content areas” to raise initial pass rates on the exit exams. Nineteen states reported that they provide assistance to schools in terms of helping schools identify and target students for assistance and/or implement comprehensive school reform. At the district level, 15 states reported that they assist districts in using formative assessment and/or improving the instructional leadership. Additionally, 14 states provide direct technical assistance for remediation programs for students who have failed the tests, and 10 states provide funding for remediation as well. A recent example is a special summer program sponsored by the Georgia Department of Education in 2009. The Project Exam Preparation for Science and Social Studies (Project ExPreSS) gives two weeks of intense instruction to students who narrowly missed passing the science and social studies portions of the Georgia High School Graduation Tests. Sixty-eight percent of participating students passed the portion they failed before (Fowler, 2009).

On the other hand, state budget data we collected indicates a significant decline in the amount of state funding for remediation programs. For example, Louisiana reported \$3 million funding for remediation for 2001-02 school year, and this budget had dropped to \$2,039,284 in 2008-09. South Carolina reported that its 2008-09 budget for remediation programs was at \$62 million, half of the amount schools received in 2004-05. In Massachusetts, funding for MCAS remediation was cut from \$50 million in fiscal year 2003 to \$7.65 million in 2005 and \$7.58 million in 2006. CEP’s high school exit exam report in 2006 suggested that remediation programs can be effective in improving passing rates if provided with adequate funding and efficient management. The decreasing state funding may diminish the benefits these programs offer to struggling students.

Conclusions

This chapter highlighted changes in high school exit exam policies in four different aspects: the changing standards and curriculum the tests are aligned to, the expanded purposes exit exams are designed for, the different phased-in approaches that introduce exit exam policy changes, and the test adjustments for students with special needs. Feedback on exit exams from external and peer review is an important factor shaping these changes. Despite some common changes in exit exam policies across states, exit exams remain diverse in terms of test features, such as grade levels tests are aligned to, tested subjects, test time, test item format, scoring, and the use of test outcomes. Lastly, in a number of states, provision of technical assistance has been increased for local implementation of exit exam policies, but at the same time, in a number of states financial support for remediation programs has decreased.



Chapter 2: Trends in Alternate Pathways to High School Graduation

The stakes for high school exit examinations are so high for students and schools that states are often pushed to employ additional policies to give more flexibility in determining whether students have met graduation requirements. Many states have responded by providing alternate pathways to graduation that give students options of ways to graduate from high school without passing the state-mandated exit exams. These pathways, usually for students with special needs or those with records of failing the exit exams, may give students additional opportunities to demonstrate their levels of knowledge and skills. The main goal of alternate pathways is to provide appropriate and reasonable options for students without creating loopholes that water down the value of the high school diploma. Therefore, discussions about alternate pathways in many states have centered on test equivalence and integrity as understood by the public to make the exit exam system more resilient.

This chapter provides an overview of the various state policies that offer alternate pathways to graduation. It also describes the challenges associated with alternate paths: adding flexibility to accountability while assuring test fairness and maintaining high standards. The term *alternate pathways* refers to options for students to graduate high school without passing the state-mandated regular exit exams. One design of alternate pathways is the use of *alternative tests* (or alternative assessments in some states) where regular exit exams are substituted by other standardized tests with similar or adapted formats and objectives. For instance, the alternate pathways in Washington State allow students to graduate through alternative assessments, such as SAT and ACT; the state's alternate pathways also include other options for graduation, such as portfolio assessment, grade comparison, and scores on Advanced Placement exams.

Multiple forces have shaped the development of alternate pathway policies. First and foremost is the desire to address the needs of students receiving special education services, English language learners, and other students who do not demonstrate their best performance on standardized tests. Unlike remediation, which seeks to prepare students to pass the exit exams after failure, alternate paths allow students to demonstrate their learning using different measures. Ideally, alternate path policies reflect a broader way of thinking about test validity and fairness to these students that goes beyond standardized tests, though some of them can be logistically and technically cumbersome.

A second motivation behind alternate path policy is the need to address concerns about making valid judgments about student learning based on standardized assessments, particularly for students with achievement around the cut score level. Multiple retake opportunities may ease such concerns, but may not be the most effective way for students to spend their learning time as they repetitively prepare for the same exams. States have adopted various approaches, such as alternative or substitute tests, flexible cut scores, and grade comparison, as explained later in this chapter, to ensure decisions made based on test results take other factors into consideration. Some of the alternate pathways, however, make exit exams more norm-referenced than criteria-referenced tests.



Alternate pathways are sometimes employed to avoid redundancy of testing. One example is the use of Advanced Placement (AP) tests as substitutes for exit exams. Maryland waives the exit exams for students who have earned satisfactory scores on corresponding AP exams¹³. The assumption is that satisfying AP scores provide evidence for students' mastery of a subject; therefore, students should not spend time preparing for the exit exams. Washington State offers a similar AP score option, but it does not relieve students of taking multiple tests. Students are not exempt from taking the state's exit exam, the WASL, but if they fail the WASL, they can still graduate if they have earned satisfactory AP scores. Few students take advantage of the AP score option because it is rare for students who score well on AP tests to fail the WASL in the first place. As other substitute tests, AP exams are not necessarily designed based on state content standards; states that adopt this approach need to verify the comparability of AP and exit exams.

Overall, alternate pathways try to address concerns about test validity and fairness, and at the same time to reach the same or a similar level of rigor as the regular state exit exams. Increasing flexibility without loosening standards is the central goal in designing and implementing alternate pathway policies.

We distinguish alternate pathways for general students from those for students receiving special education services because policies designed for these two student groups address different sets of concerns about standardized testing and are usually managed at different institutional levels in the education system. Alternate pathways for general education students can be categorized into four major types of designs: alternative assessments, portfolio assessments, waivers, and flexible cut scores.

Alternative and Portfolio Assessments for General Education Students

Nineteen¹⁴ of the 26 states with exit exams offer alternate pathways for general education students to graduate without earning passing scores in all tested subjects. **Table 2** summarizes the alternate pathways available to general education students in each of these 19 states. Compared to previous years, more states were able to provide CEP with detailed information about how general education students use different routes to graduate from high school. For example, some states were able to report the specific number of students using each of the multiple pathways. This will contrast somewhat with the data availability for students with disabilities presented later in the chapter.

All substitute and portfolio assessments reported in Table 2 lead to a regular diploma, which indicates that they are most likely to be accepted as comparable to the substituted exit exams. However, the limited number of students who took substitute and portfolio assessments in most states seems to suggest, among other things, that these tests are not necessarily easier than the regular exit exams.

The most commonly used substitute tests are published standardized tests, such as Advanced Placement exams, the PSAT, the ACT, the SAT, the CPT, and International Baccalaureate exams. States that picked the same tests may set different cut scores depending on the grade levels in which the replaced state-mandated exit exams are given.

Six states¹⁵ allow general education students to use substitute tests. Virginia and Washington reported less than 1% of students graduating through this route, while Florida reported 4.5% (about 7,110 students) satisfied the graduation test requirement through substitute tests.

New Jersey developed its own alternative assessments, Performance Assessment Tasks (PATs), which consist of all constructed response questions. As part of the state's Special Review Assessments (SRAs)¹⁶, PATs are

¹³ Maryland started withholding diplomas in 2008-09 and was not able to report the percentage of students who graduated using AP scores.

¹⁴ These states are: Arizona, Florida, Georgia, Idaho, Indiana, Maryland, Massachusetts, Mississippi, Nevada, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Virginia, and Washington.

¹⁵ The six states are Florida, Maryland, New York, North Carolina, Virginia, and Washington.

¹⁶ In 2009 the SRA was renamed the Alternate High School Assessment (AHSAs).

Table 2

Alternate Pathways for General Education Students to Graduate

	CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of All Students Who Graduated Through Alternate Pathways in 2008
AZ	Class performance	Students who completed high school and failed to pass one or more sections of the assessment can augment their scores with points derived from course grades of C or better.	Regular diploma	1,841 students (3%)
FL	Substitute tests	Criteria for alternate paths to graduation are prescribed in Florida law. Sections 1003.428(4)(b) and 1008.22(10), Florida Statutes, provide for the use of concordant scores from “widely used high school achievement tests” (e.g., PSAT, PLAN, ACT, SAT, CPT) in lieu of FCAT scores to satisfy Florida’s graduation test requirements in reading and math. The state’s Department of Education identifies concordant scores on applicable examinations for this purpose.	Regular diploma;	7,110 students graduated through an alternative assessment (4.5%)
		Students who do not meet the exit exam requirements may be awarded a certificate of completion instead of diploma.	Certificate of completion	9,299 students graduated with Certificate of Completion (as of Feb. 11, 2009)
GA	Waiver	The state has a waiver process that must be initiated by the student’s home school. All students are eligible for the waiver, but the waiver request must include documentation of limitations that would account for failing the test.	Certificate of attendance;	83 waivers (July 1, 2007-June 30, 2008)
	Flexible cut scores	A variance process allows an alternate means of demonstrating academic proficiency for students who have not been rendered incapable of passing a section of the GHS GT or the Georgia High School Writing Test (GHSWT). One of the five criteria for eligibility for a variance is obtaining a scale score that falls within one standard error of measurement of the passing score for the relevant section of the tests.	Regular diploma	1,398 variances (July 1, 2007-June 30, 2008)
ID	Class performance	Board rule allows each district to adopt an alternate route that requires courses to be offered to and completed by students. The courses must be valid and reliable and are required to be standards-based at 10 th grade. The board reviews these plans and keeps them on file.	Regular diploma	NA
IN	Waiver	Please see the state’s profile at eligibility criteria.	Regular diploma	5,061 students (8.4%)

Table 2

continued

	CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of All Students Who Graduated Through Alternate Pathways in 2008
MD	Substitute tests	Specific Advanced Placement (AP) and International Baccalaureate (IB) course exams are acceptable substitutes for specific HSAs provided students receive the specified MSDE-approved scores on the exams.	Regular diploma;	NA
	Portfolio assessment	The Bridge Plan for Academic Validation allows students who repeatedly fail the HSAs to instead complete assigned projects for the assessments that they are unable to pass.	Regular diploma; External high school diploma is available for students who have exited high schools	NA NA
MA	Portfolio assessment	MCAS Performance Appeals (portfolio and cohort) The student must demonstrate through course work that he or she meets or exceeds the English language arts and/or mathematics passing standard of 220 on grade 10 MCAS tests.	Regular diploma	314 students granted appeals
MS	Portfolio assessment	Students who fail a subject area test twice may submit an appeal for a evaluation that relies on other evidence to demonstrate their mastery of the subject.	Regular diploma	Less than 1% of students submitted appeals substitute
NV	Portfolio assessment	Students may pursue the alternate route to demonstrate proficiency for writing and science by submitting work completed during high school to meet the HSPE requirements.	Regular diploma	35 students attempted alternative writing assessment (0.13% of a total student population of 24,954)
		Students who do not demonstrate proficiency on all portions of the high school proficiency examinations can receive a certificate of attendance.	Certificate of attendance	NA
NJ	Alternative assessment	Students who fail one or both sections of the HSPA may go through a special review assessment (SRA) process that is designed to allow students to be assessed in the state standards through a series of extended performance tasks (i.e., all constructed response) aligned to the state content standards.	Regular diploma	11,513 students (11.5% of graduates)

continues ➤

Table 2

continued

	CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of All Students Who Graduated Through Alternate Pathways in 2008
NM	Waiver	The state allows districts to grant waivers of the exam requirement.	Certificate of completion	NA
	Portfolio assessment	In the 2010-11 school year, students will have an opportunity to offer an alternate demonstration of competency through a portfolio of standards-based indicators in any subject area that was not passed on the 11 th grade standards-based assessment. (22-13-1.1 NMSA)	Regular diploma	NA
NY	Substitute tests	Students who have completed the course in a subject tested by a Regents Examination may substitute a minimum acceptable score on a department-approved alternative examination (such as the SAT II, Advanced Placement, or International Baccalaureate exam) for a Regents Examination score.	Regular diploma	190 students met English language arts requirements (0.1% of graduates); 21 students met math requirements (0.001% of graduates)
	Flexible cut scores	An appeals process is available to students who have entered 9 th grade in September 2005 or later, have passed certain courses to prepare for a Regents Examination, have earned a 65 course average, and whose highest score on the Regents Examination is within three points of the 65 passing score.	Local or regents diploma	NA
NC	Substitute tests	For the list of acceptable alternative assessment, please see the state's profile at www.cep-dc.org .	Regular diploma	NA
		Students who do not receive a regular diploma may be awarded a certificate of achievement.	Certificate of achievement	NA
OH	Waiver	Please see the state's profile at www.cep-dc.org for detailed eligibility criteria.	Regular diploma	379 students (0.3% of graduates)
OK	Substitute tests	Alternate tests approved by the state board of education	Regular diploma	NA
	Portfolio assessment	End-of-course projects approved by the state board of education	Regular diploma	NA

continues ►

Table 2		continued		
CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of All Students Who Graduated Through Alternate Pathways in 2008	
SC		Students who do not pass the HSAP may receive a certificate of attendance issued by a school district.	Certificate of attendance	NA
		Students may receive a state certificate if they complete all credit requirements but have not passed the exit exams.	State certificate	NA
TN		Students who do not receive a regular diploma because they could not pass the exit exams are eligible to receive a certificate of attendance.	Certificate of attendance	NA
VA	Substitute tests	Students may earn verified credits by taking substitute tests. The substitute tests include the Advanced Placement, International Baccalaureate, SAT II, TOEFL, APIEL, Cambridge International Examination, ACT, and CLEP tests.	Standard diploma, advanced diploma, or a modified standard diploma	Less than 1% of students use the alternative assessments
		Students who do not meet the requirements for a diploma may receive a certificate of program completion, a general achievement diploma or earn a GED.	Certificate of program completion	0.51%
			General achievement diploma	Group below state definition for personally identifiable result
WA	Portfolio assessment	Assembling a collection of classroom-based evidence of a student's learning that includes specified work samples	Regular diploma	0.3% of graduates in reading, 0.1% in writing, and 1.8% in math
	Class performance	Comparing a student's grades in certain classes with the grades of other students who took the same classes and met the standard	Regular diploma	0.02% of graduates in reading, 0.02% in writing, and 0.5% in math
	Substitute tests	Meeting a specific cut score on the SAT, ACT, or PSAT tests. Scoring a 3 higher on select graduates in or Advanced Placement (AP) exams.	Regular diploma	Score on the SAT, ACT, or PSAT tests: 0.3% of reading, 0.1% in writing, and 0.9% in math; Advanced Placement (AP) exams 0% of graduates

Table reads: Florida allows general education students to take substitute tests as alternate pathways to graduate from high school. Students graduating through the substitute tests are eligible for a regular diploma. 7,110 students (approximately 4.5% of graduates in 2007-08 school year) satisfied the graduation test requirement through an alternative assessment (e.g., ACT/SAT). Students may also earn a Certificate of Completion. As of February 11, 2009, the state awarded 9,299 students with Certificates of Completion in 2007-08.

Source: CEP High School Exit Exam Survey, 2002-2009, Center on Education Policy, State Department of Education Web sites, email and phone inquiries with state department of education staff.

developed by the state and administered by the schools to students who repeatedly fail exit exams, even after additional instruction. Though the state assigns common cut scores, scoring rubrics, and guidelines, district-appointed SRA panels conduct the actual review and scoring. A greater-than-expected number of students have graduated through the SRAs process in the past few years, which raised state concern about the rigor of local policy implementation¹⁷. To curb increasing reliance on SRAs in the future, effective in 2009-10 the state will allow no more than 10% of students in a district to use this alternate pathway to graduate unless the district submits a plan that will increase the number of graduates using the HSPA. Though a much higher percentage than in most other states, the 10% threshold is considered fairly conservative, since the state SRA rate is about 11.5%. Over a hundred schools met this 10% threshold in 2008.

General education students in seven states¹⁸ also have the option to graduate through portfolio assessments, where students demonstrate mastery through a collection of work. The portfolio assessment in Maryland, called the Bridge Plan for Academic Validation, assigns project modules to students who repeatedly fail the High School Assessments (HSAs). These modules are designed to address areas where students have not fully demonstrated mastery in their HSA performance. The Collection of Evidence option in Washington State allows students who have failed the WASL in math, reading, or writing to show their skills tested on the WASL through a compilation of classroom work samples. These subject-specific work samples are developed under a teacher's supervision and must follow state guidelines for collection. Massachusetts allows students to request a portfolio assessment if they do not belong to a school cohort (6 students or more) that has taken the same sequence of courses. The portfolio includes work collected during one or more years in a subject area. The state specifies minimum components for English language arts, mathematics, and science and technology/engineering. In 2009, the Oklahoma State Board of Education also approved a policy that allows high school freshmen to demonstrate mastery through an end-of-course project. In all four states, the state departments of education determine if the evidence provided in the portfolio qualifies a student to graduate. Starting in the 2010-11 school year, students in New Mexico will also be able to demonstrate competency through portfolio indicators in subjects they failed to pass on the exit exams.

Waivers and Flexible Cut Scores Used By General Education Students

A more controversial set of alternate pathways excuses students from certain exit exams or allows them to graduate with lower cut scores. Georgia, Indiana, New Mexico, and Ohio offer waivers where students may graduate without passing exit exams if they meet all the other graduation requirements. For the waiver option, the eligibility criteria become particularly important to maintain the rigor of the state testing system, so states often attach specific conditions for using the waiver. In Ohio, for instance, diplomas are given to waived students only when they pass four of the five exit exams and the score on the fifth exam is no more than 10 scale-score points below the cut scores. In 2008, only 379 students (0.3%) in Ohio and 83 students in Georgia earned diplomas using the waiver.

Other states take a similar approach to flexible cut scores. The Georgia Board of Education, for instance, offers a variance process that enables students who failed to pass all exit exams to earn a diploma only if they obtained a scale score that falls within one standard error of measurement of the passing score. Students in New York may also appeal for permission to graduate with a local Regents Diploma if their test scores are within three points of the cut scores.

In contrast to substitute and portfolio assessments, waiver and flexible cut score policies often do not lead students to regular diplomas. In Georgia and New Mexico, for example, students who graduate using waivers earn certificates of completion or attendance rather than regular diplomas, which indicate that students met lower than standard high school criteria. Whether or not an alternate pathway results in regular diplomas is an important consideration in designing alternate pathway policies. It influences not only the

¹⁷ For more information, refer to www.njpsa.org/documents/NJDOE_SRA_Paper.doc

¹⁸ Maryland, Massachusetts, Mississippi, Nevada, New Mexico, Oklahoma, and Washington.

calculation of graduation rates that are tracked under state accountability systems, but more importantly a student's opportunity to pursue postsecondary education and a future career.

Of the 19 states with alternate pathways for general education students, 7 offer alternative diplomas for general education students who cannot pass all the exit exams or fully meet the state standards. Florida, Nevada, New Mexico, North Carolina, and Virginia offer both alternative diplomas and alternate pathways that lead to a regular diploma; South Carolina and Tennessee provide no alternate pathways to a regular high school diploma but grant certificates of attendance to students who fail the exit exams.

Alternate pathways in some states are designed to tie the exit exams more closely to class performance. In Idaho, for example, seniors who are enrolled in the fall semester and have not passed the exit exams may graduate by completing additional courses. The state reviews the course plans to make sure they are aligned to the 10th-grade standards. Arizona's augmentation policy allows students to add to their exit exam scores with points derived from course grades. Washington State uses a "grade comparison" option, where students who failed the exit exams can earn diplomas if they have a grade-point average equivalent to that of students at the same school who took the same course in mathematics or English and passed the exit exams. This option, however, is limited to students who have a 3.2 cumulative grade point average or higher across all courses.

Alternate pathways impact general education students to varying degrees across states. Some alternate pathways, such as the option to substitute Advanced Placement scores in Washington State, are barely used, while other pathways, such as the special review process in New Jersey, are used quite widely. Most states reported that a relatively small proportion of students graduated through alternate pathways, but the actual number of students can be quite significant. In Florida, for example, over 7,000 students graduated through an alternative assessment in the 2007-08 school year, although this number represents less than 5% of the overall graduates.

Alternate Pathways for Students with Disabilities

To meet NCLB requirements, students with disabilities must be included in state assessments, and for most of the 26 states mandating exit exams, the state assessments in high schools are exit exams. The alternate pathways, therefore, are mostly applied for *after* students with disabilities fail the exit exams. The remedial, instead of preventative, nature of alternate pathways also applies to general education students, but it tends to impact a higher percentage of students with disabilities because of the low pass rates with this student subgroup.

Compared to general education students, it is harder to collect information on students with disabilities using alternate pathways to graduation because decisions on students' qualifications for waiver or the designs of alternative assessment are often made at the local level, and states do not usually collect this information¹⁹. For example, the eligibility for waivers is usually determined by individualized education program (IEP) teams, and many states do not collect data on the number or the percentage of students with disabilities graduating with waivers.

Most states provide particular alternate pathways to students with disabilities in addition to the ones available for general education students. States have different policy designs to address the needs of students with disabilities. In tables 3 and 4 we highlight some of the specific alternate pathways. These pathways include variations of three policy designs, alternative assessments, portfolio assessments, and waivers.

Fourteen states offer alternative or portfolio assessment options (**table 3**). The alternative assessments in most states are tests with modified questions or aligned to modified standards. Some states, such as Alaska, Maryland, Oklahoma and Washington, make both forms available. Compared to waivers, more states allow students with disabilities to graduate with regular diplomas after passing alternative or portfolio assessments.

¹⁹ For example, Arizona, Minnesota, New Mexico, and North Carolina.

Table 3

Alternate Pathways for Students with Disabilities: Alternative Assessment, Portfolio Assessments, and Flexible Cut Scores

	CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of Students with Disabilities Using Alternative Assessments in 2008
AK	Portfolio assessment	The nonstandardized HSGQE consists of an extensive collection of work that reflects competency in each of the state standards tested in the HSGQE.	Regular diploma	NA
	Alternative assessment	The modified HSGQE is the regular exam, but students with disabilities may use modifications with state approval.	Regular diploma	NA
ID	Portfolio assessment	A student with disabilities may appeal for an alternate measure to reach graduation (district proposed or IEP recommended plan to collect evidence)	Regular diploma	NA
MD	Alternative assessment	A modified HSA, known as the “Mod-HSA” is available to students with disabilities whom the IEP team has determined eligible. The Mod-HSA is based on course level content standards and modified academic achievement standards.	Regular diploma	NA
	Alternative assessment	Those students with the most significant cognitive disabilities, for whom the IEP team has determined eligible, will participate in the Alternate Maryland School Assessment (Alt-MSA). The Alt-MSA is a portfolio assessment tailored to each student’s unique instructional needs in reading, mathematics, and science.	Maryland High School Certificate of Program Completion	NA
MA	Portfolio assessment	For the MCAS Alternate Assessment (MCAS-Alt) Competency Portfolio, the student must submit a portfolio that demonstrates knowledge and skills at grade-level expectations for a student in grade 10.	Regular diploma	NA
MN	Flexible cut scores	The individualized education program (IEP) team may set a different passing score on the BST.	Regular diploma	NA
	Alternative assessment	The IEP team may also decide an alternate assessment is best for the student and set performance criteria appropriate for the student.	Regular diploma	Writing: 798 test takers (1.2% of total population tested) Reading: 834 test takers (1.3% of total population tested) Math: 881 test takers (1.4% of total population tested)

Table 3

continued

	CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of Students with Disabilities Using Alternative Assessments in 2008
MS	Alternative assessment	Students with disabilities pursuing a regular diploma may participate in the High Stakes Alternative Assessment after their initial participation in subject area testing.	Regular diploma	Less than 1% of students with disabilities submitted a substitute evaluation
NJ	Alternative assessment	Students with severe cognitive disabilities take the alternate proficiency assessment (APA).	Regular diploma	548 (0.06%)
NM	Alternative assessment	Ability pathway: Students must take either the NMHSCE or the New Mexico alternate assessment and meet a competency level determined by the IEP team	Regular diploma	NA
	Flexible cut scores	Career readiness pathway: Students must take the NMHSCE and meet a competency level determined by the student's individualized education program (IEP) team.	Regular diploma	NA
NY	Alternative assessment	Regents Competency Test	Regular diploma	Math: 3,284 (1.7%); ELA: 2,958 (1.5%)
OH	Alternative assessment	Students with the most significant cognitive disabilities participate in the OGT Alternate Assessment in all five subjects, which consists of a collection of evidence to demonstrate students' performance aligned to extended grade-level standards.	Regular diploma	2,476 participated (11.4%)
OK	Alternative assessment	Assessments are available based on modified academic achievement standards for eligible students with disabilities in Algebra I, English II, Biology I, and U.S. History.	Regular diploma	NA
	Portfolio assessment	A portfolio assessment is available only for students with the most significant cognitive disabilities. The portfolio assessment scored against modified grade-level standards.	Regular diploma	NA
	Flexible cut scores	Students who have an IEP in accordance with IDEA may demonstrate mastery of state academic content standards through a modified proficiency score on the state assessment(s) as established by the IEP team.	Regular diploma	NA
SC	Alternative assessment	Students with serious cognitive impairments who cannot participate in the HSAP with accommodations or modifications may meet the criteria for taking the SC-Alt, an alternate assessment.	Certificate of attendance	NA

Table 3

continued

	CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of Students with Disabilities Using Alternative Assessments in 2008
TX	Alternative assessment	TAKS–Modified (TAKS–M), which is based on modified academic achievement standards	Minimum-standard diploma	NA
	Alternative assessment	TAKS–Alternate (TAKS–Alt), which is based on alternate academic achievement standards and designed for students with significant cognitive disabilities.	Minimum-standard diploma	NA
WA	Flexible cut scores	WASL-Basic, in which students take the high school WASL (with or without accommodations) but IEP teams adjust passing criteria to Level 2-basic proficiency.	Regular diploma	WASL-Basic: 1.0% in reading, 1.0% in writing, and 0.5% in math
	Portfolio Assessment	Washington Alternate Assessment System (WAAS)- Portfolio, in which students unable to take paper-and-pencil tests show their skills and knowledge through a collection of their work.	Regular diploma	WAAS-Portfolio: 0.5% in reading, 0.5% in writing, and 0.5% in math
	Alternative assessment	Developmentally Appropriate WASL (DAW), in which students in grades 11 and 12 only take the WASL (with or without accommodations) at the grade level that best matches their abilities.	Regular diploma	WAAS -DAW: 2.2% in reading, 1.7% in writing, and 2.3% in math

Table reads: Mississippi allows students with disabilities to take an alternative assessment to graduate from high school. Students with disabilities pursuing a regular diploma may participate in the High Stakes Alternative Assessment after their initial participation in subject area testing. Students graduating through the alternative assessment are eligible for a regular diploma. In 2008, less than 1 percent of students with disabilities submitted a substitute evaluation.

Source: CEP High School Exit Exam Survey, 2002-2009, Center on Education Policy, State Department of Education Web sites, email and phone inquiries with state department of education staff.

Officials in Washington State revealed in an interview with CEP that portfolio assessments can be costly. The classroom-based evidence option in Washington State, for instance, costs about \$600 per collection of student work, while the cost of a standardized WASL exam is about \$22 per student.

Twelve of the 26 states have waiver options for students with disabilities so they do not need to earn passing scores on the state exit exams to graduate (**table 4**). As with waivers for general students, some states are very specific about the graduation status that different waiver programs may lead to. Alabama, for instance, has two waivers for students with disabilities that lead to different graduation status. The state waives the requirements for passing exit exams, which results in an occupational diploma upon graduation. The state also allows the local school system to waive one subject area for students with disabilities; with passing scores in the other four areas, students are still able to earn a regular diploma.

Table 4

Alternate Pathways for Students with Disabilities: Waiver Options and Alternative Diplomas

	CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of Students with Disabilities Graduated Through Waiver in 2008
AL	Exempt from passing	Students with disabilities may receive an Alabama Occupational Diploma, which does not require passing the AHSGE	Occupational diploma	929 (34.9%)
	Exempt from participation in one subject	The school system may offer students with disabilities a waiver for one subject-area test in the student's major disability	Regular diploma	
AK		If a student does not achieve a proficient score on the HSGQE or the alternative assessment program, the student is eligible to receive a certificate of achievement if all other state and local requirements for graduation have been met. ²⁰	Certificate of achievement	NA
AZ	Exempt from passing	Students with disabilities may be exempted from having to pass AIMS to graduate from high school. Students with disabilities who are not exempt from passing the exam and who complete high school may qualify for AIMS augmentation.	Regular diploma	NA
AR	Exempt from passing	Students with disabilities may graduate based on their individualized education plan.	Regular diploma	NA
CA	Exempt from passing*	Local waiver request. CAHSEE may be waived for eligible students with disabilities. Students must be permitted to use any modifications specified in their individualized education program or Section 504 Plan. Modifications fundamentally alter what the test measures and can affect the comparability of scores.	Regular diploma	4,230 (11.2%)
FL	Exempt from passing	The FCAT requirement may be waived for students with disabilities who have not achieved a passing score on the exam after two attempts and have met all other requirements.	Regular diploma	3,157 (18%)
GA	Exempt from passing	Students with disabilities may apply for the general waiver.	Certificate of attendance	55 students
		A special education diploma is also available for students with disabilities who complete the requirements of their individualized education program.	Special education diploma	NA

²⁰www.eed.state.ak.us/tls/assessment/participation_guidelines/ParticipationGuidelinesSept2007.pdf

Table 4

continued

CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of Students with Disabilities Graduated Through Waiver in 2008
MD	For students with disabilities who do not pass the HSA and cannot meet the requirements for a diploma.	Maryland High School Certificate of Program Completion	NA
MS	Exempt from passing Students with disabilities must participate in subject-area testing for NCLB reporting, but these alternate paths do not require that students pass the subject area tests.	Certificate of completion or an occupational diploma	NA
NJ	Exempt from passing Some students with disabilities are exempt from passing—but not from taking—the HSPA, based on their individualized education program. Students who are designated as “IEP-exempt from passing” must take the exempt portions of the test at least once, but their scores will not affect their graduation status.	Regular diploma	NA
NM	Exempt from passing Career Readiness: Students must take the NMHSCE and meet a competency level determined by the student’s individualized education program team	Regular diploma	NA
	Exempt from passing Ability: Students must take either the NMHSCE or the New Mexico alternate assessment and meet a competency level determined by the IEP team	Regular diploma	NA
NC	Exempt from passing Students with disabilities who are following the occupational course of study (OCS) are not required to pass the competency test to receive a diploma. Only certain students with disabilities may participate in OCS, as determined by each student’s IEP team.	Regular diploma	NA
	Exempt from participation An IEP team or section 504 committee may determine that a student with disabilities participating in the college/university, college/technical, or career preparation courses of study will not participate in the competency test.	Graduation certificate	NA
OH	Exempt from passing The decision for an exemption is made by the individualized education program team on a test-by-test basis because the student has a curriculum that is significantly different in depth and breadth from the general education curriculum.	Regular diploma	NA

continues ➤

Table 4

continued

CEP Classification	State Survey Response	Diploma Eligibility	Number and Percentage of Students with Disabilities Graduated Through Waiver in 2008
SC	Students with or without disabilities who complete all course credit requirements but do not pass the exit examination are eligible for a state certificate.	State certificate	NA
VA	Students with disabilities who do not meet the requirements for a Standard or Advanced diploma but meet the credit and literacy and numeracy requirements established by the state board of education may receive a Modified standard diploma.	Modified standard diploma	2,044 (19.53%)
	Students with disabilities who do not meet the requirements for other diplomas but have completed the requirements of their individualized education program may receive a special diploma.	Special diploma	2,489 (23.79%)

Table reads: In Alabama, students with disabilities may graduate from high school with occupational diplomas without passing the Alabama High School Graduation Exams (AHSGE). In 2008, 929 students with disabilities (34.9% of all graduating students with disabilities) graduated with occupational diplomas. In Alabama, students with disabilities may be exempt from participating in one of the five subjects to graduate from high school with regular diplomas.

*Note: Beginning in the 2009-10 school year, students with disabilities will be exempt from meeting the CAHSEE requirement as a graduation requirement. More information can be found at www.cde.ca.gov/ta/tg/hs/cahseeABx4.asp. For more detailed information on requirements for the local waiver request please contact the California Department of Education.

Source: CEP High School Exit Exam Survey, 2002-2009, Center on Education Policy, State Department of Education Web sites, email and phone inquiries with state department of education staff.

In addition to alternative and portfolio assessments and waivers, some states use lower cut scores for students with disabilities, as in the case of New Mexico's Career Readiness Path, Minnesota's flexible pass scores decided by IEP teams, and Washington's WASL-Basic. Others use modified school curricula, such as North Carolina's Occupational Course of Study program that focuses on post-school employment and independent living. These policy approaches do not hold students with disabilities to the same state standards that are applied to general students, and they lead to a graduation status that may not be comparable to that received by general students who have passed all exit exams.

Comparing tables 3 and 4, we notice some differences between the option of alternative or portfolio assessments and waivers for students with disabilities. As shown in Table 3, three of the four states that reported percentage data, Mississippi, New Jersey, and Washington State, had less than 2.5% of students with disabilities who attempted or graduated through alternative assessment in 2008. In contrast, the three states that reported the percentage data in Table 4 show a much larger student population using waivers to graduate.

Alternate Pathways for English Language Learners

Few states with exit exams offer alternate pathways specifically for ELLs, though many of them allow specific testing accommodations for these students. While most of the states offer ELLs the same alternate pathways offered to general education students, Idaho and Minnesota have policies for students with limited experience in the U.S. education system. ELLs in Idaho may appeal for an alternate measure if they have been in the program for three years or less; if they successfully meet the requirements for this alternate pathway, they will be able to graduate with regular high school diplomas²¹. Minnesota allows districts to exempt ELLs from passing exit exams if they have been in the country for less than four years before graduation.

The Process of Shaping Alternate Path Policy in Three States

To understand the design and implementation of alternate pathways, we interviewed officials working with state high school assessment policies in Maryland, New Jersey, and Washington State. Appendix B explains the rationale for selecting these three states and describes policy background for each state.

The alternate pathway policies in these three states are shaped by recommendations from state advisory committees. The committees in these three states are composed of a broad selection of stakeholders, including representatives from higher education, state and county offices, the business community, advocacy groups, schools, and local education agencies. These committees are involved in the details of designing, implementing, revising, and evaluating the state testing programs. Washington, for example, has multiple advisory committees, and each committee focuses on a particular graduation option in the state testing system. One state official explains the role of advisory committees in Washington as follows:

[The committee members] determine if things are running; they will determine the procedural guidelines and recommend to the legislature if things need to be modified. They are our technical advisors in the area... Though the legislature determines whether students are qualified for diplomas, the CAA Option Advisory Committee would determine what strategies we need to take to prove equivalency [of different alternate pathways]. They would recommend to us what procedures are needed and what analyses would be needed to prove [the equivalency].

Since 2005, Maryland has relied on a special task force to examine alternative options for assessing special student subgroups, such as students with disabilities and English language learners. Since the establishment of its Bridge Plan program, the state's test design group has also worked with teachers to design project modules to ensure the equivalency of its alternate pathways to the regular state exit exams. The advisory committees in New Jersey have been guiding the development of the Special Review Assessment since the 1990s. They help the state education department collect information from the field about the best way to serve students and give advice on policy changes. Recently, the committee has been helping the state respond to criticism of SRA.

Criticisms of alternate pathways policies in these three states have focused on the potential threats alternate pathways pose to the rigor of student testing systems. New Jersey's state department of education issued a report in 2008²² that revealed its concern regarding the unexpectedly high number of students using the Special Review Assessment to graduate. This concern has precipitated a series of policy adjustments since the 2008 report. As the SRA heavily relies on districts for appropriate implementation, the state faces the challenge of making sure that the districts take the SRA materials seriously and treat them in a secure and confidential manner. One state official described the state's reliance on local implementation in this way:

²¹ For more detailed information see adm.idaho.gov/adminrules/rules/idapao8/o203.pdf, p.11.

²² The report can be found at www.njpsa.org/documents/NJDOE_SRA_Paper.doc.

SRA is locally administered and scored; there is much more latitude and trust invested with local districts. And we try to communicate the validity of diplomas resulting from that path; the validity of results is tied to the credibility of that process. We need them to make sure they take it seriously so that the results can be credible.

For states such as New Jersey, the monitoring strategy is critical because the implementation of alternate pathways is executed by districts and schools. Maryland has reported some promising monitoring strategies to oversee its Bridge Plan, which is also administered and scored at students' schools. In Maryland, a panel of graders makes recommendations to the local superintendent about students' qualifications for passing, and the state spot-reviews this local decision-making process to ensure that student projects demonstrate sufficient qualifications. The state not only gives specific rubrics for grading but also uses a review system to make sure student projects are graded appropriately and that the objectives of the project module are met as expected.

Maryland and New Jersey also reported providing professional training to strengthen local implementation of alternate pathways. Maryland organizes intensive training and publishes guides to explain the use of rubrics, shows samples of student projects, and specifies goals that need to be met under certain timelines. Similar training was also reported by New Jersey. As New Jersey transitions from comprehensive standardized tests to end-of-course exams, training for SRA will change accordingly. The state is planning to bring teachers together to score anonymous student work in future training sessions. In this way, teachers will be able to see student work in other schools, which may help even out differences in grading.

These strategies, however, do not fully address the challenges posed by locally implemented alternate pathways. All three states experience some degree of technical challenge in designing and developing alternate pathways. In Maryland, the amount of content-specific work involved in developing project modules has created tremendous pressure for state staff:

...It's a matter of state belt tightening and this is a whole new set of enormous tasks... of training and developing materials [and] the scoring rubrics. [The projects] require [students] to set up experiments or do significant research; they turn in pretty substantial sets of work ... It's a ton of work to make [projects] fresh and different each time, to also make sure that they're rigorous and in-depth enough to be meaningful.

Washington expressed similar technical challenges when it comes to specifying and communicating learning objectives for math. It has tried to solve the problem by posting sample problems on the state Web site; however, new concerns have ensued regarding the uniqueness of student work:

We have a number of high schools in the state where all the submissions from students are essentially the same, and at this point in time we don't necessarily think that that is teachers deliberately trying to cheat, but we think it's teachers, in a misguided sense of what the target is, thinking that, "So here are some math problems. If I can demonstrate that all the kids can do these math problems, then they will have met the criteria, and so, kids, let me teach you how to do these problems."

Despite the tremendous amount of work and technical challenges, none of the 26 states assigned more than four full-time equivalent staff members to develop, facilitate, and oversee alternate pathways. In some states, alternate pathways are considered local decisions, and no state staff is involved at all. Staffing needs may vary due to the diverse policies that require different lengths of time for reviewing evidence collected through alternate pathways. The time to review and make a decision on one student document ranges from an hour to a couple of weeks; the appeal process and communication of the results can further increase the work load and lengthen the time needed for implementing alternate pathways. Some states, such as New Jersey, rely on local staff, particularly when alternate pathways are administered by local schools and districts, but it can be difficult sometimes to recruit teachers to score student work.


Conclusions

Alternate pathways to graduation can serve as a way to address limitations of standardized assessments and to balance the state accountability system with a certain amount of flexibility. We see both strengths and weaknesses in the approaches states have taken with their alternate pathway policies. Portfolio assessments, for example, allow students to demonstrate their learning in a sometimes less stressful environment and pushes them to learn what they may not have mastered, but it is hard to gauge how comparable the portfolios are with the exit exams. The same dilemma exists for substitute tests. It is cheaper and more convenient for states to use the ACT or SAT than to develop state alternative assessments from scratch; however, these tests are not designed to reflect state curricula and standards; therefore, we must be cautious about comparing student performance on substitute tests with exit exams.

Other alternate pathway policies, such as flexible cut scores and waiver programs, may be more straightforward to implement with detailed descriptions of state rules and direct state oversight; unfortunately, they face some criticism that they lower graduation standards and reinforce or widen existing achievement gaps. In light of the important roles advisory committees play, officials in New Jersey recommended that states proactively connect with and consult relevant stakeholders in the early stage of developing alternate pathways to graduation so their approach can be scrutinized through multiple perspectives, preventing unnecessary complications for implementation.

As supplemental policies to add flexibility to state-mandated assessment, alternate pathways may prevent high school exit exams from denying many struggling high school students a bright future. We count on the future development of state data systems to learn more about how alternate pathways serve students with disabilities. We also hope to see more empirical evidence on how the provision of alternate pathways impacts student learning in high school, and how various graduation statuses through alternate pathways influence student development after high school.





Chapter 3: Trends and Gaps in Exit Exam Pass Rates

In this chapter we turn to the question of how student performance on exit exams has changed since the exams became mandatory for graduation. We are particularly interested in the degree to which the student pass rate on exit exams has increased and the extent to which the pass rate gap between different subgroups of students has changed. We use the initial pass rates—the percentage of students passing on their first attempt—as a proxy for student performance on the exit exams.

Given the variety of tested subjects and numerous policy changes in the 26 states studied, we focus on the initial pass rates in 16 states because they have reported their test results in our surveys for at least three consecutive years. We chose to focus on reading²³ and mathematics because both subjects are required for federal accountability purposes.²⁴ We also limit the data to years in which current exit exams were used to withhold diplomas.²⁵ Table 1 at the beginning of this report shows the years when the states began withholding diplomas based on their exams.

As discussed in Chapter 1, exit exams across states differ greatly in content, question format, and test difficulty levels. Such diversity makes initial pass rates in various states not directly comparable to one another. For instance, difficult test content and low student performance can both contribute to relatively low initial pass rates, but give completely different implications about the state's exit exams. Therefore, we can only compare a state with itself to see if it makes progress from year to year, and we can only do year to year comparisons in states where the exit exam remains unchanged for the years studied. We calculated the average annual growth by dividing the sum of annual changes in the initial pass rates by the number of years for which we had comparable data.²⁶ States are categorized by their amount of average annual growth.

Following the longitudinal trend analysis, we examine the average annual change in the initial pass rate gaps between various subgroups of students. Initial pass rates of African American and Latino students are compared to those of white students, and students eligible for free or reduced-price lunch are compared to all students. Initial pass rates of subgroups of students are limited to years when current exit exams were used to withhold diplomas. The average annual change in initial pass rate gaps reveals the pace at which such gaps narrowed on the state's exit exams. The faster the pace, the greater changes between subgroups in gaps and the narrower the state's gaps.

In comparing average growth or change in pass rates, we need to be cautious about drawing appropriate conclusions. A higher growth in initial pass rate may indicate a state's progress in student performance over time, but we cannot simply infer that student performance in the state's exit exams is better than that in other states with lower growth rates. We cannot conclude that students perform better in states with a high average annual change in gaps, because exit exams vary across states.

²³Reading is called English language arts (ELA) in some states.

²⁴Alaska and Texas use high school tests different from exit exams for NCLB.

²⁵For more detailed information on the year diplomas were first withheld based on current exit exams, refer to table 1, pp. 4-7.

²⁶Years of data vary across states because states first withheld diplomas based on current exit exams beginning in different years.

Initial pass rate is not a flawless measure of student performance. Some states, such as Alabama, allow students to take exit exams before they reach the grade level in which the exams are supposed to be first administered. As a result, the initial rates may include students who have taken tests before reaching the tested grades. Most states do not hold schools accountable for the initial pass rate; therefore, students may not demonstrate their best effort to pass on their first try, which is a limitation of using initial pass rates as a means to measure the outcome of testing policy.

Last but not least, some states show more or less improvement in initial pass rates or gap closing because of a dramatic change (increase or decrease) occurring in one year. Considering that many states started implementing current exit exams only a few years ago, such abrupt and unsustainable changes may skew our conclusions about some states' passage rates over time.

On the disk accompanying the printed version of this report and posted on the CEP Web site (www.cep-dc.org) are supplemental figures and tables that provide more detailed state by state information on initial and cumulative pass rates as well as information on the gap in pass rates between different subgroups of students.

Longitudinal Trends in Initial and Cumulative Pass Rates

The 16 states²⁷ included in the analysis show a wide range of change in initial pass rates over varied periods of time.²⁸ Some, such as the initial reading pass rate in Florida and Georgia, barely changed, while some, such as the initial math pass rate in Alaska and Nevada, fluctuate more than 10%. Such fluctuation can be either an increase or a decrease in pass rate.

We then took a closer look at the changes in initial pass rates in each subject area. Eleven of the 16 states showed an average annual growth in the proportion of students passing the test in reading and 13 states showed average annual growth in math. For initial pass rates in reading, Alaska and Nevada had an average annual increase of more than 3 percentage points in initial pass rates (**Table 5**). Six states showed average annual gains ranging from 1 to 3 percentage points, while initial pass rates in five states changed slightly over the years studied. The initial pass rates in Alabama, California, and New Mexico showed an average annual decrease of more than 1 percentage point.

In math, Louisiana, Nevada, and Tennessee had average annual increases in initial pass rates of more than 3 percentage points. Nine states showed average annual increases from 1 to 3 percentage points in initial pass rates. Initial pass rates in math decreased in California and slightly decreased in Indiana and New Mexico.

In five states, we also compared the initial and cumulative pass rates on exit exams. (Cumulative pass rates include the percentage of students who passed exit exams by the end of grade 12.) The analysis is limited to five states, due to not enough years of comparable test data or missing data in the other states. Fifteen states provided cumulative pass rate data for 2008, but many of them did not report data for 2006 and/or 2007. Some states report cumulative pass rates by subjects and subgroups; some report only certain subjects; some estimate ranges. Alabama, Arizona, California, Massachusetts, and Texas are included in the cumulative pass rate analysis since they provided both initial and cumulative pass rates from 2006 to 2008 in a consistent form and had relatively few changes in their exit exams and relevant policies.

In reading, cumulative pass rates in Alabama, California, Massachusetts, and Texas reached around 95% for the three years we studied. The difference between the initial and cumulative pass rate, however, varied by

²⁷Alabama, Alaska, Arizona, California, Florida, Georgia, Indiana, Louisiana, Massachusetts, Nevada, New Jersey, New Mexico, South Carolina, Tennessee, Texas, Virginia.

²⁸States began withholding diplomas based on student performance on their current exit exams in different years. Table 1 provides the beginning years we used for calculating annual average changes.

Table 5 Longitudinal Trends of Initial Pass Rates in Reading and Math

Reading	Math
States with more than 3 percentage points of average annual gain in initial pass rates	
AK, NV	LA, NV, TN
States with between 2 and 3 percentage points of average annual gain in initial pass rates	
LA	AK, MA, SC, TX, VA
States with between 1 and 2 percentage points of average annual gain in initial pass rates	
AZ, MA, SC, TX, VA	AL, AZ, FL, NJ
States with less than 1 percentage point of average annual gain in initial pass rates	
FL, NJ, TN	GA
States with average annual decrease in initial pass rates	
AL, CA, GA, IN, NM	CA, IN, NM

Table reads: Initial reading pass rates in Alaska and Nevada increased by an average of more than 3 percentage points annually. Initial math pass rates in Alaska, Massachusetts, South Carolina, Texas, and Virginia increased by an average of more than 2 but less than 3 percentage points annually.

Source: CEP High School Exit Exam Survey, 2002-2009, Center on Education Policy.

state. For example, the difference in California's initial pass rate compared to its cumulative pass rate was about 20 percentage points while the difference in Massachusetts was about 5 percentage points. From 2006 to 2008, the difference between the initial and cumulative pass rates in reading remained at 5 to 6 percentage points in Texas, narrowed from 3 to 1 percentage point in Massachusetts, and widened in Alabama, Arizona, and California. Arizona, for example, increased its cumulative pass rate by 8 percentage points, from 80% in 2006 to 88% in 2008, while its initial pass rates increased by 2 percentage points, from 71% to 73%.

In mathematics, the cumulative pass rates in Alabama, California, and Massachusetts were also about 95% from 2006 to 2008. The average difference between the initial and cumulative pass rates in Massachusetts was greater in mathematics than in reading—about 10 percentage points in math compared to about 5 percentage points in reading. The difference between California's initial and cumulative pass rates in mathematics was about the same as the difference in reading, about 20 percentage points. Cumulative pass rates were consistently lower in math than in reading in Arizona and Texas. From 2006 to 2008, the difference between the initial and cumulative pass rates in mathematics was kept at 10 percentage points in Alabama, narrowed from 8 to 6 percentage points in Massachusetts, and widened in Arizona, California, and Texas. For example, both initial and cumulative pass rates increased from 2006 to 2008 in Texas, but the growth in the initial pass rate over the three years was less than the growth in the cumulative pass rates over the same time period. As a result, the difference between initial and cumulative pass rates in Texas widened from 7 percentage points in 2006, to a difference of 9 percentage points in 2007, to an 11 percentage point gap in 2008.

Detailed tables and figures with information on each of the five states' initial and cumulative pass rates on reading and mathematics exit exams can be found on the disk accompanying this report and on the CEP Web site at www.cep-dc.org.

There are many possible reasons for the differences between initial and cumulative pass rates. For example, if the cumulative pass rate reflects a high proportion of students passing the exam, it may indicate that remediation programs are successful and that greater proportions of students are succeeding on subsequent re-takes of the test. It could also mean that some students took the exam before they had completed the appropriate courses that would help prepare them for the test. It may also indicate that students who failed to pass the test the first time they took it are increasingly reliant on pursuing additional preparation to help them pass the test. Fifteen states²⁹ indicated in our survey that they currently use the initial pass rate to determine adequate yearly progress (AYP) under NCLB. The initial pass rate weighs more for school accountability than for students who simply care whether they will eventually graduate. The deviation of school accountability from student accountability may have contributed to students' reliance on remediation and retake opportunities, which in turn increase the cost of exit exams, and schools' reluctance to communicate with students about state policies regarding alternate pathways (CEP, 2009).

The big difference between initial and cumulative pass rates in some states reveals that, of the high school graduates who pass the state exit exams, quite a few rely on additional help beyond teaching in everyday classes. A growing number of states have taken action in recent years by increasing assistance to the improvement of instruction and school leadership, as reported in Chapter 1. However, the persistence of big differences in pass rates in some states highlights the importance of identifying struggling students early and providing them with assistance before they fail the tests.

Gaps in Initial Pass Rates

The gap analysis³⁰ focuses on three student subgroups: African American and Latino students as well as students eligible for free or reduced-price lunch. At varying rates, most states have narrowed the gaps; however, initial pass rate gaps remain large for these subgroups.

Gaps Between African American and White Students

In 2008, African-American students in all of the 15 states³¹ analyzed have a lower initial pass rate than their white peers by 5 to 36 percentage points in reading and by 7 to 40 percentage points in mathematics across states. Looking across the 15 states, the gap in initial pass rates has narrowed annually by an average of 1.1 percentage points in reading and 1.7 percentage points in mathematics.

Table 6 shows that South Carolina, Louisiana, and Nevada narrowed the initial pass rate gaps in reading by an average of more than 3 percentage points every year. Gaps in seven states changed less than 1 percentage point. Annual changes in initial pass rate gaps have fluctuated in Alabama, Indiana, and Florida, but the average changes across years show widened gaps between African American and white students.

For mathematics, gaps in nine states narrowed by more than one percentage point per year. In three of the nine states, Louisiana, Massachusetts, and Tennessee, the gaps have closed by an average of more than 3 percentage points per year. Initial pass rate gaps between African American and white students in six other states have stalled for the past few years, four (Alabama, Georgia, Indiana, and New Jersey) with average annual gap narrowed by less than 1 percentage point, and two (California and Nevada) with slightly widened gaps. Annual gap changes have fluctuated in Nevada since 2004.

²⁹Alabama, Arizona, California, Florida, Georgia, Idaho, Indiana, Louisiana, Massachusetts, Mississippi, New Jersey, Ohio, Oklahoma, Tennessee, Washington. www.eed.state.ak.us/tls/assessment/participation_guidelines/ParticipationGuidelinesSept2007.pdf

³⁰Only initial pass rates are used to calculate gaps.

³¹This gap analysis is based on data drawn from 15 of the 16 states. New Mexico is not included in this analysis due to missing data for African American students in reading and math.

Table 6

Initial Pass Rate Gaps Between African American and White Students in Reading and Math

Reading	Math
States with more than 3 percentage points of average annual gain in narrowing the achievement gap	
LA, NV, SC	LA, MA, TN
States with between 1 and 3 percentage points of average annual gain in narrowing the achievement gap	
AZ, AK, MA, TN, VA	AK, AZ, FL, SC, TX, VA
States with less than 1 percentage point of average annual gain in narrowing the achievement gap	
CA, GA, NJ, TX	AL, GA, IN, NJ
States with less than 1 percentage point of average annual loss in narrowing the achievement gap	
AL, FL, IN	CA, NV

Table reads: Louisiana, Nevada and South Carolina narrowed the initial reading pass rate gaps between African American and white students by an average of more than 3 percentage points annually. Louisiana, Massachusetts, and Tennessee narrowed the initial math pass rate gaps between African American and white students by an average of more than 3 percentage points annually.

Source: CEP High School Exit Exam Survey, 2002-2009, Center on Education Policy.

Gaps Between Latino and White Students

In 2008, the initial pass rate gaps between Latino students and their white peers ranged from 6 to 27 percentage points in reading and from 5 to 28 percentage points in mathematics. Across the 15 states³², the gap has narrowed at an average annual rate of 1.5 percentage points in reading and 1.4 percentage points in mathematics.

Table 7 shows the pace at which the initial pass rate gaps in reading have narrowed in the 15 states. The initial pass rate gap between Latino students and their white peers in South Carolina has narrowed at an average annual rate of 6.7 percentage points since the state began withholding diplomas based on its High School Assessment Program (HSAP) in 2006. Initial pass rate gaps in Massachusetts and Nevada have also narrowed by more than an average of 2 percentage points every year. Both Massachusetts and Nevada have used their current exit exams to withhold diplomas since 2003. Indiana had a slightly widened initial pass rate gap in reading between Latino and white students due to their fluctuating annual gap changes.

For most of the 15 states, the average annual progress toward closing the Latino-white initial pass rate gap is greater in mathematics than reading. Gaps between Latino and white students in twelve states narrowed by more than 1 percentage point per year in mathematics. Massachusetts is closing its gap at an average of 3.2 percentage points per year. Three states showed less than a 1 percentage point change in closing the initial pass rate gap.

³²This gap analysis is based on data drawn from 15 of the 16 states. New Mexico is not included in this analysis due to missing data for Latino students in reading and math.

Table 7

Initial Pass Rate Gaps Between Latino and White Students in Reading and Math

Reading	Math
States with more than 2 percentage points of average annual gain in narrowing the achievement gap	
AK, MA, NV, SC	GA, MA, TX
States with between 1 and 2 percentage points of average annual gain in narrowing the achievement gap	
AZ, GA, TX, VA	AL, AK, AZ, FL, NV, NJ, SC, TN, VA
States with less than 1 percentage point of average annual gain in narrowing the achievement gap	
AL, CA, FL, LA, NJ, TN	CA, IN, LA
States with less than 1 percentage point of average annual loss in narrowing the achievement gap	
IN	

Table reads: Alaska, Massachusetts, Nevada, and South Carolina narrowed the initial reading pass rate gaps between Latino and white students by an average of more than 2 percentage points annually. Georgia, Massachusetts, and Texas narrowed the initial math pass rate gaps between Latino and white students by an average of more than 2 percentage points annually.

Source: CEP High School Exit Exam Survey, 2002-2009, Center on Education Policy.

Gaps Between Students Eligible for Free and Reduced-price Lunch (FRL) and All Students³³

In 2008, the average annual gap in initial pass rate between FRL and all students ranged from 4 to 18 percentage points in reading and from 5 to 18 percentage points in mathematics. Across the 16 states, the gap narrowed by an average of about 1 percentage point per year in both reading and mathematics. Alaska had an average rate of 4 percentage points in closing the gap in reading per year (**Table 8**). Half of the states have made little progress in closing the gap between FRL students and all students in reading. The gap in Alabama widened between 2003 and 2004 and remained steady since 2006. In mathematics, two states closed the gap by more than 2 percentage points, and all 16 states made some progress.

Conclusions

States have made progress in improving the overall initial pass rate and closing initial pass rate gaps between student subgroups, but that progress has varied across states and subject matter. Eight states increased their average annual initial pass rates for all students in mathematics by more than 2 percentage points compared to three states in reading. Five states showed a decrease in their initial pass rates in reading.

The gaps in initial pass rates between different subgroups of students are narrowing, but, remain daunting in both subjects. The average annual change in initial pass rate gaps is a measure that helps illustrate how well states have addressed achievement gaps in high-stakes exit exams. Initial pass rate gaps in most states narrowed, but at different rates. A few recent studies (See Appendix A) provide empirical evidence about the negative effects that exit exams have had on minority and disadvantaged students. It has become a key

³³We compare this subgroup to all students because many states do not report initial pass rates of students who are not eligible for free and reduced-price lunch.

Table 8

Initial Pass Rate Gaps Between FRL and All Students in Reading and Math

Reading	Math
States with more than 2 percentage points of average annual gain in narrowing the achievement gap	
AK, MA, NV, NJ, VA	GA, NJ
States with between 1 and 2 percentage points of average annual gain in narrowing the achievement gap	
AZ, GA, LA	AK, LA, MA, SC, TN, TX
States with less than 1 percentage point of average annual gain in narrowing the achievement gap	
CA, FL, IN, NM, SC, TN, TX	AL, AZ, CA, FL, IN, NV, NM, VA
States with less than 1 percentage point of average annual loss in narrowing the achievement gap	
AL	

Table reads: Alaska, Massachusetts, Nevada, New Jersey, and Virginia narrowed the initial reading pass rate gaps between FRL and all students by an average of more than two percentage points annually. Georgia and New Jersey narrowed the initial math pass rate gaps between FRL and all students by an average of more than two percentage points annually.

Source: CEP High School Exit Exam Survey, 2002-2009, Center on Education Policy.

consideration in the design of effective exit exam policy to mitigate the negative effects of high-stakes assessment on these students.

It would be fallacious to compare the pass rates directly and conclude that exit exams in a state are better simply because it has higher pass rates. Some states, such as Nevada and Arizona, have relatively low initial pass rates but faster average annual growth than some others.

Initial pass rate trends within each state reflect both progress and persistent gaps that need to be addressed more effectively in the future. If the ultimate goal of exit exam policies is to promote achievement of all students, states with initial pass rates that have not improved over time may need to reconsider their exit exam policies, particularly when there is a considerable proportion of students who are failing to pass and who are relying on remediation and re-take opportunities to pass the exams.

References

- Barnes, T. (2009). Senate panel shoots down new Pa. graduation exams. *The Pittsburgh Post-Gazette*. Retrieved on June 2, 2009, from www.post-gazette.com/pg/09153/974446-100.stm.
- Brown, J. (2009). Panels back ABCs of new grad criteria in Colorado. *The Denver Post*. Retrieved on July 7, 2009, from www.denverpost.com/search/ci_12727786.
- Brown, R., & Conley, D. (2007). Comparing state high school assessments to standards for success in entry-level university courses. *Educational assessment*, 12(2), p.137-160.
- Center on Education Policy. (2008). State high school exit exams: A move toward End-of-Course exams. Washington, DC: Authors.
- Center on Education Policy. (2009). Conflicts between state policy and school practice: Learning from Arizona's experience with high school exam policies. Washington, DC: Author.
- Fowler, E. (2009). Project ExPreSS nets huge dividends. *The Albany Herald*. Retrieved on July 15, 2009, from <http://albanyherald.com/print.asp?ArticleID=4085&SectionID=5&SubSectionID=33>.
- Hardy, D. (2009). Pa. votes final exam Keystone tests to get a diploma. *Philadelphia Inquirer*. Retrieved on October 26, 2009, from www.philly.com/inquirer/local/20091023_Pa_votes_final_exam_Keystone_tests_to_get_a_diploma.html.
- Jacob, B. (2001). Getting tough? The impact of high school graduation exams. *Educational Evaluation and Policy Analysis*, 23(2), 99-121.
- Jacob, B., & Dee, T. (2009). Do high school exit exams influence educational attainment or labor market performance? MI: Center for Local, State, and Urban Policy, University of Michigan.
- Martorell, F. (2005). Do high school graduation exams matter? Evaluating the effects of exit exam performance on student outcomes. University of California, Berkeley.
- Massachusetts Department of Elementary and Secondary Education. (2009). Education board votes to postpone history graduation requirement: Requirement waived for classes of 2012 and 2013. Retrieved on February 26, 2009 from www.doe.mass.edu/news/news.asp?id=4597.
- Mauriello, T. (2009). State scaling back exam required to graduate. *The Pittsburgh Post-Gazette*. Retrieved on July 15, 2009, from www.post-gazette.com/pg/09191/983003-298.stm.
- Mitchell, M. (2009). Budget committee considers cutting school exit exams. *The Desert Sun*. Retrieved on June 30, 2009, from www.mydesert.com/article/20090618/NEWS04/906180313/1006/newso1/Budget-committee-considers-cutting-school-exit-exams.
- New Jersey Department of Education. (2009). State board of education adopts revised high school graduation requirements and revised curriculum standards in six content areas. Retrieved June 30, 2009, from www.state.nj.us/education/news/2009/0617sboe.htm.
- Ou, D. (2009). To leave or not to leave? A regression discontinuity analysis of the impact of failing the high school exit exam. London: Centre for Economic Performance, London School of Economics and Political Science.
- Reardon, S., Atteberry, A., Arshan, N., & Kurlaeder, M. (2009). Effects of the California high school exit exam on student persistence, achievement, and graduation. CA: Institute for Research on Education Policy and Practice.
- Valero, M. (2009). FCAT Testing Faces More Budget Cuts. *Highlands Today*. Retrieved on April 7, 2009, from www2.highlandstoday.com/content/2009/apr/06/la-fcat-testing-faces-more-budget-cuts/.
- Warren, J., & Edwards, M. (2005). High school exit examinations and high school completion: evidence from the early 1990s. *Educational Evaluation and Policy Analysis*, 27(1), 53-74.
- Warren, J., Grodsky, E., & Lee, J. (2008). State high school exit examinations and post-secondary labor market outcomes. *Sociology of Education*, 81(1), 77-107.

Appendix A: Studies of High School Exit Exams in 2009

A few recent studies have looked at the effects of exit exams on high school graduation and dropout rates (Martorell, 2005; Jacob, 2001; Warren & Edwards, 2005; Ou, 2009). For example, Jacob and Dee's 2009 analysis of the 2000 census data shows that exit exams have a small but statistically significant impact on high school completion; their analysis of Common Core of Data shows that Minnesota's Basic Skills Tests (BST) improved student performance in 9th through 11th grade but increased the dropout rate of 12th graders who, in most cases, have failed the exam repeatedly. Reardon and colleagues (2009) compared district data on student achievement and graduation rates before and after the implementation of the California High School Exit Exam (CAHSEE). They found that the CAHSEE decreases the probability of graduation by 15% for 10th graders in the bottom quartile of achievement. The negative impact is larger on the graduation rate of minority low-achieving students, English language learners, and students eligible for free or reduced-price lunch. We summarize a few recent studies as additional resources for readers.

Warren and colleagues (2008) examined the effect of high school exit exams on labor force status or earnings. They found that the rate of postsecondary schooling was not significantly higher in states that required exit exams than in those that did not. Neither was there a significant difference in employment status and wage between high school graduates in states mandating exit exams and those in states that did not. The authors use data from the 1980-2000 U.S. census and the 1984-2002 outgoing rotation groups of the current population survey.

Ou (2009) analyzed data from the New Jersey High School Proficiency Assessment (HSPA) exam to look at the impact of the state's exit exams on student dropout rates. He found that students who barely fail the exam are more likely to drop out than students who barely pass it, indicating that passage or failure on the exam may sway students with comparable achievement levels toward or away from staying in school. The effect is more pronounced for racial minorities and economically disadvantaged students.

Jacob and Dee (2009) examined the impact of exit exams through analysis of two data sets. Using the 2000 Census Public Use Microdata Sample (2000 PUMS), they found that the presence of exit exams reduced the probability of completing high school among white male students and black students. Their analysis of Common Core of Data (CCD) showed that Minnesota's exit exams reduced the dropout rate in grade 10 and 11 but increased the rate in grade 12, particularly in districts with higher proportions of minority students.

Reardon and colleagues (2009) compared ELA test scores, persistence through 11th and 12th grade, and graduation rates of students who were not subject to exit exams with those of students who were in four large California districts (subject to the CAHSEE). They found that exit exams had modest negative effects or no effects at all on student persistence and achievement, but significant negative effects on graduation rates, particularly for minority students whose scores were in the bottom quartile.

Appendix B: Methods of Study

Multiple sources provide information on the 26 states' exit exams, including CEP's high school exit exam survey in 2009, CEP's annual and special reports on high school exit exams in the past seven years, policy documents from state departments of education, and reports from the U.S. Department of Education.

State profiles in CEP's 2002 report provide baseline information, and policy changes since then have been tabulated by state and year. The 2009 survey was administered from February 2009 to June of 2009 to state officials in the 26 states that mandate high school exit exams. The survey collected information on the features of high school exit exams and alternate pathways policies. All 26 states responded to the survey.

Based on data collected in these profiles, we group policy changes into five areas for analysis: historical policy background, test characteristics, student options, state support, and accountability. Themes of policy changes are identified through inductive coding, where we summarize changes across states and years in each of the five areas and then link these changes to see if common policy trends can be identified. We verify background and update policy status in our survey with designated state contacts, and follow news on high school exit exams—i.e. for this report generally from October 1, 2008 to July 15, 2009.

Selection of Interview States

In addition to the state surveys, CEP staff interviewed state officials in Maryland, New Jersey, and Washington State to examine in greater detail the design and implementation of alternate pathway policy in these states.³⁴ These three states were selected based on their designs of alternate pathways to graduation, the recent public debate about their high school assessment policy, and the volatility of state policy pertaining to high school exit exams.

Maryland

Beginning in 2009, Maryland requires all students to meet designated cutoff points on state High School Assessments (HSA) to graduate. To earn a high school diploma, students must pass all four grade-level tests in government, biology, English, and Algebra I or earn a combined score of 1602. In the meantime, the state department of education designed and offered an alternate pathway to graduation called the Bridge Plan to Academic Validation.

The Design of Alternate Pathways

The Bridge Plan is an alternative program through which students can earn their diploma if they failed one or more of the HSAs needed to graduate. The program was piloted in summer 2008 and requires students to complete one or more project modules in failed content areas. Students qualify for the Bridge Plan if they:

1. Have passed the HSA-related course
2. Have taken the specific HSA or mod-HSA test twice without passing or earning a combined HSA score of 1602
3. Are firmly on the path to completing all other local and state graduation requirements (including attendance), and
4. Have participated in approved assistance

³⁴See Appendix C for interview protocols.

After the local school system determines that a student will complete a project, a designated school staff member meets with the student and parent/guardian to design an Academic Validation Project Package. The number of projects required varies from one to seven and is determined based upon the size of the gap between a student's HSA score and the cut score needed to attain proficiency. All projects are linked to the Core Learning Goals and are supposed to be comparable to the HSA. Upon completion, a review panel established by the local school system reviews the project and provides recommendations to the local superintendent, who conducts a final review for approval or refusal of the student's work. If a student's package is refused, written feedback is provided to the student so revised work can be resubmitted at a later date.

Students with disabilities may meet graduation requirements by taking the Modified HSAs (Mod-HSAs), alternative assessments based on the same course content as HSA. They are also eligible to participate in the Bridge Plan, should they fail to meet the standards set for the Mod-HSA.

In December 2008, the Maryland State Board of Education set forth a limited waiver process for seniors who failed to meet the state's new graduation requirements. The waiver is designed for students "who were prevented from fulfilling the HSA requirement because of school system decisions regarding class scheduling, course sequencing, testing, process of interventions, or some other special circumstances."

The school principal may recommend the waiver or the family may request it. Local school systems' superintendents have the authority to either grant or deny the waiver, and the denials may be appealed to the state superintendent.

Maryland refers to a "Parallel Path," meaning that a student may be pursuing more than one pathway at any given time. For example, he or she may be attempting to pass the HSA exam (or Mod-HSA) and completing a Bridge Plan at the same time.

Recent Public Debate

Maryland is the most recent state to impose exit exams as graduation requirements; most of the debate has centered on whether or not there should be such a requirement. Many critics of the exam allege that having a high school exit exam encourages dropouts, a phenomenon that is ultimately detrimental to all involved.

The Bridge Plan is offered to reduce the possibility of misjudgment based solely on HSA requirements. The critics of the plan reflect public concerns over holding all students to the same standards; other critics voiced concern that the requirements of the Bridge Plan seemed unclear.

The Volatility of Policy

Maryland started administering HSAs in 2001. Many parents and students were not convinced that Maryland would enforce the HSA graduation requirement. As the school year progressed and people began to realize that the state was not going to back off the policy, they became concerned. In October 2008, the Maryland Board of Education reviewed the policy to require HSA for graduation and upheld its decision.

At the start of the 2008-09 school year, 50% of students with disabilities and 15% of English language learners had passed all four sections of the HSA exam. At the end of May 2009, fewer than 1,500 seniors had not met the HSA requirement.

New Jersey's High School Proficiency Assessment (HSPA) is a comprehensive standards-based test in language arts, mathematics, and science. The class of 2003 was the first required to pass the HSPA to earn a diploma. In 2009, the board of education voted to phase out the HSPA over time in favor of end-of-course assessments.

The Design of Alternate Pathways

Before Maryland passed the Bridge Plan in the 2008 legislature, New Jersey was the only state that allowed an alternate pathway to be administered and scored at the local level. SRA consists of two components, remedial course work and performance assessment tasks (PATs). Currently, teachers score these tests and districts audit the scoring. The test is untimed and is composed of open-ended questions (tasks). If students fail one task, they are given a chance to review and attempt another question. The SRA will be replaced with the Alternate High School Assessment.

Based on their individualized education program, some students with disabilities are exempt from passing—but not from taking—the HSPA. Students designated with “IEP-exempt from passing” will not be affected by their scores for graduation purposes.

Recent Public Debate

In 2007, 14.7% of graduates obtained a diploma through the SRA path. In some districts, more than three-quarters of students took advantage of SRA. The scoring at the local level caused some concern because there was little or no standardization of scoring and it could be highly subjective. The SRA was branded by critics as a loophole to graduation and as a false inflator of the state's high graduation rates. Businesses and higher education groups argued that SRA had devalued the high school diploma as an indicator of readiness for employment or college.

In 2008, the state department of education started requiring that districts in which 10% or more of the graduates need the SRA to attain their diploma submit a report analyzing their SRA student population and describing their plans to reduce their dependence on the SRA. A contracted vendor will distribute performance tasks directly to high schools and organize the process of scoring. These changes will become effective in 2009-10.

The Volatility of Policy

In order to address the massive criticisms of SRA, the board of education voted in 2006 to completely abolish the alternate pathway. In 2009, the board renamed the alternate pathway the Alternative High School Assessment (available in the 2009-10 school year), and amended the assessment in several ways. The timing of the test administration was shortened from over several months to only a few weeks. Also, districts in which 10% or more of high school students are using an alternate assessment to fulfill graduation requirements will be required to submit a plan that will increase the number of students using the HSPA to demonstrate academic achievement. Since New Jersey will be moving toward an end-of-course assessment program, this will also change the alternate pathway that is available to students. The state has yet to release details about this new plan.

Washington

The Washington Assessment of Student Learning (WASL) was first administered in 2003 and diplomas were first withheld in 2008. Students need to pass reading and writing tests and take the mathematics exam to meet graduation requirements.

The Design of Alternate Pathways

By 2008, the state legislature had approved four alternate methods to graduate from high school with a diploma noted as a Certificate of Academic Achievement (CAA):

1. **Collection of Evidence:** Assembling a collection of classroom-based evidence that includes specified work samples demonstrating that they meet grade-level academic standards;
2. **WASL/Grades Comparison:** Comparing a student's grades in certain classes with the grades of other students who took the same classes and met the standard (available only for 12th-grade students);
3. **College admission tests:** Meeting a specific cut score on SAT or ACT tests; or
4. **Advanced Placement (AP):** Scoring a 3 or higher on select AP exams.

For students with disabilities, the state developed several alternate options for graduation:

1. **WASL-Basic:** Students take the high school WASL (with or without accommodations) and IEP teams adjust passing criteria to Level 2 (basic proficiency);
2. **Washington Alternate Assessment System (WAAS) portfolio:** Students unable to take paper-and-pencil tests show their skills and knowledge through a collection of their work;
3. **Developmentally Appropriate WASL (DAW):** Students in grades 11 and 12 only take the WASL (with or without accommodations) at the grade level that best matches their abilities.
4. **Locally Determined Assessments:** 12th grade students who need modified achievement standards can pursue this option.

Recent Public Debate

The WASL has been a high-priority item after the election of a new state superintendent, Randy Dorn. The superintendent announced in January 2009 that WASL would be replaced in the spring of 2010 with tests that are shorter, have more rapidly reported scores, and contain data that will be more useful to teachers and parents. Little has been said about the future of the state's alternate pathway policy.

The Volatility of Policy

The previous superintendent of education, Terry Bergeson, implemented the WASL after much public debate. Bergeson's support of the WASL was the key issue in the 2008 election. The WASL went through many transformations and revisions before it arrived in its final state.

In 2009, Dorn began plans to change the WASL. Within a month of taking office he held a press conference to announce the changes discussed above. The superintendent has proposed several changes to the state assessment system. In spring 2010, the WASL may be replaced with the High School Proficiency Exams (HSPE). These new computerized exams may become mandatory in 2011. In addition to the sweeping changes that Dorn proposed, he also requested that the math and science graduation requirements for 2013 be removed until adequate standards and assessments are designed.

Appendix C: Interview Protocols

Alternate Paths

1. What is your role with the state department of education? (Previous positions, how long at the state department of education, etc.)
2. Please tell me briefly about the history of the state's alternate paths to graduation. How were alternate paths created? For example, through committees, seeking advice from other states, etc.
3. What is the rationale/premise for the design of these alternate paths? For example, to serve a target population (general students, students with disabilities, ELLs, etc.), to collect information to accommodate exit exam results, etc.
4. What strategies has the state adopted to ensure the proper use of these alternate paths? (Equivalence to regular exit exams, implementation oversight, technical training, and consideration of special student groups, etc.)
5. What are some of the challenges the state faces in implementing alternate paths? What has worked well, and what could be improved? In other words, what are the lessons/policy changes that other states could benefit from knowing? What do you think the state should be doing differently?

50

Impact of Policy Change

1. What are the rationales for policy changes in the past?
2. How have these changes impacted:
 - Organizational structure
 - Partnerships
 - Capacity (staff, finance, technical support)
3. What are some of the challenges the state is facing to implement exit exams?
4. Does the new graduation rate formula have any impact on high school exit exam policy? For example, data collection and reporting, etc. What changes does the state have to make to use the new graduation formula?
5. How do you envision the future development of exit exams in your state?



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