

# North Carolina

Grades 4 and 8 Public Schools



## State Reading 2011

This report provides selected results for North Carolina's public school students at grades 4 and 8 from the National Assessment of Educational Progress (NAEP) assessment in reading. Results are reported by average scale scores and by achievement levels (*Basic*, *Proficient*, and *Advanced*).

State-level results in reading are available for nine assessment years (at grade 4 in 1992 and 1994, and at both grades 4 and 8 in 1998, 2002, 2003, 2005, 2007, 2009, and 2011), although not all states may have participated or met the criteria for reporting in every year. All 50 states, the District of Columbia, and the Department of Defense Education Activity schools (DoDEA) participated in the 2011 reading assessment at grades 4 and 8.

For more information about the assessment, see the NAEP website <http://nces.ed.gov/nationsreportcard/> which contains

- *The Nation's Report Card, Reading 2011*
- The full set of national and state results in an interactive database
- Released test questions, scoring guides, and question-level performance data

NAEP is a project of the National Center for Education Statistics (NCES), reporting on the academic achievement of elementary and secondary students in the United States.

## KEY FINDINGS FOR 2011

### Grade 4:

- In 2011, the average reading score for fourth-grade students in North Carolina was 221. This was not significantly different from that of the nation's public schools (220).
- The average score for students in North Carolina in 2011 (221) was higher than that in 1992 (212) and was not significantly different from that in 2009 (219).
- In 2011, the percentage of students in North Carolina who performed at or above *Proficient* was 34 percent. This was not significantly different from that for the nation's public schools (32 percent).
- The percentage of students in North Carolina who performed at or above *Proficient* in 2011 (34 percent) was greater than that in 1992 (25 percent) and was not significantly different from that in 2009 (32 percent).
- In 2011, the percentage of students in North Carolina who performed at or above *Basic* was 68 percent. This was not significantly different from that for the nation's public schools (66 percent).
- The percentage of students in North Carolina who performed at or above *Basic* in 2011 (68 percent) was greater than that in 1992 (56 percent) and was not significantly different from that in 2009 (65 percent).

### Grade 8:

- In 2011, the average reading score for eighth-grade students in North Carolina was 263. This was not significantly different from that of the nation's public schools (264).
- The average score for students in North Carolina in 2011 (263) was not significantly different from that in 1998 (262) and was higher than that in 2009 (260).
- In 2011, the percentage of students in North Carolina who performed at or above *Proficient* was 31 percent. This was not significantly different from that for the nation's public schools (32 percent).
- The percentage of students in North Carolina who performed at or above *Proficient* in 2011 (31 percent) was not significantly different from that in 1998 (30 percent) and in 2009 (29 percent).
- In 2011, the percentage of students in North Carolina who performed at or above *Basic* was 74 percent. This was not significantly different from that for the nation's public schools (75 percent).
- The percentage of students in North Carolina who performed at or above *Basic* in 2011 (74 percent) was not significantly different from that in 1998 (74 percent) and was greater than that in 2009 (70 percent).

## Introduction

### What Was Assessed?

The content for each NAEP assessment is determined by the National Assessment Governing Board. The framework for each assessment documents the content and process areas to be measured and sets guidelines for the types of questions to be used. The development process for the reading framework required the active participation of teachers, curriculum specialists, subject-matter specialists, local school administrators, parents, and other members of the general public. The current framework is available at the Governing Board's website <http://www.nagb.org/publications/frameworks/reading-2011-framework.pdf>.

*The Reading Framework for the 2009 National Assessment of Educational Progress* replaced the framework that guided the 1992 reading assessment and subsequent reading assessments through 2007. Based on results from special analysis, it was determined that even with a new framework, the results from the 2009 reading assessment could still be compared to those from earlier assessment years. A summary of these analyses is available on the Web at [http://nces.ed.gov/nationsreportcard/reading/trend\\_study.asp](http://nces.ed.gov/nationsreportcard/reading/trend_study.asp). The 2011 NAEP reading assessment used the same framework used in 2009 and trends are reported from 1992 to 2011.

### Types of Text

The framework calls for the use of both literary and informational texts in the reading assessment. Literary texts include three types at each grade: fiction, literary nonfiction, and poetry. Informational texts include exposition, argumentation/persuasive, and procedural texts. The inclusion of distinct text types is aligned with the framework's definition of reading, which recognizes that students read different texts for different purposes.

#### Literary texts (all three types at each grade)

- Fiction
- Literary Nonfiction
- Poetry

#### Informational texts (varies by grade level – see procedural appendix for more detail)

- Exposition
- Argumentation and Persuasive Text
- Procedural Texts and Documents

### Cognitive Targets

All reading questions are aligned to cognitive reading behaviors applicable to both literary and informational text. The framework specifies three reading behaviors, or cognitive targets: locate/recall, integrate/interpret, and critique/evaluate. The term cognitive target refers to the mental processes or kinds of thinking that underlie reading comprehension.

- **Locate and recall:** When locating or recalling information from what they have read, students may identify explicitly stated main ideas or may focus on specific elements of a story.
- **Integrate and interpret:** When integrating and interpreting what they have read, students may make comparisons, explain character motivation, or examine relations of ideas across the text.
- **Critique and evaluate:** When critiquing or evaluating what they have read, students view the text critically by examining it from numerous perspectives or may evaluate overall text quality or the effectiveness of particular aspects of the text.

### Meaning Vocabulary

In addition, the framework calls for a systematic assessment of meaning vocabulary. Meaning vocabulary items function as both a measure of passage comprehension and a test of readers' knowledge of specific word meaning as used in the passage by the author.

### Assessment Design

The assessment contains reading materials that were drawn from sources commonly available to students both in and out of the school environment. These authentic materials were considered to be representative of students' typical reading experiences. Each student in the assessment was asked to complete two 25-minute sections, each consisting of a reading passage and associated questions. A combination of multiple-choice and constructed-response questions was used to assess students' understanding of the passages. Released NAEP reading passages and questions, along with student performance data by state, are available on the NAEP website at <http://nces.ed.gov/nationsreportcard/itmrls/>.

### Who Was Assessed?

All 50 states, the District of Columbia, and the Department of Defense Schools participated in the 2011 reading assessment at grades 4 and 8. In order for assessment results to be reported publicly, the overall participation rates for schools and students must meet guidelines established by the National Center for Education Statistics (NCES) and the National Assessment Governing Board. A participation rate of at least 85 percent for schools in each subject and grade was required. Participation rates for the 2011 reading assessment are available on the NAEP website [http://nationsreportcard.gov/reading\\_2011/participation.asp](http://nationsreportcard.gov/reading_2011/participation.asp).

The schools and students participating in NAEP assessments are selected to be representative both nationally and for public schools at the state level. The comparisons between national and state results in this report present the performance of public school students only. In NAEP reports, the category "nation (public)" does not include Department of Defense or Bureau of Indian Education schools.

## How Is Student Reading Performance Reported?

The 2011 state results are compared to results from eight earlier assessments at grade 4 and from six earlier assessments at grade 8.

**Scale Scores:** Student performance is reported as an average score based on the NAEP reading scale, which ranges from 0 to 500 for grades 4 and 8. Because NAEP scales are developed independently for each subject and for each content area within a subject, the scores cannot be compared across subjects or across content areas within the same subject. Results are also reported at five percentiles (10th, 25th, 50th, 75th, and 90th) to show trends in performance for lower-, middle-, and higher-performing students.

**Achievement Levels:** Based on recommendations from policymakers, educators, and members of the general public, the Governing Board has set specific achievement levels for each subject area and grade. Achievement levels are performance standards indicating what students should know and be able to do. They provide another perspective with which to interpret student performance. NAEP results are reported in terms of three achievement levels—*Basic*, *Proficient*, and *Advanced*—and are expressed in terms of the percentage of students who attained each level. The three achievement levels are defined as follows:

- *Basic* denotes partial mastery of prerequisite knowledge and skills that are fundamental for proficient work at each grade.
- *Proficient* represents solid academic performance for each grade assessed. Students reaching this level have demonstrated competency over challenging subject matter, including subject-matter knowledge, application of such knowledge to real-world situations, and appropriate analytical skills.
- *Advanced* represents superior performance.

The achievement levels are cumulative; therefore, students performing at the *Proficient* level also display the competencies associated with the *Basic* level, and students at the *Advanced* level also demonstrate the competencies associated with both the *Basic* and the *Proficient* levels.

As provided by law, NCES, upon review of congressionally mandated evaluations of NAEP, has determined that achievement levels are to be used on a trial basis and should be interpreted with caution. The NAEP achievement levels have been widely used by national and state officials. The reading achievement-level descriptions are summarized in figures 1-A and 1-B.

Figure 1-A	The Nation's Report Card 2011 State Assessment
	Descriptions of fourth-grade achievement levels for 2011 NAEP reading assessment

<b>Basic</b> Level (208)	Fourth-grade students performing at the <i>Basic</i> level should be able to locate relevant information, make simple inferences, and use their understanding of the text to identify details that support a given interpretation or conclusion. Students should be able to interpret the meaning of a word as it is used in the text.
--------------------------------	--

When reading **literary** texts such as fiction, poetry, and literary nonfiction, fourth-grade students performing at the *Basic* level should be able to make simple inferences about characters, events, plot, and setting. They should be able to identify a problem in a story and relevant information that supports an interpretation of a text.

When reading **informational** texts such as articles and excerpts from books, fourth-grade students performing at the *Basic* level should be able to identify the main purpose and an explicitly stated main idea, as well as gather information from various parts of a text to provide supporting information.

<b>Proficient</b> Level (238)	Fourth-grade students performing at the <i>Proficient</i> level should be able to integrate and interpret texts and apply their understanding of the text to draw conclusions and make evaluations.
-------------------------------------	---

When reading **literary** texts such as fiction, poetry, and literary nonfiction, fourth-grade students performing at the *Proficient* level should be able to identify implicit main ideas and recognize relevant information that supports them. Students should be able to judge elements of an author's craft and provide some support for their judgment. They should be able to analyze character roles, actions, feelings, and motivations.

When reading **informational** texts such as articles and excerpts from books, fourth-grade students performing at the *Proficient* level should be able to locate relevant information, integrate information across texts, and evaluate the way an author presents information. Student performance at this level should demonstrate an understanding of the purpose for text features and an ability to integrate information from headings, text boxes, and graphics and their captions. They should be able to explain a simple cause-and-effect relationship and draw conclusions.

<b>Advanced</b> Level (268)	Fourth-grade students performing at the <i>Advanced</i> level should be able to make complex inferences and construct and support their inferential understanding of the text. Students should be able to apply their understanding of a text to make and support a judgment.
-----------------------------------	---

When reading **literary** texts such as fiction, poetry, and literary nonfiction, fourth-grade students performing at the *Advanced* level should be able to identify the theme in stories and poems and make complex inferences about characters' traits, feelings, motivations, and actions. They should be able to recognize characters' perspectives and evaluate characters' motivations. Students should be able to interpret characteristics of poems and evaluate aspects of text organization.

When reading **informational** texts such as articles and excerpts from books, fourth-grade students performing at the *Advanced* level should be able to make complex inferences about main ideas and supporting ideas. They should be able to express a judgment about the text and about text features and support the judgments with evidence. They should be able to identify the most likely cause given an effect, explain an author's point of view, and compare ideas across two texts.

---

NOTE: The scores in parentheses in the shaded boxes indicate the lowest point on the 0-500 scale at which the achievement-level range begins.  
 SOURCE: National Assessment Governing Board. (2010). *Reading Framework for the 2011 National Assessment of Educational Progress*. Washington, DC: Author.

Figure 1-B	The Nation's Report Card 2011 State Assessment
	Descriptions of eighth-grade achievement levels for 2011 NAEP reading assessment

<b>Basic</b> Level (243)	Eighth-grade students performing at the <i>Basic</i> level should be able to locate information; identify statements of main idea, theme, or author's purpose; and make simple inferences from texts. They should be able to interpret the meaning of a word as it is used in the text. Students performing at this level should also be able to state judgments and give some support about content and presentation of content.
--------------------------------	---

When reading **literary** texts such as fiction, poetry, and literary nonfiction, eighth-grade students performing at the *Basic* level should recognize major themes and be able to identify, describe, and make simple inferences about setting and about character motivations, traits, and experiences. They should be able to state and provide some support for judgments about the way an author presents content and about character motivation.

When reading **informational** texts such as exposition and argumentation, eighth-grade students performing at the *Basic* level should be able to recognize inferences based on main ideas and supporting details. They should be able to locate and provide relevant facts to construct general statements about information from the text. Students should be able to provide some support for judgments about the way information is presented.

<b>Proficient</b> Level (281)	Eighth-grade students performing at the <i>Proficient</i> level should be able to provide relevant information and summarize main ideas and themes. They should be able to make and support inferences about a text, connect parts of a text, and analyze text features. Students performing at this level should also be able to fully substantiate judgments about content and presentation of content.
-------------------------------------	---

When reading **literary** texts such as fiction, poetry, and literary nonfiction, eighth-grade students performing at the *Proficient* level should be able to make and support a connection between characters from two parts of a text. They should be able to recognize character actions and infer and support character feelings. Students performing at this level should be able to provide and support judgments about characters' motivations across texts. They should be able to identify how figurative language is used.

When reading **informational** texts such as exposition and argumentation, eighth-grade students performing at the *Proficient* level should be able to locate and provide facts and relevant information that support a main idea or purpose, interpret causal relations, provide and support a judgment about the author's argument or stance, and recognize rhetorical devices.

<b>Advanced</b> Level (323)	Eighth-grade students performing at the <i>Advanced</i> level should be able to make connections within and across texts and to explain causal relations. They should be able to evaluate and justify the strength of supporting evidence and the quality of an author's presentation. Students performing at the <i>Advanced</i> level also should be able to manage the processing demands of analysis and evaluation by stating, explaining, and justifying.
-----------------------------------	---

When reading **literary** texts such as fiction, literary nonfiction, and poetry, eighth-grade students performing at the *Advanced* level should be able to explain the effects of narrative events. Within or across texts, they should be able to make thematic connections and make inferences about characters' feelings, motivations, and experiences.

When reading **informational** texts such as exposition and argumentation, eighth-grade students performing at the *Advanced* level should be able to infer and explain a variety of connections that are intratextual (such as the relation between specific information and the main idea) or intertextual (such as the relation of ideas across expository and argument texts). Within and across texts, students should be able to state and justify judgments about text features, choice of content, and the author's use of evidence and rhetorical devices.

NOTE: The scores in parentheses in the shaded boxes indicate the lowest point on the 0-500 scale at which the achievement-level range begins.

SOURCE: National Assessment Governing Board. (2010). *Reading Framework for the 2011 National Assessment of Educational Progress*. Washington, DC: Author.

### Assessing Students With Disabilities and/or English Language Learners

Testing accommodations, such as extra testing time or individual (rather than group) administration, are provided for students with disabilities (SD) or English language learners (ELL) who could not fairly and accurately demonstrate their abilities without modified test administration procedures. In 1996, administration procedures were introduced at the national level allowing certain accommodations for students requiring such accommodations to participate.

In state NAEP reading assessments prior to 1998, no testing accommodations or adaptations were permitted for SD or ELL students. In 1998, NAEP was administered using a split sample of schools—one sample in which accommodations were permitted for special-needs students who normally received them and another sample in which accommodations were not permitted. Therefore, there were two different sets of results available for 1998, and both are shown in the tables in this report. Results for the assessment years where accommodations were not permitted in state NAEP reading assessments (1992 and 1994) are reported in the same tables as the results where accommodations were permitted (1998, 2002, 2003, 2005, 2007, 2009, and 2011).

Even with the availability of accommodations, however, some students may still be excluded from the NAEP assessment. Due to differences in policies and practices regarding the identification and inclusion of SD and ELL students, variations in exclusion and accommodation rates should be considered when comparing students' performance over time and across states. The types of accommodations used in the 2011 NAEP reading assessment are available on the NAEP website at [http://nationsreportcard.gov/reading\\_2011/type\\_accomm.asp](http://nationsreportcard.gov/reading_2011/type_accomm.asp)

### Interpreting Results

The scores and percentages in this report are estimates based on samples of students rather than on entire populations. In addition, the collection of questions used at each grade level is only a sample of the many questions that could have been asked to assess the skills and abilities described in the NAEP framework. Comparisons over time or between groups are based on statistical tests that consider both the size of the differences and the standard errors of the two statistics being compared. Standard errors are margins of error, and estimates based on smaller groups are likely to have larger margins of error. The size of the standard errors may also be influenced by other factors such as how representative the assessed students are of the entire population. Statistical tests that factor in these standard errors are used to determine whether the differences between average scores or percentages are significant. All differences were tested for statistical significance at the .05 level using unrounded numbers.

NAEP sample sizes have increased since 2002 compared to previous years, resulting in smaller standard errors. As a consequence, smaller differences are detected as statistically significant than were detected in previous assessments. In addition, estimates based on smaller groups are likely to have relatively large standard errors. Thus, some seemingly large differences may not be statistically significant. That is, it cannot be determined whether these differences are due to sampling error, or to true differences in the population of interest.

Differences between scores or between percentages are discussed in this report only when they are significant from a statistical perspective. Significant differences between 2011 and prior assessments are marked with a notation (\*) in the tables. Any differences in scores within a year or across years that are mentioned in the text as "higher," "lower," "greater," or "smaller" are statistically significant.

Score or percentage differences or gaps cited in this report are calculated based on differences between unrounded numbers. Therefore, the reader may find that the score or percentage difference cited in the text or tables may not be identical to the difference obtained from subtracting the rounded values shown in the accompanying tables or figures.

The reader is cautioned against making simple causal inferences between student performance and the other variables (e.g., race/ethnicity, gender, and type of school location) discussed in this report. A statistically significant relationship between a variable and measures of student performance does not imply that the variable causes differences in how well students perform. The relationship may be influenced by a number of other variables not accounted for in this report, such as family income, parental involvement, or student attitudes.

## NAEP 2011 Reading Overall Average Score and Achievement-Level Results for Public School Students

Overall reading results for public school students from North Carolina are reported in this section, as well as regional and national results. The regions defined by the U.S. Census Bureau are Northeast, South, Midwest, and West (<http://nces.ed.gov/nationsreportcard/hsts/tabulations/regions.asp>). Trend data by region are not provided for assessment years prior to 2003.

Prior to 1998, testing accommodations were not provided for students with special needs in NAEP state reading assessments. For 1998, results are displayed for both the sample in which accommodations were permitted and the sample in which they were not permitted. Subsequent assessment results were based on the more inclusive samples. In the text of this report, comparisons to 1998 results refer only to the sample in which accommodations were permitted.

### Overall Scale Score Results

Student performance is reported as an average score based on the NAEP reading scale, which ranges from 0 to 500 for grades 4 and 8.

Tables 1-A and 1-B show the overall performance results of grades 4 and 8 public school students in North Carolina, the nation (public), and the region. Prior to 2003, the list of states that comprise a given region for NAEP differed from the list used by the U.S. Census Bureau, which has been used in NAEP from 2003 onward. Therefore, the data for the state's region are given only for 2003, 2005, 2007, 2009, and 2011. The first column of results presents the average score on the NAEP reading scale. The remaining columns show the scores at selected percentiles. Percentiles indicate the percentages of students whose scores fell at or below a particular score. For example, the 25th percentile demarks the cut point for the lowest 25 percent of students within the distribution of scale scores.

### Grade 4 Scale Score Results

- In 2011, the average scale score for students in North Carolina was 221. This was not significantly different from that of students across the nation (220).
- In North Carolina, the average scale score for students in 2011 was not significantly different from that in 2009 (219). Similarly, the average scale score for student in public schools across the nation in 2011 was not significantly different from that in 2009 (220).
- In North Carolina, the average scale score for students in 2011 was higher than the scores in 1992, 1994, 1998, 2005, and 2007. However, it was not significantly different from the scores in 2002, 2003, and 2009.

### Grade 8 Scale Score Results

- In 2011, the average scale score for students in North Carolina was 263. This was not significantly different from that of students across the nation (264).
- In North Carolina, the average scale score for students in 2011 was higher than that in 2009 (260). Similarly, the average scale score for student in public schools across the nation in 2011 was higher than that in 2009 (262).
- In North Carolina, the average scale score for students in 2011 was higher than the scores in 2005, 2007, and 2009. However, it was not significantly different from the scores in 1998, 2002, and 2003.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
1-A**

Average scale scores and selected percentile scores in NAEP reading for fourth-grade public school students, by year and jurisdiction: Various years, 1992–2011

Year and jurisdiction		Average scale score	10th percentile	25th percentile	50th percentile	75th percentile	90th percentile
1992 <sup>1</sup>	Nation (public)	215 *	168 *	192 *	217 *	240 *	259
	North Carolina	212 *	163 *	187 *	214 *	238 *	258 *
1994 <sup>1</sup>	Nation (public)	212 *	156 *	187 *	217 *	241 *	261
	North Carolina	214 *	162 *	188 *	217 *	243	263
1998 <sup>1</sup>	Nation (public)	215 *	165 *	192 *	218 *	242 *	261
	North Carolina	217 *	172	195 *	219 *	241 *	260 *
1998	Nation (public)	213 *	161 *	189 *	215 *	241 *	260 *
	North Carolina	213 *	161 *	190 *	216 *	240 *	259 *
2002	Nation (public)	217 *	169 *	194 *	219 *	242 *	261 *
	North Carolina	222	180	200	222	244	263
2003	Nation (public)	216 *	167 *	193 *	219 *	243 *	262 *
	South <sup>2</sup>	215 *	167 *	192 *	217 *	241 *	261
	North Carolina	221	175	198	223	246	265
2005	Nation (public)	217 *	169 *	194 *	220 *	243 *	262 *
	South <sup>2</sup>	217 *	171 *	194 *	219 *	241 *	260 *
	North Carolina	217 *	170	193 *	219 *	242 *	261
2007	Nation (public)	220	173	198	222	244	263
	South <sup>2</sup>	219	175	198	221	242 *	261 *
	North Carolina	218 *	173	196 *	220 *	242 *	260 *
2009	Nation (public)	220	173	198	222	244	263
	South <sup>2</sup>	220	176	198	221	243	261
	North Carolina	219	173	197	222	244	262
2011	Nation (public)	220	173	198	223	245	263
	South <sup>2</sup>	220	175	199	222	244	262
	North Carolina	221	174	200	225	246	265

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
1-B**

Average scale scores and selected percentile scores in NAEP reading for eighth-grade public school students, by year and jurisdiction: Various years, 1998–2011

Year and jurisdiction		Average scale score	10th percentile	25th percentile	50th percentile	75th percentile	90th percentile
1998 <sup>1</sup>	Nation (public)	261 *	215 *	240 *	264	286	304
	North Carolina	264	223	244	266	286	302
1998	Nation (public)	261 *	214 *	238 *	264	285	303
	North Carolina	262	218	242	265	286	303
2002	Nation (public)	263	219	242	265	286	303 *
	North Carolina	265	224	245	267	287	304
2003	Nation (public)	261 *	215 *	240 *	264 *	286 *	304 *
	South <sup>2</sup>	259 *	214 *	238 *	261 *	283 *	301
	North Carolina	262	218	240	263	285	303
2005	Nation (public)	260 *	214 *	238 *	263 *	285 *	303 *
	South <sup>2</sup>	258 *	212 *	236 *	260 *	282 *	301 *
	North Carolina	258 *	212 *	236 *	261 *	283	301
2007	Nation (public)	261 *	216 *	240 *	264 *	285 *	303 *
	South <sup>2</sup>	260 *	216 *	239 *	262 *	283 *	301 *
	North Carolina	259 *	212 *	238 *	263	284	301
2009	Nation (public)	262 *	218 *	242 *	265	286 *	304 *
	South <sup>2</sup>	261 *	217 *	240	263	284	302
	North Carolina	260 *	212 *	238	262	285	303
2011	Nation (public)	264	219	243	266	287	305
	South <sup>2</sup>	262	219	241	264	284	302
	North Carolina	263	219	242	265	286	304

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

## Overall Achievement-Level Results

Student results are reported as the percentages of students performing relative to performance standards set by the National Assessment Governing Board. These performance standards for what students should know and be able to do were based on the recommendations of broadly representative panels of educators and members of the public.

Tables 2-A and 2-B show the percentage of students at grades 4 and 8 who performed below *Basic*, at or above *Basic*, at or above *Proficient*, and at *Advanced*. Because the percentages are cumulative from *Basic* to *Proficient* to *Advanced*, they may sum to more than 100 percent. Only the percentage of students performing at or above *Basic* (which includes the students at *Proficient* and *Advanced*) plus the students below *Basic* will sum to 100 percent.

### Grade 4 Achievement-Level Results

- In 2011, the percentage of North Carolina's students who performed at or above *Proficient* was 34 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *Proficient* (32 percent).
- In North Carolina, the percentage of students who performed at or above *Proficient* in 2011 was greater than the percentages in 1992, 1998, 2005, and 2007, but was not significantly different from the percentages in 1994, 2002, 2003, and 2009.
- In 2011, the percentage of North Carolina's students who performed at or above *Basic* was 68 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *Basic* (66 percent).
- In North Carolina, the percentage of students who performed at or above *Basic* in 2011 was greater than the percentages in 1992, 1994, 1998, 2005, and 2007, but was not significantly different from the percentages in 2002, 2003, and 2009.

### Grade 8 Achievement-Level Results

- In 2011, the percentage of North Carolina's students who performed at or above *Proficient* was 31 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *Proficient* (32 percent).
- In North Carolina, the percentage of students who performed at or above *Proficient* in 2011 was greater than the percentage in 2005, but was not significantly different from the percentages in 1998, 2002, 2003, 2007, and 2009.
- In 2011, the percentage of North Carolina's students who performed at or above *Basic* was 74 percent. This was not significantly different from the percentage of the nation's public school students who performed at or above *Basic* (75 percent).
- In North Carolina, the percentage of students who performed at or above *Basic* in 2011 was greater than the percentages in 2005 and 2009, but was not significantly different from the percentages in 1998, 2002, 2003, and 2007.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
2-A**

Percentage of fourth-grade public school students at or above NAEP reading achievement levels, by year and jurisdiction: Various years, 1992–2011

Year and jurisdiction		Below <i>Basic</i>	At or above <i>Basic</i>	At or above <i>Proficient</i>	At <i>Advanced</i>
1992 <sup>1</sup>	Nation (public)	40*	60*	27*	6*
	North Carolina	44*	56*	25*	5*
1994 <sup>1</sup>	Nation (public)	41*	59*	28*	7
	North Carolina	41*	59*	30	8
1998 <sup>1</sup>	Nation (public)	39*	61*	29*	6*
	North Carolina	38*	62*	28*	6*
1998	Nation (public)	42*	58*	28*	6*
	North Carolina	42*	58*	27*	6*
2002	Nation (public)	38*	62*	30*	6*
	North Carolina	33	67	32	7
2003	Nation (public)	38*	62*	30*	7*
	South <sup>2</sup>	40*	60*	28*	6
	North Carolina	34	66	33	8
2005	Nation (public)	38*	62*	30*	7*
	South <sup>2</sup>	38*	62*	28*	6*
	North Carolina	38*	62*	29*	7
2007	Nation (public)	34	66	32	7
	South <sup>2</sup>	35	65	30*	6
	North Carolina	36*	64*	29*	6
2009	Nation (public)	34	66	32	7
	South <sup>2</sup>	34	66	30	6
	North Carolina	35	65	32	7
2011	Nation (public)	34	66	32	7
	South <sup>2</sup>	34	66	31	7
	North Carolina	32	68	34	8

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
2-B**

Percentage of eighth-grade public school students at or above NAEP reading achievement levels, by year and jurisdiction: Various years, 1998–2011

Year and jurisdiction		Below <i>Basic</i>	At or above <i>Basic</i>	At or above <i>Proficient</i>	At <i>Advanced</i>
1998 <sup>1</sup>	Nation (public)	28*	72*	31	2
	North Carolina	24	76	31	2
1998	Nation (public)	29*	71*	30	2*
	North Carolina	26	74	30	2
2002	Nation (public)	26	74	31	2*
	North Carolina	24	76	32	2
2003	Nation (public)	28*	72*	30*	3*
	South <sup>2</sup>	30*	70*	27*	2
	North Carolina	28	72	29	2
2005	Nation (public)	29*	71*	29*	3*
	South <sup>2</sup>	31*	69*	26*	2
	North Carolina	31*	69*	27*	2
2007	Nation (public)	27*	73*	29*	2*
	South <sup>2</sup>	29*	71*	27*	2
	North Carolina	29	71	28	2
2009	Nation (public)	26*	74*	30*	2*
	South <sup>2</sup>	28	72	28	2
	North Carolina	30*	70*	29	3
2011	Nation (public)	25	75	32	3
	South <sup>2</sup>	27	73	29	2
	North Carolina	26	74	31	3

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

<sup>2</sup> Region in which jurisdiction is located. Regional data are not provided for years prior to 2003 to be consistent with the U.S. Census Bureau defined regions.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

## Comparisons Between North Carolina, the Nation, and Participating States and Jurisdictions

All 50 states, the District of Columbia, and the Department of Defense Schools participated in the 2011 reading assessment at grades 4 and 8. References to "jurisdictions" in the results statements may include states, the District of Columbia, and Department of Defense Schools.

### Comparisons by Scale Scores

Figures 2-A and 2-B compare North Carolina's 2011 overall reading scale scores at grades 4 and 8 with those of public schools in the nation and all other participating states and jurisdictions. The different shadings indicate whether the average score of the nation (public), a state, or a jurisdiction was found to be higher than, lower than, or not significantly different from that of North Carolina in the NAEP 2011 reading assessment.

#### ***Grade 4 Scale Score Comparison Results***

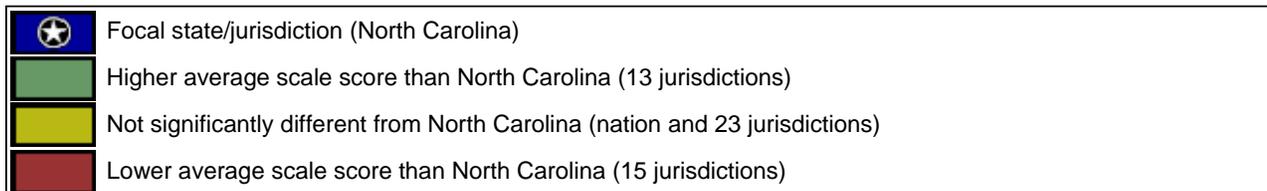
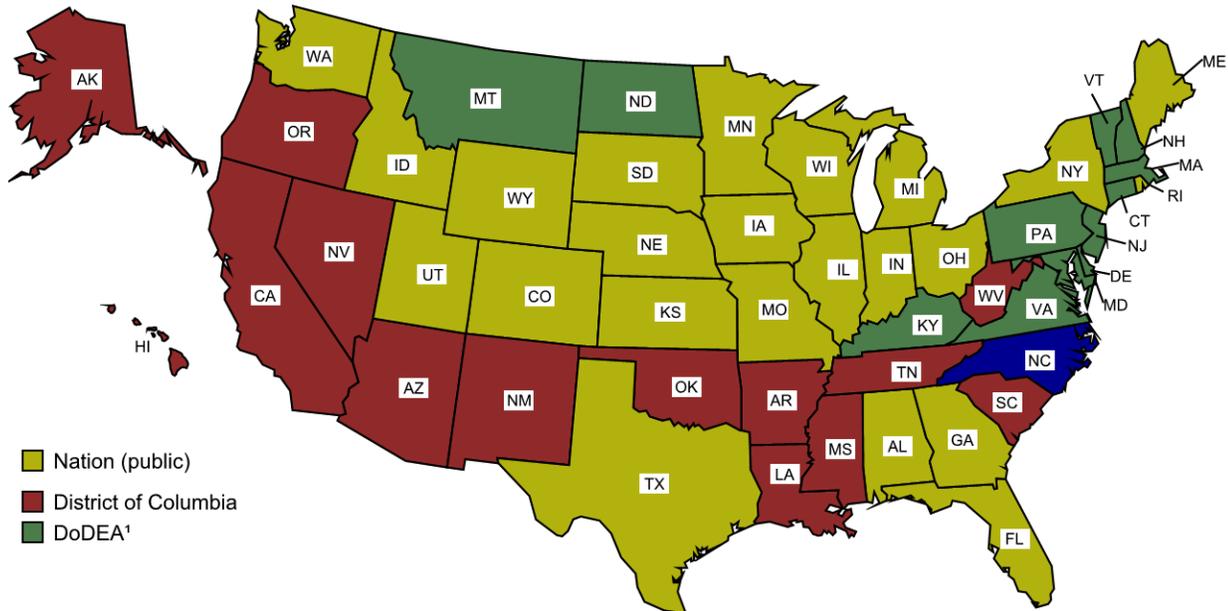
- The average score for students in North Carolina was higher than the scores in 15 jurisdictions, not significantly different from those in 23 jurisdictions, and lower than those in 13 jurisdictions.

#### ***Grade 8 Scale Score Comparison Results***

- The average score for students in North Carolina was higher than the scores in 11 jurisdictions, not significantly different from those in 13 jurisdictions, and lower than those in 27 jurisdictions.

Figure 2-A

North Carolina's average scale score in NAEP reading for fourth-grade public school students compared with scores for the nation and other participating jurisdictions: 2011



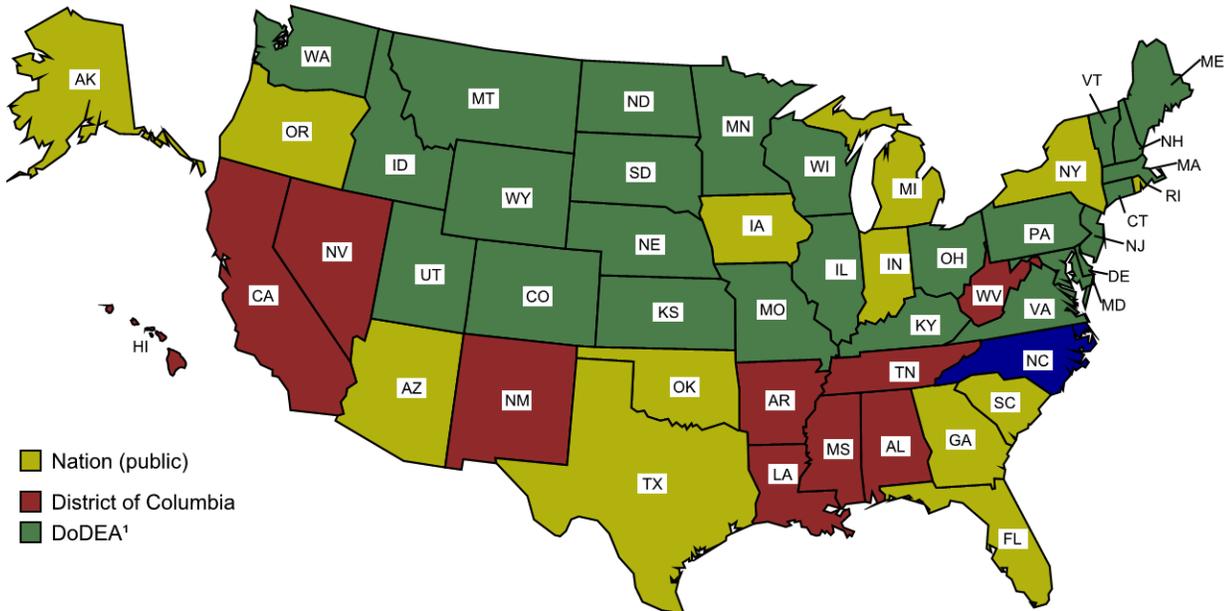
<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).

NOTE: Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

Figure 2-B

North Carolina's average scale score in NAEP reading for eighth-grade public school students compared with scores for the nation and other participating jurisdictions: 2011



	Focal state/jurisdiction (North Carolina)
	Higher average scale score than North Carolina (27 jurisdictions)
	Not significantly different from North Carolina (nation and 13 jurisdictions)
	Lower average scale score than North Carolina (11 jurisdictions)

<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).  
 NOTE: Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.  
 SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

## Comparisons by Achievement Levels

Figures 3-A and 3-B permit comparisons of all jurisdictions (and the nation) participating in the NAEP 2011 reading assessment in terms of percentages of grades 4 and 8 students performing at or above *Proficient*. The participating states and jurisdictions are grouped into categories reflecting whether the percentage of their students performing at or above *Proficient* (including *Advanced*) was found to be higher than, not significantly different from, or lower than the percentage in North Carolina.

Note that the selected state is listed first in its category, and the other states and jurisdictions within each category are listed alphabetically; statistical comparisons among jurisdictions in each of the three categories are not included in this report. However, statistical comparisons among states by achievement level can be calculated online by using the NAEP Data Explorer at <http://nces.ed.gov/nationsreportcard/naepdata/>.

### **Grade 4 Achievement-Level Comparison Results**

- The percentage of students performing at or above the *Proficient* level in North Carolina was greater than the percentage in 14 jurisdictions, not significantly different from those in 27 jurisdictions, and smaller than those in 10 jurisdictions.
- The percentage of students performing at or above the *Basic* level in North Carolina was greater than the percentage in 15 jurisdictions, not significantly different from those in 25 jurisdictions, and smaller than those in 11 jurisdictions (data not shown).

### **Grade 8 Achievement-Level Comparison Results**

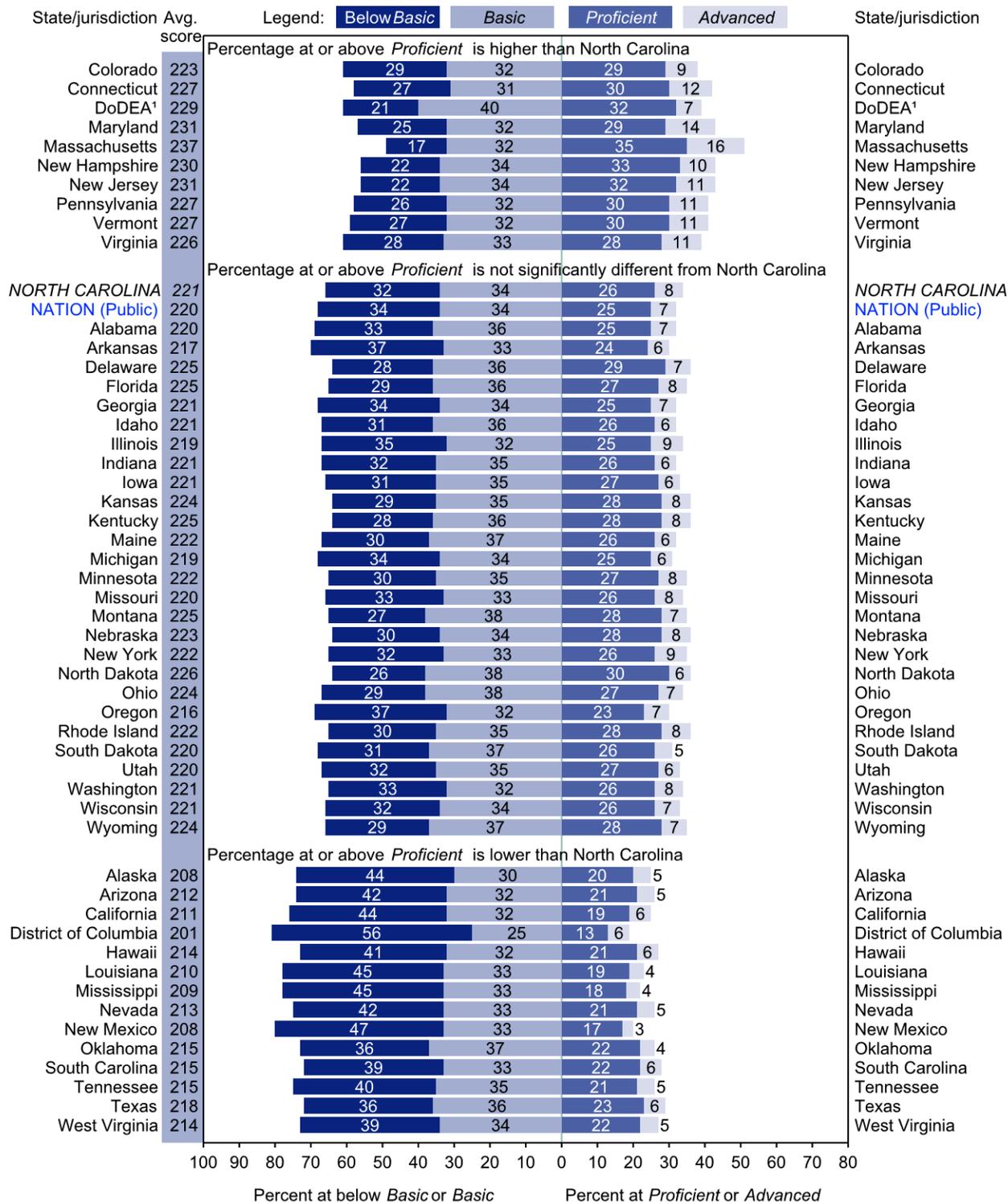
- The percentage of students performing at or above the *Proficient* level in North Carolina was greater than the percentage in 12 jurisdictions, not significantly different from those in 21 jurisdictions, and smaller than those in 18 jurisdictions.
- The percentage of students performing at or above the *Basic* level in North Carolina was greater than the percentage in 10 jurisdictions, not significantly different from those in 16 jurisdictions, and smaller than those in 25 jurisdictions (data not shown).

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Figure 3-A**

Average scale scores in NAEP reading for fourth-grade public school students, percentage within each achievement level, and North Carolina's percentage at or above *Proficient* compared with the nation and other participating states/jurisdictions: 2011



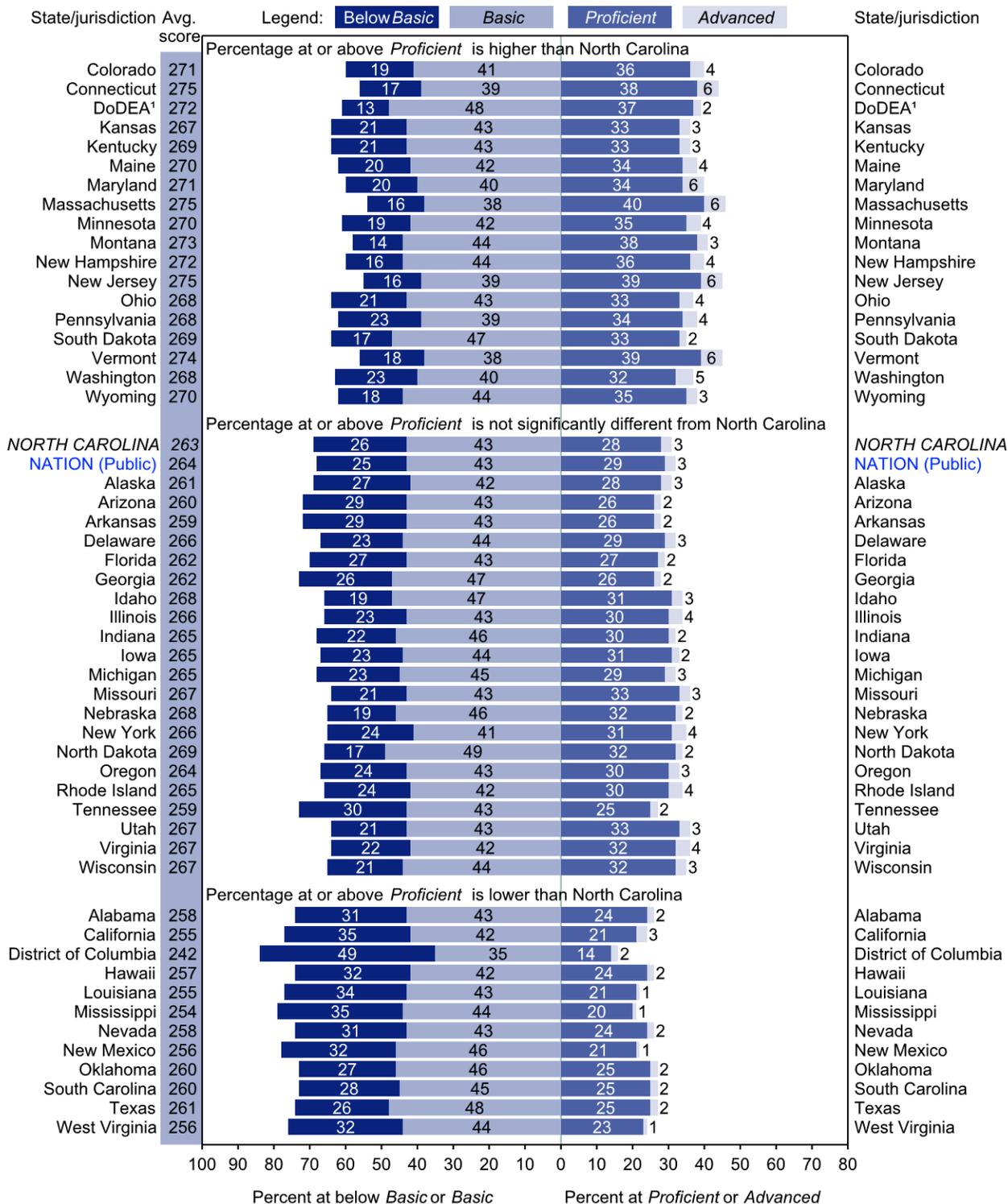
<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).  
 NOTE: The bars above contain percentages of students in each NAEP reading achievement level. Achievement levels corresponding to each population of students are aligned at the point where the *Proficient* category begins, so that they may be compared at *Proficient* and above. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers. The shaded bars are graphed using unrounded numbers. Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.  
 SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Figure 3-B**

Average scale scores in NAEP reading for eighth-grade public school students, percentage within each achievement level, and North Carolina's percentage at or above *Proficient* compared with the nation and other participating states/jurisdictions: 2011



<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).  
 NOTE: The bars above contain percentages of students in each NAEP reading achievement level. Achievement levels corresponding to each population of students are aligned at the point where the *Proficient* category begins, so that they may be compared at *Proficient* and above. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers. The shaded bars are graphed using unrounded numbers. Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.  
 SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

## Reading Performance of Selected Student Groups

This section of the report presents trend results for public school students in North Carolina and the nation by demographic characteristics. Student performance data are reported for

- race/ethnicity
- gender
- student eligibility for the National School Lunch Program
- type of school location (for 2007, 2009, and 2011)
- parents' highest level of education

Results for each of the variables are reported in tables that include the percentage of students in each group in the first column, and the average scale score in the second column. The columns to the right show the percentage of students below *Basic* and at or above each achievement level.

Results by students' race/ethnicity and gender include statements about score point differences between student groups (e.g., between White and Black or White and Hispanic students, or between male and female students) in 2011 and in the first assessment year. Because these differences are calculated using unrounded values, they may differ slightly from what would be obtained by subtracting the rounded values that appear in the tables. Statements indicating a narrowing or widening of the gap in students' scores are only made if the change in the gap from the first assessment year to 2011 was found to be statistically significant.

The reader is cautioned against making simple causal inferences about group differences, as a complex mix of educational and socioeconomic factors may affect student performance. NAEP collects information on many additional variables, including school and home factors related to achievement. This information is in an interactive database available on the NAEP website <http://nces.ed.gov/nationsreportcard/naepdata/>.

## **Race/Ethnicity**

Prior to 2011, student race/ethnicity was obtained from school records and reported for the six mutually exclusive categories shown below:

- White
- Black
- Hispanic
- Asian/Pacific Islander
- American Indian/Alaska Native
- Unclassified (not shown in tables)

Students who identified with more than one of the other five categories were classified as "Other" and were included as part of the "Unclassified" category along with students who had a background other than the ones listed or whose race/ethnicity could not be determined.

In compliance with new standards from the U.S. Office of Management and Budget for collecting and reporting data on race/ethnicity, additional information was collected in 2011 so that results could be reported separately for Asian students, Native Hawaiian/Other Pacific Islander students, and students identifying with two or more races. Beginning in 2011, all of the students participating in NAEP were identified as one of the seven racial/ethnic categories listed below:

- White
- Black or African American
- Hispanic
- Asian
- Native Hawaiian or other Pacific Islander
- American Indian or Alaska Native
- Two or more races

As in earlier years, students identified as Hispanic were classified as Hispanic in 2011 even if they were also identified with another racial/ethnic group. Students who identified with two or more of the other racial/ethnic groups (e.g., White and Black) would have been classified as "Other" and reported as part of the "Unclassified" category prior to 2011, and classified as "Two or more races" in 2011.

When comparing the results for racial/ethnic groups from 2011 to earlier assessment years, the 2011 data for Asian and Native Hawaiian/Other Pacific Islander students were combined into a single Asian/Pacific Islander category.

Tables 3-A and 3-B show average scale scores and percentage of students by achievement-level data for public school students at grades 4 and 8 in North Carolina and the nation, by race/ethnicity.

**Grade 4 Scale Score Results by Race/Ethnicity**

- In 2011, White students in North Carolina had an average scale score that was higher than the average scores of Black, Hispanic, and American Indian/Alaska Native students, but not significantly different from the average score of Asian/Pacific Islander students.
- In 2011, the average scale scores of White and Black students in North Carolina were higher than their respective scores in 1992, 1994, 1998, and 2005, but not significantly different from their respective scores in 2002, 2003, 2007, and 2009.
- In 2011, the average scale scores of Asian/Pacific Islander and American Indian/Alaska Native students in North Carolina were not significantly different from their respective scores in 2003, 2005, 2007, and 2009.
- In 2011, the average scale score of Hispanic students in North Carolina was not significantly different from their respective scores in 2002, 2003, 2005, 2007, and 2009.
- In 2011, Black students in North Carolina had an average score that was lower than that of White students by 27 points. In 1992, the average score for Black students was lower than that of White students by 26 points.
- In 2011, Hispanic students in North Carolina had an average score that was lower than that of White students by 26 points. Data are not reported for Hispanic students in 1992, because reporting standards were not met.

**Grade 4 Achievement-Level Results by Race/Ethnicity**

- In 2011 in North Carolina, the percentage of White students performing at or above *Proficient* was greater than the corresponding percentages of Black, Hispanic, and American Indian/Alaska Native students, but not significantly different from the percentage of Asian/Pacific Islander students.
- In 2011, the percentage of Hispanic students in North Carolina performing at or above *Proficient* was not significantly different from the percentages of their respective peers in 2002, 2003, 2005, 2007, and 2009.
- In 2011, the percentages of Asian/Pacific Islander and American Indian/Alaska Native students in North Carolina performing at or above *Proficient* were not significantly different from the percentages of their respective peers in 2003, 2005, 2007, and 2009.
- In 2011, the percentages of White and Black students in North Carolina performing at or above *Proficient* were greater than the percentages of their respective peers in 1992, 1994, and 1998, but not significantly different from the percentages of their respective peers in 2002, 2003, 2005, 2007, and 2009.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
3-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1992–2011

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>White</b>							
1992 <sup>1</sup>	Nation (public)	72 *	223 *	31 *	69 *	33 *	8 *
	North Carolina	66 *	220 *	34 *	66 *	32 *	7 *
1994 <sup>1</sup>	Nation (public)	71 *	222 *	31 *	69 *	35 *	9
	North Carolina	68 *	224 *	30 *	70 *	38 *	11
1998 <sup>1</sup>	Nation (public)	69 *	224 *	30 *	70 *	36 *	8 *
	North Carolina	65 *	226 *	26 *	74 *	36 *	8 *
1998	Nation (public)	64 *	223 *	31 *	69 *	36 *	9 *
	North Carolina	65 *	223 *	31 *	69 *	35 *	8 *
2002	Nation (public)	60 *	227 *	26 *	74 *	39 *	9 *
	North Carolina	58	232	21	79	44	10
2003	Nation (public)	59 *	227 *	26 *	74 *	39 *	10
	North Carolina	58	232	23	77	44	12
2005	Nation (public)	57 *	228 *	25 *	75 *	39 *	10 *
	North Carolina	58	227 *	26 *	74 *	39	10
2007	Nation (public)	56 *	230	23	77	42	10
	North Carolina	56	228	25 *	75 *	39	9
2009	Nation (public)	54 *	229	23	77	41	10
	North Carolina	54	230	23	77	44	11
2011	Nation (public)	52	230	23	77	42	10
	North Carolina	54	232	19	81	45	12
<b>Black</b>							
1992 <sup>1</sup>	Nation (public)	18 *	191 *	69 *	31 *	8 *	1 *
	North Carolina	30	194 *	65 *	35 *	9 *	1
1994 <sup>1</sup>	Nation (public)	18 *	184 *	72 *	28 *	8 *	1 *
	North Carolina	28	192 *	66 *	34 *	11 *	1
1998 <sup>1</sup>	Nation (public)	17	192 *	66 *	34 *	9 *	1 *
	North Carolina	29	198 *	61 *	39 *	11 *	2
1998	Nation (public)	16	192 *	66 *	34 *	10 *	1 *
	North Carolina	29	193 *	65 *	35 *	10 *	1
2002	Nation (public)	18 *	198 *	61 *	39 *	12 *	1 *
	North Carolina	33 *	205	54	46	13	2
2003	Nation (public)	17 *	197 *	61 *	39 *	12 *	2 *
	North Carolina	29	203	56	44	12	2
2005	Nation (public)	17 *	199 *	59 *	41 *	12 *	2 *
	North Carolina	27	200 *	59 *	41 *	13	2
2007	Nation (public)	17 *	203 *	54 *	46 *	14 *	2
	North Carolina	27	202	55	45	12	1
2009	Nation (public)	16	204	53	47	15	2
	North Carolina	27	204	52	48	14	1
2011	Nation (public)	16	205	51	49	16	2
	North Carolina	26	206	50	50	16	2

See notes at end of table.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
3-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1992–2011—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Hispanic</b>							
1992 <sup>1</sup>	Nation (public)	7*	194*	63*	37*	10*	1
	North Carolina	1*	‡	‡	‡	‡	‡
1994 <sup>1</sup>	Nation (public)	7*	186*	68*	32*	11*	2
	North Carolina	1*	‡	‡	‡	‡	‡
1998 <sup>1</sup>	Nation (public)	10*	194*	62*	38*	12*	2
	North Carolina	3*	202	57	43	14	1
1998	Nation (public)	14*	192*	64*	36*	12*	2
	North Carolina	3*	‡	‡	‡	‡	‡
2002	Nation (public)	17*	199*	57*	43*	14*	2
	North Carolina	5*	213	42	58	19	4
2003	Nation (public)	18*	199*	57*	43*	14*	2
	North Carolina	6*	212	44	56	24	5
2005	Nation (public)	19*	201*	56*	44*	15*	2
	North Carolina	8*	204	54	46	17	2
2007	Nation (public)	20*	204	51	49	17	3
	North Carolina	10	205	51	49	18	3
2009	Nation (public)	21*	204	52	48	16	2
	North Carolina	10	204	50	50	17	3
2011	Nation (public)	23	205	50	50	18	2
	North Carolina	12	207	48	52	20	4
<b>Asian/Pacific Islander</b>							
1992 <sup>1</sup>	Nation (public)	2*	215*	41*	59*	23*	4*
	North Carolina	1*	‡	‡	‡	‡	‡
1994 <sup>1</sup>	Nation (public)	3*	217*	36*	64*	34*	9
	North Carolina	1*	‡	‡	‡	‡	‡
1998 <sup>1</sup>	Nation (public)	2*	218*	39*	61*	31*	10
	North Carolina	1*	‡	‡	‡	‡	‡
1998	Nation (public)	4	211*	45*	55*	27*	10*
	North Carolina	2	‡	‡	‡	‡	‡
2002	Nation (public)	4*	223*	31*	69*	36*	9*
	North Carolina	2*	‡	‡	‡	‡	‡
2003	Nation (public)	4*	225*	31*	69*	37*	11*
	North Carolina	2	227	27	73	36	11
2005	Nation (public)	4*	227*	28*	72*	40*	12*
	North Carolina	3	221	37	63	31	10
2007	Nation (public)	5	231	24	76	45	14
	North Carolina	2	228	26	74	41	13
2009	Nation (public)	5	234	21	79	48	17
	North Carolina	2	241	10	90	52	15
2011	Nation (public)	5	234	21	79	49	17
	North Carolina	3	236	19	81	48	19

See notes at end of table.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
3-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1992–2011—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>American Indian/Alaska Native</b>							
1992 <sup>1</sup>	Nation (public)	1	‡	‡	‡	‡	‡
	North Carolina	2	‡	‡	‡	‡	‡
1994 <sup>1</sup>	Nation (public)	1	212	40	60	31	7
	North Carolina	2	‡	‡	‡	‡	‡
1998 <sup>1</sup>	Nation (public)	1*	‡	‡	‡	‡	‡
	North Carolina	1	‡	‡	‡	‡	‡
1998	Nation (public)	1	‡	‡	‡	‡	‡
	North Carolina	1	‡	‡	‡	‡	‡
2002	Nation (public)	1	207	49	51	22	5
	North Carolina	1	‡	‡	‡	‡	‡
2003	Nation (public)	1	202	53	47	16	2
	North Carolina	2	200	59	41	8	1
2005	Nation (public)	1	205	51	49	19	3
	North Carolina	2	199	56	44	12	3
2007	Nation (public)	1	206	49	51	20	4
	North Carolina	2	202	54	46	17	5
2009	Nation (public)	1	206	48	52	22	5
	North Carolina	1	202	53	47	18	6
2011	Nation (public)	1	204	51	49	19	4
	North Carolina	1	192	62	38	10	2

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2011 Reading Assessments.

**Grade 8 Scale Score Results by Race/Ethnicity**

- In 2011, White students in North Carolina had an average scale score that was higher than the average scores of Black, Hispanic, and American Indian/Alaska Native students, but not significantly different from the average score of Asian/Pacific Islander students.
- In 2011, the average scale scores of White and Black students in North Carolina were higher than their respective score in 2005, but not significantly different from their respective scores in 1998, 2002, 2003, 2007, and 2009.
- In 2011, the average scale score of Hispanic students in North Carolina was higher than their respective scores in 2003 and 2005, but not significantly different from their respective scores in 2002, 2007, and 2009.
- In 2011, the average scale score of American Indian/Alaska Native students in North Carolina was not significantly different from their respective scores in 1998, 2003, 2007, and 2009.
- In 2011, the average scale score of Asian/Pacific Islander students in North Carolina was not significantly different from their respective scores in 2003, 2005, 2007, and 2009.
- In 2011, Black students in North Carolina had an average score that was lower than that of White students by 24 points. In 1998, the average score for Black students was lower than that of White students by 25 points.
- In 2011, Hispanic students in North Carolina had an average score that was lower than that of White students by 16 points. Data are not reported for Hispanic students in 1998, because reporting standards were not met.

**Grade 8 Achievement-Level Results by Race/Ethnicity**

- In 2011 in North Carolina, the percentage of White students performing at or above *Proficient* was greater than the corresponding percentages of Black, Hispanic, and American Indian/Alaska Native students, but not significantly different from the percentage of Asian/Pacific Islander students.
- In 2011, the percentage of Hispanic students in North Carolina performing at or above *Proficient* was not significantly different from the percentages of their respective peers in 2002, 2003, 2005, 2007, and 2009.
- In 2011, the percentage of Asian/Pacific Islander students in North Carolina performing at or above *Proficient* was not significantly different from the percentages of their respective peers in 2003, 2005, 2007, and 2009.
- In 2011, the percentage of American Indian/Alaska Native students in North Carolina performing at or above *Proficient* was not significantly different from the percentages of their respective peers in 1998, 2003, 2007, and 2009.
- In 2011, the percentages of White and Black students in North Carolina performing at or above *Proficient* were not significantly different from the percentages of their respective peers in 1998, 2002, 2003, 2005, 2007, and 2009.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
3-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1998–2011

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>White</b>							
1998 <sup>1</sup>	Nation (public)	68 *	269 *	20 *	80 *	38 *	3
	North Carolina	65 *	271	16	84	40	3
1998	Nation (public)	68 *	268 *	21 *	79 *	37 *	3 *
	North Carolina	64 *	270	18	82	39	3
2002	Nation (public)	64 *	271 *	17	83	39 *	3
	North Carolina	64 *	274	14	86	42	3
2003	Nation (public)	61 *	270 *	18 *	82 *	39 *	4 *
	North Carolina	60	271	17	83	38	3
2005	Nation (public)	60 *	269 *	19 *	81 *	37 *	3 *
	North Carolina	61 *	267 *	21	79	35	3
2007	Nation (public)	58 *	270 *	17 *	83 *	38 *	3 *
	North Carolina	58	270	18	82	39	3
2009	Nation (public)	57 *	271 *	17	83	39 *	3 *
	North Carolina	55	270	19	81	39	4
2011	Nation (public)	54	272	16	84	41	4
	North Carolina	55	271	17	83	40	4
<b>Black</b>							
1998 <sup>1</sup>	Nation (public)	15	241 *	51 *	49 *	11 *	#
	North Carolina	28	249	40	60	13	#
1998	Nation (public)	16	242 *	50 *	50 *	11	#
	North Carolina	29	246	43	57	12	#
2002	Nation (public)	15	244 *	46 *	54 *	13	#
	North Carolina	29	247	44	56	11	#
2003	Nation (public)	17 *	244 *	47 *	53 *	12 *	#
	North Carolina	31 *	247	44	56	13	1
2005	Nation (public)	17 *	242 *	49 *	51 *	11 *	#
	North Carolina	29 *	240 *	51	49	10	#
2007	Nation (public)	17 *	244 *	46 *	54 *	12 *	# *
	North Carolina	30 *	241	47	53	10	#
2009	Nation (public)	16	245 *	44 *	56 *	13 *	#
	North Carolina	28	243	47	53	12	#
2011	Nation (public)	16	248	42	58	14	1
	North Carolina	26	247	42	58	14	#

See notes at end of table.

**NAEP 2011 Reading Report for North Carolina (Embargoed)**

The Nation's Report Card 2011 State Assessment

**Table  
3-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1998–2011—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Hispanic</b>							
1998 <sup>1</sup>	Nation (public)	12*	243*	47*	53*	14*	#
	North Carolina	2*	‡	‡	‡	‡	‡
1998	Nation (public)	12*	241*	48*	52*	13*	#
	North Carolina	1*	‡	‡	‡	‡	‡
2002	Nation (public)	15*	245*	44*	56*	14*	#
	North Carolina	3*	252	37	63	18	1
2003	Nation (public)	15*	244*	46*	54*	14*	1
	North Carolina	4*	244*	48	52	15	1
2005	Nation (public)	17*	245*	45*	55*	14*	1
	North Carolina	5*	248*	43	57	17	1
2007	Nation (public)	18*	246*	43*	57*	14*	1*
	North Carolina	7*	246	44	56	16	2
2009	Nation (public)	20*	248*	41*	59*	16*	1
	North Carolina	10	249	42	58	19	2
2011	Nation (public)	22	251	37	63	18	1
	North Carolina	11	256	33	67	22	1
<b>Asian/Pacific Islander</b>							
1998 <sup>1</sup>	Nation (public)	3*	265	25	75	32	3*
	North Carolina	1*	‡	‡	‡	‡	‡
1998	Nation (public)	4*	261	27	73	30	3*
	North Carolina	1*	‡	‡	‡	‡	‡
2002	Nation (public)	4*	265*	25*	75*	34*	3*
	North Carolina	1*	‡	‡	‡	‡	‡
2003	Nation (public)	4*	268*	22*	78*	38*	5*
	North Carolina	2	267	24	76	30	7
2005	Nation (public)	4*	270*	21*	79*	39*	5
	North Carolina	2*	275	16	84	46	6
2007	Nation (public)	5*	269*	21	79	40*	5*
	North Carolina	2	265	23	77	34	2
2009	Nation (public)	5	273	18	82	44	6
	North Carolina	2	272	20	80	46	8
2011	Nation (public)	5	275	18	82	46	8
	North Carolina	3	274	17	83	44	8

See notes at end of table.

**Table  
3-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: Various years, 1998–2011—Continued

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>American Indian/Alaska Native</b>							
1998 <sup>1</sup>	Nation (public)	#*	‡	‡	‡	‡	‡
	North Carolina	4	257	33	67	21	1
1998	Nation (public)	#*	‡	‡	‡	‡	‡
	North Carolina	3	257	31	69	21	1
2002	Nation (public)	1	252	36	64	18	1
	North Carolina	1*	‡	‡	‡	‡	‡
2003	Nation (public)	1*	248*	41	59	18	1
	North Carolina	2	242	48	52	10	#
2005	Nation (public)	1	251	39	61	18	1
	North Carolina	2	‡	‡	‡	‡	‡
2007	Nation (public)	1*	248*	42*	58*	19	2
	North Carolina	1	236	55	45	15	#
2009	Nation (public)	1	252	37	63	21	2
	North Carolina	1	235	54	46	16	2
2011	Nation (public)	1	253	36	64	22	2
	North Carolina	1	245	48	52	16	3

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

Tables 4-A and 4-B show average scale scores and percentage of students by achievement-level data for the seven racial/ethnic categories used in 2011: White, Black, Hispanic, Asian, Native Hawaiian/Other Pacific Islander, American Indian/Alaska Native, and Two or More Races at grades 4 and 8 in North Carolina and the nation, by race/ethnicity.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
4-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: 2011

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>White</b>							
2011	Nation (public)	52	230	23*	77*	42	10
	North Carolina	54	232	19	81	45	12
<b>Black</b>							
2011	Nation (public)	16*	205	51	49	16	2
	North Carolina	26	206	50	50	16	2
<b>Hispanic</b>							
2011	Nation (public)	23*	205	50	50	18	2
	North Carolina	12	207	48	52	20	4
<b>Asian</b>							
2011	Nation (public)	5*	236	19	81	51	18
	North Carolina	3	236	19	81	48	19
<b>American Indian/Alaska Native</b>							
2011	Nation (public)	1	204*	51	49	19*	4
	North Carolina	1	192	62	38	10	2
<b>Native Hawaiian/Other Pacific Islander</b>							
2011	Nation (public)	#*	214	40	60	27	5
	North Carolina	#	‡	‡	‡	‡	‡
<b>Two or more races</b>							
2011	Nation (public)	2*	225	29	71	37	10
	North Carolina	3	222	31	69	31	8

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same group in North Carolina.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208—237; *Proficient*, 238—267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
4-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by race/ethnicity, year, and jurisdiction: 2011

Race/ethnicity, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>White</b>							
2011	Nation (public)	54	272	16	84	41	4
	North Carolina	55	271	17	83	40	4
<b>Black</b>							
2011	Nation (public)	16*	248	42	58	14	1
	North Carolina	26	247	42	58	14	#
<b>Hispanic</b>							
2011	Nation (public)	22*	251	37	63	18	1
	North Carolina	11	256	33	67	22	1
<b>Asian</b>							
2011	Nation (public)	5*	277	16	84	48	8
	North Carolina	3	275	17	83	44	8
<b>American Indian/Alaska Native</b>							
2011	Nation (public)	1*	253	36*	64*	22	2
	North Carolina	1	245	48	52	16	3
<b>Native Hawaiian/Other Pacific Islander</b>							
2011	Nation (public)	#*	251	39	61	21	2
	North Carolina	#	‡	‡	‡	‡	‡
<b>Two or more races</b>							
2011	Nation (public)	2*	267	23	77	36	4
	North Carolina	4	268	22	78	35	6

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same group in North Carolina.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243—280; *Proficient*, 281—322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

## Gender

Information on student gender is reported by the student's school when rosters of the students eligible to be assessed are submitted to NAEP.

Tables 5-A and 5-B show average scale scores and percentage of students by achievement-level data for public school students at grades 4 and 8 in North Carolina and the nation, by gender.

### **Grade 4 Scale Score Results by Gender**

- In 2011, male students in North Carolina had an average score in reading (217) that was lower than that of female students (225). In 1992, male students in North Carolina had an average score in reading (209) that was lower than that of female students (214).
- In 2011, male students in North Carolina had an average scale score in reading (217) that was not significantly different from that of male students in public schools across the nation (217). Similarly, female students in North Carolina had an average scale score (225) that was not significantly different from that of female students across the nation (223).
- In North Carolina, the average scale score of male students in 2011 was higher than the scores of male students in 1992, 1994, 1998, and 2005, but not significantly different from the scores of male students in 2002, 2003, 2007, and 2009.
- In North Carolina, the average scale score of female students in 2011 was higher than the scores of female students in 1992, 1994, 1998, and 2005, but not significantly different from the scores of female students in 2002, 2003, 2007, and 2009.

### **Grade 4 Achievement-Level Results by Gender**

- In the 2011 assessment, 30 percent of male students and 38 percent of female students performed at or above *Proficient* in North Carolina. The difference between these percentages was statistically significant.
- The percentage of male students in North Carolina's public schools who were at or above *Proficient* in 2011 (30 percent) was not significantly different from that of male students in the nation (30 percent).
- The percentage of female students in North Carolina's public schools who were at or above *Proficient* in 2011 (38 percent) was not significantly different from that of female students in the nation (35 percent).
- In North Carolina, the percentage of male students performing at or above *Proficient* in 2011 was greater than the corresponding percentages of students in 1992 and 1998, but not significantly different from the corresponding percentages of students in 1994, 2002, 2003, 2005, 2007, and 2009.
- In North Carolina, the percentage of female students performing at or above *Proficient* in 2011 was greater than the corresponding percentages of students in 1992, 1998, and 2007, but not significantly different from the corresponding percentages of students in 1994, 2002, 2003, 2005, and 2009.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
5-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by gender, year, and jurisdiction: Various years, 1992–2011

Gender, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Male</b>							
1992 <sup>1</sup>	Nation (public)	51	211*	44*	56*	24*	5
	North Carolina	51	209*	47*	53*	23*	5
1994 <sup>1</sup>	Nation (public)	51	207*	47*	53*	24*	6
	North Carolina	51	209*	46*	54*	26	5
1998 <sup>1</sup>	Nation (public)	50	212*	43*	57*	27*	6
	North Carolina	49	213	41	59	24*	4
1998	Nation (public)	50	210*	45*	55*	25*	5
	North Carolina	50	208*	46*	54*	23*	4
2002	Nation (public)	51	214*	41*	59*	26*	5*
	North Carolina	49	218	37	63	28	6
2003	Nation (public)	51	213*	42*	58*	26*	6*
	North Carolina	50	216	40	60	27	6
2005	Nation (public)	50	214*	41*	59*	27*	6*
	North Carolina	51	213*	42*	58*	26	5
2007	Nation (public)	50	216	38	62	29	6
	North Carolina	50	214	40	60	26	5
2009	Nation (public)	51	216	38	62	28	6
	North Carolina	51*	215	39	61	29	6
2011	Nation (public)	51	217	37	63	30	6
	North Carolina	49	217	36	64	30	7
<b>Female</b>							
1992 <sup>1</sup>	Nation (public)	49	219*	35*	65*	30*	7
	North Carolina	49	214*	41*	59*	26*	6*
1994 <sup>1</sup>	Nation (public)	49	218*	36*	64*	32	8
	North Carolina	49	220*	36*	64*	34	10
1998 <sup>1</sup>	Nation (public)	50	218*	36*	64*	31*	7*
	North Carolina	51	220*	34*	66*	31*	7
1998	Nation (public)	50	215*	40*	60*	30*	7
	North Carolina	50	218*	37*	63*	31*	7
2002	Nation (public)	49	220*	35*	65*	33*	8*
	North Carolina	51	225	30	70	35	8
2003	Nation (public)	49	220*	35*	65*	33*	8
	North Carolina	50	227	29	71	38	11
2005	Nation (public)	50	220*	34*	66*	33*	8*
	North Carolina	49	221*	34*	66*	33	8
2007	Nation (public)	50	223	31	69	35	9
	North Carolina	50	222	32	68	33*	7
2009	Nation (public)	49	223	31	69	35	9
	North Carolina	49*	224	30	70	36	8
2011	Nation (public)	49	223	30	70	35	9
	North Carolina	51	225	28	72	38	10

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2011 Reading Assessments.

**Grade 8 Scale Score Results by Gender**

- In 2011, male students in North Carolina had an average score in reading (256) that was lower than that of female students (270). In 1998, male students in North Carolina had an average score in reading (255) that was lower than that of female students (269).
- In 2011, male students in North Carolina had an average scale score in reading (256) that was lower than that of male students in public schools across the nation (259). However, female students in North Carolina had an average scale score (270) that was not significantly different from that of female students across the nation (268).
- In North Carolina, the average scale score of male students in 2011 was higher than the score of male students in 2005, but lower than the score of male students in 2002, and not significantly different from the scores of male students in 1998, 2003, 2007, and 2009.
- In North Carolina, the average scale score of female students in 2011 was higher than the scores of female students in 2005 and 2007, but not significantly different from the scores of female students in 1998, 2002, 2003, and 2009.

**Grade 8 Achievement-Level Results by Gender**

- In the 2011 assessment, 25 percent of male students and 37 percent of female students performed at or above *Proficient* in North Carolina. The difference between these percentages was statistically significant.
- The percentage of male students in North Carolina's public schools who were at or above *Proficient* in 2011 (25 percent) was not significantly different from that of male students in the nation (27 percent).
- The percentage of female students in North Carolina's public schools who were at or above *Proficient* in 2011 (37 percent) was not significantly different from that of female students in the nation (36 percent).
- In North Carolina, the percentage of male students performing at or above *Proficient* in 2011 was not significantly different from the corresponding percentages of students in 1998, 2002, 2003, 2005, 2007, and 2009.
- In North Carolina, the percentage of female students performing at or above *Proficient* in 2011 was not significantly different from the corresponding percentages of students in 1998, 2002, 2003, 2005, 2007, and 2009.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
5-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by gender, year, and jurisdiction: Various years, 1998–2011

Gender, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Male</b>							
1998 <sup>1</sup>	Nation (public)	51	255*	35*	65*	24*	1
	North Carolina	48	256	32	68	24	1
1998	Nation (public)	51	253*	36*	64*	23*	1*
	North Carolina	49	255	33	67	22	1
2002	Nation (public)	50	258	30	70	26	2
	North Carolina	49	260*	29	71	27	2
2003	Nation (public)	50	256*	33*	67*	25*	2*
	North Carolina	50	256	33	67	23	1
2005	Nation (public)	50	255*	34*	66*	24*	2*
	North Carolina	52	251*	38*	62*	21	2
2007	Nation (public)	50	256*	32*	68*	24*	1*
	North Carolina	52	254	34	66	24	1
2009	Nation (public)	50	258*	30	70	26*	2*
	North Carolina	51	253	36	64	22	1
2011	Nation (public)	51	259	30	70	27	2
	North Carolina	51	256	33	67	25	2
<b>Female</b>							
1998 <sup>1</sup>	Nation (public)	49	268	21	79	37	3
	North Carolina	52	270	17	83	38	3
1998	Nation (public)	49	268	21	79	37	3
	North Carolina	51	269	19	81	38	3
2002	Nation (public)	50	267	21	79	36	3
	North Carolina	51	270	18	82	36	3
2003	Nation (public)	50	267*	23*	77*	35*	4*
	North Carolina	50	267	22	78	34	3
2005	Nation (public)	50	266*	24*	76*	34*	3*
	North Carolina	48	266*	24	76	33	3
2007	Nation (public)	50	266*	23*	77*	34*	3*
	North Carolina	48	265*	23	77	33	3
2009	Nation (public)	50	267*	22	78	35	3*
	North Carolina	49	267	24	76	36	4
2011	Nation (public)	49	268	21	79	36	4
	North Carolina	49	270	19	81	37	4

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

### Student Eligibility for the National School Lunch Program

NAEP collects data on eligibility for the federal program providing free or reduced-price school lunches. The free/reduced-price lunch component of the National School Lunch Program (NSLP) offered through the U.S. Department of Agriculture (USDA) is designed to ensure that children near or below the poverty line receive nourishing meals. Eligibility is determined through the USDA's Income Eligibility Guidelines, and results for this category of students are included as an indicator of low family income. NAEP first collected information on participation in this program in 1996; therefore, cross-year comparisons to assessments prior to 1996 cannot be made.

Tables 6-A and 6-B show average scale scores and percentage of students by achievement-level data for public school students at grades 4 and 8 in North Carolina and the nation, by student eligibility for the NSLP.

#### ***Grade 4 Scale Score Results by Free/Reduced-Price School Lunch Eligibility***

- In 2011, students in North Carolina eligible for free/reduced-price lunch had an average reading scale score of 208. This was lower than that of students in North Carolina not eligible for this program (236).
- In 2011, students in North Carolina who were eligible for free/reduced-price school lunch had an average score that was lower than that of students who were not eligible by 28 points. In 1998, the average score for students in North Carolina who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 26 points.
- Students in North Carolina eligible for free/reduced-price lunch had an average scale score (208) in 2011 that was not significantly different from that of students in the nation who were eligible (207).
- In North Carolina, students eligible for free/reduced-price lunch had an average reading scale score in 2011 that was higher than that of eligible students in 1998, 2005, and 2007, but not significantly different from that of eligible students in 2002, 2003, and 2009.

#### ***Grade 4 Achievement-Level Results by Free/Reduced-Price School Lunch Eligibility***

- In North Carolina, 19 percent of students who were eligible for free/reduced-price lunch and 50 percent of those who were not eligible for this program performed at or above *Proficient* in 2011. These percentages were significantly different from one another.
- For students in North Carolina in 2011 who were eligible for free/reduced-price lunch, the percentage at or above *Proficient* (19 percent) was not significantly different from the corresponding percentage for their counterparts around the nation (18 percent).
- In North Carolina, the percentage of students eligible for free/reduced-price lunch who performed at or above *Proficient* in 2011 was greater than the corresponding percentages in 1998 and 2005, but not significantly different from the corresponding percentages in 2002, 2003, 2007, and 2009.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
6-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2011

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Eligible</b>							
1998 <sup>1</sup>	Nation (public)	38 *	198 *	58 *	42 *	13 *	1
	North Carolina	41 *	202 *	55 *	45 *	14 *	2
1998	Nation (public)	41 *	195 *	61 *	39 *	12 *	1 *
	North Carolina	41 *	198 *	58 *	42 *	14 *	2
2002	Nation (public)	43 *	202 *	54 *	46 *	16 *	2
	North Carolina	47	208	49	51	17	2
2003	Nation (public)	44 *	201 *	56 *	44 *	15 *	2
	North Carolina	42 *	206	52 *	48 *	16	2
2005	Nation (public)	45 *	203 *	54 *	46 *	15 *	2
	North Carolina	44 *	202 *	56 *	44 *	14 *	2
2007	Nation (public)	45 *	205 *	50 *	50 *	17 *	2
	North Carolina	47 *	205 *	51 *	49 *	16	2
2009	Nation (public)	47 *	206	49 *	51 *	17 *	2
	North Carolina	48 *	205	50 *	50 *	17	2
2011	Nation (public)	52	207	48	52	18	2
	North Carolina	53	208	46	54	19	2
<b>Not eligible</b>							
1998 <sup>1</sup>	Nation (public)	54 *	226 *	28 *	72 *	39 *	10 *
	North Carolina	54 *	227 *	25 *	75 *	37 *	8 *
1998	Nation (public)	51 *	226 *	28 *	72 *	39 *	10 *
	North Carolina	54 *	224 *	29 *	71 *	37 *	9 *
2002	Nation (public)	50 *	229 *	24 *	76 *	41 *	10 *
	North Carolina	49	234	18	82	47	12
2003	Nation (public)	52 *	229 *	25 *	75 *	41 *	11 *
	North Carolina	52	233	22 *	78 *	45	13
2005	Nation (public)	53 *	230 *	23 *	77 *	42 *	11 *
	North Carolina	54 *	229 *	25 *	75 *	41 *	11
2007	Nation (public)	54 *	232 *	21 *	79 *	44 *	12 *
	North Carolina	51	229 *	23 *	77 *	41 *	10 *
2009	Nation (public)	52 *	232 *	21 *	79 *	45 *	12 *
	North Carolina	51	233	21 *	79 *	46	12
2011	Nation (public)	47	234	18	82	48	13
	North Carolina	47	236	17	83	50	14

See notes at end of table.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
6-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2011—Continued

Eligibility status, year, and jurisdiction	Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>Information not available</b>							
1998 <sup>1</sup>	Nation (public)	7*	225	30	70	38	10
	North Carolina	5*	223	29	71	35	5
1998	Nation (public)	7*	219	35	65	33	9
	North Carolina	5*	216	39	61	31	7
2002	Nation (public)	7*	217	38	62	30	7
	North Carolina	4	222	33	67	30	7
2003	Nation (public)	4*	219	35	65	33	8
	North Carolina	6*	233	24	76	46	13
2005	Nation (public)	2*	218	38	62	32	8
	North Carolina	1	‡	‡	‡	‡	‡
2007	Nation (public)	1*	220	34	66	33	9
	North Carolina	2	226	27	73	34	8
2009	Nation (public)	1	219	38	62	31	9
	North Carolina	1	232	17	83	47	8
2011	Nation (public)	1	224	29	71	34	10
	North Carolina	#	‡	‡	‡	‡	‡

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

***Grade 8 Scale Score Results by Free/Reduced-Price School Lunch Eligibility***

- In 2011, students in North Carolina eligible for free/reduced-price lunch had an average reading scale score of 252. This was lower than that of students in North Carolina not eligible for this program (274).
- In 2011, students in North Carolina who were eligible for free/reduced-price school lunch had an average score that was lower than that of students who were not eligible by 22 points. In 1998, the average score for students in North Carolina who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 24 points.
- Students in North Carolina eligible for free/reduced-price lunch had an average scale score (252) in 2011 that was not significantly different from that of students in the nation who were eligible (251).
- In North Carolina, students eligible for free/reduced-price lunch had an average reading scale score in 2011 that was higher than that of eligible students in 1998, 2003, 2005, 2007, and 2009, but not significantly different from that of eligible students in 2002.

***Grade 8 Achievement-Level Results by Free/Reduced-Price School Lunch Eligibility***

- In North Carolina, 18 percent of students who were eligible for free/reduced-price lunch and 44 percent of those who were not eligible for this program performed at or above *Proficient* in 2011. These percentages were significantly different from one another.
- For students in North Carolina in 2011 who were eligible for free/reduced-price lunch, the percentage at or above *Proficient* (18 percent) was not significantly different from the corresponding percentage for their counterparts around the nation (18 percent).
- In North Carolina, the percentage of students eligible for free/reduced-price lunch who performed at or above *Proficient* in 2011 was greater than the corresponding percentages in 2003 and 2005, but not significantly different from the corresponding percentages in 1998, 2002, 2007, and 2009.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
6-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2011

Eligibility status, year, and jurisdiction	Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Eligible</b>						
1998 <sup>1</sup> Nation (public)	30 *	246 *	44 *	56 *	15 *	#
North Carolina	30 *	249	41	59	15	#
1998 Nation (public)	30 *	245 *	45 *	55 *	14 *	# *
North Carolina	31 *	247 *	42	58	14	#
2002 Nation (public)	34 *	249 *	40 *	60 *	17 *	1
North Carolina	37 *	253	37	63	19	1
2003 Nation (public)	36 *	246 *	44 *	56 *	15 *	1
North Carolina	37 *	247 *	44 *	56 *	13 *	#
2005 Nation (public)	39 *	247 *	43 *	57 *	15 *	1
North Carolina	39 *	244 *	45 *	55 *	14 *	1
2007 Nation (public)	40 *	247 *	42 *	58 *	15 *	1 *
North Carolina	44 *	246 *	43	57	14	1
2009 Nation (public)	43 *	249 *	40 *	60 *	16 *	1 *
North Carolina	44 *	245 *	44 *	56 *	14	1
2011 Nation (public)	48	251	37	63	18	1
North Carolina	50	252	37	63	18	1
<b>Not eligible</b>						
1998 <sup>1</sup> Nation (public)	58 *	269 *	20 *	80 *	38 *	3 *
North Carolina	63 *	271	16	84	39	3 *
1998 Nation (public)	58 *	268 *	21 *	79 *	37 *	3 *
North Carolina	62 *	271 *	17	83	39	3
2002 Nation (public)	57 *	271 *	17 *	83 *	40 *	3 *
North Carolina	53	273	15	85	40	3
2003 Nation (public)	58 *	271 *	18 *	82 *	39 *	4 *
North Carolina	52	270 *	18	82	37 *	3
2005 Nation (public)	59 *	270 *	19 *	81 *	38 *	4 *
North Carolina	60 *	267 *	22 *	78 *	35 *	3
2007 Nation (public)	58 *	271 *	18 *	82 *	39 *	4 *
North Carolina	55 *	270 *	18	82	39	3
2009 Nation (public)	56 *	273 *	16 *	84 *	41 *	4 *
North Carolina	55 *	271 *	19 *	81 *	40	4
2011 Nation (public)	52	275	15	85	44	5
North Carolina	49	274	15	85	44	5

See notes at end of table.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
6-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by National School Lunch Program eligibility status, year, and jurisdiction: Various years, 1998–2011—Continued

Eligibility status, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Information not available</b>							
1998 <sup>1</sup>	Nation (public)	12*	265	25	75	35	4
	North Carolina	7*	261	27	73	28	2
1998	Nation (public)	11*	264	27	73	34	3
	North Carolina	7*	258	29	71	26	1
2002	Nation (public)	10*	264	25	75	32	4
	North Carolina	10*	266	21	79	34	3
2003	Nation (public)	6*	262	28	72	31	3
	North Carolina	11*	271	20	80	39	5
2005	Nation (public)	3*	258	31	69	28	3
	North Carolina	1	‡	‡	‡	‡	‡
2007	Nation (public)	1*	255	34	66	27	3
	North Carolina	1	‡	‡	‡	‡	‡
2009	Nation (public)	1*	259	31	69	29	3
	North Carolina	1	‡	‡	‡	‡	‡
2011	Nation (public)	#	265	27	73	32	5
	North Carolina	#	‡	‡	‡	‡	‡

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

## Type of Location

Schools that participated in the assessment were classified as being located in four mutually exclusive types of communities: city, suburb, town, and rural. These categories indicate the geographic locations of schools. "City" is a geographical term meaning the principal city of a U.S. Census Bureau-defined Core-Based Statistical Area and is not synonymous with "inner city." The criteria for classifying schools with respect to type of location changed for 2007; therefore, only comparisons between 2007, 2009, and 2011 are available. More detail on the changes for the classification of type of location is available at [http://nces.ed.gov/ccd/Rural\\_Locales.asp](http://nces.ed.gov/ccd/Rural_Locales.asp).

Tables 7-A and 7-B show average scale scores and percentage of students by achievement-level data for public school students at grades 4 and 8 in North Carolina and the nation, by type of location (for 2007, 2009, and 2011 only).

### **Grade 4 Scale Score Results by Type of Location**

- In 2011, the average scale score of students in North Carolina attending public schools in city locations was not significantly different from the scores of students in suburban, town, and rural schools.
- In 2011, students attending public schools in city and town locations in North Carolina had average scale scores that were higher than the average scale scores of students in city and town locations in the nation.
- In 2011, students attending public schools in suburban and rural locations in North Carolina had average scale scores that were not significantly different from the average scale scores of students in suburban and rural locations in the nation.
- In 2011, students attending public schools in town locations in North Carolina had an average scale score that was higher than the average scale score of students in town locations in 2007 in North Carolina, but not significantly different from the average scale score of students in town locations in 2009 in North Carolina.
- In 2011, students attending public schools in city, suburban, and rural locations in North Carolina had average scale scores that were not significantly different from the average scale scores of students in city, suburban, and rural locations in 2007 and 2009 in North Carolina.

### **Grade 4 Achievement-Level Results by Type of Location**

- In 2011, the percentage of students in North Carolina's public schools in city locations who performed at or above *Proficient* was not significantly different from the corresponding percentages of students in suburban, town, and rural schools.
- The percentage of students in North Carolina's public schools in city locations who performed at or above *Proficient* in 2011 was greater than those of students in city locations in the nation.
- The percentages of students in North Carolina's public schools in suburban, town, and rural locations who performed at or above *Proficient* in 2011 were not significantly different from those of students in suburban, town, and rural locations in the nation.
- The percentages of students in North Carolina's public schools in city, suburban, town, and rural locations who performed at or above *Proficient* in 2011 were not significantly different from those of students in city, suburban, town, and rural locations in 2007 and 2009 in North Carolina.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
7-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by type of location, year, and jurisdiction: 2007, 2009 and 2011

Type of location, year, and jurisdiction	Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced	
<b>City</b>							
2007	Nation (public)	29	213	43	57	25	6
	North Carolina	29	217	38	62	29	7
2009	Nation (public)	30	214	42	58	26	6
	North Carolina	28	218	37	63	32	8
2011	Nation (public)	29	213	42	58	26	6
	North Carolina	27	220	35	65	33	9
<b>Suburb</b>							
2007	Nation (public)	37	224	29	71	37	9
	North Carolina	17	223	30	70	36	10
2009	Nation (public)	36	224	30	70	36	9
	North Carolina	17	226	30	70	40	10
2011	Nation (public)	36	225	29	71	37	9
	North Carolina	18	228	26	74	40	11
<b>Town</b>							
2007	Nation (public)	12	218	35	65	29	6
	North Carolina	12	212*	42	58	21	3
2009	Nation (public)	12	217	36	64	28	5
	North Carolina	13	217	38	62	27	5
2011	Nation (public)	12	217	36	64	29	5
	North Carolina	10	223	29	71	32	6
<b>Rural</b>							
2007	Nation (public)	22	222	31	69	33	7
	North Carolina	41	218	36	64	28	5
2009	Nation (public)	22	222	31	69	33	7
	North Carolina	43	219	34	66	31	6
2011	Nation (public)	23	223	30	70	35	7
	North Carolina	45	220	33	67	32	7

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208—237; *Proficient*, 238—267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007, 2009 and 2011 Reading Assessments.

**Grade 8 Scale Score Results by Type of Location**

- In 2011, the average scale score of students in North Carolina attending public schools in city locations was not significantly different from the scores of students in suburban, town, and rural schools.
- In 2011, students attending public schools in city locations in North Carolina had an average scale score that was higher than the average scale score of students in city locations in the nation.
- In 2011, students attending public schools in suburban, town, and rural locations in North Carolina had average scale scores that were not significantly different from the average scale scores of students in suburban, town, and rural locations in the nation.
- In 2011, students attending public schools in rural locations in North Carolina had an average scale score that was higher than the average scale score of students in rural locations in 2009 in North Carolina, but not significantly different from the average scale score of students in rural locations in 2007 in North Carolina.
- In 2011, students attending public schools in city, suburban, and town locations in North Carolina had average scale scores that were not significantly different from the average scale scores of students in city, suburban, and town locations in 2007 and 2009 in North Carolina.

**Grade 8 Achievement-Level Results by Type of Location**

- In 2011, the percentage of students in North Carolina's public schools in city locations who performed at or above *Proficient* was not significantly different from the corresponding percentages of students in suburban, town, and rural schools.
- The percentage of students in North Carolina's public schools in city locations who performed at or above *Proficient* in 2011 was greater than those of students in city locations in the nation.
- The percentages of students in North Carolina's public schools in suburban, town, and rural locations who performed at or above *Proficient* in 2011 were not significantly different from those of students in suburban, town, and rural locations in the nation.
- The percentages of students in North Carolina's public schools in city, suburban, town, and rural locations who performed at or above *Proficient* in 2011 were not significantly different from those of students in city, suburban, town, and rural locations in 2007 and 2009 in North Carolina.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
7-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by type of location, year, and jurisdiction: 2007, 2009 and 2011

Type of location, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>City</b>							
2007	Nation (public)	28	254*	36*	64*	23*	2*
	North Carolina	25	256	32	68	25	2
2009	Nation (public)	27	256*	34	66	24	2*
	North Carolina	22	258	34	66	29	3
2011	Nation (public)	29	257	32	68	26	2
	North Carolina	24	264	28	72	33	4
<b>Suburb</b>							
2007	Nation (public)	36	265*	24*	76*	34*	3*
	North Carolina	15	269	20	80	38	3
2009	Nation (public)	36	266	23	77	35	3*
	North Carolina	18	268	21	79	37	4
2011	Nation (public)	36	267	22	78	36	4
	North Carolina	15	265	24	76	33	3
<b>Town</b>							
2007	Nation (public)	13	261*	27	73	28	2
	North Carolina	15	255	34	66	25	2
2009	Nation (public)	14	261	27	73	28	2*
	North Carolina	14	256	35	65	27	3
2011	Nation (public)	13	263	25	75	30	2
	North Carolina	14	257	32	68	26	1
<b>Rural</b>							
2007	Nation (public)	22	264*	24*	76*	31*	2
	North Carolina	45	259	29	71	27	2
2009	Nation (public)	23	264*	23	77	31*	2*
	North Carolina	46	258*	30	70	26	2
2011	Nation (public)	23	266	22	78	33	3
	North Carolina	48	264	24	76	31	3

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243—280; *Proficient*, 281—322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007, 2009 and 2011 Reading Assessments.

## Parents' Highest Level of Education

Eighth-grade students who participated in the NAEP 2011 assessment were asked to indicate the highest level of education they thought their father and their mother had completed. Five response options—did not finish high school, graduated from high school, some education after high school, graduated from college, and "I don't know"—were offered. The highest level of education reported for either parent was used in the analysis. Fourth-graders were not asked about their parents' education level because their responses in previous NAEP assessments were not reliable, and a large percentage of them chose the "I don't know" option.

The results by highest level of parental education are shown in table 8.

### ***Grade 8 Scale Score Results by Parents' Highest Level of Education***

- In 2011, students in North Carolina who reported that a parent had graduated from college had an average scale score that was higher than the average scores of students with a parent in any of the following education categories: graduated from high school and did not finish high school, but was not significantly different from the average score of students with a parent in any of the following education categories: some education after high school.
- In 2011, the average scale score for students in North Carolina who reported that a parent had graduated from college was lower than the score of students in the nation.
- In 2011, the average scale scores for students in North Carolina who reported that a parent had some education after high school, had graduated from high school, or had not finished high school were not significantly different from the corresponding scores of students in the nation.
- In 2011, the average scale scores for students in North Carolina who reported that a parent had graduated from college, had some education after high school, had graduated from high school, or had not finished high school were not significantly different from the corresponding scores of students in 1998, 2002, 2003, 2005, 2007, and 2009.

### ***Grade 8 Achievement-Level Results by Parents' Highest Level of Education***

- In 2011, the percentage of students performing at or above *Proficient* in North Carolina who reported that a parent had graduated from college was greater than the percentage for students whose parents' highest level of education was in any of the following education categories: graduated from high school and did not finish high school, but was not significantly different from the percentage for students whose parents' highest level of education was in any of the following education categories: some education after high school.
- In 2011, the percentages of students in North Carolina reporting that a parent had graduated from college, had some education after high school, had graduated from high school, or had not finished high school and who performed at or above *Proficient* were not significantly different from the corresponding percentages of students in the nation.
- In 2011 in North Carolina, the respective percentages of students reporting that a parent had graduated from college, had some education after high school, had graduated from high school, or had not finished high school and who performed at or above *Proficient* were not significantly different from the corresponding percentages of students in 1998, 2002, 2003, 2005, 2007, and 2009.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
8**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by highest parental education level, year, and jurisdiction: Various years, 1998–2011

Highest parental education level, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Did not finish high school</b>							
1998 <sup>1</sup>	Nation (public)	8	242*	49*	51*	11	#
	North Carolina	7	246	44	56	13	#
1998	Nation (public)	8	242*	49*	51*	11	#
	North Carolina	8	241	50	50	11	#
2002	Nation (public)	7*	247	42	58	14	#
	North Carolina	6	251	37	63	16	#
2003	Nation (public)	7*	245*	45*	55*	13	#
	North Carolina	7	245	45	55	12	#
2005	Nation (public)	8	244*	47*	53*	12	#
	North Carolina	6	239	53	47	10	#
2007	Nation (public)	8	245*	44	56	12	#
	North Carolina	7	242	47	53	10	#
2009	Nation (public)	8	247	41	59	14	#
	North Carolina	7	246	45	55	15	#
2011	Nation (public)	8	247	41	59	13	#
	North Carolina	7	245	46	54	15	#
<b>Graduated from high school</b>							
1998 <sup>1</sup>	Nation (public)	23*	253	36	64	21	1
	North Carolina	22*	250	38	62	16	#
1998	Nation (public)	23*	253	36	64	20	1
	North Carolina	21*	252	36	64	16	#
2002	Nation (public)	18*	256*	31*	69*	21	1
	North Carolina	18	255	32	68	17	1
2003	Nation (public)	18*	253	35	65	19	1
	North Carolina	18	251	39	61	17	1
2005	Nation (public)	18*	252*	37*	63*	18*	1
	North Carolina	19	248	42	58	17	1
2007	Nation (public)	17*	252*	36	64	18	1
	North Carolina	18	249	40	60	17	1
2009	Nation (public)	17*	253	34	66	18	1
	North Carolina	17	247	42	58	15	1
2011	Nation (public)	17	254	34	66	20	1
	North Carolina	17	253	35	65	18	1

See notes at end of table.

**Table  
8**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by highest parental education level, year, and jurisdiction: Various years, 1998–2011—Continued

Highest parental education level, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Some education after high school</b>							
1998 <sup>1</sup>	Nation (public)	18 *	268	20	80	35	2
	North Carolina	20 *	268	18	82	33	2
1998	Nation (public)	18 *	267	22	78	34	2
	North Carolina	20 *	267	19	81	33	2
2002	Nation (public)	20 *	267	19	81	33	2
	North Carolina	23 *	269	19	81	34	2
2003	Nation (public)	18 *	266	21	79	32	2
	North Carolina	19 *	265	23	77	29	1
2005	Nation (public)	18 *	265 *	23 *	77 *	31	2
	North Carolina	21 *	263	24	76	29	2
2007	Nation (public)	17 *	265 *	21	79	31	2
	North Carolina	18	263	23	77	32	2
2009	Nation (public)	17 *	266	21	79	31	2
	North Carolina	18	264	23	77	31	2
2011	Nation (public)	16	266	20	80	32	2
	North Carolina	16	268	20	80	35	3
<b>Graduated from college</b>							
1998 <sup>1</sup>	Nation (public)	42 *	272	18	82	42	4
	North Carolina	44 *	273	15	85	43	3
1998	Nation (public)	42 *	271 *	19 *	81 *	41	4
	North Carolina	43 *	272	16	84	42	3
2002	Nation (public)	46 *	273	17	83	42	4
	North Carolina	45 *	274	15	85	44	4
2003	Nation (public)	46 *	271 *	19 *	81 *	41 *	4 *
	North Carolina	46 *	271	19	81	39	4
2005	Nation (public)	46 *	270 *	20 *	80 *	40 *	4
	North Carolina	44 *	266	23	77	36	4
2007	Nation (public)	46 *	271 *	18 *	82 *	40 *	4 *
	North Carolina	46 *	269	20	80	38	4
2009	Nation (public)	47 *	272 *	17	83	42	4 *
	North Carolina	48	269	20	80	39	4
2011	Nation (public)	48	273	16	84	43	5
	North Carolina	51	271	19	81	40	4

See notes at end of table.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
8**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by highest parental education level, year, and jurisdiction: Various years, 1998–2011—Continued

Highest parental education level, year, and jurisdiction	Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>Unknown</b>						
1998 <sup>1</sup> Nation (public)	10*	241	51*	49*	12	#
North Carolina	7*	251	37	63	18	#
1998 Nation (public)	9*	241*	49	51	12	#
North Carolina	8	251	39	61	17	#
2002 Nation (public)	9*	246	44	56	14	#
North Carolina	8	251	41	59	15	1
2003 Nation (public)	11	242*	48*	52*	13	#
North Carolina	9	249	42	58	17	1
2005 Nation (public)	11	242*	49*	51*	12*	#
North Carolina	10	245	44	56	14	1
2007 Nation (public)	11	243*	47	53	12	1
North Carolina	11	244	45	55	12	#
2009 Nation (public)	11	243*	47	53	13	#
North Carolina	10	239	53	47	10	#
2011 Nation (public)	11	245	45	55	14	1
North Carolina	9	247	42	58	14	1

# Rounds to zero.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

<sup>1</sup> Accommodations were not permitted for this assessment.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

## A More Inclusive NAEP: Students With Disabilities and English Language Learners

To ensure that the samples are representative, NAEP has established policies and procedures to maximize the inclusion of all students in the assessment. Every effort is made to ensure that all selected students who are capable of participating meaningfully in the assessment are assessed. While some students with disabilities (SD) and/or English language learners (ELL) can be assessed without any special procedures, others require accommodations to participate in NAEP. Still other SD and/or ELL students selected by NAEP may not be able to participate. Local school staff who are familiar with these students are asked a series of questions to help them decide whether each student should participate in the assessment and whether the student needs accommodations.

Within any assessment year, exclusion and accommodation rates may vary across jurisdictions. In addition, exclusion and accommodation rates may increase or decrease between assessment administrations, making it difficult to interpret comparisons over time within jurisdictions. Since SD and/or ELL students tend to score below average on assessments, the exclusion of students from these groups may result in a higher average score than if those students had taken the assessment. On the other hand, providing appropriate testing accommodations (e.g., providing extended time for some SD and/or ELL students to take the assessment) removes barriers that would otherwise prevent them from demonstrating their knowledge and skills.

Prior to 1998, testing accommodations were not provided for students with special needs in NAEP state reading assessments. For 1998, results are displayed for both the sample in which accommodations were permitted and the sample in which they were not permitted. Subsequent assessment results were based on the more inclusive samples.

Tables 9-A and 9-B display data for 4<sup>th</sup> and 8<sup>th</sup> grade students in North Carolina who were identified as SD and/or ELL, by whether they were excluded, assessed with accommodations, or assessed under standard conditions, as a percent of all 4<sup>th</sup> or 8<sup>th</sup> grade students in the state.

Tables 10-A and 10-B show the percentages of students assessed in North Carolina by disability status and their performance on the NAEP assessment in terms of average scores and percentages performing below *Basic*, at or above *Basic*, at or above *Proficient*, and at *Advanced* for grades 4 and 8 .

Tables 11-A and 11-B present the percentages of students assessed in North Carolina by ELL status, their average scores, and their performance in terms of the percentages below *Basic*, at or above *Basic*, at or above *Proficient*, and at *Advanced* for grades 4 and 8 .

Tables 12-A and 12-B present the total number of grades 4 and 8 students assessed in each of the participating states and the percentage of students sampled who were excluded.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
9-A**

Percentage of fourth-grade public school students identified as students with disabilities (SD) and/or English language learners (ELL) excluded and assessed in NAEP reading as a percentage of all students, by assessment year and testing status: Various years, 1992–2011

Year and testing status		SD and/or ELL		SD		ELL	
		North Carolina	Nation (public)	North Carolina	Nation (public)	North Carolina	Nation (public)
1992 <sup>1</sup>	<b>Identified</b>	<b>12</b>	<b>11</b>	<b>11</b>	<b>8</b>	<b>1</b>	<b>3</b>
	Excluded	4	6	4	5	1	2
	Assessed without accommodations	7	4	7	3	#	1
1994 <sup>1</sup>	<b>Identified</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>11</b>	<b>1</b>	<b>4</b>
	Excluded	5	6	5	5	1	2
	Assessed without accommodations	9	8	9	6	#	2
1998	<b>Identified</b>	<b>15</b>	<b>18</b>	<b>14</b>	<b>11</b>	<b>2</b>	<b>7</b>
	Excluded	7	7	6	5	1	3
	Assessed without accommodations	3	7	2	4	1	4
	Assessed with accommodations	6	3	6	3	#	1
2002	<b>Identified</b>	<b>19</b>	<b>21</b>	<b>17</b>	<b>13</b>	<b>5</b>	<b>9</b>
	Excluded	12	7	10	5	3	2
	Assessed without accommodations	3	10	3	4	1	6
	Assessed with accommodations	4	4	4	4	1	1
2003	<b>Identified</b>	<b>20</b>	<b>22</b>	<b>17</b>	<b>14</b>	<b>6</b>	<b>10</b>
	Excluded	7	6	6	5	2	2
	Assessed without accommodations	5	10	3	4	2	7
	Assessed with accommodations	8	5	7	5	2	1
2005	<b>Identified</b>	<b>22</b>	<b>23</b>	<b>17</b>	<b>14</b>	<b>7</b>	<b>11</b>
	Excluded	4	7	3	5	1	2
	Assessed without accommodations	5	10	3	4	2	7
	Assessed with accommodations	13	7	10	5	4	2
2007	<b>Identified</b>	<b>22</b>	<b>23</b>	<b>15</b>	<b>14</b>	<b>8</b>	<b>11</b>
	Excluded	3	6	2	5	1	2
	Assessed without accommodations	6	10	3	3	3	7
	Assessed with accommodations	13	7	10	6	4	2
2009	<b>Identified</b>	<b>19</b>	<b>23</b>	<b>15</b>	<b>13</b>	<b>6</b>	<b>11</b>
	Excluded	3	5	2	4	1	2
	Assessed without accommodations	5	9	3	3	2	6
	Assessed with accommodations	12	9	9	7	3	3
2011	<b>Identified</b>	<b>21</b>	<b>23</b>	<b>15</b>	<b>13</b>	<b>7</b>	<b>11</b>
	Excluded	2	4	2	3	#	1
	Assessed without accommodations	7	9	3	3	4	7
	Assessed with accommodations	12	10	10	7	3	4

# Rounds to zero.

<sup>1</sup> Accommodations were not permitted for this assessment year.

NOTE: Students identified as both SD and ELL were counted only once under the combined SD and/or ELL category, but were counted separately under the SD and ELL categories. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1992–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
9-B**

Percentage of eighth-grade public school students identified as students with disabilities (SD) and/or English language learners (ELL) excluded and assessed in NAEP reading as a percentage of all students, by assessment year and testing status: Various years, 1998–2011

Year and testing status		SD and/or ELL		SD		ELL	
		North Carolina	Nation (public)	North Carolina	Nation (public)	North Carolina	Nation (public)
1998	<b>Identified</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>11</b>	<b>1</b>	<b>3</b>
	Excluded	6	4	5	3	1	1
	Assessed without accommodations	3	7	3	5	#	2
	Assessed with accommodations	5	3	5	2	#	#
2002	<b>Identified</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>13</b>	<b>3</b>	<b>6</b>
	Excluded	9	6	8	5	2	2
	Assessed without accommodations	3	8	2	5	1	4
	Assessed with accommodations	6	4	6	4	#	1
2003	<b>Identified</b>	<b>18</b>	<b>19</b>	<b>16</b>	<b>14</b>	<b>4</b>	<b>6</b>
	Excluded	7	5	6	4	2	2
	Assessed without accommodations	3	8	2	5	1	4
	Assessed with accommodations	8	5	7	5	1	1
2005	<b>Identified</b>	<b>18</b>	<b>19</b>	<b>15</b>	<b>13</b>	<b>4</b>	<b>6</b>
	Excluded	4	5	3	4	1	1
	Assessed without accommodations	3	7	2	3	1	4
	Assessed with accommodations	11	6	10	6	1	1
2007	<b>Identified</b>	<b>18</b>	<b>19</b>	<b>15</b>	<b>13</b>	<b>4</b>	<b>7</b>
	Excluded	4	5	3	5	1	2
	Assessed without accommodations	3	7	2	3	1	4
	Assessed with accommodations	12	7	10	6	2	1
2009	<b>Identified</b>	<b>17</b>	<b>18</b>	<b>12</b>	<b>13</b>	<b>5</b>	<b>6</b>
	Excluded	2	4	2	4	1	1
	Assessed without accommodations	3	6	1	2	2	3
	Assessed with accommodations	12	8	10	7	3	1
2011	<b>Identified</b>	<b>18</b>	<b>18</b>	<b>14</b>	<b>13</b>	<b>5</b>	<b>6</b>
	Excluded	2	3	2	3	#	1
	Assessed without accommodations	4	5	2	2	2	3
	Assessed with accommodations	12	9	10	8	2	2

# Rounds to zero.

NOTE: Students identified as both SD and ELL were counted only once under the combined SD and/or ELL category, but were counted separately under the SD and ELL categories. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
10-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by students with disabilities (SD) status, year, and jurisdiction: Various years, 1998–2011

SD status, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>SD</b>							
1998	Nation (public)	7*	176*	76	24	8	1
	North Carolina	8*	169*	82*	18*	6	#
2002	Nation (public)	8*	187	71*	29*	9*	1
	North Carolina	7*	204*	56*	44*	18*	4
2003	Nation (public)	10*	184*	71*	29*	9*	1*
	North Carolina	11*	194*	64	36	13	2
2005	Nation (public)	10*	190*	67	33	11	2
	North Carolina	14	188	70	30	9	1
2007	Nation (public)	10*	190*	64*	36*	13*	2
	North Carolina	13	188	68	32	10	2
2009	Nation (public)	10*	189*	66*	34*	12	2
	North Carolina	13	187	66	34	12	2
2011	Nation (public)	11	186	68	32	11	2
	North Carolina	13	184	69	31	10	1
<b>Not SD</b>							
1998	Nation (public)	93*	216*	40*	60*	29*	7*
	North Carolina	92*	217*	38*	62*	29*	6*
2002	Nation (public)	92*	220*	35*	65*	31*	7*
	North Carolina	93*	223*	32*	68*	33*	7
2003	Nation (public)	90*	220*	35*	65*	32*	8*
	North Carolina	89*	225	31*	69*	35	9
2005	Nation (public)	90*	220*	34*	66*	32*	7*
	North Carolina	86	222*	33*	67*	33	8
2007	Nation (public)	90*	223*	31*	69*	34*	8
	North Carolina	87	223*	31*	69*	32*	7
2009	Nation (public)	90*	223*	31*	69*	34	8
	North Carolina	87	224	30	70	35	8
2011	Nation (public)	89	224	30	70	35	8
	North Carolina	87	227	26	74	37	9

# Rounds to zero.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for students with disabilities in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
10-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by students with disabilities (SD) status, year, and jurisdiction: Various years, 1998–2011

SD status, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>SD</b>							
1998	Nation (public)	8*	224	69	31	6	#
	North Carolina	8*	224	66	34	7	#
2002	Nation (public)	9*	227	65	35	6*	#
	North Carolina	9*	243*	48*	52*	12	#
2003	Nation (public)	10	224*	68*	32*	5*	#
	North Carolina	11	236*	58	42	11	#
2005	Nation (public)	9*	226*	67*	33*	6*	#
	North Carolina	13	221	71	29	5	#
2007	Nation (public)	9*	226*	66*	34*	7	#
	North Carolina	13	226	62	38	7	#
2009	Nation (public)	10*	229	63	37	8	#
	North Carolina	11	221	72	28	5	#
2011	Nation (public)	10	230	64	36	7	#
	North Carolina	12	227	67	33	6	#
<b>Not SD</b>							
1998	Nation (public)	92*	264*	25*	75*	32	2*
	North Carolina	92*	266	22	78	32	2
2002	Nation (public)	91*	266	22	78	33	3*
	North Carolina	91*	267	21	79	34	3
2003	Nation (public)	90	266*	23*	77*	33*	3*
	North Carolina	89	265*	24	76	31	3
2005	Nation (public)	91*	264*	25*	75*	31*	3*
	North Carolina	87	264*	25*	75*	30	3
2007	Nation (public)	91*	265*	24*	76*	31*	3*
	North Carolina	87	264*	24	76	31	2
2009	Nation (public)	90*	266*	22*	78*	33*	3*
	North Carolina	89	264*	25*	75*	32	3
2011	Nation (public)	90	267	21	79	34	3
	North Carolina	88	268	20	80	35	3

# Rounds to zero.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for students with disabilities in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
11-A**

Percentage of fourth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by English language learner (ELL) status, year, and jurisdiction: Various years, 1998–2011

ELL status, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>ELL</b>							
1998	Nation (public)	5*	174*	79*	21*	6	1
	North Carolina	1*	‡	‡	‡	‡	‡
2002	Nation (public)	7*	183	76*	24*	5	#
	North Carolina	2*	‡	‡	‡	‡	‡
2003	Nation (public)	8*	186*	72	28	7	1
	North Carolina	4*	201*	56	44	15	2
2005	Nation (public)	9*	187	73*	27*	7	1
	North Carolina	6	192	70	30	7	#
2007	Nation (public)	9*	188	70	30	7	1
	North Carolina	7	192	64	36	8	#
2009	Nation (public)	9*	188	71	29	6	#
	North Carolina	5*	189	67	33	11	1
2011	Nation (public)	11	188	70	30	7	1
	North Carolina	7	189	68	32	7	1
<b>Not ELL</b>							
1998	Nation (public)	95*	215*	41*	59*	29*	7*
	North Carolina	99*	213*	41*	59*	28*	6*
2002	Nation (public)	93*	219*	35*	65*	32*	7*
	North Carolina	98*	222	33*	67*	32	7
2003	Nation (public)	92*	219*	35*	65*	32*	8*
	North Carolina	96*	222	34*	66*	33	9
2005	Nation (public)	91*	220*	34*	66*	32*	7*
	North Carolina	94	219*	36*	64*	31*	7
2007	Nation (public)	91*	223*	31*	69*	34*	8
	North Carolina	93	220*	34*	66*	31*	7
2009	Nation (public)	91*	223*	31*	69*	34*	8
	North Carolina	95*	221	33*	67*	33	7
2011	Nation (public)	89	224	30	70	35	8
	North Carolina	93	224	29	71	36	9

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

NOTE: The NAEP grade 4 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; and *Advanced*, 268 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for English language learners in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
11-B**

Percentage of eighth-grade public school students, average scale score, and percentage at or above achievement levels in NAEP reading, by English language learner (ELL) status, year, and jurisdiction: Various years, 1998–2011

ELL status, year, and jurisdiction		Percentage of students	Average scale score	Below Basic	At or above Basic	At or above Proficient	At Advanced
<b>ELL</b>							
1998	Nation (public)	2*	217*	77	23	3	#
	North Carolina	#*	‡	‡	‡	‡	‡
2002	Nation (public)	5*	224	71	29	4	#
	North Carolina	1*	‡	‡	‡	‡	‡
2003	Nation (public)	5	222	71	29	5*	#
	North Carolina	2*	227	71	29	5	#
2005	Nation (public)	5	224	71	29	4	#
	North Carolina	3*	236	57	43	7	#
2007	Nation (public)	6	222	71	29	4	#
	North Carolina	3*	230	60	40	6	#
2009	Nation (public)	5	219*	75	25	3	#
	North Carolina	5	226	65	35	5	#
2011	Nation (public)	5	223	71	29	3	#
	North Carolina	4	233	62	38	3	#
<b>Not ELL</b>							
1998	Nation (public)	98*	262*	28*	72*	30*	2*
	North Carolina	100*	263	26	74	30	2
2002	Nation (public)	95*	265*	24	76	32	3*
	North Carolina	99*	265	23	77	32	2
2003	Nation (public)	95	263*	25*	75*	31*	3*
	North Carolina	98*	262	27	73	29	3
2005	Nation (public)	95	262*	27*	73*	30*	3*
	North Carolina	97*	259*	30*	70*	27*	2
2007	Nation (public)	94	263*	25*	75*	31*	2*
	North Carolina	97*	260*	28	72	29	2
2009	Nation (public)	95	265*	24	76	32*	3*
	North Carolina	95	261	28	72	30	3
2011	Nation (public)	95	266	23	77	33	3
	North Carolina	96	264	25	75	32	3

# Rounds to zero.

‡ Reporting standards not met.

\* Value is significantly different ( $p < .05$ ) from the value for the same jurisdiction and student group in 2011.

NOTE: The NAEP grade 8 reading scale ranges from 0 to 500. Achievement levels correspond to the following points on the NAEP reading scales: below *Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; and *Advanced*, 323 and above. At or above *Basic* includes *Basic*, *Proficient*, and *Advanced*. At or above *Proficient* includes *Proficient* and *Advanced*. Performance comparisons may be affected by differences in exclusion rates for English language learners in the NAEP samples and by differences in sample sizes. Detail may not sum to totals because of rounding. All differences were calculated and tested using unrounded numbers.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1998–2011 Reading Assessments.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
12-A**

Number of fourth-grade public school students assessed in NAEP reading and weighted percentage excluded, by state/jurisdiction: 2011

State/jurisdiction	Number assessed	Weighted percentage excluded
<b>Nation (public)</b>	<b>202,900</b>	<b>4</b>
Alabama	3,000	2
Alaska	2,800	2
Arizona	3,800	1
Arkansas	3,600	1
California	9,300	2
Colorado	3,600	1
Connecticut	3,200	2
Delaware	3,400	7
Florida	7,300	2
Georgia	5,300	6
Hawaii	3,500	2
Idaho	3,700	2
Illinois	5,200	2
Indiana	3,600	1
Iowa	3,500	1
Kansas	3,200	2
Kentucky	4,700	9
Louisiana	3,400	1
Maine	3,300	2
Maryland	4,300	10
Massachusetts	5,000	6
Michigan	4,100	4
Minnesota	3,700	2
Mississippi	3,000	1
Missouri	3,600	2
Montana	3,200	4
Nebraska	3,100	4
Nevada	4,000	1
New Hampshire	3,300	3
New Jersey	3,100	9
New Mexico	4,100	6
New York	4,800	3
North Carolina	5,400	2
North Dakota	3,000	6
Ohio	4,200	6
Oklahoma	3,100	5
Oregon	3,700	3
Pennsylvania	4,700	3
Rhode Island	3,300	2
South Carolina	3,400	3
South Dakota	3,300	3
Tennessee	3,400	7
Texas	8,900	10
Utah	4,000	4
Vermont	2,700	2
Virginia	3,800	3
Washington	4,000	3
West Virginia	3,100	2
Wisconsin	4,600	2
Wyoming	3,000	2
Other jurisdictions		
District of Columbia	2,200	3
DoDEA <sup>1</sup>	3,100	7

<sup>1</sup> Department of Defense Education Activity (domestic and overseas schools).

NOTE: The number of students assessed is rounded to the nearest hundred.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

# NAEP 2011 Reading Report for North Carolina (Embargoed)

## The Nation's Report Card 2011 State Assessment

**Table  
12-B**

Number of eighth-grade public school students assessed in NAEP reading and weighted percentage excluded, by state/jurisdiction: 2011

State/jurisdiction	Number assessed	Weighted percentage excluded
<b>Nation (public)</b>	<b>157,800</b>	<b>3</b>
Alabama	2,600	2
Alaska	2,400	2
Arizona	2,700	1
Arkansas	2,700	1
California	7,100	2
Colorado	2,600	2
Connecticut	2,600	2
Delaware	2,600	5
Florida	5,900	2
Georgia	3,900	4
Hawaii	2,800	2
Idaho	2,800	2
Illinois	4,100	2
Indiana	2,600	2
Iowa	2,600	1
Kansas	2,700	2
Kentucky	3,700	7
Louisiana	2,500	1
Maine	2,700	2
Maryland	3,300	8
Massachusetts	3,600	6
Michigan	3,800	5
Minnesota	2,900	3
Mississippi	2,500	1
Missouri	2,500	1
Montana	2,500	4
Nebraska	2,500	5
Nevada	2,700	2
New Hampshire	2,600	4
New Jersey	2,500	7
New Mexico	3,200	6
New York	4,000	3
North Carolina	4,200	2
North Dakota	2,100	8
Ohio	3,400	6
Oklahoma	2,400	4
Oregon	2,800	2
Pennsylvania	3,700	3
Rhode Island	2,600	1
South Carolina	2,600	5
South Dakota	2,900	3
Tennessee	2,600	6
Texas	7,200	6
Utah	2,800	4
Vermont	2,000	3
Virginia	2,600	4
Washington	3,000	2
West Virginia	2,700	1
Wisconsin	3,500	2
Wyoming	2,000	2
Other jurisdictions		
District of Columbia	2,400	3
DoDEA <sup>1</sup>	1,600	3

<sup>1</sup> Department of Defense Education Activity (domestic and overseas schools).

NOTE: The number of students assessed is rounded to the nearest hundred.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2011 Reading Assessment.

## Where to Find More Information

### The NAEP Reading Assessment

The latest news about the NAEP 2011 reading assessment and the results can be found on the NAEP website at <http://nces.ed.gov/nationsreportcard/reading/>. The individual snapshot reports for each participating state and other jurisdictions are also available in the state results section of the website at <http://nces.ed.gov/nationsreportcard/states/>.

*The Nation's Report Card: Reading 2011* may be ordered or downloaded at the NAEP website.

The *Reading Framework for the 2011 National Assessment of Educational Progress*, on which this assessment is based, is available at the National Assessment Governing Board website at <http://www.nagb.org/publications/frameworks/reading-2011-framework.pdf>.

### The NAEP Data Explorer (NDE)

The interactive database at <http://nces.ed.gov/nationsreportcard/naepdata/> includes student, teacher, and school variables for all participating districts, the nation, and public schools in large cities. Data tables are also available for districts, with all contextual questions cross-tabulated with the major demographic variables. Users can design and create tables and can perform tests of statistical significance at this website.

### Technical Documentation on the Web (TDW)

Technical documentation section of the NAEP website <http://nces.ed.gov/nationsreportcard/tdw/> contains information about the technical procedures and methods of NAEP. The TDW site is organized by topic (from Item Development through Analysis and Scaling) with subtopics, including information specific to a particular assessment. The content is written for researchers and assumes knowledge of educational measurement and testing.

### Publications on the inclusion of students with disabilities and English language learners

References for a variety of research publications related to the assessment of students with special needs may be found at <http://nces.ed.gov/nationsreportcard/about/inclusion.asp#research>.

### To order publications

Recent NAEP publications related to reading are listed on the reading page of the NAEP website and are available electronically. Publications can also be ordered from

Education Publications Center (ED Pubs)  
U.S. Department of Education  
P.O. Box 22207  
Alexandria, VA 22304

Call toll free: 1-877-4ED-Pubs (1-877-433-7827)  
TTY/TDD: 1-877-576-7734  
FAX: 1-301-470-1244  
Order online at: <http://www.edpubs.gov>.

The NAEP State Report Generator was developed for the NAEP 2011 reports by Phillip Leung, Bobby Rampey, Rebecca Moran, Rick Hasney, and Ming Kuang.

## What is the Nation's Report Card™?

The Nation's Report Card™ informs the public about the academic achievement of elementary and secondary students in the United States. Report cards communicate the findings of the National Assessment of Educational Progress (NAEP), a continuing and nationally representative measure of achievement in various subjects over time.

Since 1969, NAEP assessments have been conducted periodically in reading, mathematics, science, writing, U.S. history, civics, geography, and other subjects. NAEP collects and reports information on student performance at the national, state, and local levels, making the assessment an integral part of our nation's evaluation of the condition and progress of education. Only academic achievement data and related background information are collected. The privacy of individual students and their families is protected.

NAEP is a congressionally authorized project of the National Center for Education Statistics (NCES) within the Institute of Education Sciences of the U.S. Department of Education. The Commissioner of Education Statistics is responsible for carrying out the NAEP project. The National Assessment Governing Board oversees and sets policy for NAEP.

## U.S. Department of Education

### Arne Duncan

Secretary  
U.S. Department  
of Education

### John Q. Easton

Director  
Institute of  
Education Sciences

### Jack Buckley

Commissioner  
National Center for  
Education Statistics

### Peggy Carr

Associate Commissioner for  
Assessment  
National Center for Education  
Statistics

## The National Assessment Governing Board

### Honorable David P. Driscoll, Chair

Former Commissioner of Education  
Melrose, Massachusetts

### Mary Frances Taymans, Vice Chair

Sisters of Notre Dame  
National Education Office  
Bethesda, Maryland

### Andrés Alonso

Chief Executive Officer  
Baltimore City Public Schools  
Baltimore, Maryland

### David J. Alukonis

Former Chairman  
Hudson School Board  
Hudson, New Hampshire

### Louis M. Fabrizio

Data, Research and Federal Policy  
Director  
North Carolina Department of Public  
Instruction  
Raleigh, North Carolina

### Honorable Anitere Flores

Senator  
Florida State Senate  
Miami, Florida

### Alan J. Friedman

Consultant  
Museum Development and Science  
Communication  
New York, New York

### Shannon Garrison

Fourth-Grade Teacher  
Solano Avenue Elementary School  
Los Angeles, California

### Doris R. Hicks

Principal and Chief Executive Officer  
Dr. Martin Luther King, Jr. Charter School  
for Science and Technology  
New Orleans, Louisiana

### Honorable Terry Holliday

Commissioner of Education  
Kentucky Department of Education  
Lexington, Kentucky

### Richard Brent Houston

Principal  
Shawnee Middle School  
Shawnee, Oklahoma

### Hector Ibarra

Middle School Science Teacher  
Belin-Blank International Center and  
Talent Development  
Iowa City, Iowa

### Honorable Tom Luna

Idaho Superintendent of Public Instruction  
Boise, Idaho

### Honorable Jack Markell

Governor of Delaware  
Wilmington, Delaware

### Tonya Miles

General Public Representative  
Mitchellville, Maryland

### Dale Nowlin

Twelfth-Grade Teacher  
Columbus North High School  
Columbus, Indiana

### Honorable Sonny Perdue

Governor of Georgia  
Atlanta, Georgia

### Susan Pimentel

Educational Consultant  
Hanover, New Hampshire

### W. James Popham

Professor Emeritus  
Graduate School of Education and  
Information Studies  
University of California, Los Angeles  
Wilsonville, Oregon

### Andrew C. Porter

Dean  
Graduate School of Education  
University of Pennsylvania  
Philadelphia, Pennsylvania

### B. Fielding Rolston

Chairman  
Tennessee State Board of Education  
Kingsport, Tennessee

### Cary Sneider

Associate Research Professor  
Portland State University  
Portland, Oregon

### Blair Taylor

President and CEO  
Los Angeles Urban League  
Los Angeles, California

### Honorable Leticia Van de Putte

Senator  
Texas State Senate  
San Antonio, Texas

### Eileen L. Weiser

General Public Representative  
Ann Arbor, Michigan

### John Q. Easton (Ex officio)

Director  
Institute of Education Sciences  
U.S. Department of Education  
Washington, D.C.

### Cornelia S. Orr

Executive Director  
National Assessment Governing Board  
Washington, D.C.

