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ABSTRACT

The second volume of the third annual National Education Goals Report contains profiles of the achievements of each state, the District of Columbia, and five territories toward the National Education Goals of 1990, which derived from the National Education Summit of 1989. In brief, the goals for achievement by the year 2000: (1) all children in America will start school ready to learn; (2) the high school graduation rate will increase to at least 90 percent; (3) American students will leave grades 4, 8, and 12 having demonstrated competence in particular areas, prepared for responsible citizenship; (4) U.S. students will be first in the world in science and mathematics achievement; (5) every adult will be literate and possess the knowledge and skills needed in a global economy; and (6) every school will be free of drugs and violence. The profile for each state summarizes indicators for each of the six goals, with tabulated data and a bar graph for each goal for which information is available. The four-page profile for each state lists (1) direct measures of the goal; and (2) measures of the objectives. When available, baseline and 1993 Goals Report data are provided. Appended are 24 references and technical notes relating to the statistical data. (SLD)

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THE NATIONAL EDUCATION GOALS REPORT

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Volume Two:
State Reports

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1993

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BUILDING A NATION OF LEARNERS

THE NATIONAL EDUCATION GOALS REPORT

BUILDING A NATION
OF LEARNERS

Volume Two:
State Reports

2000



1993

NATIONAL EDUCATION GOALS PANEL
1850 M STREET, N.W. SUITE 270
WASHINGTON, D.C. 20036

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Foreword

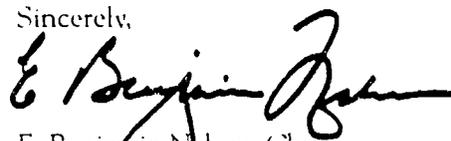
The National Education Goals remain at the forefront of the movement to *build a nation of learners*. In the past year, the Presidency changed hands, as have over half the Governorships in the four years since the Education Summit in Charlottesville, Virginia. These changes serve to underscore the continuity, bipartisanship, and long-term nature of the National Goals process.

Where vision and commitment count the most, however, is at the community and neighborhood levels. Only through an enduring partnership of families, educators, employers, and other dedicated citizens can America's learning enterprise — our local schools — be transformed to help *all* our children reach their full potential. Only then will we become a nation of lifelong learners. And only then can we be confident of meeting the competition in this global economy, assuring a high quality of life, and preserving our democratic system and ideals.

This Report continues our commitment to let the American people know the results we are getting in education. We strive to present the facts plainly, this year in two volumes: Volume 1 describes our educational standing as a nation, while Volume 2 profiles performance in the individual states. We also offer a vision of how high standards can help mobilize grass-roots partnerships and move the United States toward quality education. And continue to move forward we must — at an accelerated pace — in order to attain the Goals by the year 2000.

Over the past year, the National Education Goals Panel has worked hard to bring the Goals and the vision of high-performance learning for *all* to this nation's communities. The theme for this third annual Report, "Setting Standards, Becoming the Best," highlights that outreach and partnership effort. Along with state and local goals, vision documents, and progress reports, we hope this Report will become a tool for continuous improvement.

Sincerely,



E. Benjamin Nelson, Chair
(August 1992 - August 1993)
National Education Goals Panel, and
Governor of Nebraska

Governors

John R. McKernan, Jr., Chair
(August 1993-August 1994)
National Education Goals Panel, and
Governor of Maine

Evan Bayh,
Governor of Indiana

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Jeff Bingaman,
U.S. Senator
State of New Mexico

Thad Cochran,
U.S. Senator
State of Mississippi

William Goodling,
U.S. Representative
State of Pennsylvania

Dale Kildee,
U.S. Representative
State of Michigan

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The National Education Goals

Goal 1: By the year 2000, all children in America will start school ready to learn.

Objectives:

- All disadvantaged and disabled children will have access to high quality and developmentally appropriate preschool programs that help prepare children for school.
- Every parent in America will be a child's first teacher and devote time each day helping his or her preschool child learn; parents will have access to the training and support they need.
- Children will receive the nutrition and health care needed to arrive at school with healthy minds and bodies, and the number of low-birthweight babies will be significantly reduced through enhanced prenatal health systems.

Goal 2: By the year 2000, the high school graduation rate will increase to at least 90 percent.

Objectives:

- The nation must dramatically reduce its dropout rate, and 75 percent of those students who do drop out will successfully complete a high school degree or its equivalent.
- The gap in high school graduation rates between American students from minority backgrounds and their non-minority counterparts will be eliminated.

Goal 3: By the year 2000, American students will leave grades four, eight, and twelve having demonstrated competency in challenging subject matter, including English, mathematics, science, history, and geography; and every school in America will ensure that all students learn to use their minds well, so they may be prepared for responsible citizenship, further learning, and productive employment in our modern economy.

Objectives:

- The academic performance of elementary and secondary students will increase significantly in every quartile, and the distribution of minority students in each level will more closely reflect the student population as a whole.
- The percentage of students who demonstrate the ability to reason, solve problems, apply knowledge, and write and communicate effectively will increase substantially.
- All students will be involved in activities that promote and demonstrate good citizenship, community service, and personal responsibility.
- The percentage of students who are competent in more than one language will substantially increase.
- All students will be knowledgeable about the diverse cultural heritage of this nation and about the world community.

Goal 4: By the year 2000, U.S. students will be first in the world in science and mathematics achievement.

Objectives:

- Math and science education will be strengthened throughout the system, especially in the early grades.
- The number of teachers with a substantive background in mathematics and science will increase by 50 percent.
- The number of U.S. undergraduate and graduate students, especially women and minorities, who complete degrees in mathematics, science, and engineering will increase significantly.

Goal 5: By the year 2000, every adult American will be literate and will possess the knowledge and skills necessary to compete in a global economy and exercise the rights and responsibilities of citizenship.

Objectives:

- Every major American business will be involved in strengthening the connection between education and work.
- All workers will have the opportunity to acquire the knowledge and skills, from basic to highly technical, needed to adapt to emerging new technologies, work methods, and markets through public and private educational, vocational, technical, workplace, or other programs.

- The number of quality programs, including those at libraries, that are designed to serve more effectively the needs of the growing number of part-time and mid-career students will increase substantially.
- The proportion of those qualified students (especially minorities) who enter college, who complete at least two years, and who complete their degree programs will increase substantially.
- The proportion of college graduates who demonstrate an advanced ability to think critically, communicate effectively, and solve problems will increase substantially.

Goal 6: By the year 2000, every school in America will be free of drugs and violence and will offer a disciplined environment conducive to learning.

Objectives:

- Every school will implement a firm and fair policy on use, possession, and distribution of drugs and alcohol.
- Parents, businesses, and community organizations will work together to ensure that schools are a safe haven for all children.
- Every school district will develop a comprehensive K-12 drug and alcohol prevention education program. Drug and alcohol curriculum should be taught as an integral part of health education. In addition, community-based teams should be organized to provide students and teachers with needed support.

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Introduction

This third annual National Education Goals Report continues an unprecedented process of national education renewal begun at the Charlottesville Education Summit in 1989. Four years ago the nation's Governors and the President agreed on six national Goals for education to be achieved by the year 2000. The Goals were intended to energize public opinion and ongoing education reform efforts by holding us to much higher expectations for all students and for the schools and learning systems that serve them. The Governors and the President envisioned a system that would be "world-class" from early childhood through adulthood. Specifically, they challenged all of us to expect that by the beginning of the next century:

1. All children in America will start school ready to learn.
2. The high school graduation rate will increase to at least 90 percent.
3. American students will leave grades four, eight, and twelve having demonstrated competency in challenging subject matter, including English, mathematics, science, history, and geography; and every school in America will ensure that all students learn to use their minds well, so they may be prepared for responsible citizenship, further learning, and productive employment in our modern economy.
4. U.S. students will be first in the world in science and mathematics achievement.
5. Every adult American will be literate and will possess the knowledge and skills necessary to compete in a global economy and exercise the rights and responsibilities of citizenship.
6. Every school in America will be free of drugs and violence and will offer a disciplined environment conducive to learning.

The Initial Challenge: Creating a National Goals Accountability Process

The President and the nation's Governors understood that creating national education goals would prove a hollow gesture without also establishing a process for holding the nation and the states account-

able for their attainment. They established the National Education Goals Panel to be at the center of that process. The Panel is comprised of eight Governors, two senior national Administration officials, and four members of Congress. Representation is balanced equally among Democrats and Republicans. This unique intergovernmental and bipartisan partnership is indicative of a commitment to a results-based national goals accountability system that transcends levels of governance and political affiliation. Significantly, the Goals Panel has continued through two national Administrations of opposite political parties.

Since its creation in July of 1990, the Panel has worked hard to lay a foundation upon which to build a cumulative record of progress. Each year at the anniversary of the Charlottesville Summit, the Panel issues a comprehensive report to the nation on the progress being made in achieving each of the six National Education Goals. The purpose of these reports is not measurement for measurement's sake, but rather to reinforce our common commitment to the National Goals process by clearly revealing where we have made progress and where we need to work harder.

With the encouragement and support of the Goals Panel, states and local communities throughout the nation have begun to create their own new education reporting mechanisms for charting their progress in achieving the National Education Goals. They also continue to organize their education reform strategies around the Goals framework.

The Challenges Ahead: Developing Voluntary Nationwide Standards and Communicating with the American People

This third annual National Goals Report focuses on the rationale for and potential implications of the movement it has come to be most closely associated with: establishing voluntary nationwide education standards. The creation of a central framework and structure for reporting progress on the National Education Goals was a major initial accomplishment of the Panel. Early on, however, the Panel recognized that for the Goals to be achieved, clear nationwide standards, reflecting what it is we want *all* students to know and be able to do, needed to be developed. In 1991, the Panel helped to create the National Council on Education Standards and Testing (NCEST) and later endorsed the Council's recommendations for

nationwide standards-setting and related new systems of student assessment.

The publication of the NCEST Report in January 1992 led to an explosion of new efforts to define education standards at the national, state, and local levels. Because of these efforts, there will soon be a common understanding of the content knowledge we want all children and young people to master. Associations, researchers, educators, and policymakers are working together to establish content standards in major subject areas—mathematics, science, history, geography, language arts, foreign languages, and the arts. In addition, the best professional knowledge is being applied to another important task—to create performance standards, or determining how good is good enough in learning content in the different subjects.

The Goals Panel will continue to be integral to these efforts and is confident that they place us on a trajectory for achieving the National Education Goals. We also believe, however, that for standards-based reform to actually lead to accomplishing the Goals, we should follow five critical principles:

1. **The development of nationwide standards must be highly inclusive, blending expert classroom knowledge with that of researchers, policymakers, and the general public.** Previous attempts to set education standards have taught us that for this process to succeed, no single individual, group, or constituency can establish them. What is needed is a broad-based national dialogue of what we should expect all our students to know and be able to do, out of which an informed consensus can emerge.
2. **The standards must not be considered a uniform national curriculum.** Rather, they should be viewed as guides and goals, establishing criteria for the development of unique and independent state and local curricula and instructional practices.
3. **The standards must be deliberately set at high levels.** After more than ten years of intensive attempts to reform American public education, two compelling facts are evident — expectations for student achievement have been disastrously low for all students, and these low expectations play a critical role in explaining our poor educational performance. The National Education Goals and the nationwide standards-setting process must commit us to high levels of mastery of knowledge by every child.

4. **The standards must be viewed as dynamic, subject to periodic review and change.** Standards should be reviewed and modified at regular intervals so that American students keep pace with the growth of knowledge.

5. **The importance of nationwide standards must be clearly and effectively communicated to the American people.** We have started a crucial effort that will only be successful if the public is committed to it. The American people must understand that the nationwide standards movement has the potential to give every child an excellent education. They must view the standards as a platform that can raise the level of education for all children, rather than as a gate that allows some in and keeps others out.

The National Education Goals Panel is committed to promoting these principles. It plans to work along with a new National Education Standards and Improvement Council and others to develop criteria and a process for reviewing and approving nationwide standards that are consistent with these criteria, and to educate the public on the subject of nationwide standards.¹ The Panel already has begun initial efforts in this regard by soliciting recommendations for standards review criteria and procedures from one of its commissioned Task Forces and by focusing this third Goals Report on the nature, importance, and future of the nationwide standards-setting movement.

With this third annual Report, the Goals Panel also begins its most concerted effort to date to communicate with the American people about the importance of the National Education Goals, the work of the Panel, and the relevance of these efforts to all Americans. It is clear that our efforts have had a major positive influence on the education reform movement and its emphasis on new systems of accountability and high standards. And key Panel findings, such as those published last year on international comparisons of student achievement and attitudes about educational performance, have served to reinforce among the education policy community the need for fundamental education reform and restructuring.

However, while this is gratifying, knowledge and commitment on the part of our education leaders is not enough. The National Education Goals can only be met with adequate understanding and commitment by the American people. This public commitment does not yet exist. For example, according to recent studies by the Public Agenda Foundation, the general

¹ The specific nature of Panel efforts in this regard will await the disposition of legislation currently before Congress.

public believes that a top education priority is to make sure that all students graduate with at least an eighth-grade education. However, the Goals Panel and other education leaders have consistently emphasized the need for all students to learn at demonstrably higher levels, so that the nation will be strong and prosperous in an increasingly skilled and global economy.

The Goals Panel is working to bridge this perception gap. Evidence of this new thrust is seen in the opening Report chapter, "Setting Standards: Being the Best," which describes for citizens the meaning and importance of "world-class" nationwide education standards. The Executive Summary has a new format this year that focuses on the importance and implications of key Panel findings on our progress in achieving the National Goals for parents and citizens. These changes, as well as other modifications to improve the readability of this Goals Report, should be viewed as precursors to sustained efforts planned for the coming year to increase public understanding of, and support for, the National Education Goals process.

In future months, the Panel will continue to strengthen its activities to underscore for the American people how world-class standards can improve the quality and nature of learning. It also will engage in other efforts designed to stimulate informed bottom-up, community-based reform that addresses local needs within the context of national priorities.

Key 1993 Goals Report Findings

As in the past, this third annual Goals Report contains the most up-to-date information currently available on our current status relative to meeting the six National Goals. It builds upon the information presented in the previous two years, and includes new findings on the status of American education. Overall, the findings continue to reveal how far we are from achieving the Goals. They show modest progress in some areas (mathematics achievement, school safety), but stagnation or movement in the wrong direction in others (high school completion, adult literacy).

Overall, this Report shows that the current rate of progress is wholly inadequate if we are to achieve the National Education Goals by the year 2000:

- New analyses conducted for the Goals Panel show that nearly one-half of all infants born in the

United States begin life with one or more factors (such as tobacco or alcohol use by their pregnant mothers) that are considered risky to their long-term educational development.

- While increasing markedly in the early 1980s, the high school completion rate among 19- and 20-year-olds has been relatively stable since then, and remains short of the national Goal of 90 percent.
- Between 1990 and 1992, the percentages of students in Grades 4 and 8 who met the Goals Panel's performance standard in mathematics increased, but the percentages are still low—about one out of every five students in Grade 4 and one out of every four students in Grade 8. Only one in four fourth grade students met the Goals Panel's performance standard in reading.
- The literacy of young adults (aged 21-25) has slipped since the mid-1980s. The average scores of young adults on such tasks as understanding and using information from a newspaper or a pamphlet, locating information in a chart or map, or using mathematics in everyday situations were slightly lower in 1992 than the average scores of young adults seven years earlier.
- While the incidence of students being victimized at school appears to have declined modestly in recent years, the levels are still unacceptably high. About one in five 8th graders reported being threatened with a weapon in 1992, while about one out of ten said that they carried a weapon with them onto the school grounds.

Before the adoption of the National Goals, the information we had on the performance of our educational system was fractured at best, woefully incomplete, and often misleading. Given this condition, it is no wonder that we supported for too long a system that was not living up to its potential nor allowing all our children to fulfill theirs. This third National Goals Report reflects the Panel's continued and sustained commitment to evaluate our performance fully and frankly. By documenting, without equivocation, how much more effort is needed from all Americans to ensure a world-class education for all, we are creating the conditions necessary for a significant renewal of American education.



State Indicators on the Goals and Objectives

2000



1993

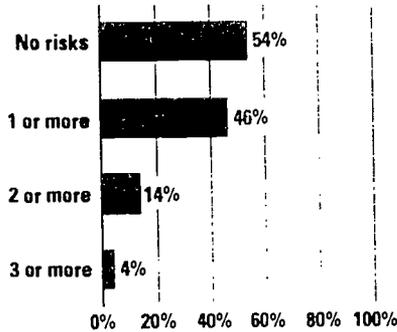
ALABAMA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

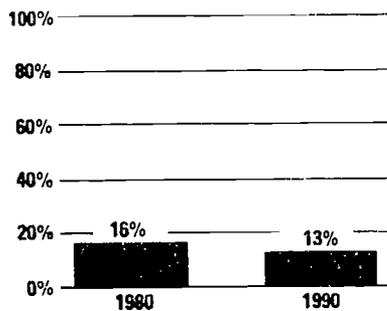


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	920	916
b) between 3.3 and 5.5 pounds	64	68
c) below 3.3 pounds	16	16
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	731	735
b) second trimester of pregnancy	205	204
c) third trimester of pregnancy or never	64	61
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	54%
b) 1 or more risks	—	46%
c) 2 or more risks	—	14%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	41
1992	45

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	82%	—
b) 23- to 24-year-olds	80%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	13%	—
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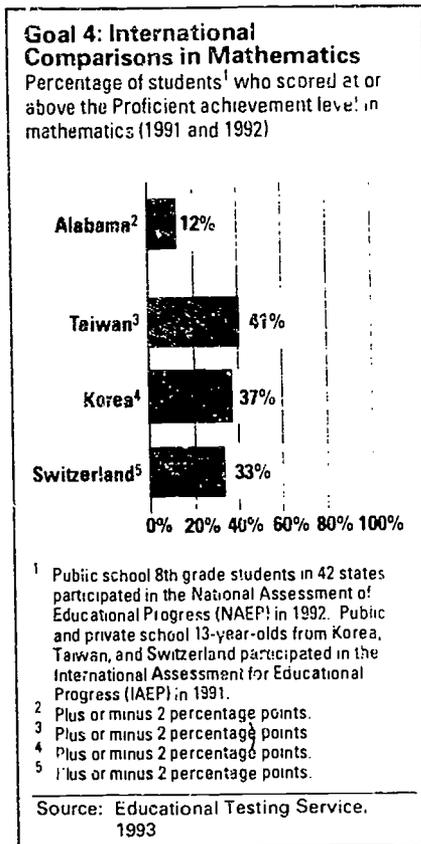
— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

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Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 12%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 34% 45%^{ns}
- work with measuring instruments or geometric solids at least once a week — 5%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 41% 42%^{ns}
- developing reasoning ability to solve unique problems 48% 42%^{ns}
- communicating mathematics ideas 43% 43%

c) who have computers available in their mathematics classroom

13% 15%^{ns}

d) who use calculators in mathematics class at least once a week

25% 45%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 78%^c
 - Grade 8 60% 73%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology — 98%
- Chemistry — 94%
- Physics — 81%
- Earth Science — 90%

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— 96%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4 — 72%^c
- Grade 8 62% 62%

— Data not available.

ns Interpret with caution. Change was not statistically significant

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Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

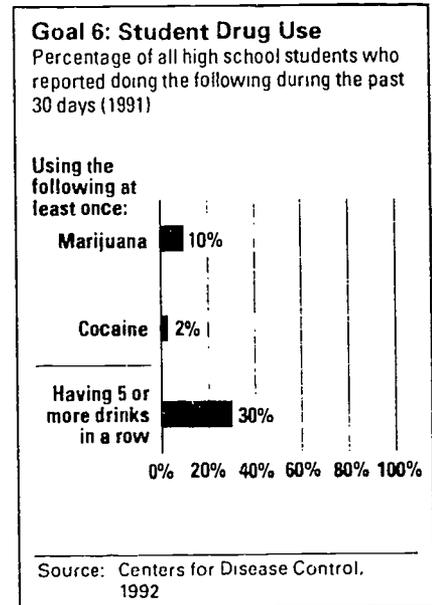
Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 74% 78%^{ns}
 - b) voting 57% 64%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana 10% ---
 - cocaine 2% ---
 - b) Having five or more drinks in a row during the past 30 days 30% ---



--- Data not available
 ns Interpret with caution. Change was not statistically significant.

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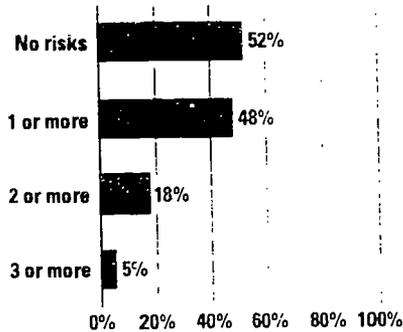
ALASKA

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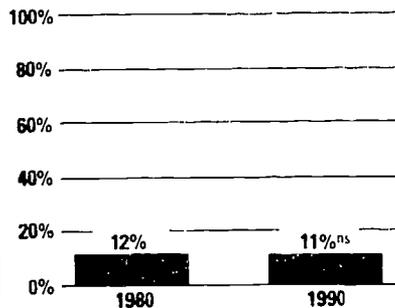


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential
^{ns} Interpret with caution. Change was not statistically significant

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	950	952
b) between 3.3 and 5.5 pounds	39	39
c) below 3.3 pounds	11	9
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	793	800
b) second trimester of pregnancy	167	162
c) third trimester of pregnancy or never	40	38
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	52%
b) 1 or more risks	—	48%
c) 2 or more risks	—	18%
d) 3 or more risks	—	5%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	44	50
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	85%	—
b) 23- to 24-year-olds	90%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	11%	—
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— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
◆ Interpret with caution. See technical note on page 236
◆ Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

	Baseline	1993 Goals Report					
Goal 4: Science and Mathematics							
Direct Measures of the Goal: International Student Achievement Comparisons							
<ul style="list-style-type: none"> • Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹ <table border="0" style="margin-left: 20px;"> <tr> <td>Taiwan = 41%</td> <td>Korea = 37%</td> <td>Switzerland = 33%</td> <td style="text-align: center;">---</td> <td style="text-align: center;">---</td> </tr> </table> 	Taiwan = 41%	Korea = 37%	Switzerland = 33%	---	---		
Taiwan = 41%	Korea = 37%	Switzerland = 33%	---	---			
Direct Measures of the Objectives: Strengthening Science and Mathematics Education							
<ul style="list-style-type: none"> • Percentage of public school 8th graders (1990, 1992):¹² <ul style="list-style-type: none"> a) whose teachers report that they do these activities in mathematics class: <ul style="list-style-type: none"> - work in small groups at least once a week - work with measuring instruments or geometric solids at least once a week b) whose mathematics teachers heavily emphasize: <ul style="list-style-type: none"> - Algebra and functions - developing reasoning ability to solve unique problems - communicating mathematics ideas c) who have computers available in their mathematics classroom d) who use calculators in mathematics class at least once a week • Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³ <ul style="list-style-type: none"> - Grade 4 - Grade 8 							
Direct Measures of the Objectives: Teacher Certification							
<ul style="list-style-type: none"> • Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ● <ul style="list-style-type: none"> - Biology - Chemistry - Physics - Earth Science • Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● 							
Additional Important Information: Student Attitudes Toward Mathematics							
<ul style="list-style-type: none"> • Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶ <ul style="list-style-type: none"> - Grade 4 - Grade 8 							

--- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234-235

● Interpret with caution. See technical note on page 236
 Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

ALASKA

Baseline
1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

		Baseline	1993
Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

	Baseline	1993
a) registered to vote	73%	77% ^{ns}
b) voting	62%	70%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

	Baseline	1993
a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

- Data not available.
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

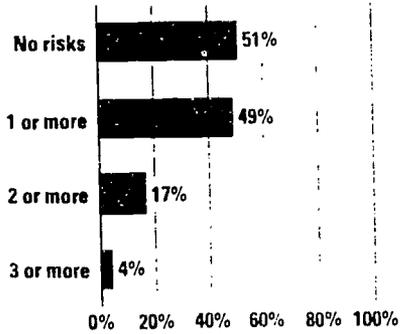
ARIZONA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	938	936
b) between 3.3 and 5.5 pounds	53	52
c) below 3.3 pounds	10	11
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	679	675
b) second trimester of pregnancy	219	224
c) third trimester of pregnancy or never	102	101
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	51%
b) 1 or more risks	—	49%
c) 2 or more risks	—	17%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	25
1992	29

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	80%	—
b) 23- to 24-year-olds	81%	—

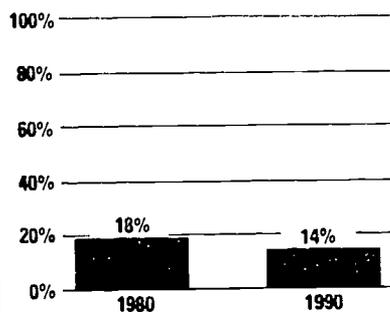
Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	14%	—
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Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

-- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235. Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

ARIZONA

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	13%
- Grade 8	16%	19% ^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

Grade 4	—	18%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	50 32	68 40
- Foreign languages Number receiving grades of 3 or higher	6 4	9 5
- Fine arts Number receiving grades of 3 or higher	1 1	2 1

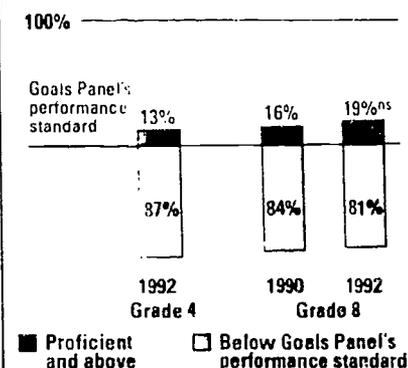
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	—	—
- Algebra II	—	—
- Calculus	—	—
- Biology	—	—
- Chemistry	—	—
- Physics	—	—

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

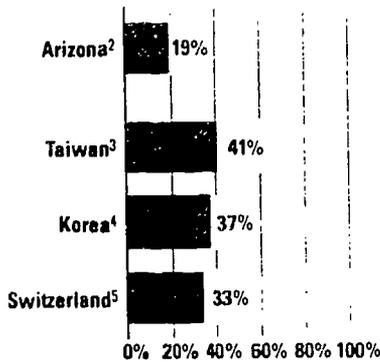
■ Interpret with caution. See technical note on p. 234-235

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236.

● Interpret with caution. See technical note on page 237

Goal 4: International Comparisons in Mathematics
 Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points.

Source: Educational Testing Service, 1993

Baseline **1993 Goals Report**

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 19%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 61%_c 56%^{ns}
- work with measuring instruments or geometric solids at least once a week — 8%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 51%_c 50%^{ns}
- developing reasoning ability to solve unique problems 43%_c 51%^{ns}
- communicating mathematics ideas 38%_c 43%^{ns}

c) who have computers available in their mathematics classroom 22%_c 17%^{ns}

d) who use calculators in mathematics class at least once a week 33%_c 52%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 80%_c
 - Grade 8 64%_c 69%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology — —
- Chemistry — —
- Physics — —
- Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4 — 73%_c
- Grade 8 55%_c 54%^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

66%	75%
57%	69%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

ns Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234
Definition has changed since 1992 Goals Report
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● Interpret with caution. See technical note on page 237.

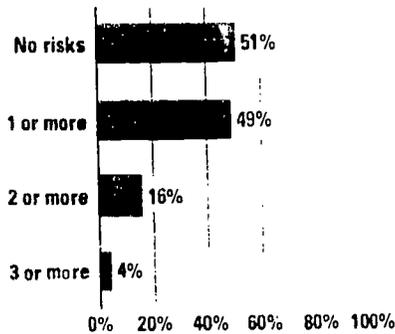
ARKANSAS

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	918	918
b) between 3.3 and 5.5 pounds	69	70
c) below 3.3 pounds	13	12
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	683	708
b) second trimester of pregnancy	244	223
c) third trimester of pregnancy or never	73	70
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	-	51%
b) 1 or more risks	---	49%
c) 2 or more risks	---	16%
d) 3 or more risks	---	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

	45	51
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	83%	---
b) 23- to 24-year-olds	82%	---

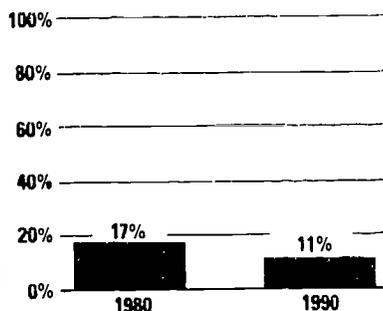
Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

	11%	---
--	-----	-----

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

--- Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
● Interpret with caution. See technical note on page 236
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 10%
 - Grade 8 12% 13%^{ns}
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — 20%

Direct Measures of the Goal: Advanced Placement Participation and Performance

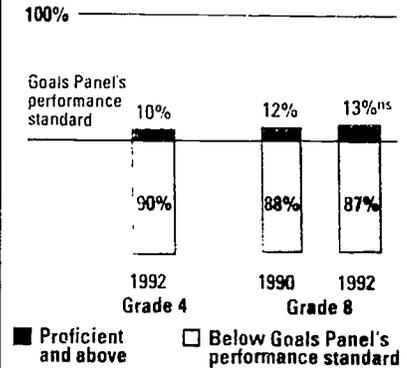
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 27 31
15 17
 - Foreign languages
Number receiving grades of 3 or higher <1 1
<1 <1
 - Fine arts
Number receiving grades of 3 or higher 1 <1
<1 <1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 88% 95+%
 - Algebra II 48% 55%
 - Calculus 5% 6%
 - Biology 95+% 95+%
 - Chemistry 33% 43%
 - Physics 13% 14%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available.

^{ns} Interpret with caution. Change was not statistically significant.

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● Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp 234-235.

▲ Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

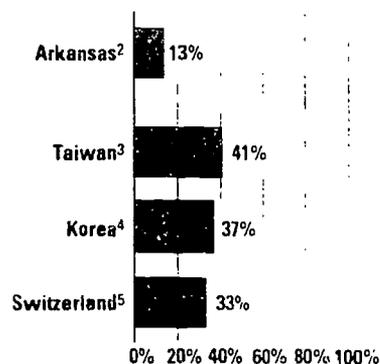
■ Interpret with caution. See technical note on page 237.

ARKANSAS

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.

² Plus or minus 2 percentage points

³ Plus or minus 2 percentage points

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 13%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 33% 41% ns
- work with measuring instruments or geometric solids at least once a week — 6%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 33% 35% ns
- developing reasoning ability to solve unique problems 36% 31% ns
- communicating mathematics ideas 31% 30% ns

c) who have computers available in their mathematics classroom

16% 23% ns

d) who use calculators in mathematics class at least once a week

26% 39% ns

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³

- Grade 4 — 66%
- Grade 8 59% 65% ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology — 98%
- Chemistry — 93%
- Physics — 89%
- Earth Science — 91%

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— 99%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4 — 74%
- Grade 8 59% 59%

-- Data not available

ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

• Percentage of adults aged 16 and older who scored at the following literacy levels (1992): ¹⁷			
Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

• Percentage of all U.S. citizens (1988, 1992): ¹⁸		
a) registered to vote	68%	67% ^{ns}
b) voting	56%	58% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

• Percentage of all high school students who reported (1990, 1991): ¹⁹		
a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

--- Data not available
 ns Interpret with caution. Change was not statistically significant.

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 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.



Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	940	942
b) between 3.3 and 5.5 pounds	50	48
c) below 3.3 pounds	10	10
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	753	723
b) second trimester of pregnancy	186	206
c) third trimester of pregnancy or never	61	70
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	28	30
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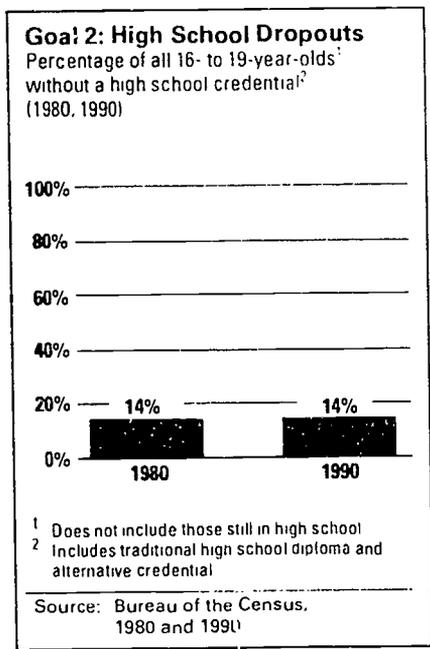
Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	77%	—
b) 23- to 24-year-olds	77%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	14%	—
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-- Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on page 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 —
 - Grade 8 16%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 —
 - Grade 8 17%

Direct Measures of the Goal: Advanced Placement Participation and Performance

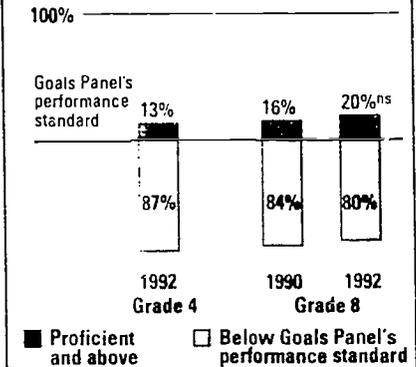
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 101 111
65 71
 - Foreign languages 19 22
Number receiving grades of 3 or higher 14 17
 - Fine arts 3 4
Number receiving grades of 3 or higher 2 3

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1990):¹⁰
 - Algebra I 92% 89%
 - Algebra II 44% 42%
 - Calculus 9% 9%
 - Biology 91% 89%
 - Chemistry 33% 33%
 - Physics 16% 15%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available.
^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp 234-235.

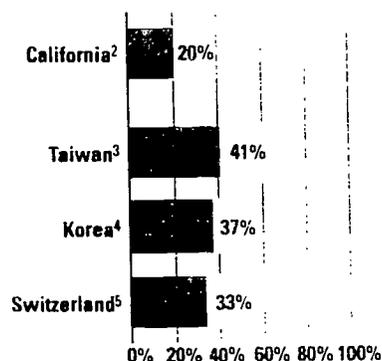
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

CALIFORNIA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.

² Plus or minus 3 percentage points

³ Plus or minus 2 percentage points

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 20%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
– work in small groups at least once a week	59%	62% ^{ns}
– work with measuring instruments or geometric solids at least once a week	—	13%
b) whose mathematics teachers heavily emphasize:		
– Algebra and functions	46%	42% ^{ns}
– developing reasoning ability to solve unique problems	50%	49% ^{ns}
– communicating mathematics ideas	41%	40% ^{ns}
c) who have computers available in their mathematics classroom	28%	24% ^{ns}
d) who use calculators in mathematics class at least once a week	59%	65% ^{ns}
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992): ¹³		
– Grade 4	—	67% ^{ns}
– Grade 8	69%	62% ^{ns}

Direct Measures of the Objectives: Teacher Certification

• Percentage of public high school science teachers who are certified to teach science (1990): ¹⁴ ●		
– Biology	—	82%
– Chemistry	—	83%
– Physics	—	83%
– Earth Science	—	88%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1990): ¹⁵ ●	—	80%

Additional Important Information: Student Attitudes Toward Mathematics

• Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992): ¹⁶		
– Grade 4	—	71% ^{ns}
– Grade 8	56%	57% ^{ns}

— Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report:
■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 234
● Interpret with caution See technical note on page 234
● Interpret with caution See technical note on page 234

Measuring State Progress Toward the Goals and Objectives

CALIFORNIA

Baseline
1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	72%	73% ^{ns}
b) voting	63%	67%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
– marijuana	—	—
– cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Data not available.

^{ns} Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234.
Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
Interpret with caution. See technical note on page 237.

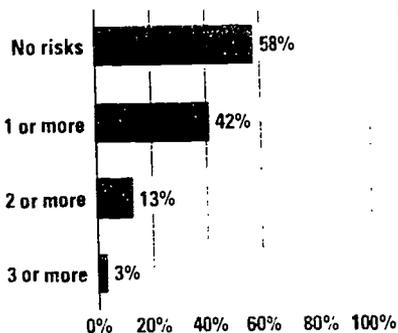
COLORADO

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

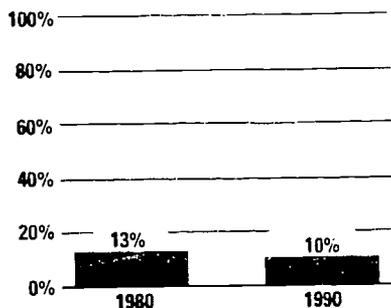


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth).

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential¹ (1980, 1990)



¹ Does not include those still in high school.
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	922	920
b) between 3.3 and 5.5 pounds	69	70
c) below 3.3 pounds	10	11
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	774	778
b) second trimester of pregnancy	173	172
c) third trimester of pregnancy or never	53	50
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	58%
b) 1 or more risks	—	42%
c) 2 or more risks	—	13%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	27	30
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990) ⁵		
a) 19- to 20-year-olds	87%	—
b) 23- to 24-year-olds	88%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	10%	—
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— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 236.
 Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
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Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷
 - Grade 4 — 18%
 - Grade 8 22% 26%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸
 - Grade 4 — 22%

Direct Measures of the Goal: Advanced Placement Participation and Performance

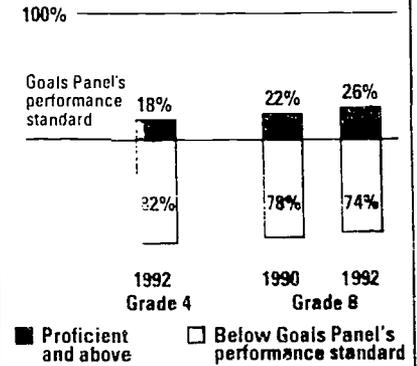
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history Number receiving grades of 3 or higher 99 102
64 68
 - Foreign languages 9 10
6 7
 - Fine arts 1 2
1 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1991):¹⁰
 - Algebra I 80% —
 - Algebra II 48% —
 - Calculus 9% —
 - Biology 82% —
 - Chemistry 43% —
 - Physics 22% —

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

Source: National Center for Education Statistics, 1993

Data not available

¹⁵ Interpret with caution. Change was not statistically significant

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● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

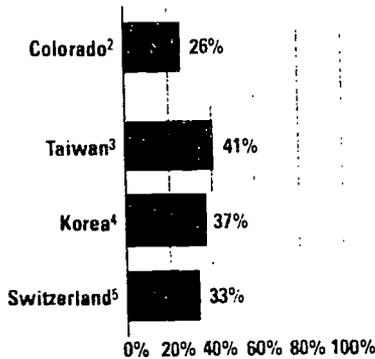
● Interpret with caution. See technical note on page 237.

COLORADO

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 26%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class
 - work in small groups at least once a week: 69% (Baseline) / 56% (1993)
 - work with measuring instruments or geometric solids at least once a week: — (Baseline) / 9% (1993)
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 51% (Baseline) / 53% (1993) ns
 - developing reasoning ability to solve unique problems: 50% (Baseline) / 51% (1993) ns
 - communicating mathematics ideas: 45% (Baseline) / 43% (1993) ns
 - c) who have computers available in their mathematics classroom: 16% (Baseline) / 15% (1993) ns
 - d) who use calculators in mathematics class at least once a week: 56% (Baseline) / 73% (1993)
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — (Baseline) / 67% (1993)
 - Grade 8: 45% (Baseline) / 47% (1993) ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology: — (Baseline) / 93% (1993)
 - Chemistry: — (Baseline) / — (1993)
 - Physics: — (Baseline) / — (1993)
 - Earth Science: — (Baseline) / — (1993)
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵
 - Mathematics: — (Baseline) / 75% (1993)

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — (Baseline) / 72% (1993)
 - Grade 8: 56% (Baseline) / 60% (1993)

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

COLORADO

Baseline
1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	76%	77% ^{ns}
b) voting	68%	71% ^{ns}

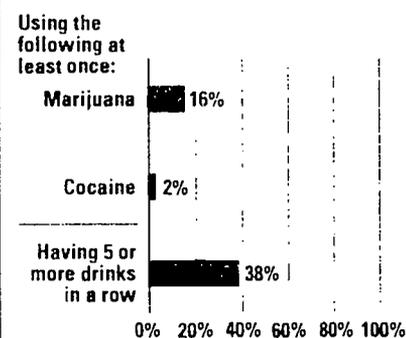
Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	16%	—
- cocaine	2%	—
b) Having five or more drinks in a row during the past 30 days	38%	—

Goal 6: Student Drug Use
Percentage of all high school students who reported doing the following during the past 30 days (1990)



Source: Centers for Disease Control, 1991

— Data not available
ns Interpret with caution. Change was not statistically significant

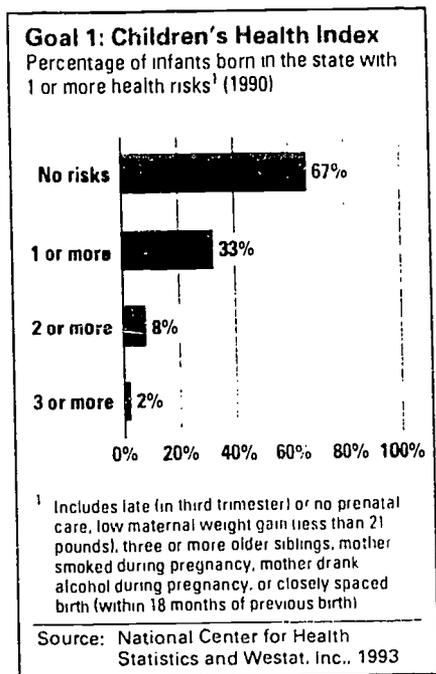
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● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

CONNECTICUT

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	933	934
b) between 3.3 and 5.5 pounds	55	53
c) below 3.3 pounds	13	13
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	831	849
b) second trimester of pregnancy	130	118
c) third trimester of pregnancy or never	39	33
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	67%
b) 1 or more risks	—	33%
c) 2 or more risks	—	8%
d) 3 or more risks	—	2%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	41	42
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

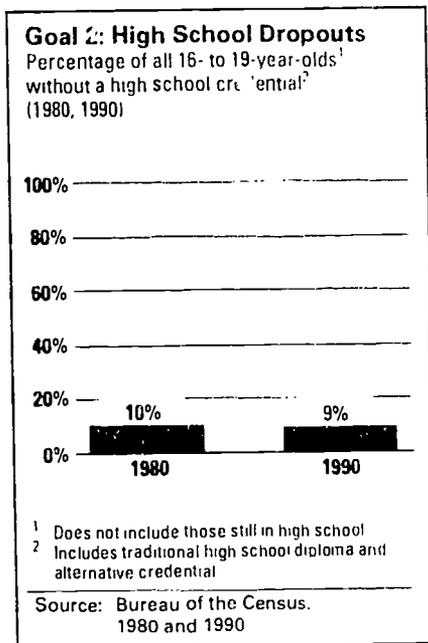
- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	88%	—
b) 23- to 24-year-olds	89%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	9%	—
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--- Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on page 234.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

CONNECTICUT

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4
- Grade 8

	Baseline	1993 Goals Report
Grade 4	26%	25%
Grade 8	26%	30%

- Percentage of all public school students who score at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4

Grade 4	---	30%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history
Number receiving grades of 3 or higher
- Foreign languages
Number receiving grades of 3 or higher
- Fine arts
Number receiving grades of 3 or higher

English, mathematics, science, and history Number receiving grades of 3 or higher	98	109
Foreign languages Number receiving grades of 3 or higher	14	15
Fine arts Number receiving grades of 3 or higher	2	3

Additional Important Information: Participation in Challenging Courses

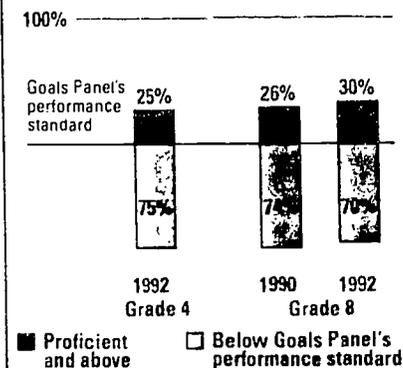
- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I
- Algebra II
- Calculus
- Biology
- Chemistry
- Physics

Algebra I	74%	81%
Algebra II	61%	59%
Calculus	14%	14%
Biology	95+%	95+%
Chemistry	62%	63%
Physics	36%	37%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B

Source: National Center for Education Statistics, 1993

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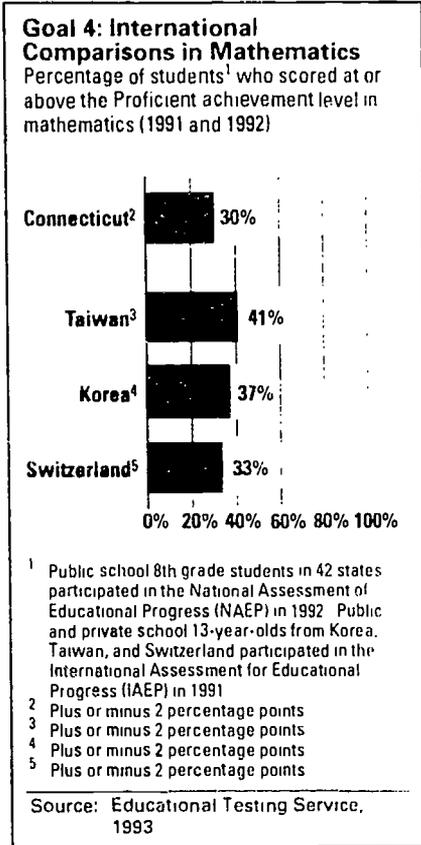
• Data not available
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 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

CONNECTICUT

Measuring State Progress Toward the Goals and Objectives



Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 30%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992).¹²

a) whose teachers report that they do these activities in mathematics class.

- work in small groups at least once a week 51%^c 47%^{ns}
- work with measuring instruments or geometric solids at least once a week — 6%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 48%^c 40%^{ns}
- developing reasoning ability to solve unique problems 47%^c 49%^{ns}
- communicating mathematics ideas 41%^c 45%^{ns}

c) who have computers available in their mathematics classroom 27% 22%^{ns}

d) who use calculators in mathematics class at least once a week 51%^c 61%^{ns}

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992).¹³
- Grade 4 — 81%^c
- Grade 8 74%^c 77%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991).¹⁴ ●
- Biology — 97%
- Chemistry — 98%
- Physics — 88%
- Earth Science — 76%

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991).¹⁵ ● — 98%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992).¹⁶
- Grade 4 — 72%^c
- Grade 8 62%^c 61%^{ns}

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 234
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 78% 82%^{ns}
 - b) voting 68% 77%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana — —
 - cocaine — —
 - b) Having five or more drinks in a row during the past 30 days — —

^{ns} Data not available
^{ns} Interpret with caution. Change was not statistically significant.

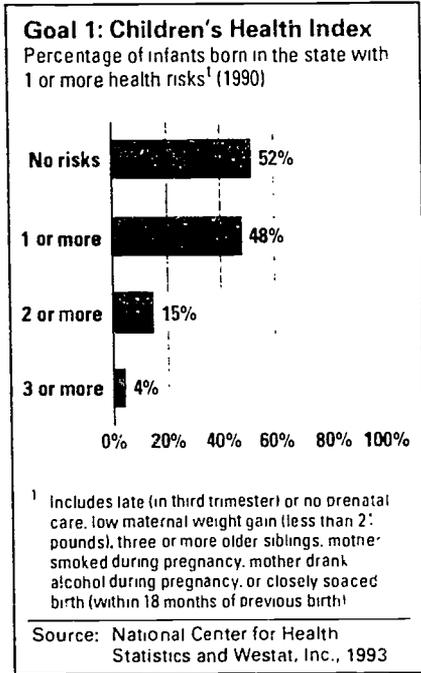
▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

DELAWARE

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	926	924
b) between 3.3 and 5.5 pounds	58	61
c) below 3.3 pounds	16	16
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	797	795
b) second trimester of pregnancy	162	160
c) third trimester of pregnancy or never	41	45
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲

a) no risks	—	52%
b) 1 or more risks	—	48%
c) 2 or more risks	—	15%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	51	56
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

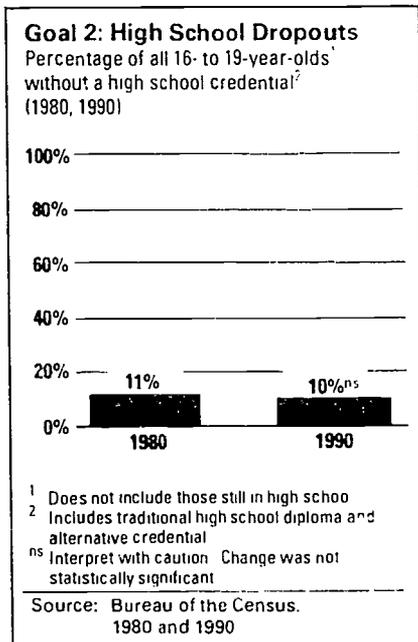
- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	88%	—
b) 23- to 24-year-olds	88%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	10%	—
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— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

DELAWARE

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷
 - Grade 4 — 17%
 - Grade 8 19% 18%^{ns}
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸
 - Grade 4 — 21%

Direct Measures of the Goal: Advanced Placement Participation and Performance

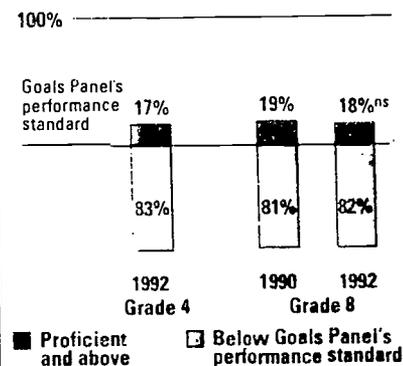
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 85 113
63 83
 - Foreign languages 7 9
Number receiving grades of 3 or higher 5 6
 - Fine arts <1 1
Number receiving grades of 3 or higher <1 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 73% 67%
 - Algebra II 43% 42%
 - Calculus 17% 11%
 - Biology 95+% 92%
 - Chemistry 48% 42%
 - Physics 19% 19%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 237.

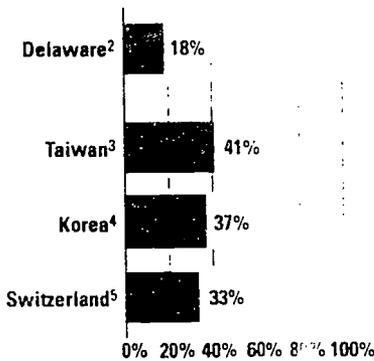
DELAWARE

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 18%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 43% 52%
- work with measuring instruments or geometric solids at least once a week — 8%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 39% 41%^{ns}
- developing reasoning ability to solve unique problems 47% 50%^{ns}
- communicating mathematics ideas 37% 40%

c) who have computers available in their mathematics classroom

13% 18%

d) who use calculators in mathematics class at least once a week

48% 57%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 74%
 - Grade 8 55% 68%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology — 94%
- Chemistry — —
- Physics — 93%
- Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— 94%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4 — 74%
- Grade 8 61% 59%^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on page 234-235.

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

65%	73%
60%	68%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

- a) Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
- b) Having five or more drinks in a row during the past 30 days

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Data not available
 Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution See technical note on page 235.
 Interpret with caution. See technical note on page 237.

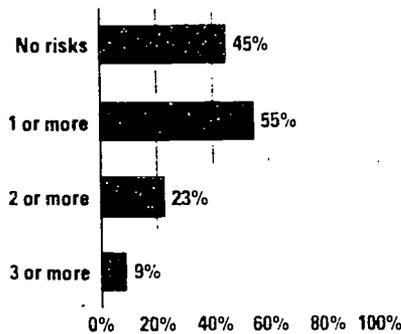
DISTRICT OF COLUMBIA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	857	849
b) between 3.3 and 5.5 pounds	106	114
c) below 3.3 pounds	37	37
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during²

a) first trimester of pregnancy	612	562
b) second trimester of pregnancy	276	280
c) third trimester of pregnancy or never	112	158
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	45% _c
b) 1 or more risks	—	55% _c
c) 2 or more risks	—	23% _c
d) 3 or more risks	—	9% _c

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992):⁴

1991	19
1992	20

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	83%	—
b) 23- to 24-year-olds	84%	—

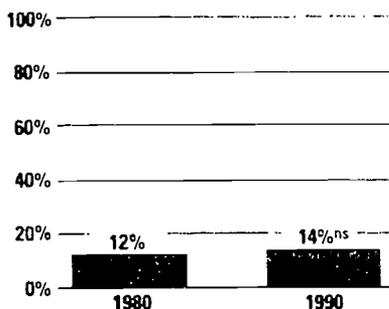
Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990):⁶

1990	14% _c	—
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Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential:² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential
^{ns} Interpret with caution. Change was not statistically significant

Source: Bureau of the Census, 1980 and 1990

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Denominator has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on page 234. 235

● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 236.

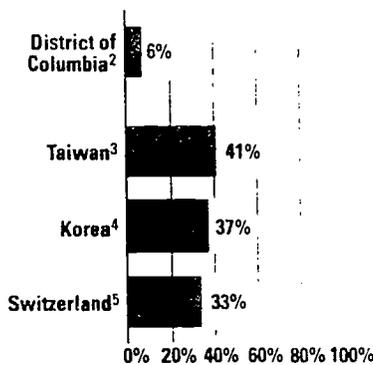
DISTRICT OF COLUMBIA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: International Comparisons in Mathematics

Percentage of students who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points.

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 6%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
- work in small groups at least once a week	82%	80% ns
- work with measuring instruments or geometric solids at least once a week	—	13%
b) whose mathematics teachers heavily emphasize:		
- Algebra and functions	46%	54%
- developing reasoning ability to solve unique problems	65%	71%
- communicating mathematics ideas	63%	66%
c) who have computers available in their mathematics classroom	18%	20% ns
d) who use calculators in mathematics class at least once a week	57%	61% ns
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992): ¹³		
- Grade 4	—	95%
- Grade 8	83%	100% ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4
 - Grade 8

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

DISTRICT OF COLUMBIA

Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993
Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

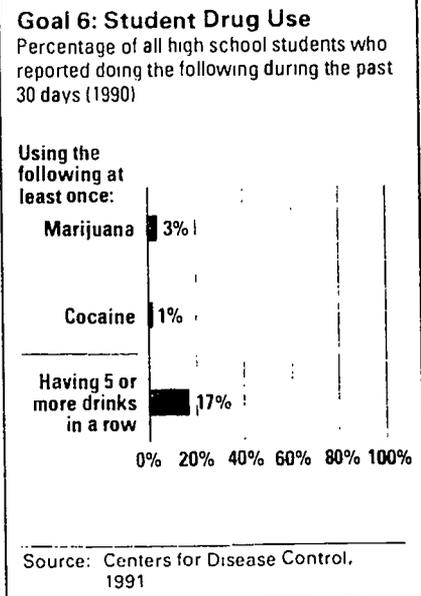
Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 69% 81%
 - b) voting 56% 72%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana 3%
 - cocaine 1%
 - b) Having five or more drinks in a row during the past 30 days 17%



Data not available
 * Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp 234-235.

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

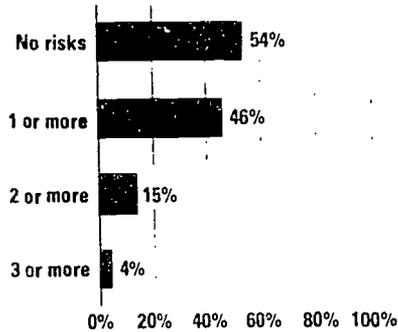
FLORIDA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

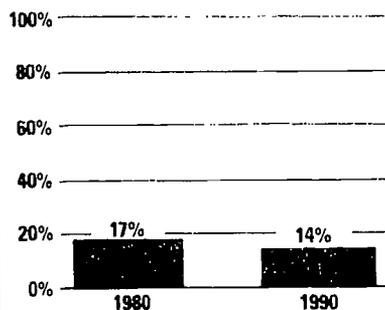


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	923	926
b) between 3.3 and 5.5 pounds	63	60
c) below 3.3 pounds	14	14
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	701	724
b) second trimester of pregnancy	217	205
c) third trimester of pregnancy or never	82	71
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	---	54%
b) 1 or more risks	---	46%
c) 2 or more risks	---	15%
d) 3 or more risks	---	4%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	30	31
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	79%	---
b) 23- to 24-year-olds	82%	---

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	14%	---
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-- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

FLORIDA

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 —
 - Grade 8 15%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 —
 - Grade 8 18%

Direct Measures of the Goal: Advanced Placement Participation and Performance

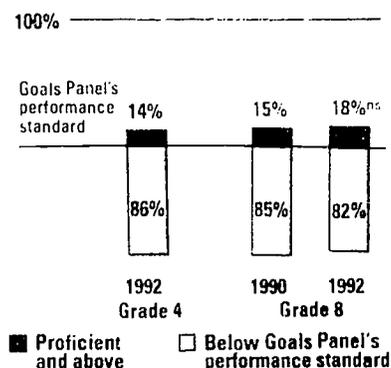
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 118 129
61 66
 - Foreign languages
Number receiving grades of 3 or higher 13 14
10 10
 - Fine arts
Number receiving grades of 3 or higher 6 6
4 4

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 78% 78%
 - Algebra II 42% 46%
 - Calculus 9% 7%
 - Biology 95+% 95+%
 - Chemistry 44% 47%
 - Physics 19% 21%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available

Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

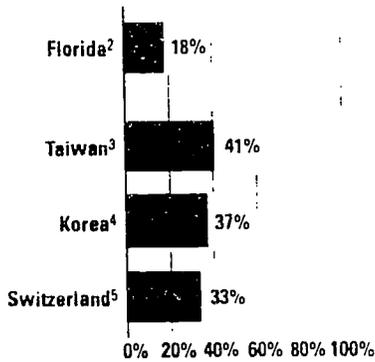
● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

FLORIDA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 18%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class.
 - work in small groups at least once a week: 48% (Baseline) / 53% (1993) ns
 - work with measuring instruments or geometric solids at least once a week: — / 5%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 42% (Baseline) / 47% (1993) ns
 - developing reasoning ability to solve unique problems: 46% (Baseline) / 52% (1993) ns
 - communicating mathematics ideas: 43% (Baseline) / 52% (1993) ns
 - c) who have computers available in their mathematics classroom: 19% (Baseline) / 27% (1993) ns
 - d) who use calculators in mathematics class at least once a week: 31% (Baseline) / 50% (1993)
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — (Baseline) / 76% (1993) ns
 - Grade 8: 74% (Baseline) / 66% (1993) ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology: — / 81%
 - Chemistry: — / 97%
 - Physics: — / 97%
 - Earth Science: — / 72%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●
 - / 71%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — (Baseline) / 75% (1993)
 - Grade 8: 57% (Baseline) / 61% (1993) ns

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on page 234-235

● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - registered to vote
 - voting

69%	69%
59%	62% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
 - Having five or more drinks in a row during the past 30 days

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Data not available.

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235

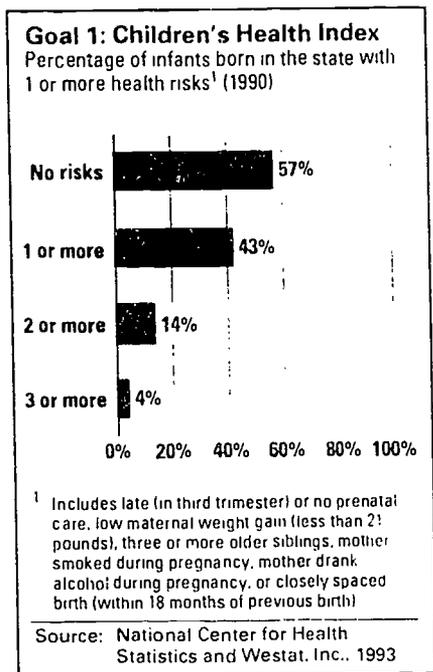
● Interpret with caution. See technical note on page 236

● Interpret with caution. See technical note on page 237

GEORGIA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	916	913
b) between 3.3 and 5.5 pounds	68	70
c) below 3.3 pounds	16	17
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	733	731
b) second trimester of pregnancy	198	203
c) third trimester of pregnancy or never	69	66
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	57%
b) 1 or more risks	—	43%
c) 2 or more risks	—	14%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

	24	27
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

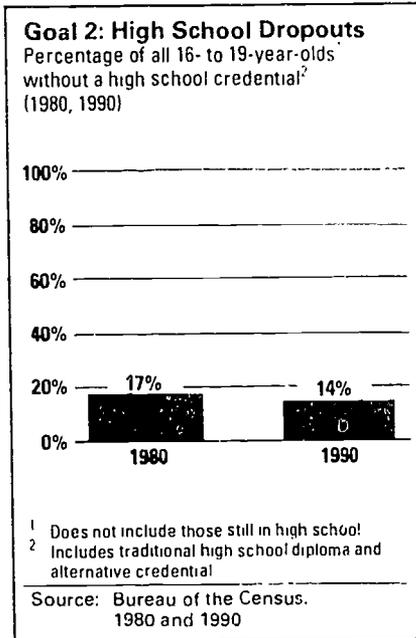
- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	80%	—
b) 23- to 24-year-olds	82%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

	14%	—
--	-----	---



— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on page 234, 235.

● Interpret with caution. See technical note on page 236.
○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

GEORGIA

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992).⁷ ■

- Grade 4	—	16%
- Grade 8	17%	16% ^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992).⁸ ■

- Grade 4	—	22%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993).⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	67 44	106 57
- Foreign languages Number receiving grades of 3 or higher	2 1	2 2
- Fine arts Number receiving grades of 3 or higher	1 1	2 2

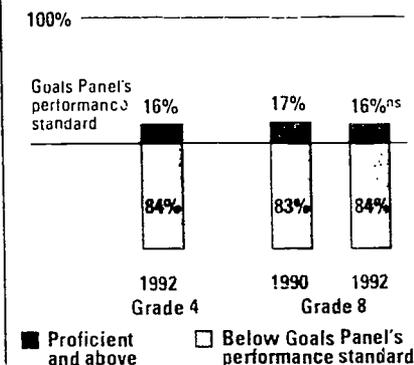
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991).¹⁰

- Algebra I	—	—
- Algebra II	—	—
- Calculus	—	—
- Biology	—	—
- Chemistry	—	—
- Physics	—	—

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

— Data not available

● Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

○ Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

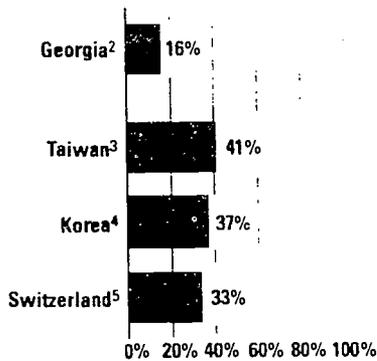
● Interpret with caution. See technical note on page 237

GEORGIA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 16%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 56%_c 52%_{ns}
 - work with measuring instruments or geometric solids at least once a week: — 8%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 47% 44%_{ns}
 - developing reasoning ability to solve unique problems: 50%_c 54%_{ns}
 - communicating mathematics ideas: 52%_c 54%_{ns}
 - c) who have computers available in their mathematics classroom: 28% 27%_{ns}
 - d) who use calculators in mathematics class at least once a week: 45%_c 52%_{ns}
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — 77%_c
 - Grade 8: 77%_c 69%_{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology: — —
 - Chemistry: — —
 - Physics: — —
 - Earth Science: — —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●
 - —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — 76%_{ns}
 - Grade 8: 64%_c 65%_{ns}

— Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 235
 Interpret with caution See technical note on page 236
 Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

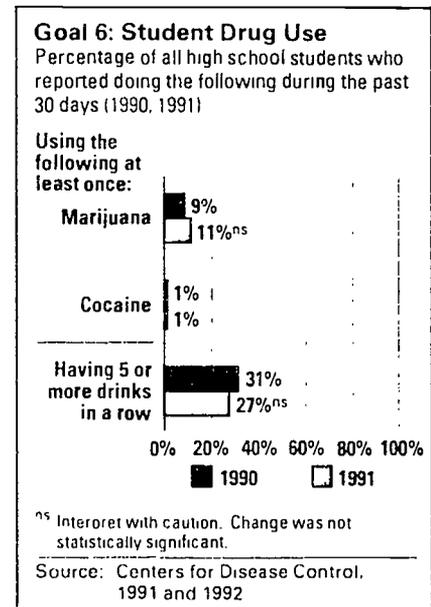
Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 62% 63%^{ns}
 - b) voting 50% 55%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana 9% 11%^{ns}
 - cocaine 1% 1%
 - b) Having five or more drinks in a row during the past 30 days 31% 27%^{ns}



Data not available

Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
● Interpret with caution. See technical note on pp. 234-235

Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
Interpret with caution. See technical note on page 237

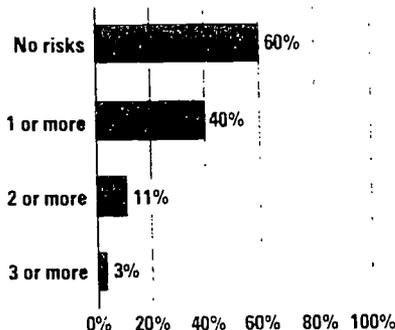
HAWAII

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	931	929
b) between 3.3 and 5.5 pounds	59	61
c) below 3.3 pounds	10	10
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	76	735
b) second trimester of pregnancy	163	206
c) third trimester of pregnancy or never	54	59
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲

a) no risks	—	60%
b) 1 or more risks	—	40%
c) 2 or more risks	—	11%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	16
1992	19

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	91%	—
b) 23- to 24-year-olds	93%	—

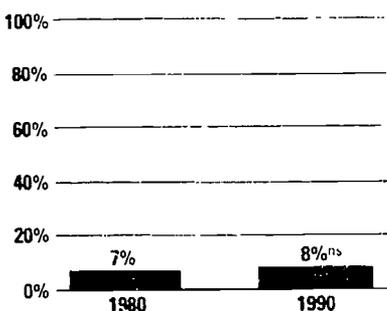
Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	8%	—
------	----	---

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential¹ (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential
^{ns} Interpret with caution. Change was not statistically significant

Source: Bureau of the Census, 1980 and 1990

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
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Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992).⁷ ■

- Grade 4	—	15%
- Grade 8	14%	16% ^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1990, 1992).⁸ ■

- Grade 4	—	15%
-----------	---	-----

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993).⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	99 76	109 80
- Foreign languages Number receiving grades of 3 or higher	3 2	2 1
- Fine arts Number receiving grades of 3 or higher	2 1	1 1

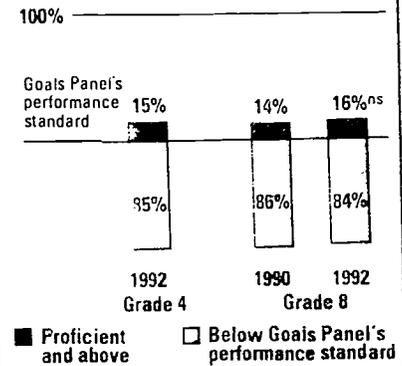
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991).¹⁰

- Algebra I	52%	58%
- Algebra II	33%	31%
- Calculus	4%	4%
- Biology	88%	95+%
- Chemistry	40%	41%
- Physics	21%	24%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available

^{ns} Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234.

● Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235.

▲ Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

■ Interpret with caution. See technical note on page 237.

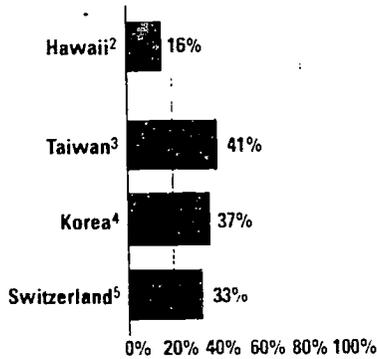
HAWAII

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 16%_c

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
- work in small groups at least once a week	34%	46% _c
- work with measuring instruments or geometric solids at least once a week	—	11% _c
b) whose mathematics teachers heavily emphasize:		
- Algebra and functions	29%	31% _{ns}
- developing reasoning ability to solve unique problems	42%	35% _{ns}
- communicating mathematics ideas	34%	36% _{ns}
c) who have computers available in their mathematics classroom	10%	ns
d) who use calculators in mathematics class at least once a week	18%	42% _c

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
- | | | |
|-----------|------------------|------------------|
| - Grade 4 | — | 82% _c |
| - Grade 8 | 72% _c | 75% _c |

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
- | | | |
|-----------------|---|---|
| - Biology | — | — |
| - Chemistry | — | — |
| - Physics | — | — |
| - Earth Science | — | — |
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●
- | | | |
|--|---|---|
| | — | — |
|--|---|---|

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
- | | | |
|-----------|------------------|------------------|
| - Grade 4 | — | 75% _c |
| - Grade 8 | 55% _c | 58% _c |

--- Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on page 234-235.

● Interpret with caution. See technical note on page 235.
 ◆ Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	66%	65% ^{ns}
b) voting	59%	59%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Data not available

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

▲ Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236.

■ Interpret with caution. See technical note on page 237

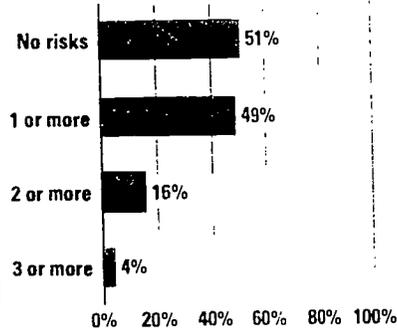


Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	949	943
b) between 3.3 and 5.5 pounds	44	48
c) below 3.3 pounds	8	8
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	748	742
b) second trimester of pregnancy	196	199
c) third trimester of pregnancy or never	56	59
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	51%
b) 1 or more risks	—	49%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool¹ (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

	56	54
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	86%	—

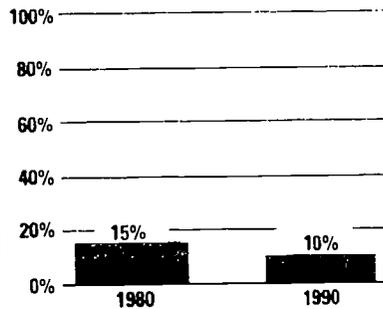
Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

	10%	—
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Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
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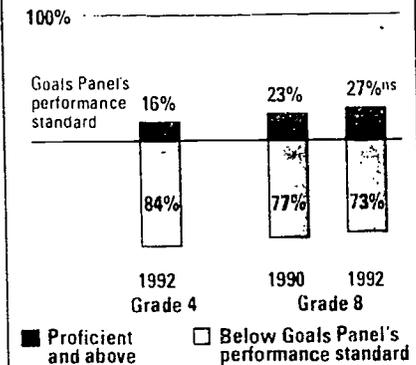
Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 —
 - Grade 8 23%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 —
 - Grade 8 24%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

¹¹⁵ Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history Number receiving grades of 3 or higher: 39 (1991), 42 (1993)
 - Foreign languages Number receiving grades of 3 or higher: 25 (1991), 29 (1993)
 - Foreign languages: 1 (1991), 1 (1993)
 - Number receiving grades of 3 or higher: <1 (1991), 1 (1993)
 - Fine arts: <1 (1991), 1 (1993)
 - Number receiving grades of 3 or higher: <1 (1991), <1 (1993)

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I: 95+% (1989), 74% (1991)
 - Algebra II: 64% (1989), 66% (1991)
 - Calculus: 6% (1989), 13% (1991)
 - Biology: 80% (1989), 87% (1991)
 - Chemistry: 26% (1989), 44% (1991)
 - Physics: 15% (1989), 14% (1991)

○ Data not available
● Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
● Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

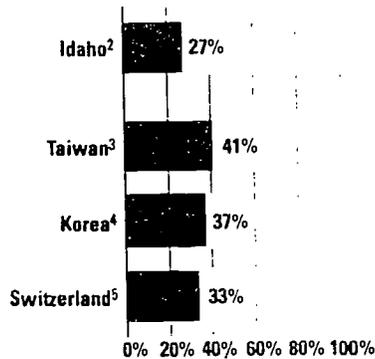
● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237



Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**

Goal 4: International Comparisons in Mathematics
 Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points.

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 27%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class.		
- work in small groups at least once a week	55%	61% ^{ns}
- work with measuring instruments or geometric solids at least once a week	—	12%
b) whose mathematics teachers heavily emphasize:		
- Algebra and functions	56%	54% ^{ns}
- developing reasoning ability to solve unique problems	39%	50% ^{ns}
- communicating mathematics ideas	41%	39% ^{ns}
c) who have computers available in their mathematics classroom	11%	15% ^{ns}
d) who use calculators in mathematics class at least once a week	47%	73%
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992): ¹³		
- Grade 4	—	72% ^c
- Grade 8	67% ^c	59% ^{ns}

Direct Measures of the Objectives: Teacher Certification

• Percentage of public high school science teachers who are certified to teach science (1991): ¹⁴ ●		
- Biology	—	96%
- Chemistry	—	82%
- Physics	—	60%
- Earth Science	—	89%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991): ¹⁵ ●	—	96%

Additional Important Information: Student Attitudes Toward Mathematics

• Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992): ¹⁶		
- Grade 4	—	70% ^c
- Grade 8	57%	55% ^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 235.
 Interpret with caution. See technical note on page 235.

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Measure	Level	Baseline	1993
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

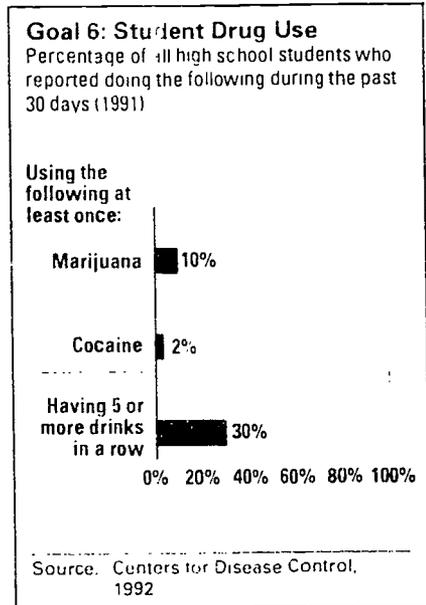
a) registered to vote	72%	74% ^{ns}
b) voting	66%	69% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
 - b) Having five or more drinks in a row during the past 30 days

- marijuana	10%	—
- cocaine	2%	—
b) Having five or more drinks in a row during the past 30 days	30%	—



Data not available

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

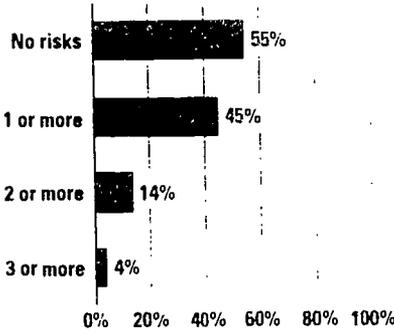
● Interpret with caution. See technical note on page 237.

ILLINOIS

Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**

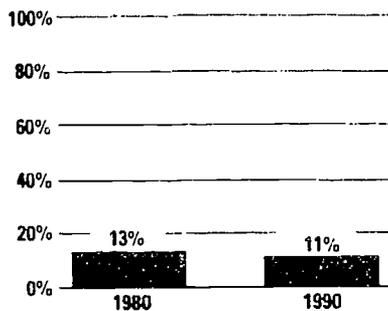
Goal 1: Children's Health Index
Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts
Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	925	924
b) between 3.3 and 5.5 pounds	61	61
c) below 3.3 pounds	14	14
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	781	778
b) second trimester of pregnancy	167	169
c) third trimester of pregnancy or never	51	53
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	55%
b) 1 or more risks	—	45%
c) 2 or more risks	—	14%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	53	47
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	86%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	11%	—
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— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 237. Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

ILLINOIS

Baseline 1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

Grade 4	--	--
Grade 8	--	--

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

Grade 4	--	--
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history	73	86
Number receiving grades of 3 or higher	51	61
- Foreign languages	6	8
Number receiving grades of 3 or higher	5	5
Fine arts	1	1
Number receiving grades of 3 or higher	1	1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989):¹⁰

Algebra I	77%	--
Algebra II	39%	--
Calculus	9%	--
- Biology	78%	--
Chemistry	40%	--
- Physics	20%	--

Data not available

▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pages 234-235.

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41%	Korea = 37%	Switzerland = 33%	—	—
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Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992).¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week
 - work with measuring instruments or geometric solids at least once a week
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions
 - developing reasoning ability to solve unique problems
 - communicating mathematics ideas
 - c) who have computers available in their mathematics classroom
 - d) who use calculators in mathematics class at least once a week
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992).¹³
 - Grade 4
 - Grade 8

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991).¹⁴
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991).¹⁵

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992).¹⁶
 - Grade 4
 - Grade 8

— Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
◆ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	4%
	Level 4	—	18%
	Level 3	—	30%
	Level 2	—	27%
	Level 1 (lowest)	—	21%
Document:	Level 5 (highest)	—	3%
	Level 4	—	17%
	Level 3	—	29%
	Level 2	—	27%
	Level 1 (lowest)	—	24%
Quantitative:	Level 5 (highest)	—	4%
	Level 4	—	19%
	Level 3	—	31%
	Level 2	—	23%
	Level 1 (lowest)	—	22%

Direct Measures of the Goal: Citizenship

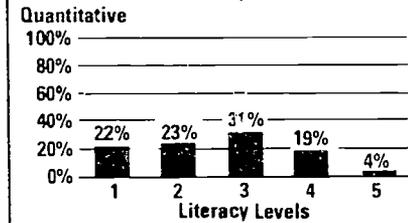
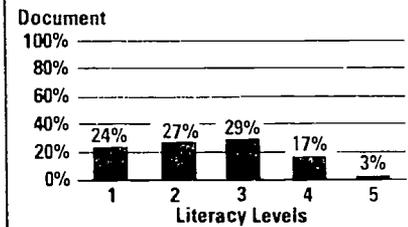
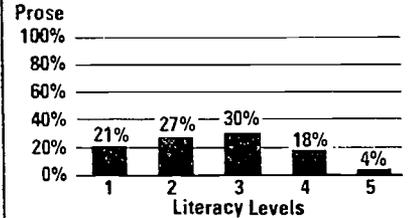
Percentage of all U.S. citizens (1988, 1992): ¹⁸		
a) registered to vote	73%	77%
b) voting	64%	69%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

Percentage of all high school students who reported (1990, 1991): ¹⁹		
a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Goal 5: Adult Literacy
Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

— data not available
▲ interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
● Definition has changed since 1992 Goals Report.
■ Interpret with caution See technical note on pp. 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 236
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	934	934
b) between 3.3 and 5.5 pounds	54	54
c) below 3.3 pounds	12	12
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	782	779
b) second trimester of pregnancy	168	165
c) third trimester of pregnancy or never	49	56
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool: (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	30	32
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

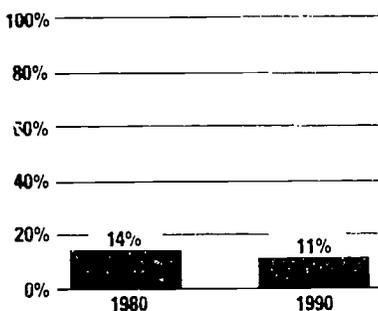
• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	86%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	11%	—
--	-----	---

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school

² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census
1980 and 1990

- Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on page 234-235.

● Interpret with caution. See technical note on page 235.
○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 16%
 - Grade 8 21% 24%^{ns}
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁶ ■
 - Grade 4 — 27%

Direct Measures of the Goal: Advanced Placement Participation and Performance

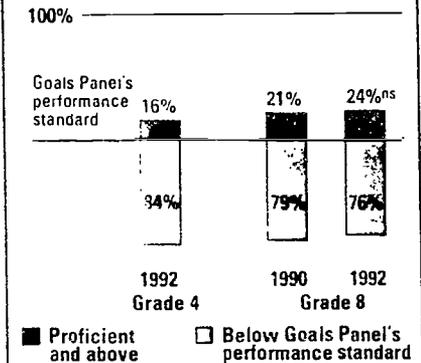
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history Number receiving grades of 3 or higher 46 62
 - Foreign languages Number receiving grades of 3 or higher 1 2
 - Fine arts Number receiving grades of 3 or higher <1 <1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 60% 85%
 - Algebra II 45% 53%
 - Calculus 8% 10%
 - Biology 95+% 95+%
 - Chemistry 42% 47%
 - Physics 19% 20%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available
^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
● Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

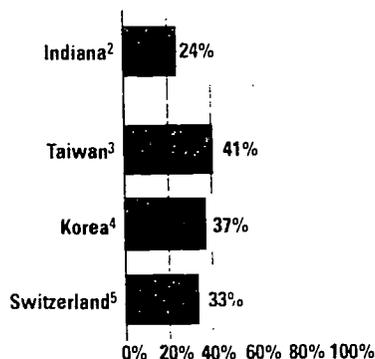
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

INDIANA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.

² Plus or minus 3 percentage points

³ Plus or minus 2 percentage points

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993
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Report

Goal 4: Science and Mathematics**Direct Measures of the Goal: International Student Achievement Comparisons**

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 24%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 39% 38%^{ns}
- work with measuring instruments or geometric solids at least once a week — 5%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 45% 44%^{ns}
- developing reasoning ability to solve unique problems 35% 45%^c
- communicating mathematics ideas 35% 34%^{ns}

c) who have computers available in their mathematics classroom 14% 15%^{ns}

d) who use calculators in mathematics class at least once a week 25% 39%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 73%
 - Grade 8 44%^c 46%^c^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 96%
 - Chemistry — 94%
 - Physics — 85%
 - Earth Science — 65%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 96%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 76%
 - Grade 8 62%^c 66%^c^{ns}

BEST COPY AVAILABLE

— Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-237.

● Interpret with caution. See technical note on page 237.
● Interpret with caution. See technical note on page 237.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

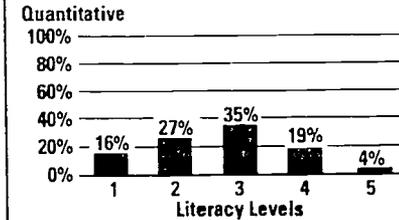
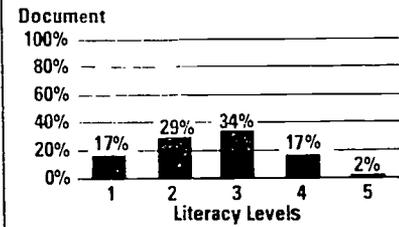
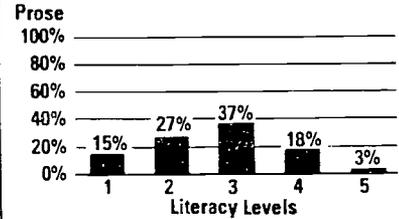
Prose:	Level 5 (highest)	—	3%
	Level 4	—	18%
	Level 3	—	37%
	Level 2	—	27%
	Level 1 (lowest)	—	15%
Document:	Level 5 (highest)	—	2%
	Level 4	—	17%
	Level 3	—	34%
	Level 2	—	29%
	Level 1 (lowest)	—	17%
Quantitative:	Level 5 (highest)	—	4%
	Level 4	—	19%
	Level 3	—	35%
	Level 2	—	27%
	Level 1 (lowest)	—	16%

Direct Measures of the Goal: Citizenship

Percentage of all U.S. citizens (1988, 1992): ¹⁸		
a) registered to vote	69%	68% ns
b) voting	61%	63% ns

Goal 5: Adult Literacy

Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

Percentage of all high school students who reported (1990, 1991): ¹⁹		
a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

▲ Data not available
● Interpret with caution. Chance was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
● Interpret with caution. See technical note on pp. 231-235.

▲ Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

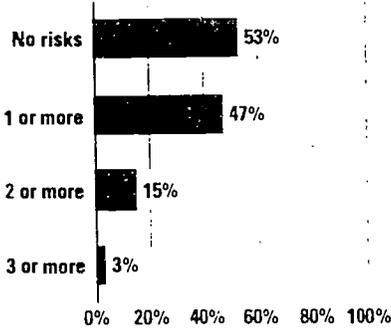


Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	946	946
b) between 3.3 and 5.5 pounds	46	45
c) below 3.3 pounds	8	9
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	854	848
b) second trimester of pregnancy	121	128
c) third trimester of pregnancy or never	25	23
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	53%
b) 1 or more risks	—	47%
c) 2 or more risks	—	15%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	45	46
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	93%	—
b) 23- to 24-year-olds	92%	—

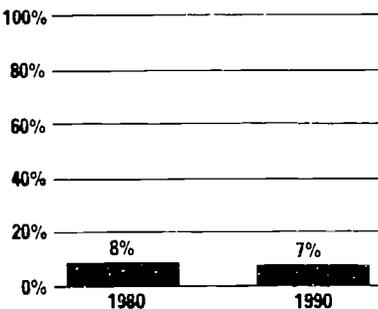
Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	7%	—
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Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
 ● Interpret with caution. See technical note on page 235
 ■ Interpret with caution. See technical note on page 234-235

Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 235
 ■ Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

IOWA

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992).⁷ ■
 - Grade 4 — 27%
 - Grade 8 30% 37%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992).⁸ ■
 - Grade 4 — 32%

Direct Measures of the Goal: Advanced Placement Participation and Performance

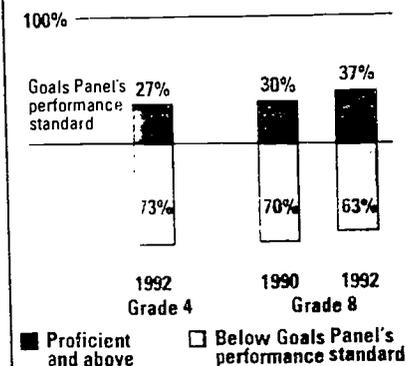
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 23 31
 - Foreign languages
Number receiving grades of 3 or higher <1 <1
 - Fine arts
Number receiving grades of 3 or higher <1 <1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 92% 95+%
 - Algebra II 50% 67%
 - Calculus 9% 12%
 - Biology 95+% 95+%
 - Chemistry 57% 64%
 - Physics 27% 30%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

Source: National Center for Education Statistics, 1993

Data not available

Interpret with caution: Change was not statistically significant

▲ Interpret with caution: See technical note on page 234
Definition has changed since 1992 Goals Report

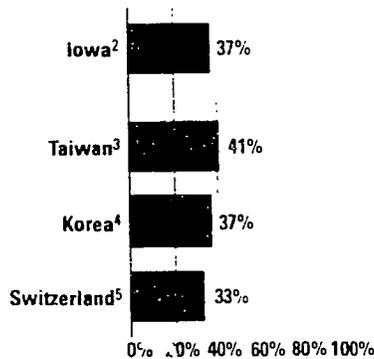
■ Interpret with caution: See technical note on pp. 234-235

● Interpret with caution: See technical note on page 236
Interpret with caution: See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



- ¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
- ² Plus or minus 3 percentage points
- ³ Plus or minus 2 percentage points
- ⁴ Plus or minus 2 percentage points
- ⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993
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Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 37%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
– work in small groups at least once a week	48%	50% ^{ns}
– work with measuring instruments or geometric solids at least once a week	—	8%
b) whose mathematics teachers heavily emphasize:		
– Algebra and functions	49%	55% ^{ns}
– developing reasoning ability to solve unique problems	38%	47% ^{ns}
– communicating mathematics ideas	28%	39%
c) who have computers available in their mathematics classroom	23%	20% ^{ns}
d) who use calculators in mathematics class at least once a week	56%	68% ^{ns}
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992): ¹³		
– Grade 4	—	59% ^{ns}
– Grade 8	41%	42% ^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4
 - Grade 8

ns Data not available
Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
● Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992).¹⁷

Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	---	3%
	Level 4	---	21%
	Level 3	---	37%
	Level 2	---	24%
	Level 1 (lowest)	---	14%
Document:	Level 5 (highest)	---	2%
	Level 4	---	19%
	Level 3	---	36%
	Level 2	---	27%
	Level 1 (lowest)	---	16%
Quantitative:	Level 5 (highest)	---	4%
	Level 4	---	23%
	Level 3	---	36%
	Level 2	---	22%
	Level 1 (lowest)	---	15%

Direct Measures of the Goal: Citizenship

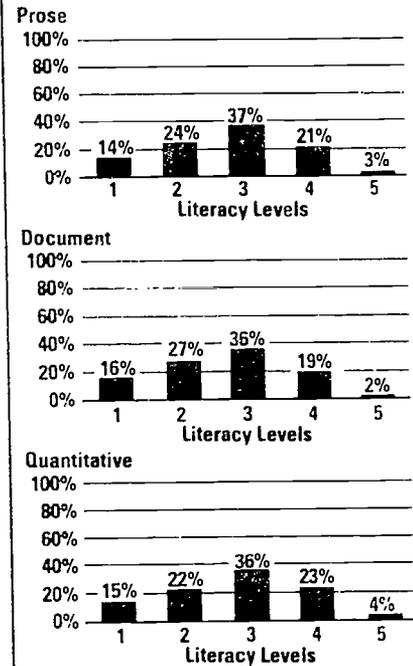
Measure	Baseline	1993 Goals Report
Percentage of all U.S. citizens (1988, 1992). ¹⁸		
a) registered to vote	73%	79%
b) voting	64%	72%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

Measure	Baseline	1993 Goals Report
Percentage of all high school students who reported (1990, 1991). ¹⁹		
a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

Goal 5: Adult Literacy
Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

--- Data not available
 * Interpret with caution. Change was not statistically significant

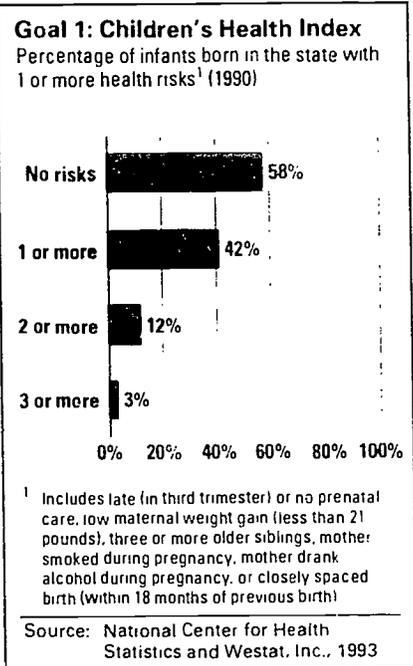
▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

KANSAS

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	939	938
b) between 3.3 and 5.5 pounds	50	52
c) below 3.3 pounds	11	10
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	816	807
b) second trimester of pregnancy	146	154
c) third trimester of pregnancy or never	38	39
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲

a) no risks	—	58%
b) 1 or more risks	—	42%
c) 2 or more risks	—	12%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	33	38
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

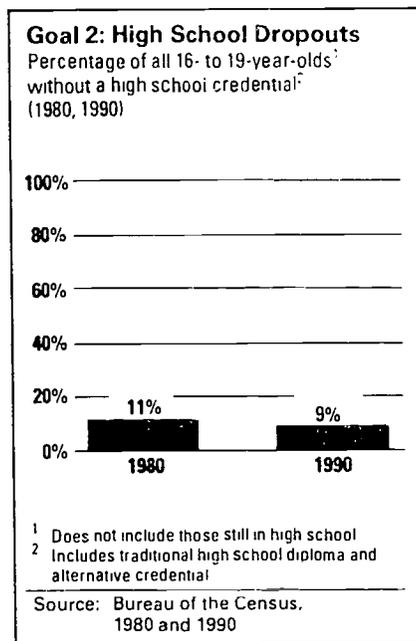
- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	89%	—
b) 23- to 24-year-olds	89%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	9%	—
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— Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

KANSAS

Baseline
1993
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Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — —
 - Grade 8 — —
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — —

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 31 33
19 19
 - Foreign languages
Number receiving grades of 3 or higher 1 1
1 1
 - Fine arts
Number receiving grades of 3 or higher <1 <1
<1 <1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 66% 95+%
 - Algebra II 47% 62%
 - Calculus 9% 11%
 - Biology 95+% 95+%
 - Chemistry 45% 49%
 - Physics 17% 22%

Data not available

15 Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234.
Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236.
Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41%	Korea = 37%	Switzerland = 33%	—	—
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Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week
 - work with measuring instruments or geometric solids at least once a week
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions
 - developing reasoning ability to solve unique problems
 - communicating mathematics ideas
 - c) who have computers available in their mathematics classroom
 - d) who use calculators in mathematics class at least once a week
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4
 - Grade 8

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4
 - Grade 8

— Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on pp. 234-235

● Interpret with caution See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

KANSAS

Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	69%	78%
b) voting	62%	73%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Data not available

Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp 234-235.

● Interpret with caution. See technical note on page 236
Interpret with caution. See technical note on page 237

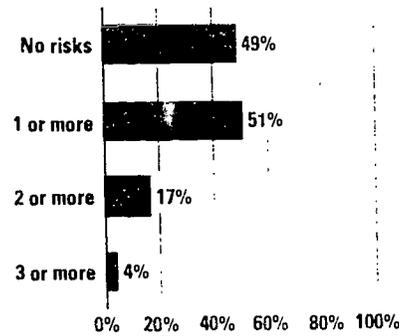
KENTUCKY

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

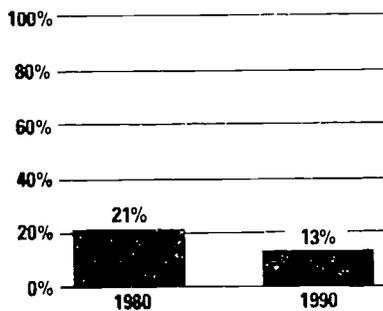


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential¹ (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	933	929
b) between 3.3 and 5.5 pounds	56	59
c) below 3.3 pounds	12	12
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	767	777
b) second trimester of pregnancy	182	175
c) third trimester of pregnancy or never	50	48
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	49%
b) 1 or more risks	—	51%
c) 2 or more risks	—	17%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	68
1992	80

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	82%	—
b) 23- to 24-year-olds	81%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	13%	—
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— Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp. 234-235

● Interpret with caution See technical note on page 235
 ● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

KENTUCKY

Baseline
1992
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Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷
 - Grade 4
 - Grade 8
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸
 - Grade 4

—	13%
14%	17% ^{ns}
—	19%

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher
 - Foreign languages
Number receiving grades of 3 or higher
 - Fine arts
Number receiving grades of 3 or higher

52	64
26	32
4	5
1	2
1	1
<1	<1

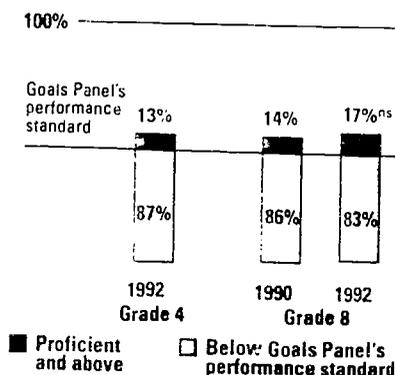
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I
 - Algebra II
 - Calculus
 - Biology
 - Chemistry
 - Physics

81%	89%
54%	61%
6%	7%
95+%	95+%
45%	51%
14%	15%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

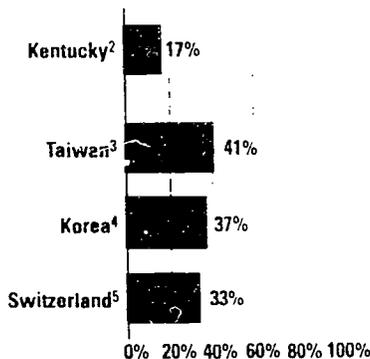
● Interpret with caution. See technical note on page 237.



Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.

² Plus or minus 2 percentage points

³ Plus or minus 2 percentage points

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 17%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
- work in small groups at least once a week	42%	52% ^{ns}
- work with measuring instruments or geometric solids at least once a week	—	6%
b) whose mathematics teachers heavily emphasize:		
- Algebra and functions	46%	50% ^{ns}
- developing reasoning ability to solve unique problems	44%	53% ^{ns}
- communicating mathematics ideas	44%	45% ^{ns}
c) who have computers available in their mathematics classroom	15%	13% ^{ns}
d) who use calculators in mathematics class at least once a week	31%	73%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 66%^o
 - Grade 8 62%^e 54%^o^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology — 98%
 - Chemistry — 98%
 - Physics — 84%
 - Earth Science — 45%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵
 - — 99%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 70%
 - Grade 8 62% 61%^{ns}

— Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on page 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

KENTUCKY

Baseline
1993
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Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

63%	65% ¹⁵
50%	58%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
 - b) Having five or more drinks in a row during the past 30 days

—	—
—	—
—	—

15 Data not available
Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237.

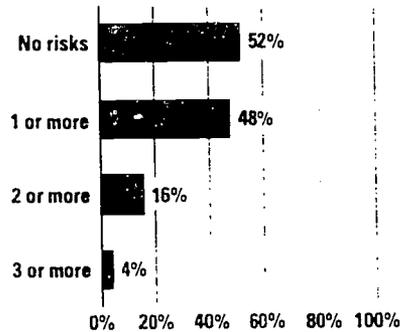
LOUISIANA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	912	908
b) between 3.3 and 5.5 pounds	72	75
c) below 3.3 pounds	16	17
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	743	745
b) second trimester of pregnancy	188	195
c) third trimester of pregnancy or never	69	59
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	52%
b) 1 or more risks	—	48%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	32
1992	35

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	81%	—
b) 23- to 24-year-olds	79%	—

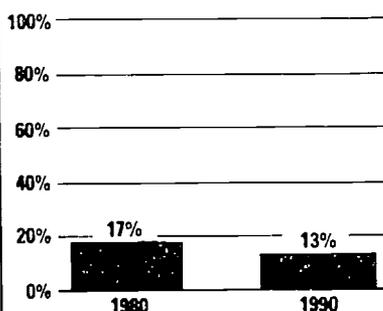
Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	13%	—
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Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Data not available
 Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp 234 235

● Interpret with caution. See technical note on page 235
 Interpret with caution. See technical note on page 236
 Interpret with caution. See technical note on page 237

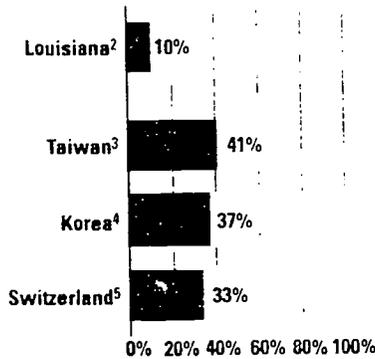
LOUISIANA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 10%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 45% 51% ns
- work with measuring instruments or geometric solids at least once a week — 3%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 59% 72%
- developing reasoning ability to solve unique problems 38% 47% ns
- communicating mathematics ideas 40% 48% ns

c) who have computers available in their mathematics classroom 11% 12% ns

d) who use calculators in mathematics class at least once a week 19% 38%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 86%
 - Grade 8 79% 74% ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology — —
- Chemistry — —
- Physics — —
- Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4 — 76%
- Grade 8 61% 61%

— Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 ● Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on page 234-235

● Interpret with caution See technical note on page 235
 ● Interpret with caution See technical note on page 236
 ● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

LOUISIANA

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

		Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	2%
	Level 4	—	13%
	Level 3	—	31%
	Level 2	—	31%
	Level 1 (lowest)	—	24%
Document:	Level 5 (highest)	—	1%
	Level 4	—	11%
	Level 3	—	30%
	Level 2	—	32%
	Level 1 (lowest)	—	26%
Quantitative:	Level 5 (highest)	—	3%
	Level 4	—	13%
	Level 3	—	29%
	Level 2	—	28%
	Level 1 (lowest)	—	26%

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - registered to vote
 - voting

76%	79% ns
66%	70% ns

Goal 6: Safe, Disciplined, and Drug-free Schools

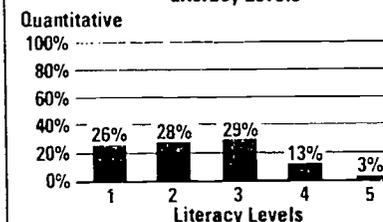
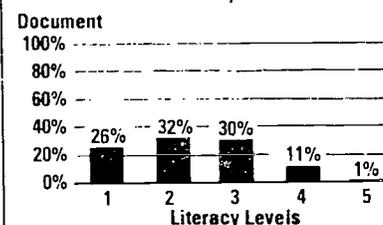
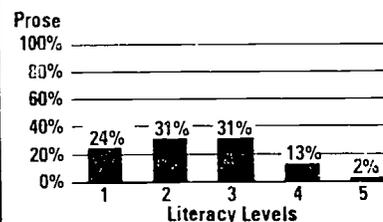
Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
 - Having five or more drinks in a row during the past 30 days

—	—
—	—
—	—

Goal 5: Adult Literacy

Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient

Source: Educational Testing Service, 1993

Data not available

▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp 234-235

▲ Interpret with caution. See technical note on page 235

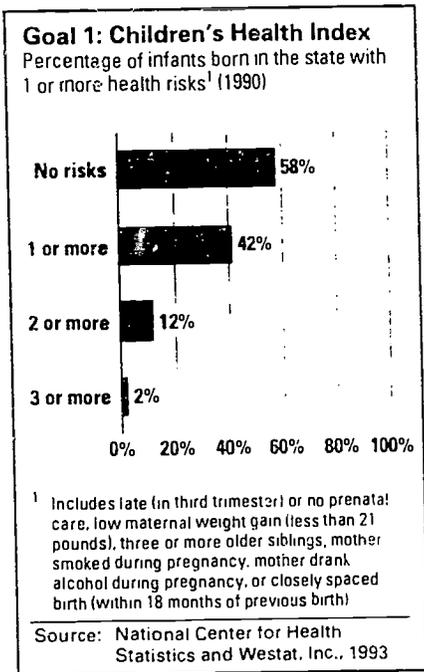
● Interpret with caution. See technical note on page 236.

■ Interpret with caution. See technical note on page 237

MAINE

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	951	949
b) between 3.3 and 5.5 pounds	41	43
c) below 3.3 pounds	7	9
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	828	850
b) second trimester of pregnancy	144	125
c) third trimester of pregnancy or never	28	25
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲

- late (in third trimester) or no prenatal care	—	58%
- low maternal weight gain (less than 21 pounds)	—	42%
- three or more older siblings	—	12%
- mother smoked during pregnancy	—	2%
- mother drank alcohol during pregnancy	—	—
- closely spaced birth (within 18 months of previous birth)	—	—
a) no risks	—	58%
b) 1 or more risks	—	42%
c) 2 or more risks	—	12%
d) 3 or more risks	—	2%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	54
1992	47

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

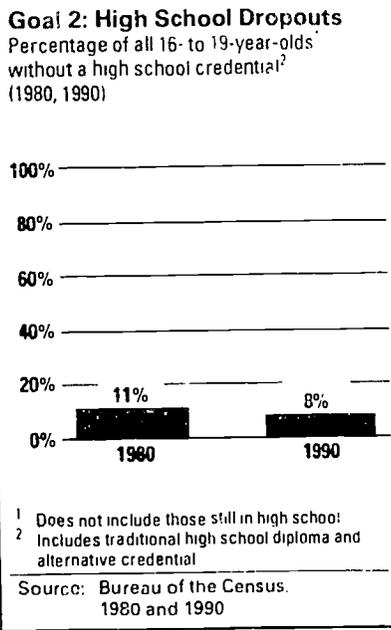
- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	90%	—
b) 23- to 24-year-olds	89%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	8%	—
------	----	---



ns Data not available
 Interpret with caution. Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234 235

● Interpret with caution See technical note on page 235
 Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

	Baseline	1993 Goals Report
- Grade 4	—	28%
- Grade 8	—	31%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	31%
-----------	---	-----

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	55 34	72 44
- Foreign languages Number receiving grades of 3 or higher	3 2	3 2
- Fine arts Number receiving grades of 3 or higher	1 1	1 1

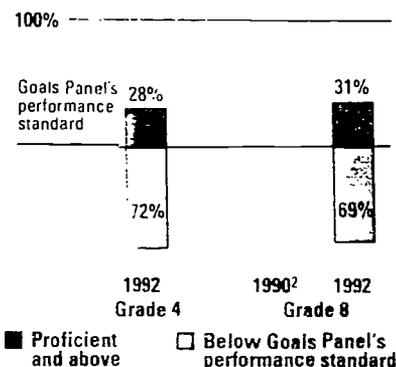
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	84%	91%
- Algebra II	64%	73%
- Calculus	—	—
- Biology	94%	95+%
- Chemistry	58%	69%
- Physics	—	50%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

² Data not available

Source: National Center for Education Statistics, 1993

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Data not available

Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

○ Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

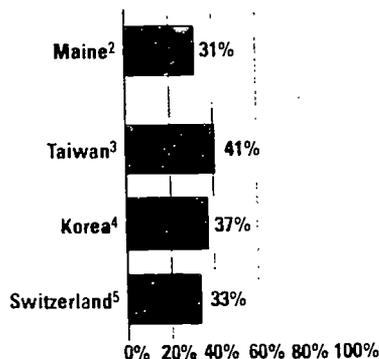
● Interpret with caution. See technical note on page 237

MAINE

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 4 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 31%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

- a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — 69%
 - work with measuring instruments or geometric solids at least once a week — 13%

- b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — 46%
 - developing reasoning ability to solve unique problems — 50%
 - communicating mathematics ideas — 34%

- c) who have computers available in their mathematics classroom — 19%

- d) who use calculators in mathematics class at least once a week — 79%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 70%
 - Grade 8 — 50%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — —
 - Chemistry — —
 - Physics — —
 - Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 73%
 - Grade 8 — 59%

Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234 235

● Interpret with caution See technical note on page 235
 ● Interpret with caution See technical note on page 237
 Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

MAINE

Baseline	1993 Goals Report
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Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - registered to vote
 - voting

82%	86%
67%	75%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

Data not available

▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp 234-235

▲ Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

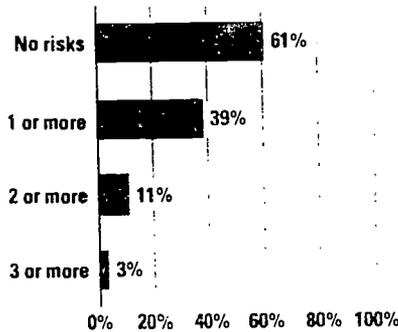
■ Interpret with caution. See technical note on page 237

MARYLAND

Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**

Goal 1: Children's Health Index
Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	919	922
b) between 3.3 and 5.5 pounds	63	62
c) below 3.3 pounds	18	16
• Number of mothers (per 1,000; 1983, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	812	835
b) second trimester of pregnancy	146	127
c) third trimester of pregnancy or never	42	39
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	61%
b) 1 or more risks	—	39%
c) 2 or more risks	—	11%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	34	36
--	----	----

Goal 2: High School Completion

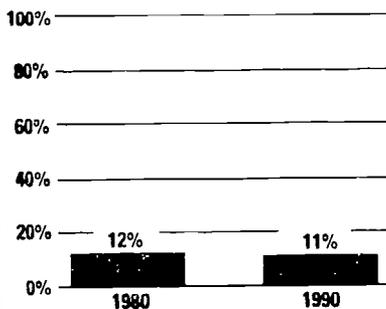
Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	87%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	11%	—
--	-----	---

Goal 2: High School Dropouts
Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992).⁷ ■
 - Grade 4 — 19%
 - Grade 8 20% 24%^{ns}
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992).⁸ ■
 - Grade 4 — 21%

Direct Measures of the Goal: Advanced Placement Participation and Performance

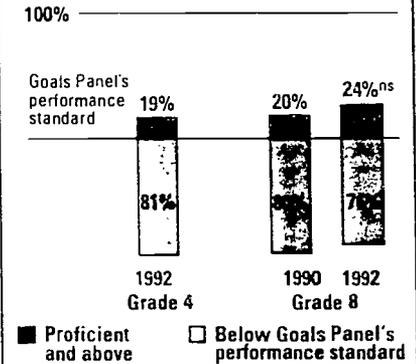
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993).⁹
 - English, mathematics, science, and history Number receiving grades of 3 or higher 110 127
76 88
 - Foreign languages 11 11
8 8
 - Fine arts 2 3
2 2

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989).¹⁰
 - Algebra I 94% —
 - Algebra II 51% —
 - Calculus 13% —
 - Biology 95+% —
 - Chemistry 61% —
 - Physics 27% —

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant

Source: National Center for Education Statistics, 1993

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Data not available
^s Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
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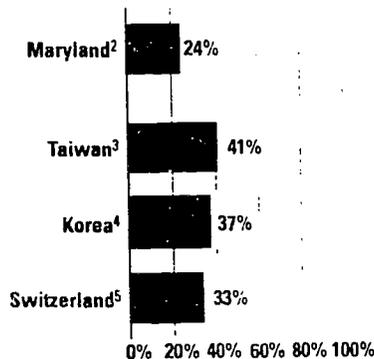
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MARYLAND

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.

² Plus or minus 3 percentage points

³ Plus or minus 2 percentage points

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 24%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week
- work with measuring instruments or geometric solids at least once a week

56% 57%^{ns}
— 6%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions
- developing reasoning ability to solve unique problems
- communicating mathematics ideas

51% 51%^{ns}
53% 51%^{ns}
48% 46%^{ns}

c) who have computers available in their mathematics classroom

16% 19%

d) who use calculators in mathematics class at least once a week

37% 61%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4
 - Grade 8

— 92%
78% 85%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology
- Chemistry
- Physics
- Earth Science

— —
— —
— —
— —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4
- Grade 8

— 71%
61% 60%^{ns}

— Data not available

ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on page 234-235.

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 235.

Measuring State Progress Toward the Goals and Objectives

MARYLAND

Baseline
1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	67%	76%
b) voting	57%	70%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Data not available

▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

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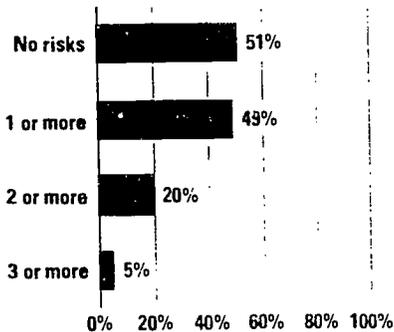
MASSACHUSETTS

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

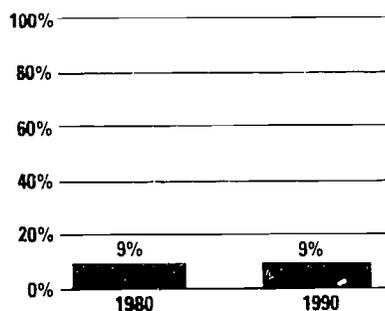
a) at or above 5.5 pounds	940	941
b) between 3.3 and 5.5 pounds	49	48
c) below 3.3 pounds	11	11
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	834	843
b) second trimester of pregnancy	135	129
c) third trimester of pregnancy or never	31	28
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	51%
b) 1 or more risks	—	49%
c) 2 or more risks	—	20%
d) 3 or more risks	—	5%

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school.
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	50
1992	52

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	90%	—
b) 23- to 24-year-olds	89%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	9%	—
------	----	---

--- Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236.
○ Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

MASSACHUSETTS

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

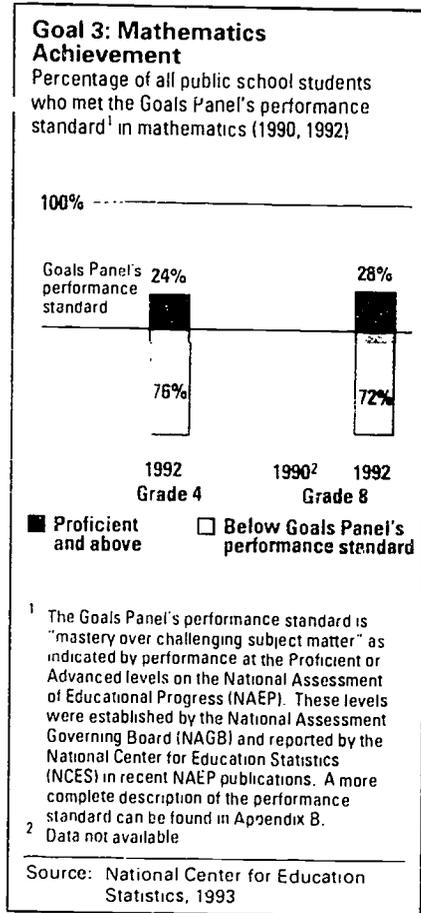
- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷
 - Grade 4 — 24%
 - Grade 8 — 28%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸
 - Grade 4 — 32%

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 97 116
69 82
 - Foreign languages 11 13
9 10
 - Fine arts 2 3
2 2

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I — —
 - Algebra II — —
 - Calculus — —
 - Biology — —
 - Chemistry — —
 - Physics — —



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Data not available

Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

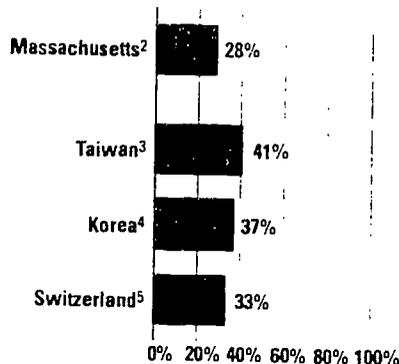
● Interpret with caution. See technical note on page 237.

MASSACHUSETTS

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991

² Plus or minus 3 percentage points

³ Plus or minus 2 percentage points

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 28%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — 44%
 - work with measuring instruments or geometric solids at least once a week — 7%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — 47%
 - developing reasoning ability to solve unique problems — 48%
 - communicating mathematics ideas — 44%
 - c) who have computers available in their mathematics classroom — 19%
 - d) who use calculators in mathematics class at least once a week — 35%
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 77%
 - Grade 8 — 56%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology —
 - Chemistry —
 - Physics —
 - Earth Science —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)¹⁵ ● —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 72%
 - Grade 8 — 59%

— Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234 Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

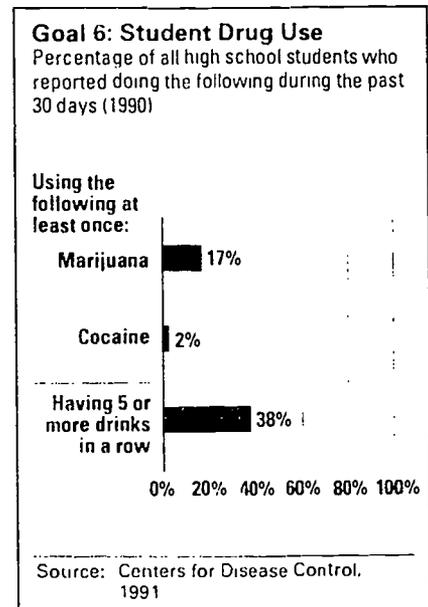
Measure	Baseline	1993 Goals Report
a) registered to vote	74%	77%
b) voting	67%	70%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990):¹⁹

Measure	Baseline	1993 Goals Report
a) Using the following at least once during the past 30 days:		
- marijuana	17%	—
- cocaine	2%	—
b) Having five or more drinks in a row during the past 30 days	38%	—



Data not available
Interpret with caution. Change was not statistically significant.

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● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 237.

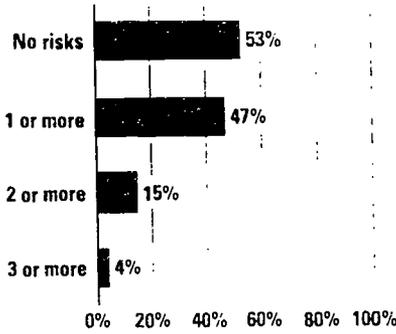
MICHIGAN

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

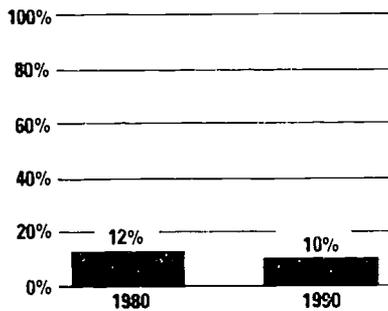


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential¹ (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	927	924
b) between 3.3 and 5.5 pounds	59	60
c) below 3.3 pounds	14	15
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	799	794
b) second trimester of pregnancy	164	165
c) third trimester of pregnancy or never	37	41
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	53%
b) 1 or more risks	—	47%
c) 2 or more risks	—	15% _c
d) 3 or more risks	—	4% _c

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	34	37
------	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	88% _c	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	10%	—
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— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

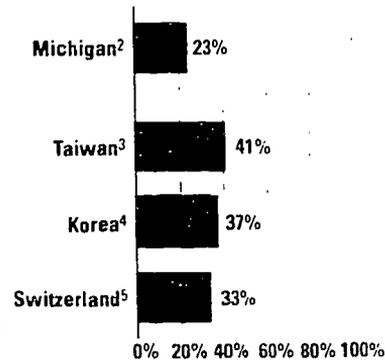
● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

MICHIGAN

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 23%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992).¹²
 - a) whose teachers report that they do these activities in mathematics class.
 - work in small groups at least once a week: 44% (Baseline) / 56% (1993)
 - work with measuring instruments or geometric solids at least once a week: — / 16%
 - b) whose mathematics teachers heavily emphasize
 - Algebra and functions: 47% (Baseline) / 47% (1993)
 - developing reasoning ability to solve unique problems: 43% (Baseline) / 52% (1993) ns
 - communicating mathematics ideas: 35% (Baseline) / 44% (1993) ns
 - c) who have computers available in their mathematics classroom: 20% (Baseline) / 13% (1993) ns
 - d) who use calculators in mathematics class at least once a week: 40% (Baseline) / 76% (1993)
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992).¹³
 - Grade 4: — (Baseline) / 83% (1993)
 - Grade 8: 67% (Baseline) / 78% (1993) ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991).¹⁴
 - Biology: — (Baseline) / — (1993)
 - Chemistry: — (Baseline) / — (1993)
 - Physics: — (Baseline) / — (1993)
 - Earth Science: — (Baseline) / — (1993)
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991).¹⁵
 - — (Baseline) / — (1993)

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992).¹⁶
 - Grade 4: — (Baseline) / 72% (1993)
 - Grade 8: 61% (Baseline) / 60% (1993) ns

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ● Interpret with caution. See technical note on page 236.
 ■ Interpret with caution. See technical note on pp. 234-235.

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Measuring State Progress Toward the Goals and Objectives



Baseline	1993 Goals Report
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Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	-	-
Document:	Level 5 (highest)	---	-
	Level 4	-	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	-
	Level 4	---	---
	Level 3	---	---
	Level 2	-	-
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	74%	77%
b) voting	61%	68%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:

- marijuana	-	---
- cocaine	---	-

b) Having five or more drinks in a row during the past 30 days

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Data not available

is Interpret with caution. Change was not statistically significant

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● Interpret with caution. See technical note on page 236.

Interpret with caution. See technical note on page 237.

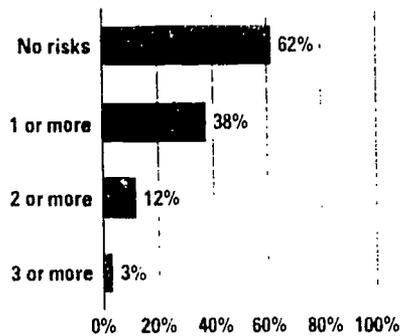
MINNESOTA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

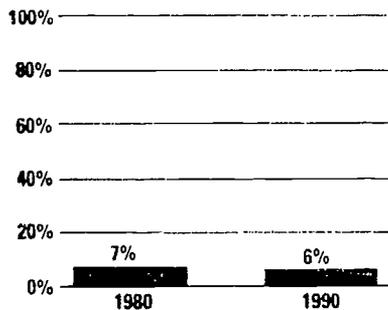


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school!
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000, 1988, 1990):¹

a) at or above 5.5 pounds	950	949
b) between 3.3 and 5.5 pounds	41	41
c) below 3.3 pounds	9	9
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	798	812
b) second trimester of pregnancy	158	152
c) third trimester of pregnancy or never	44	36
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	62%
b) 1 or more risks	—	38%
c) 2 or more risks	—	12%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	42	44
------	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	92%	—
b) 23- to 24-year-olds	93%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	6%	—
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— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp. 234-235

● Interpret with caution See technical note on page 235
 Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

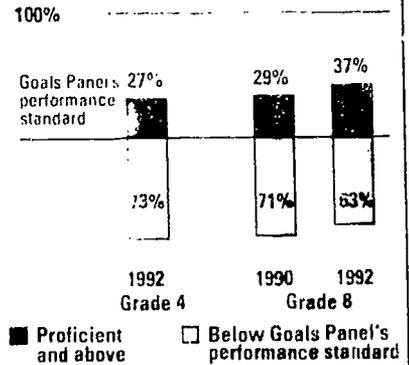
Grade 4	—	27%
Grade 8	29%	37%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

Grade 4	—	28%
---------	---	-----

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B

Source: National Center for Education Statistics, 1993

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

English, mathematics, science, and history Number receiving grades of 3 or higher	28 18	37 25
Foreign languages Number receiving grades of 3 or higher	2 1	2 1
Fine arts Number receiving grades of 3 or higher	<1 <1	<1 <1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

Algebra I	90%	95+%
Algebra II	55%	62%
Calculus	12%	13%
Biology	95+%	95+%
Chemistry	44%	52%
Physics	23%	25%

Data not available

⁸ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234
Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

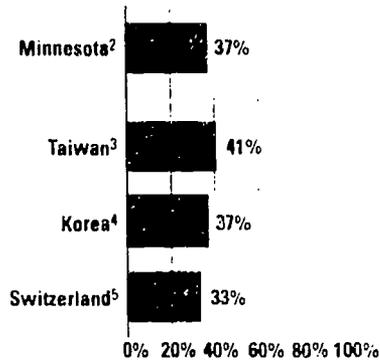
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237

MINNESOTA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% --- 37%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992).¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 43%₀ 51%_c ns
 - work with measuring instruments or geometric solids at least once a week: --- 9%_c
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 50%₀ 54%_c ns
 - developing reasoning ability to solve unique problems: 36%₀ 46%_c ns
 - communicating mathematics ideas: 29%₀ 31%_c ns
 - c) who have computers available in their mathematics classroom: 23%₀ 19%_c ns
 - d) who use calculators in mathematics class at least once a week: 56%₀ 77%_c
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992).¹³
 - Grade 4: --- 72%_c
 - Grade 8: 52%₀ 43%_c ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991).¹⁴ ●
 - Biology: --- 98%
 - Chemistry: --- 88%
 - Physics: --- 89%
 - Earth Science: --- 77%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991).¹⁵ ●
 - --- 98%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992).¹⁶
 - Grade 4: --- 74%_c
 - Grade 8: 56%₀ 57%_c ns

— Data not available
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● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

MINNESOTA

Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	79%	88%
b) voting	71%	76%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days.		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

Data not available.

15 Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

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Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

Interpret with caution. See technical note on page 237.

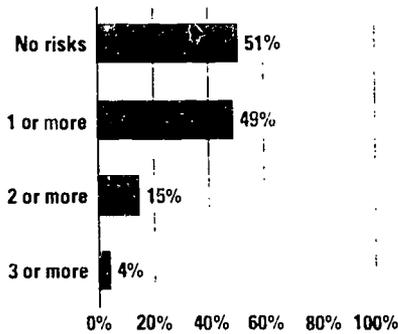
MISSISSIPPI

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

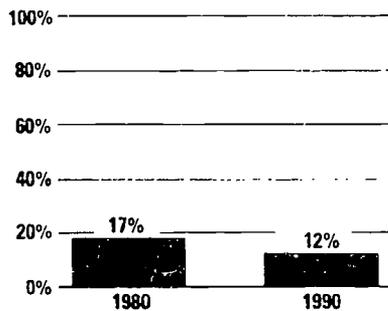


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	913	904
b) between 3.3 and 5.5 pounds	72	79
c) below 3.3 pounds	15	17
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	759	745
b) second trimester of pregnancy	201	207
c) third trimester of pregnancy or never	41	48
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	51%
b) 1 or more risks	—	49%
c) 2 or more risks	—	15%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	46
1992	39

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	83%	—
b) 23- to 24-year-olds	80%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	12%	—
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— Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 7%
 - Grade 8 — 8%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — 12%

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

English, mathematics, science, and history Number receiving grades of 3 or higher	32 16	36 18
- Foreign languages Number receiving grades of 3 or higher	<1 <1	<1 <1
- Fine arts Number receiving grades of 3 or higher	<1 <1	<1 <1

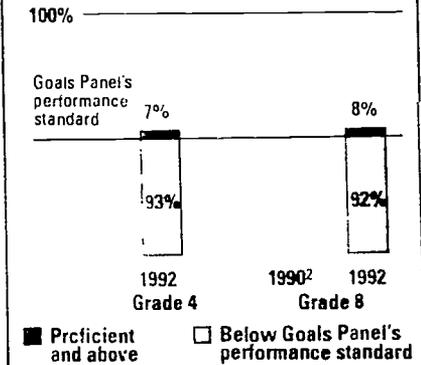
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	85%	95+%
- Algebra II	58%	64%
- Calculus	3%	4%
- Biology	95+%	95+%
- Chemistry	55%	57%
- Physics	17%	17%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

² Data not available.

Source: National Center for Education Statistics, 1993

○ Data not available

⊕ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234.

△ Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

○ Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

○ Interpret with caution. See technical note on page 237.

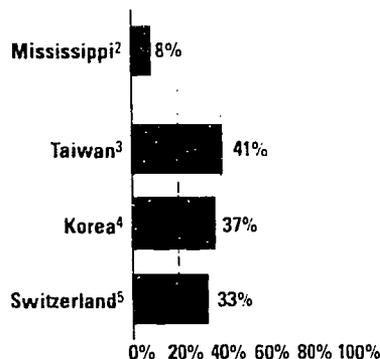
MISSISSIPPI

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 8%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

- a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — 40%
 - work with measuring instruments or geometric solids at least once a week — 10%

- b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — 44%
 - developing reasoning ability to solve unique problems — 56%
 - communicating mathematics ideas — 58%

- c) who have computers available in their mathematics classroom — 10%

- d) who use calculators in mathematics class at least once a week — 25%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 92%
 - Grade 8 — 77%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 80%
 - Chemistry — 75%
 - Physics — 50%
 - Earth Science — 86%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 90%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 76%
 - Grade 8 — 68%

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 235.

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Measure	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

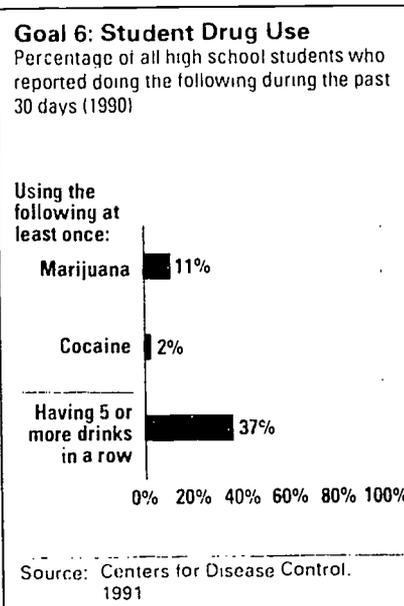
Measure	Baseline	1993 Goals Report
a) registered to vote	78%	80% ^{ns}
b) voting	63%	67% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
 - b) Having five or more drinks in a row during the past 30 days

Measure	Baseline	1993 Goals Report
a) Using the following at least once during the past 30 days:		
- marijuana	11%	—
- cocaine	2%	—
b) Having five or more drinks in a row during the past 30 days	37%	—



¹⁷ Data not available
¹⁸ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

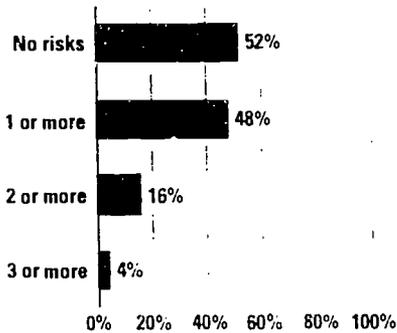
MISSOURI

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	932	929
b) between 3.3 and 5.5 pounds	56	59
c) below 3.3 pounds	12	12
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	792	785
b) second trimester of pregnancy	164	167
c) third trimester of pregnancy or never	44	48
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	52%
b) 1 or more risks	—	48%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	18	23
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

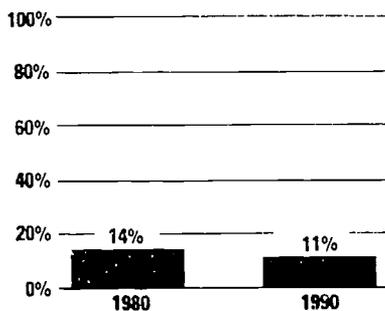
• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	85%	—
b) 23- to 24-year-olds	86%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	11%	—
--	-----	---

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential¹ (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

-- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 235.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷
 - Grade 4 — 19%
 - Grade 8 — 24%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸
 - Grade 4 — 26%

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	28 21	37 27
- Foreign languages Number receiving grades of 3 or higher	2 1	2 2
- Fine arts Number receiving grades of 3 or higher	<1 <1	1 <1

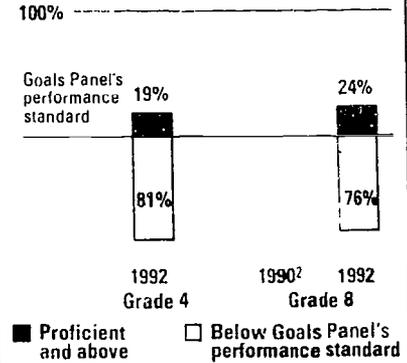
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	95%	95+%
- Algebra II	58%	63%
- Calculus	8%	11%
- Biology	86%	90%
- Chemistry	41%	46%
- Physics	16%	18%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

² Data not available.

Source: National Center for Education Statistics, 1993

Data not available

Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp 234-235

Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236.

■ Interpret with caution. See technical note on page 237.

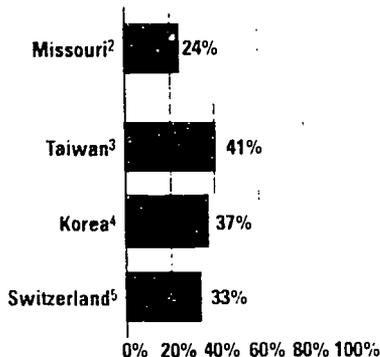
MISSOURI

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.

² Plus or minus 3 percentage points

³ Plus or minus 2 percentage points

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 24%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

- a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — 40%
 - work with measuring instruments or geometric solids at least once a week — 8%

- b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — 43%
 - developing reasoning ability to solve unique problems — 42%
 - communicating mathematics ideas — 34%

- c) who have computers available in their mathematics classroom — 19%

- d) who use calculators in mathematics class at least once a week — 78%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 56%
 - Grade 8 — 44%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology — 96%
 - Chemistry — 93%
 - Physics — 74%
 - Earth Science — 65%

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 99%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 74%
 - Grade 8 — 62%

-- Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 231.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

MISSOURI

Baseline
1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults age 16 and older who scored at the following literacy levels (1992):¹⁷

		Baseline	1993
Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

	Baseline	1993
a) registered to vote	76%	75% ^{ns}
b) voting	66%	67% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

	Baseline	1993
a) Using the following at least once during the past 30 days.		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

Data not available

^{ns} Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

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Interpret with caution. See technical note on page 235.

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Interpret with caution. See technical note on page 237.

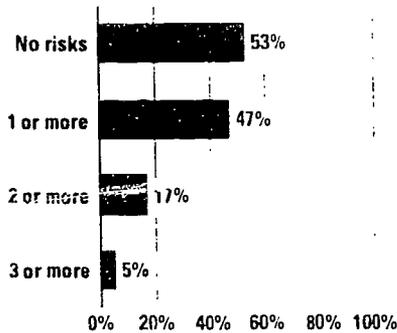
MONTANA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

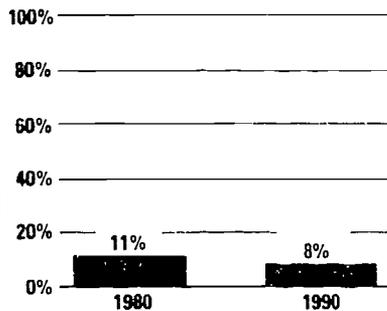


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	940	938
b) between 3.3 and 5.5 pounds	52	51
c) below 3.3 pounds	8	10
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	777	763
b) second trimester of pregnancy	172	185
c) third trimester of pregnancy or never	51	51
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	53%
b) 1 or more risks	—	47%
c) 2 or more risks	—	17%
d) 3 or more risks	—	5%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	46	49
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	89%	—
b) 23- to 24-year-olds	89%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	8%	—
--	----	---

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

MONTANA

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — —
 - Grade 8 — —
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — —

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 33 37
21 24
 - Foreign languages
Number receiving grades of 3 or higher 1 1
<1 1
 - Fine arts
Number receiving grades of 3 or higher 2 2
2 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 94% 90%
 - Algebra II 65% 58%
 - Calculus 6% 6%
 - Biology 95+% 95+%
 - Chemistry 48% 55%
 - Physics 24% 27%

Data not available

ns Interpret with caution. Change was not statistically significant.

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● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

● Interpret with caution. See technical note on page 237.

MONTANA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% -- --

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class
 - work in small groups at least once a week --
 - work with measuring instruments or geometric solids at least once a week --
 - b) whose mathematics teachers heavily emphasize
 - Algebra and functions --
 - developing reasoning ability to solve unique problems --
 - communicating mathematics ideas --
 - c) who have computers available in their mathematics classroom --
 - d) who use calculators in mathematics class at least once a week --
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 --
 - Grade 8 --

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology -- 100%
 - Chemistry -- 99%
 - Physics -- 96%
 - Earth Science -- 95%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● -- 99%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 -- --
 - Grade 8 -- --

-- Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on page 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 235

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	--	--
	Level 4	---	---
	Level 3	-	-
	Level 2	--	---
	Level 1 (lowest)	--	---
Document:	Level 5 (highest)	--	---
	Level 4	-	-
	Level 3	--	---
	Level 2	---	---
	Level 1 (lowest)	-	-
Quantitative:	Level 5 (highest)	--	---
	Level 4	---	---
	Level 3	--	---
	Level 2	---	---
	Level 1 (lowest)	--	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	76%	78% ¹⁵
b) voting	69%	72% ¹⁵

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	---	--
- cocaine	--	---
b) Having five or more drinks in a row during the past 30 days	--	---

- Data not available

¹⁵ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

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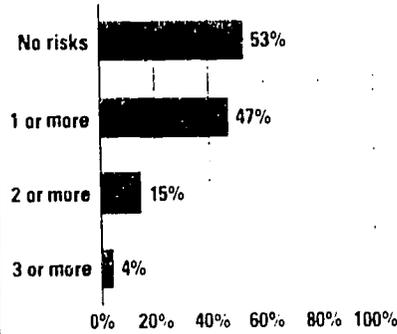
NEBRASKA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

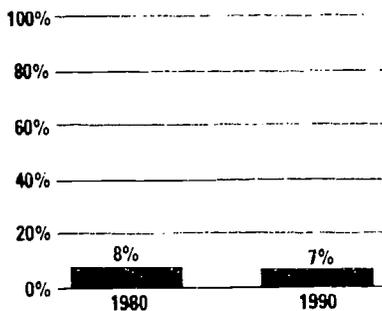


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	945	947
b) between 3.3 and 5.5 pounds	46	44
c) below 3.3 pounds	9	9
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	824	825
b) second trimester of pregnancy	144	141
c) third trimester of pregnancy or never	32	33
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲

-- late (in third trimester) or no prenatal care		
-- low maternal weight gain (less than 21 pounds)		
-- three or more older siblings		
-- mother smoked during pregnancy		
-- mother drank alcohol during pregnancy		
-- closely spaced birth (within 18 months of previous birth)		
a) no risks	--	53%
b) 1 or more risks	--	47%
c) 2 or more risks	--	15%
d) 3 or more risks	--	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

	34	38
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	92%	--
b) 23- to 24-year-olds	92%	--

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

	7%	--
--	----	----

-- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 237.
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	23%
- Grade 8	30%	32% ^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	27%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	34 22	42 28
- Foreign languages Number receiving grades of 3 or higher	1 <1	1 <1
- Fine arts Number receiving grades of 3 or higher	<1 <1	<1 <1

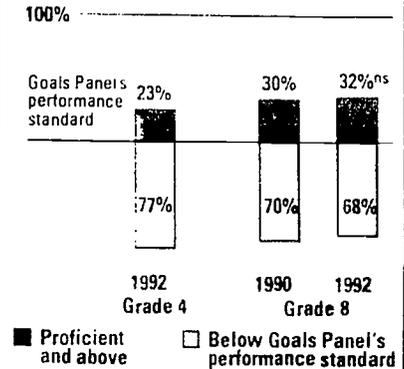
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	75%	95+%
- Algebra II	54%	58%
- Calculus	6%	14%
- Biology	95+%	95+%
- Chemistry	46%	50%
- Physics	21%	24%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available
¹⁵ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
● Interpret with caution. See technical note on pp 234-235

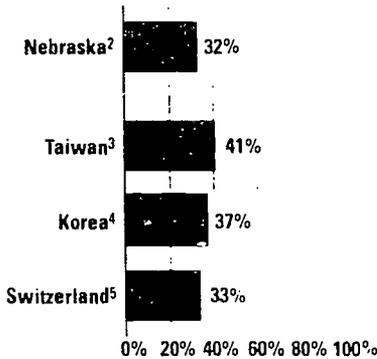
● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237.

NEBRASKA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 4 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 32%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 46% (Baseline) / 49% (1993) ns
 - work with measuring instruments or geometric solids at least once a week: — / 7%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 51% / 45% ns
 - developing reasoning ability to solve unique problems: 39% / 41% ns
 - communicating mathematics ideas: 31% / 23% ns
 - c) who have computers available in their mathematics classroom: 17% / 22% ns
 - d) who use calculators in mathematics class at least once a week: 55% / 66% ns
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — / 50%
 - Grade 8: 40% / 26%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology: — / —
 - Chemistry: — / —
 - Physics: — / —
 - Earth Science: — / —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●
 - / —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — / 73%
 - Grade 8: 62% / 62%

... Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Measure	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

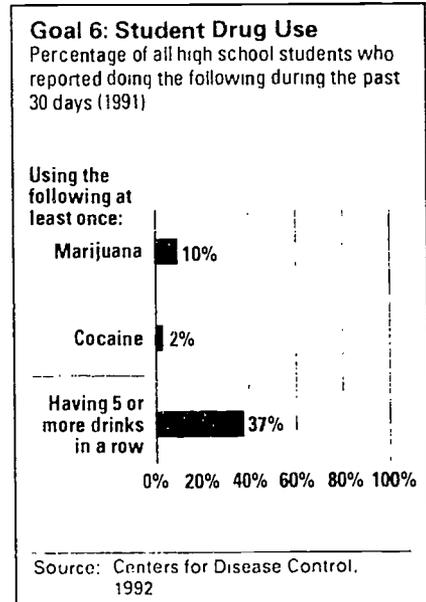
Measure	Baseline	1993 Goals Report
a) registered to vote	72%	74% ^{ns}
b) voting	65%	67% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1991):¹⁹

Measure	Baseline	1993 Goals Report
a) Using the following at least once during the past 30 days:		
- marijuana	10%	—
- cocaine	2%	—
b) Having five or more drinks in a row during the past 30 days	37%	—



Data not available
^{ns} interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235. Interpret with caution. See technical note on page 237.

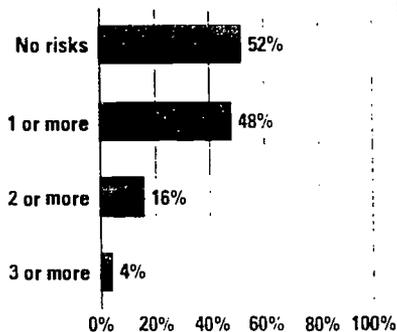
NEVADA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

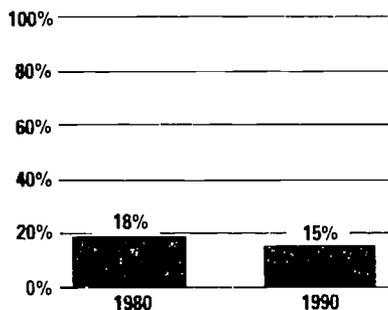


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	925	928
b) between 3.3 and 5.5 pounds	63	61
c) below 3.3 pounds	12	11
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	720	725
b) second trimester of pregnancy	186	194
c) third trimester of pregnancy or never	94	81
- Percentage of infants born in the state with one or more of the following health risks (1990):² ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	52%
b) 1 or more risks	—	48%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	26	31
------	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	78%	—
b) 23- to 24-year-olds	80%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	15%	—
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— Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

NEVADA

Baseline
1993
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Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — —
 - Grade 8 — —
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — —

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 62 65
29 34
 - Foreign languages
Number receiving grades of 3 or higher 4 5
3 3
 - Fine arts
Number receiving grades of 3 or higher 1 1
<1 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 90% 80%
 - Algebra II 32% 43%
 - Calculus 5% 5%
 - Biology 65% 95+%
 - Chemistry 33% 43%
 - Physics 13% 18%

Data not available

▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp 234-235.

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

● Interpret with caution. See technical note on page 237.



Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — —

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — —
 - work with measuring instruments or geometric solids at least once a week — —
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — —
 - developing reasoning ability to solve unique problems — —
 - communicating mathematics ideas — —
 - c) who have computers available in their mathematics classroom — —
 - d) who use calculators in mathematics class at least once a week — —
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — —
 - Grade 8 — —

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 99%
 - Chemistry — —
 - Physics — 96%
 - Earth Science — 92%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 95%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — —
 - Grade 8 — —

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 237.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 58% 68%
 - b) voting 50% 63%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana — —
 - cocaine — —
 - b) Having five or more drinks in a row during the past 30 days — —

— Data not available.
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

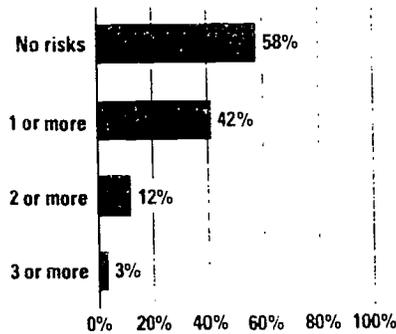
NEW HAMPSHIRE

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
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Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

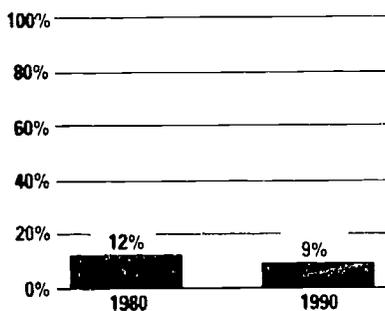


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school.
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	952	951
b) between 3.3 and 5.5 pounds	40	40
c) below 3.3 pounds	8	9
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	841	858
b) second trimester of pregnancy	129	118
c) third trimester of pregnancy or never	30	25
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	58%
b) 1 or more risks	—	42%
c) 2 or more risks	—	12%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	29	31
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	87%	—
b) 23- to 24-year-olds	88%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁵	9%	—
--	----	---

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
Definition has changed since 1992 Goals Report;
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 237
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
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Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	26%
- Grade 8	25%	30%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	34%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	63 45	78 57
- Foreign languages Number receiving grades of 3 or higher	5 4	6 4
- Fine arts Number receiving grades of 3 or higher	1 1	1 1

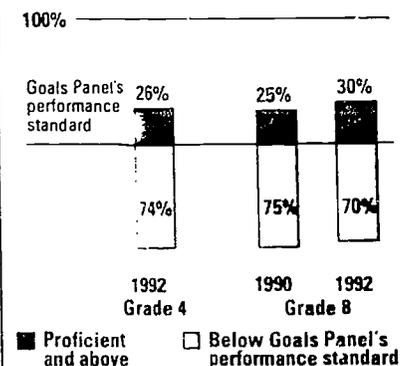
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	—	—
- Algebra II	—	—
- Calculus	—	—
- Biology	—	—
- Chemistry	—	—
- Physics	—	—

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B

Source: National Center for Education Statistics, 1993

Data not available.

¹⁵ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237.

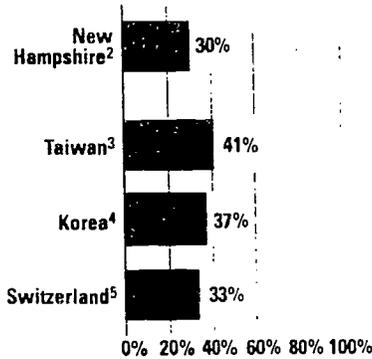
NEW HAMPSHIRE

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 30%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 57% 59% ^{ns}
- work with measuring instruments or geometric solids at least once a week — 9%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 47% 42% ^{ns}
- developing reasoning ability to solve unique problems 45% 47% ^{ns}
- communicating mathematics ideas 37% 37%

c) who have computers available in their mathematics classroom 24% 19% ^{ns}

d) who use calculators in mathematics class at least once a week 58% 62% ^{ns}

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 76%
 - Grade 8 38% 61%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology — —
- Chemistry — —
- Physics — —
- Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4 — 70%
- Grade 8 58% 59% ^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

NEW HAMPSHIRE

Baseline
1993
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Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

67%	72% ^{ns}
59%	66%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

- Data not available.
^{ns} Interpret with caution. Change was not statistically significant.

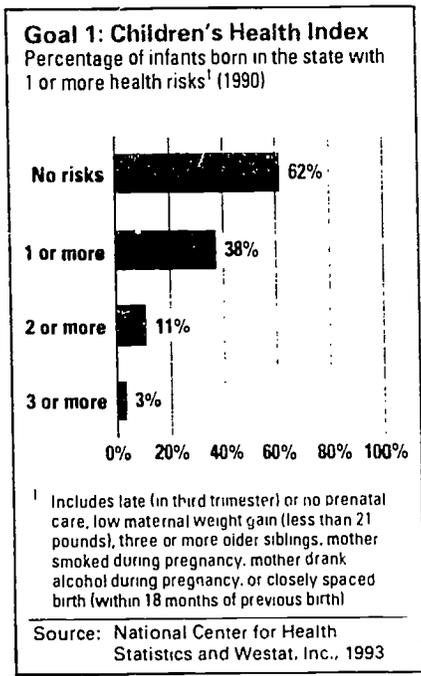
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 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

NEW JERSEY

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	930	930
b) between 3.3 and 5.5 pounds	57	56
c) below 3.3 pounds	14	14
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	797	817
b) second trimester of pregnancy	148	138
c) third trimester of pregnancy or never	54	45
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	--	62%
b) 1 or more risks	-	38%
c) 2 or more risks	--	11%
d) 3 or more risks	--	3%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	47	47
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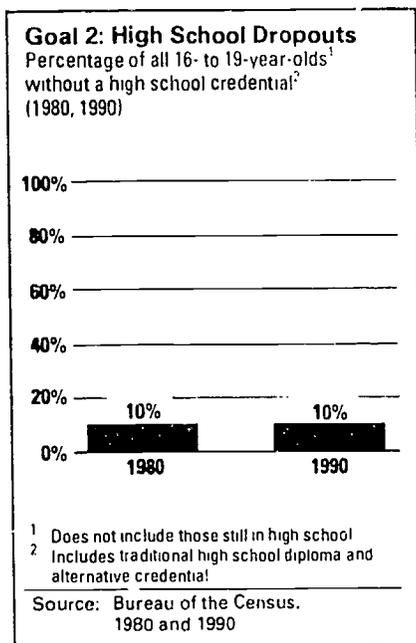
Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	86%	--
b) 23- to 24-year-olds	88%	--

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	10%	--
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-- Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline **1993 Goals Report**

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 25%
 - Grade 8 25% 28%^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — 31%

Direct Measures of the Goal: Advanced Placement Participation and Performance

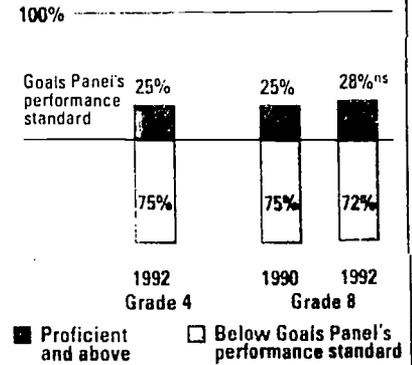
• Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993): ⁹		
- English, mathematics, science, and history Number receiving grades of 3 or higher	99 69	119 82
- Foreign languages Number receiving grades of 3 or higher	10 7	11 8
- Fine arts Number receiving grades of 3 or higher	2 1	3 2

Additional Important Information: Participation in Challenging Courses

• Estimated percentage of public high school students taking the following courses (1989, 1991): ¹⁰		
- Algebra I	—	—
- Algebra II	—	—
- Calculus	—	—
- Biology	—	—
- Chemistry	—	—
- Physics	—	—

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

— Data not available
^{ns} Interpret with caution. Change was not statistically significant.

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 ○ Interpret with caution. See technical note on page 237.

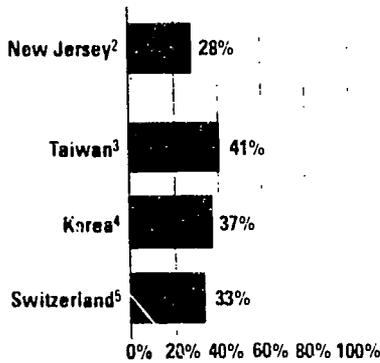
NEW JERSEY

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 28%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 44% (Baseline) vs 52% (1993) ns
 - work with measuring instruments or geometric solids at least once a week: — vs 10%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 55% vs 47% ns
 - developing reasoning ability to solve unique problems: 49% vs 63%
 - communicating mathematics ideas: 49% vs 55% ns
 - c) who have computers available in their mathematics classroom: 19% vs 27% ns
 - d) who use calculators in mathematics class at least once a week: 21% vs 51%
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — vs 95% c
 - Grade 8: 83% vs 84% ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology: — vs —
 - Chemistry: — vs —
 - Physics: — vs —
 - Earth Science: — vs —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵
 - vs —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — vs 76%
 - Grade 8: 63% vs 63%

— Data not available
 ns Interpret with caution. Change was not statistically significant

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 ○ Interpret with caution. See technical note on page 237

L36

Measuring State Progress Toward the Goals and Objectives



Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	4%
	Level 4	—	17%
	Level 3	—	32%
	Level 2	—	27%
	Level 1 (lowest)	—	20%
Document:	Level 5 (highest)	—	3%
	Level 4	—	16%
	Level 3	—	30%
	Level 2	—	28%
	Level 1 (lowest)	—	23%
Quantitative:	Level 5 (highest)	—	5%
	Level 4	—	18%
	Level 3	—	32%
	Level 2	—	23%
	Level 1 (lowest)	—	23%

Direct Measures of the Goal: Citizenship

Percentage of all U.S. citizens (1988, 1992): ¹⁸		
a) registered to vote	72%	75%
b) voting	64%	67%

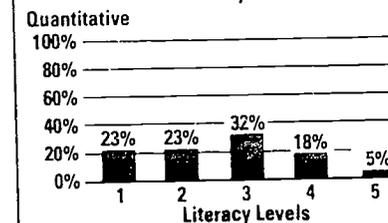
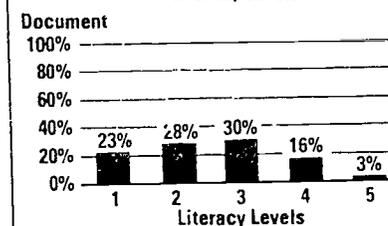
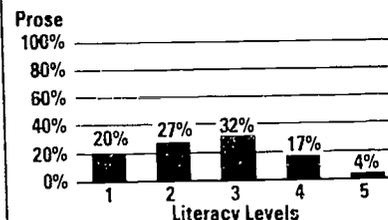
Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Goal 5: Adult Literacy
Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

Data not available

¹⁵ Interpret with caution. Change was not statistically significant.

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● Interpret with caution. See technical note on page 236.
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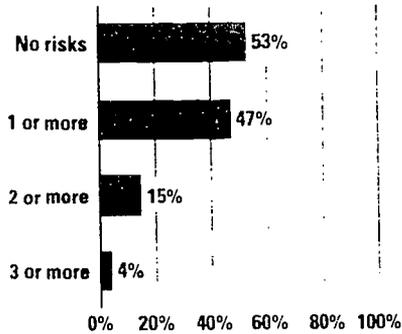
NEW MEXICO

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

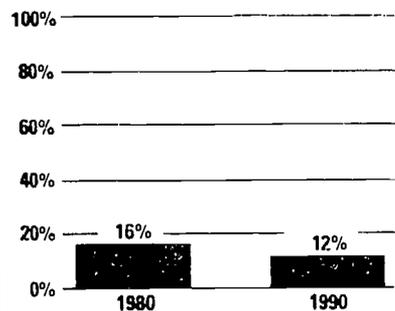


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	928	926
b) between 3.3 and 5.5 pounds	63	63
c) below 3.3 pounds	10	10
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	549	573
b) second trimester of pregnancy	290	299
c) third trimester of pregnancy or never	161	128
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲

a) no risks	—	53%
b) 1 or more risks	—	47%
c) 2 or more risks	—	15%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	28
1992	33

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	82%	—
b) 23- to 24-year-olds	82%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	12%	—
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— Data not available
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Measuring State Progress Toward the Goals and Objectives

NEW MEXICO

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 11%
 - Grade 8 13% 14%^{ns}
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — 20%

Direct Measures of the Goal: Advanced Placement Participation and Performance

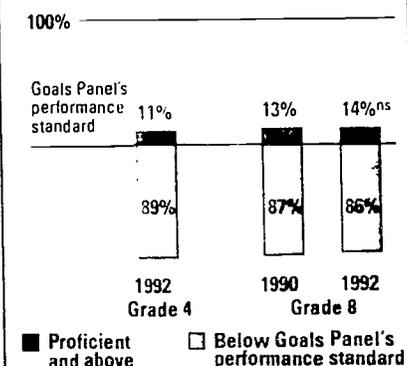
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history Number receiving grades of 3 or higher 61 63
36 37
 - Foreign languages 6 6
Number receiving grades of 3 or higher 4 4
 - Fine arts i 2
Number receiving grades of 3 or higher 1 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 95+% 95+%
 - Algebra II 47% 51%
 - Calculus 8% 8%
 - Biology 95+% 95+%
 - Chemistry 33% 40%
 - Physics 15% 16%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

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Data not available

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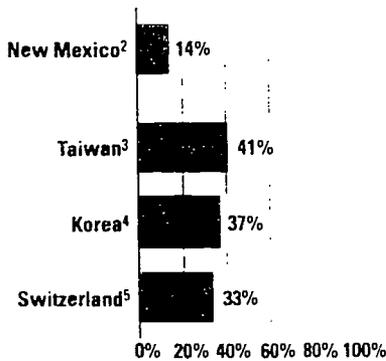
NEW MEXICO

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 14%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week 51% 58% ns
 - work with measuring instruments or geometric solids at least once a week — 5%

b) whose mathematics teachers heavily emphasize:
 - Algebra and functions 53% 49% ns
 - developing reasoning ability to solve unique problems 48% 46% ns
 - communicating mathematics ideas 40% 44% ns

c) who have computers available in their mathematics classroom 12% 13% ns

d) who use calculators in mathematics class at least once a week 30% 44%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 57%
 - Grade 8 61% 50%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 100%
 - Chemistry — —
 - Physics — 99%
 - Earth Science — 98%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 100%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 74%
 - Grade 8 59% 55% ns

— Data not available
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Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

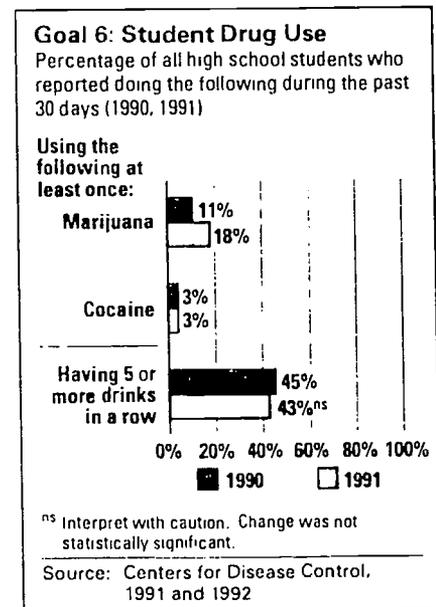
a) registered to vote	69%	71% ^{ns}
b) voting	58%	66%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	11%	18%
- cocaine	3%	3%
b) Having five or more drinks in a row during the past 30 days	45%	43% ^{ns}



Data not available

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NEW YORK

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	922	924
b) between 3.3 and 5.5 pounds	63	62
c) below 3.3 pounds	15	14
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	748	731
b) second trimester of pregnancy	183	186
c) third trimester of pregnancy or never	69	82
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	35	39
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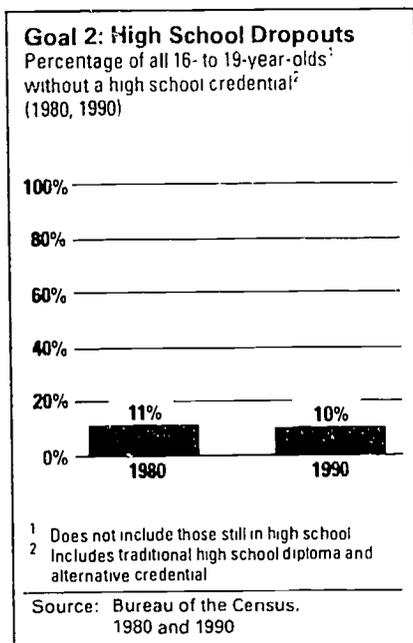
Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	85%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	10%	—
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— Data not available
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Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4
- Grade 8

— 17%
19% 24%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4

— 23%

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history
Number receiving grades of 3 or higher
- Foreign languages
Number receiving grades of 3 or higher
- Fine arts
Number receiving grades of 3 or higher

127 145
81 94
13 15
9 10
3 3
2 2

Additional Important Information: Participation in Challenging Courses

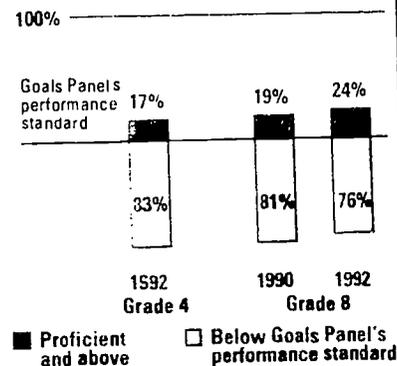
- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I
- Algebra II
- Calculus
- Biology
- Chemistry
- Physics

69% 83%
46% 45%
12% 13%
95+% 95+%
56% 58%
28% 28%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

Source: National Center for Education Statistics, 1993

Data not available

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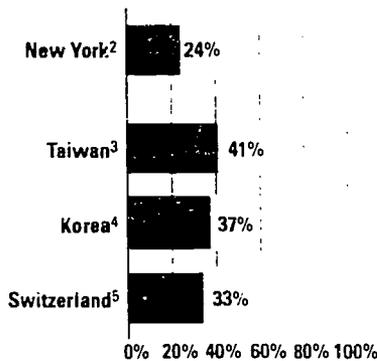
NEW YORK

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 24%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
- work in small groups at least once a week	31%	37% ns
- work with measuring instruments or geometric solids at least once a week	—	7%
b) whose mathematics teachers heavily emphasize:		
- Algebra and functions	49%	48% ns
- developing reasoning ability to solve unique problems	41%	40% ns
- communicating mathematics ideas	37%	38% ns
c) who have computers available in their mathematics classroom	10%	21%
d) who use calculators in mathematics class at least once a week	16%	25% ns
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992): ¹³		
- Grade 4	—	73%
- Grade 8	74%	66% ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 92%
 - Chemistry — 93%
 - Physics — 84%
 - Earth Science — 77%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)¹⁵ ● — 92%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 75%
 - Grade 8 64% 64%

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on page 234-235

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

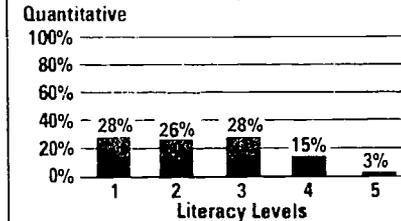
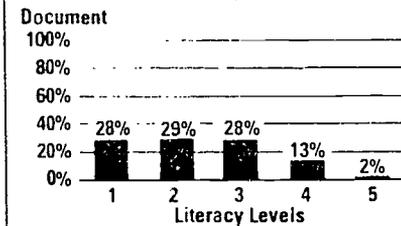
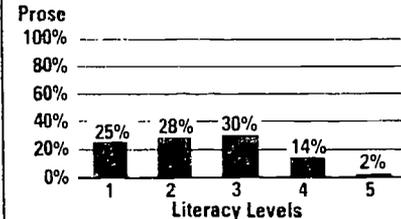
Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	---	2%
	Level 4	---	14%
	Level 3	-	30%
	Level 2	---	28%
	Level 1 (lowest)	---	25%
Document:	Level 5 (highest)	---	2%
	Level 4	---	13%
	Level 3	---	28%
	Level 2	---	29%
	Level 1 (lowest)	---	28%
Quantitative:	Level 5 (highest)	---	3%
	Level 4	---	15%
	Level 3	---	28%
	Level 2	---	26%
	Level 1 (lowest)	---	28%

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote: 67% (Baseline), 69% (1993)
 - b) voting: 60% (Baseline), 63% (1993)

Goal 5: Adult Literacy

Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

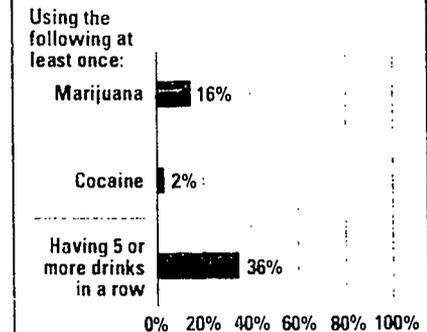
Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana: 16%
 - cocaine: 2%
 - b) Having five or more drinks in a row during the past 30 days: 36%

Goal 6: Student Drug Use

Percentage of all high school students who reported doing the following during the past 30 days (1991)



Source: Centers for Disease Control, 1992

• Data not available
¹⁵ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237.

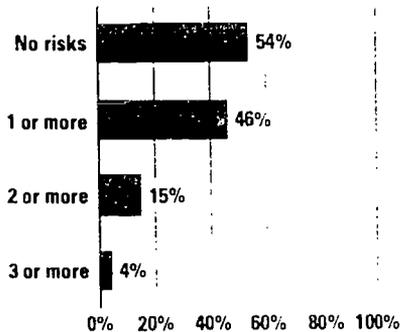
NORTH CAROLINA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

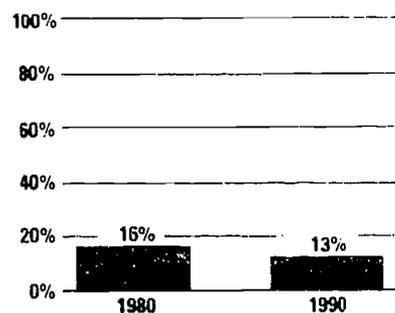


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credentials¹

Source: Bureau of the Census 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	920	920
b) between 3.3 and 5.5 pounds	65	64
c) below 3.3 pounds	16	16
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	757	757
b) second trimester of pregnancy	187	187
c) third trimester of pregnancy or never	56	56
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	54 ⁿ
b) 1 or more risks	—	46 ^o
c) 2 or more risks	—	15 ^o
d) 3 or more risks	—	4 ^o

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	39	40
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	85%	—
b) 23- to 24-year-olds	85%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	13 ^o	—
--	-----------------	---

- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

NORTH CAROLINA

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4
 - Grade 8

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4

Baseline **1993 Goals Report**

	—	13%
	11%	15%
	—	22%

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher
 - Foreign languages
Number receiving grades of 3 or higher
 - Fine arts
Number receiving grades of 3 or higher

	74	111
	46	64
	3	3
	2	2
	1	1
	1	1

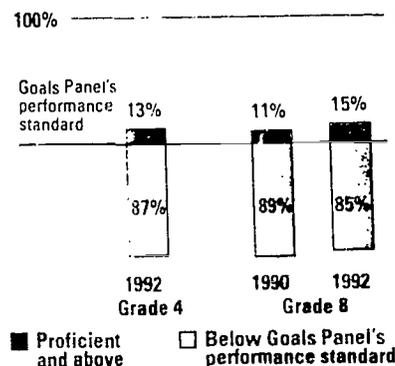
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1988, 1991):¹⁰
 - Algebra I
 - Algebra II
 - Calculus
 - Biology
 - Chemistry
 - Physics

	67%	88%
	51%	54%
	8%	8%
	95+%	95+%
	47%	53%
	15%	15%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B

Source: National Center for Education Statistics, 1993

Data not available.

Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236

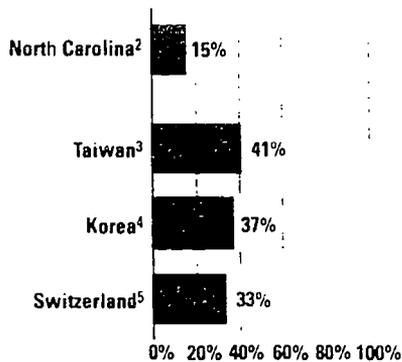
Interpret with caution. See technical note on page 237.

NORTH CAROLINA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 15%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week 45% 50%^{ns}
- work with measuring instruments or geometric solids at least once a week — 5%

b) whose mathematics teachers heavily emphasize:

- Algebra and functions 44% 44%
- developing reasoning ability to solve unique problems 46% 48%^{ns}
- communicating mathematics ideas 44% 42%^{ns}

c) who have computers available in their mathematics classroom

21% 13%^{ns}

d) who use calculators in mathematics class at least once a week

30% 42%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³

- Grade 4 — 80%^c
- Grade 8 71%^c 67%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●

- Biology — 97%
- Chemistry — 100%
- Physics — 92%
- Earth Science — 92%

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— 93%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶

- Grade 4 — 73%^c
- Grade 8 65% 64%^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 237
 Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

Measure	1988	1992
a) registered to vote	65%	70%
b) voting	54%	61%

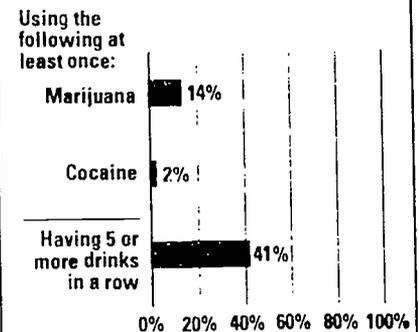
Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990):¹⁹

Measure	Baseline	1993
a) Using the following at least once during the past 30 days:		
- marijuana	14%	—
- cocaine	2%	—
b) Having five or more drinks in a row during the past 30 days	41%	—

Goal 6: Student Drug Use
Percentage of all high school students who reported doing the following during the past 30 days (1990)



Source: Centers for Disease Control, 1991

Data not available
 Interpret with caution. Change was not statistically significant

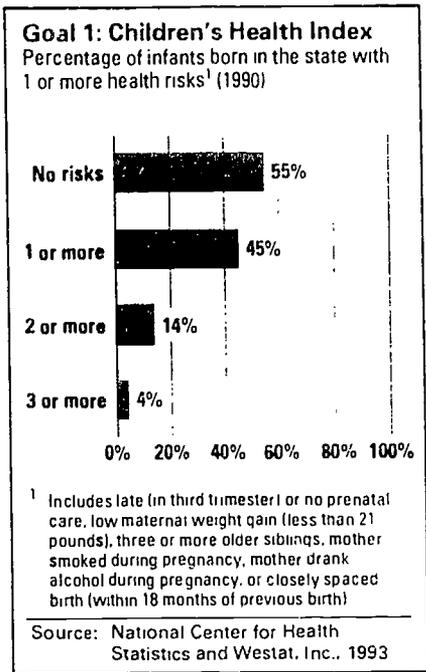
▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

NORTH DAKOTA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	952	945
b) between 3.3 and 5.5 pounds	40	45
c) below 3.3 pounds	8	10
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	819	821
b) second trimester of pregnancy	152	148
c) third trimester of pregnancy or never	28	31
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	55%
b) 1 or more risks	—	45%
c) 2 or more risks	—	14%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	39
1992	40

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

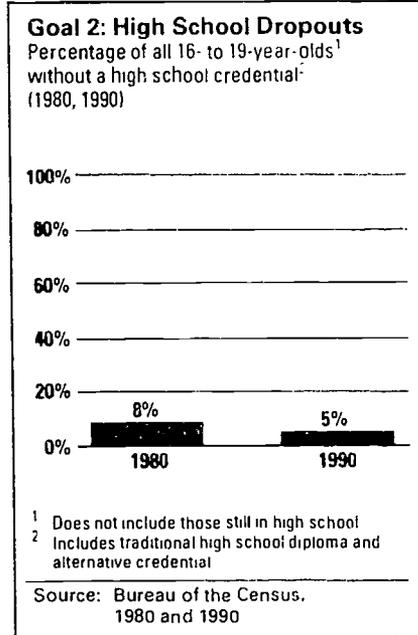
- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	95%	—
b) 23- to 24-year-olds	94%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	5%	—
------	----	---



— Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution. See technical note on page 234 Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992).⁷ ■

- Grade 4
- Grade 8

— 23%
34% 36%^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992).⁸ ■

- Grade 4

— 31%

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history
Number receiving grades of 3 or higher
- Foreign languages
Number receiving grades of 3 or higher
- Fine arts
Number receiving grades of 3 or higher

17 17
13 13
<1 <1
<1 <1
<1 <1

Additional Important Information: Participation in Challenging Courses

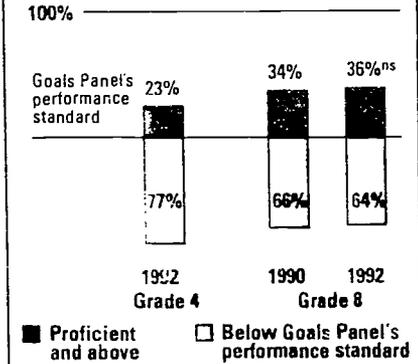
- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I
- Algebra II
- Calculus
- Biology
- Chemistry
- Physics

95% 95+ %
64% 76%
3% 6%
95+ % 95+ %
54% 67%
24% 28%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels or, the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236

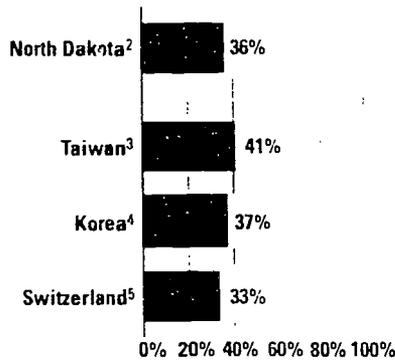
● Interpret with caution. See technical note on page 237

NORTH DAKOTA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 36%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 38% (1990) / 39% (1992) ns
 - work with measuring instruments or geometric solids at least once a week: — / 10%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 56% (1990) / 54% (1992) ns
 - developing reasoning ability to solve unique problems: 33% (1990) / 48% (1992) ns
 - communicating mathematics ideas: 25% (1990) / 33% (1992) ns
 - c) who have computers available in their mathematics classroom: 20% (1990) / 17% (1992) ns
 - d) who use calculators in mathematics class at least once a week: 51% (1990) / 68% (1992) c
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — (1990) / 57% (1992) c
 - Grade 8: 43% (1990) / 38% (1992) ns

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology: —
 - Chemistry: —
 - Physics: —
 - Earth Science: —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●
 -

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — (1990) / 71% (1992) c
 - Grade 8: 58% (1990) / 58% (1992) c

--- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ● Interpret with caution. See technical note on page 236.
 ■ Interpret with caution. See technical note on pp. 234-235. ■ Interpret with caution. See technical note on page 23

Measuring State Progress Toward the Goals and Objectives



Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

95%	92% ^{ns}
74%	72% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

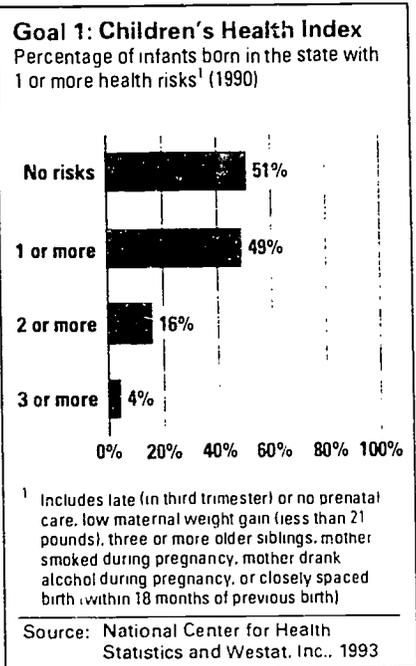
--- Data not available
 ns Interpret with caution. Change was not statistically significant.

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● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	931	929
b) between 3.3 and 5.5 pounds	57	57
c) below 3.3 pounds	12	14
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	816	815
b) second trimester of pregnancy	146	144
c) third trimester of pregnancy or never	38	41
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	51%
b) 1 or more risks	—	49%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	26	29
--	----	----

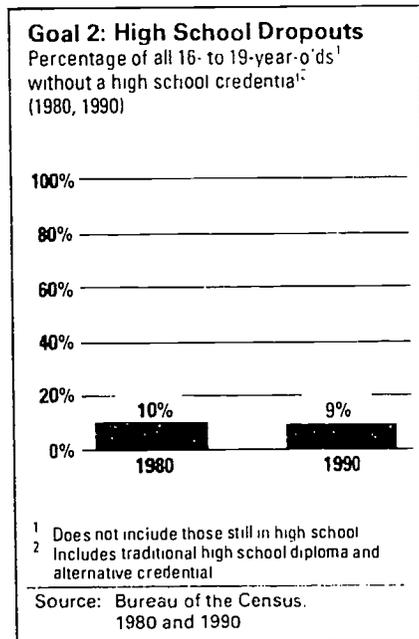
Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	87%	—
b) 23- to 24-year-olds	87%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	9%	—
--	----	---



— Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

OHIO

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	17%
- Grade 8	19%	22% ^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	24%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	46 30	55 37
- Foreign languages Number receiving grades of 3 or higher	3 2	4 2
- Fine arts Number receiving grades of 3 or higher	1 1	1 1

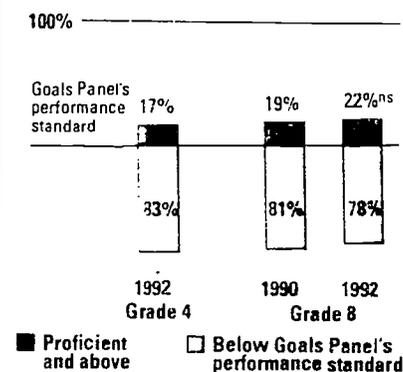
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	80%	86%
- Algebra II	47%	50%
- Calculus	8%	10%
- Biology	95+%	93%
- Chemistry	49%	53%
- Physics	20%	22%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

• Data not available

^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235

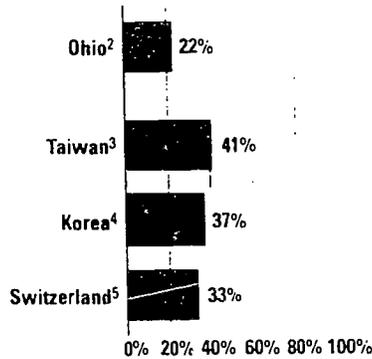
● Interpret with caution. See technical note on page 236

● Interpret with caution. See technical note on page 237

OHIO

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics
 Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 22%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
- work in small groups at least once a week	37%	39% ns
- work with measuring instruments or geometric solids at least once a week	—	5%
b) whose mathematics teachers heavily emphasize:		
- Algebra and functions	50%	38% ns
- developing reasoning ability to solve unique problems	42%	39% ns
- communicating mathematics ideas	36%	37% ns
c) who have computers available in their mathematics classroom	20%	18% ns
d) who use calculators in mathematics class at least once a week	44%	49% ns
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992): ¹³		
- Grade 4	—	86%
- Grade 8	66%	80%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 96%
 - Chemistry — 98%
 - Physics — 97%
 - Earth Science — 95%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 90%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 74%
 - Grade 8 64% 61% ns

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 235
 Interpret with caution See technical note on page 236
 Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

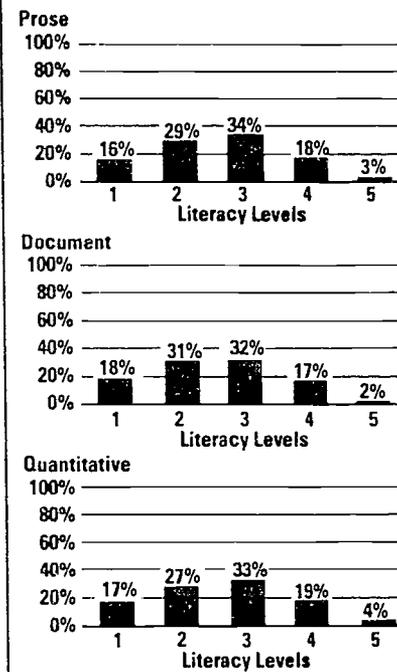
Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	3%
	Level 4	—	18%
	Level 3	—	34%
	Level 2	—	29%
	Level 1 (lowest)	—	16%
Document:	Level 5 (highest)	—	2%
	Level 4	—	17%
	Level 3	—	32%
	Level 2	—	31%
	Level 1 (lowest)	—	18%
Quantitative:	Level 5 (highest)	—	4%
	Level 4	—	19%
	Level 3	—	33%
	Level 2	—	27%
	Level 1 (lowest)	—	17%

Goal 5: Adult Literacy
Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

Direct Measures of the Goal: Citizenship

Measure	Baseline	1993 Goals Report
Percentage of all U.S. citizens (1988, 1992): ¹⁸		
a) registered to vote	70%	71% ns
b) voting	63%	65% ns

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

Measure	Baseline	1993 Goals Report
Percentage of all high school students who reported (1990, 1991): ¹⁹		
a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Data not available
Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
● Interpret with caution. See technical note on pp. 234-235

Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
Interpret with caution. See technical note on page 237.

OKLAHOMA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	935	934
b) between 3.3 and 5.5 pounds	55	56
c) below 3.3 pounds	10	10
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	736	712
b) second trimester of pregnancy	201	205
c) third trimester of pregnancy or never	63	83
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	37	39
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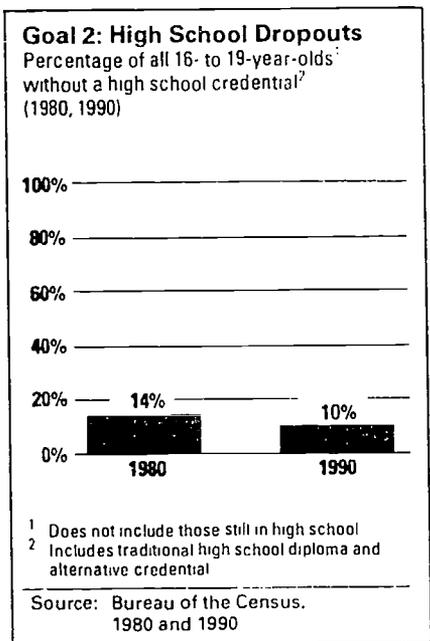
Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	85%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	10%	—
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- Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	14%
- Grade 8	17%	21%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	25%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	32 19	42 25
- Foreign languages Number receiving grades of 3 or higher	1 1	1 1
- Fine arts Number receiving grades of 3 or higher	<1 <1	1 <1

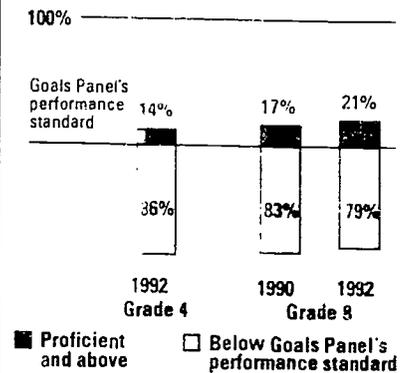
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	95+%	95+%
- Algebra II	60%	63%
- Calculus	8%	6%
- Biology	93%	95+%
- Chemistry	37%	39%
- Physics	10%	11%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

Source: National Center for Education Statistics, 1993

- Data not available
 * Interpret with caution. Change was not statistically significant.

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● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

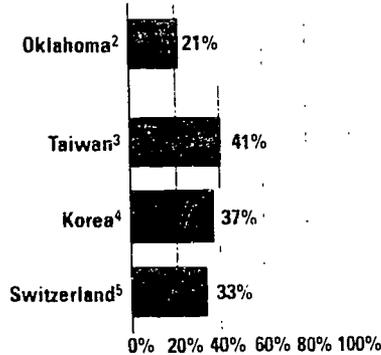
OKLAHOMA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33%^c — 21%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 44%^c 33%^{ns}
 - work with measuring instruments or geometric solids at least once a week: — 7%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 55%^c 49%^{ns}
 - developing reasoning ability to solve unique problems: 41% 39%^{ns}
 - communicating mathematics ideas: 40% 42%^{ns}
 - c) who have computers available in their mathematics classroom: 13% 20%^{ns}
 - d) who use calculators in mathematics class at least once a week: 27% 33%^{ns}
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — 78%^c
 - Grade 8: 59%^o 51%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology: — 97%
 - Chemistry: — 96%
 - Physics: — 90%
 - Earth Science: — 71%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵
 - 95%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — 75%^c
 - Grade 8: 63%^o 62%^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235.
 Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

66%	75%
57%	68%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
 - b) Having five or more drinks in a row during the past 30 days

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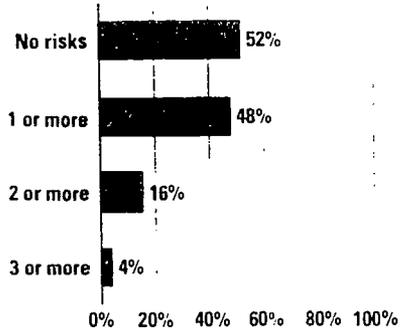
OREGON

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

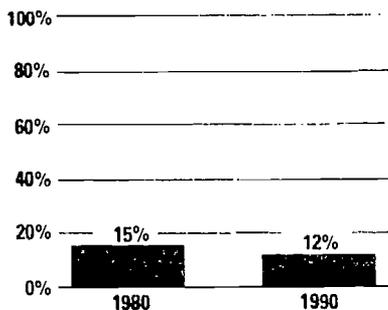
a) at or above 5.5 pounds	948	950
b) between 3.3 and 5.5 pounds	45	42
c) below 3.3 pounds	8	8
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	735	757
b) second trimester of pregnancy	198	189
c) third trimester of pregnancy or never	64	54
- Percentage of infants born in the state with one or more of the following health risks (1990):² ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	52%
b) 1 or more risks	—	48%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential¹ (1980, 1990)



¹ Does not include those still in high school;
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census 1980 and 1990

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)³

1991	23
1992	25

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	83%	—
b) 23- to 24-year-olds	84%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	12%	—
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--- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ○ Interpret with caution. See technical note on page 237.
 ◐ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

OREGON

Baseline 1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992).⁷ ■

- Grade 4	—	—
- Grade 8	—	—
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992).⁸ ■

- Grade 4	—	—
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993).⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	53 35	57 37
- Foreign languages Number receiving grades of 3 or higher	3 2	3 2
- Fine arts Number receiving grades of 3 or higher	<1 <1	<1 <1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1991).¹⁰

- Algebra I	80%	—
- Algebra II	46%	—
- Calculus	10%	—
- Biology	84%	—
- Chemistry	41%	—
- Physics	21%	—

Data not available

▲ Interpret with caution. Change was not statistically significant

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● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

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● Interpret with caution. See technical note on page 236

■ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41%	Korea = 37%	Switzerland = 33%	—	—
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Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week
 - work with measuring instruments or geometric solids at least once a week
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions
 - developing reasoning ability to solve unique problems
 - communicating mathematics ideas
 - c) who have computers available in their mathematics classroom
 - d) who use calculators in mathematics class at least once a week
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4
 - Grade 8

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

Additional Important Information: Student Attitudes Toward Mathematics

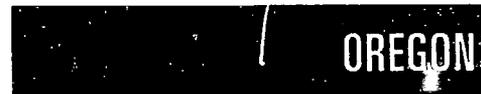
- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4
 - Grade 8

— Data not available
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 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

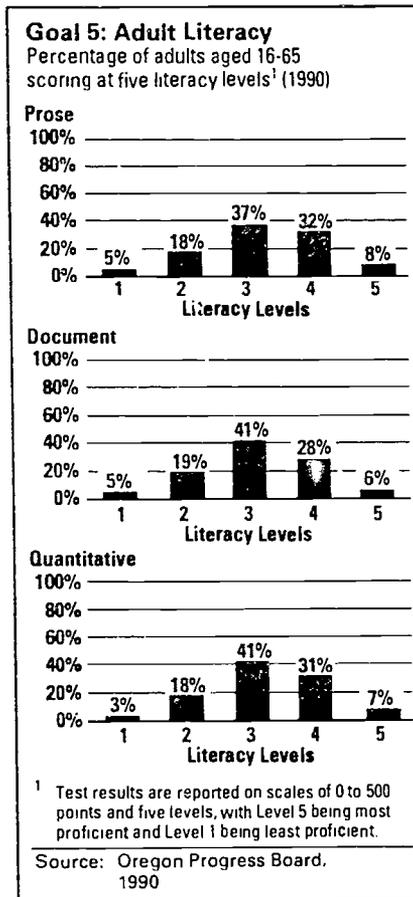
Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16-65 who scored at the following literacy levels (1990):¹⁷

Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	8%
	Level 4	—	32%
	Level 3	—	37%
	Level 2	—	18%
	Level 1 (lowest)	—	5%
Document:	Level 5 (highest)	—	6%
	Level 4	—	28%
	Level 3	—	41%
	Level 2	—	19%
	Level 1 (lowest)	—	5%
Quantitative:	Level 5 (highest)	—	7%
	Level 4	—	31%
	Level 3	—	41%
	Level 2	—	18%
	Level 1 (lowest)	—	3%

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 73% 78%
 - b) voting 65% 72%



Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana — —
 - cocaine — —
 - b) Having five or more drinks in a row during the past 30 days — —

Data not available
 ▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
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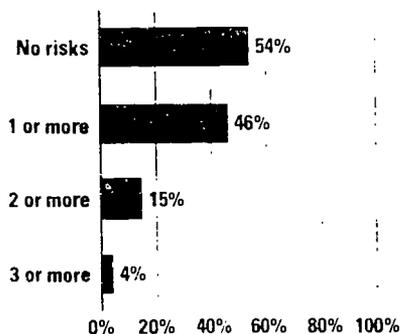
PENNSYLVANIA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

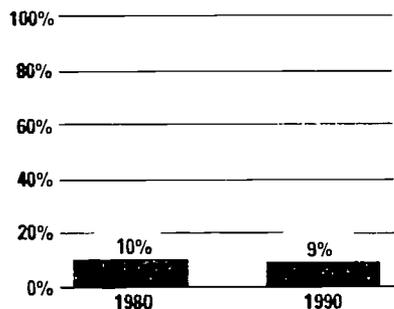


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	931	929
b) between 3.3 and 5.5 pounds	56	57
c) below 3.3 pounds	13	14
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	789	797
b) second trimester of pregnancy	153	150
c) third trimester of pregnancy or never	57	54
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	54%
b) 1 or more risks	—	46%
c) 2 or more risks	—	15%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	37	35
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	89%	—
b) 23- to 24-year-olds	88%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	9%	—
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— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

PENNSYLVANIA

Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 —
 - Grade 8 21%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 —
 - Grade 8 28%

Direct Measures of the Goal: Advanced Placement Participation and Performance

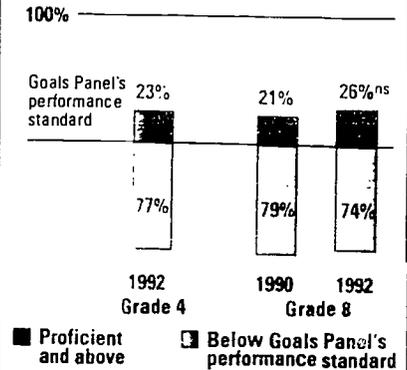
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 60 72
38 47
 - Foreign languages 4 5
Number receiving grades of 3 or higher 2 3
 - Fine arts 1 1
Number receiving grades of 3 or higher <1 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 88% 88%
 - Algebra II 57% 60%
 - Calculus 16% 19%
 - Biology 95+ % 92%
 - Chemistry 56% 59%
 - Physics 29% 31%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

• Data not available
^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp 234-235.

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237.

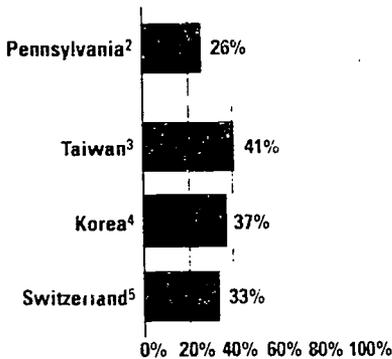
PENNSYLVANIA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 26%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992).¹²

a) whose teachers report that they do these activities in mathematics class:		
– work in small groups at least once a week	33%	41% ^{ns}
– work with measuring instruments or geometric solids at least once a week	—	6%
b) whose mathematics teachers heavily emphasize:		
– Algebra and functions	48%	48%
– developing reasoning ability to solve unique problems	48%	52% ^{ns}
– communicating mathematics ideas	43%	43%
c) who have computers available in their mathematics classroom	15%	14% ^{ns}
d) who use calculators in mathematics class at least once a week	28%	46%
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992). ¹³		
– Grade 4	—	71%
– Grade 8	74%	64% ^{ns}

Direct Measures of the Objectives: Teacher Certification

• Percentage of public high school science teachers who are certified to teach science (1991). ¹⁴ ●		
– Biology	—	91%
– Chemistry	—	91%
– Physics	—	89%
– Earth Science	—	92%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991). ¹⁵ ●	—	87%

Additional Important Information: Student Attitudes Toward Mathematics

• Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992). ¹⁶		
– Grade 4	—	78%
– Grade 8	61%	61%

— Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 234.
 ● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline **1993 Goals Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Measure	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	3%
	Level 4	—	16%
	Level 3	—	35%
	Level 2	—	28%
	Level 1 (lowest)	—	18%
Document:	Level 5 (highest)	—	2%
	Level 4	—	15%
	Level 3	—	32%
	Level 2	—	28%
	Level 1 (lowest)	—	22%
Quantitative:	Level 5 (highest)	—	4%
	Level 4	—	17%
	Level 3	—	33%
	Level 2	—	25%
	Level 1 (lowest)	—	21%

Direct Measures of the Goal: Citizenship

Measure	Baseline	1993 Goals Report
Percentage of all U.S. citizens (1988, 1992): ¹⁸		
a) registered to vote	63%	66%
b) voting	56%	61%

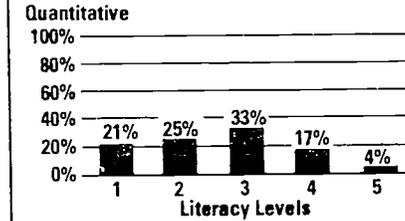
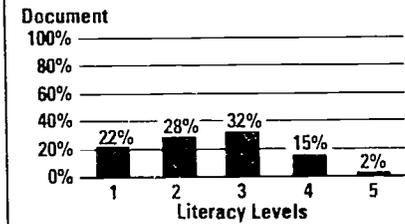
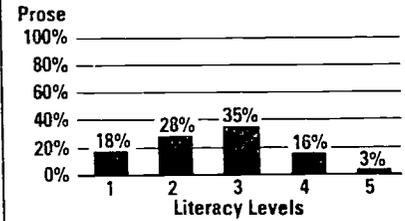
Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

Measure	Baseline	1993 Goals Report
Percentage of all high school students who reported (1990, 1991): ¹⁹		
a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Goal 5: Adult Literacy

Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

— Data not available
 - Interpret with caution Change was not statistically significant

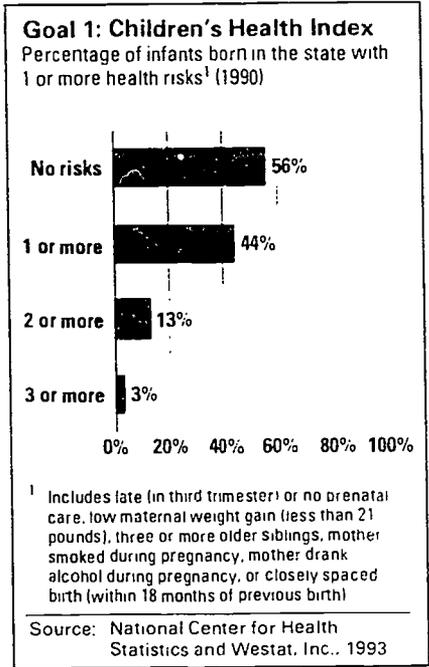
▲ Interpret with caution See technical note on page 234 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 236
 ● Interpret with caution See technical note on page 237

RHODE ISLAND

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

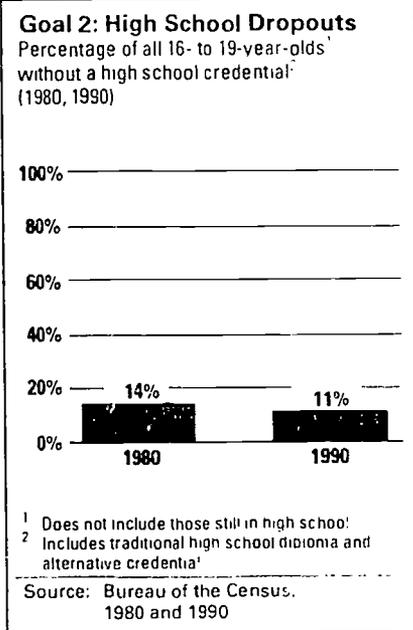
Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	940	938
b) between 3.3 and 5.5 pounds	50	51
c) below 3.3 pounds	10	11
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	840	868
b) second trimester of pregnancy	130	113
c) third trimester of pregnancy or never	30	20
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	56%
b) 1 or more risks	—	44%
c) 2 or more risks	—	13%
d) 3 or more risks	—	3%



Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	42	45
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	87%	—
b) 23- to 24-year-olds	85%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

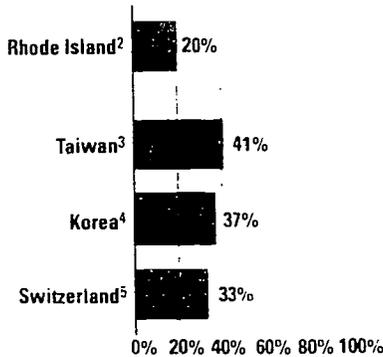
1990	11%	—
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RHODE ISLAND

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.

² Plus or minus 3 percentage points

³ Plus or minus 2 percentage points.

⁴ Plus or minus 2 percentage points

⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 20%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

- a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week 27% 38%
 - work with measuring instruments or geometric solids at least once a week — 9%

- b) whose mathematics teachers heavily emphasize:
 - Algebra and functions 43%_c 45%^{ns}
 - developing reasoning ability to solve unique problems 43%_c 53%
 - communicating mathematics ideas 37%_c 46%

- c) who have computers available in their mathematics classroom 16% 15%^{ns}

- d) who use calculators in mathematics class at least once a week 23%_c 47%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 64%_c
 - Grade 8 47%_c 73%_c

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology — —
 - Chemistry — —
 - Physics — —
 - Earth Science — —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ — —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 72%_c
 - Grade 8 57%_c 60%^{ns}

— Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234.
● Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

RHODE ISLAND

Baseline
1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

73%	78%
64%	73%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:

- marijuana
- cocaine

—	—
—	—

b) Having five or more drinks in a row during the past 30 days

—	—
---	---

□ Data not available

△ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

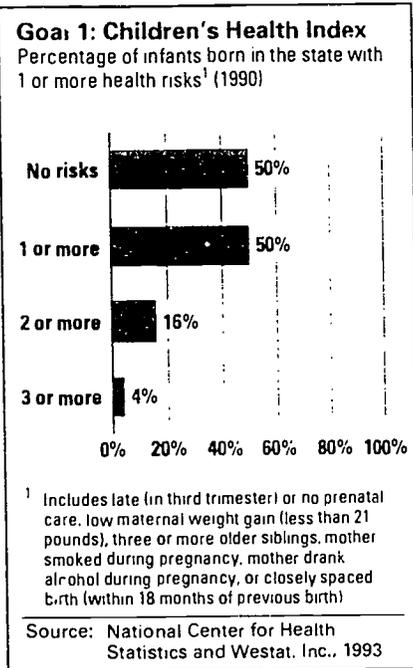
● Interpret with caution. See technical note on page 236.

● Interpret with caution. See technical note on page 237.

SOUTH CAROLINA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	910	913
b) between 3.3 and 5.5 pounds	73	70
c) below 3.3 pounds	17	17
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	647	688
b) second trimester of pregnancy	252	233
c) third trimester of pregnancy or never	101	79
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	50%
b) 1 or more risks	—	50%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	52
1992	55

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

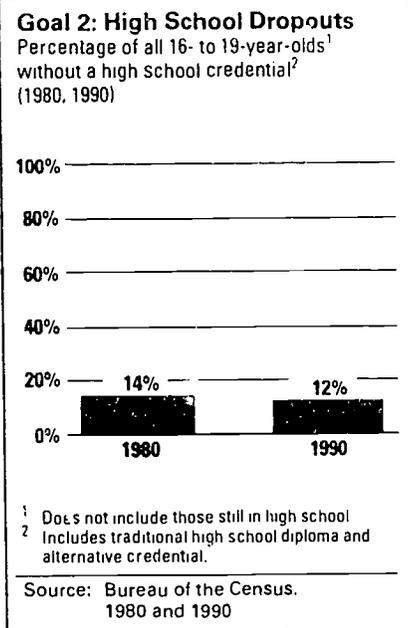
- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	84%	—
b) 23- to 24-year-olds	83%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	12%	—
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— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
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● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

SOUTH CAROLINA

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4
- Grade 8

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4

Baseline
1993
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Report

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history
Number receiving grades of 3 or higher
- Foreign languages
Number receiving grades of 3 or higher
- Fine arts
Number receiving grades of 3 or higher

115	135
62	71
3	3
1	1
4	5
3	4

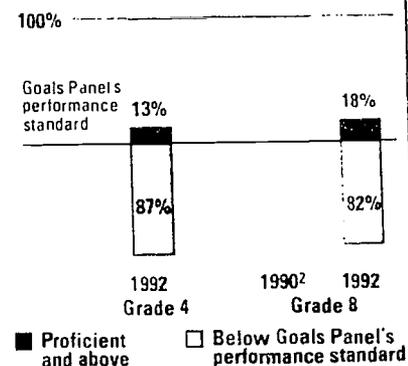
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	69%	76%
- Algebra II	55%	54%
- Calculus	7%	9%
- Biology	95+%	95+%
- Chemistry	51%	56%
- Physics	16%	17%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

² Data not available

Source: National Center for Education Statistics, 1993

- Data not available.

■ Interpret with caution. Change was not statistically significant.

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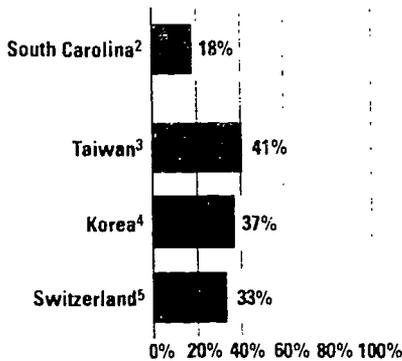
SOUTH CAROLINA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 18%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

- a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — 47%
 - work with measuring instruments or geometric solids at least once a week — 8%

- b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — 36%
 - developing reasoning ability to solve unique problems — 51%
 - communicating mathematics ideas — 54%

- c) who have computers available in their mathematics classroom — 24%

- d) who use calculators in mathematics class at least once a week — 47%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 89%
 - Grade 8 — 83%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 92%
 - Chemistry — 94%
 - Physics — 92%
 - Earth Science — 50%

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)¹⁵ ● — 92%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 76%
 - Grade 8 — 67%

-- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

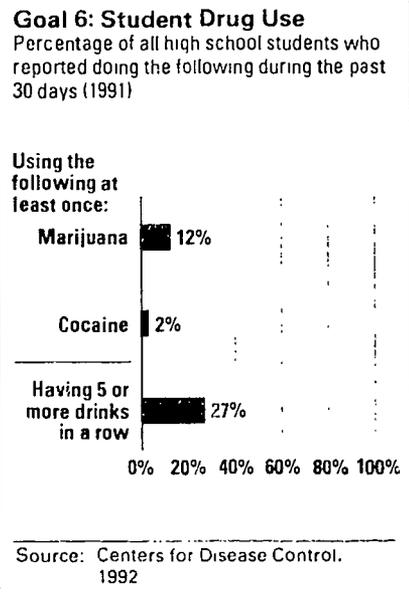
a) registered to vote	61%	68%
b) voting	50%	59%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	12%	—
- cocaine	2%	—
b) Having five or more drinks in a row during the past 30 days	27%	—



SOUTH DAKOTA

Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	953	949
b) between 3.3 and 5.5 pounds	38	42
c) below 3.3 pounds	9	9
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	766	787
b) second trimester of pregnancy	176	164
c) third trimester of pregnancy or never	58	49
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	62	67
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Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

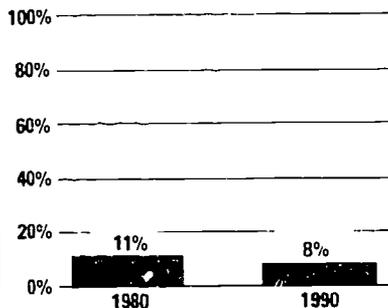
• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	91%	—
b) 23- to 24-year-olds	91%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	8%	—
--	----	---

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school.
² Includes traditional high school diploma and alternative credential¹

Source: Bureau of the Census. 1980 and 1990

--- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
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● Interpret with caution. See technical note on page 237.
 Interpret with caution. See technical note on page 237.
 Interpret with caution. See technical note on page 237.



Measuring State Progress Toward the Goals and Objectives

Baseline **1993
Goals
Report**

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — —

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week — —
- work with measuring instruments or geometric solids at least once a week — —

b) whose mathematics teachers heavily emphasize:

- Algebra and functions — —
- developing reasoning ability to solve unique problems — —
- communicating mathematics ideas — —

c) who have computers available in their mathematics classroom — —

d) who use calculators in mathematics class at least once a week — —

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
- Grade 4 — —
- Grade 8 — —

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
- Biology — 99%
- Chemistry — 98%
- Physics — 93%
- Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 99%

Additional important information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
- Grade 4 — —
- Grade 8 — —

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

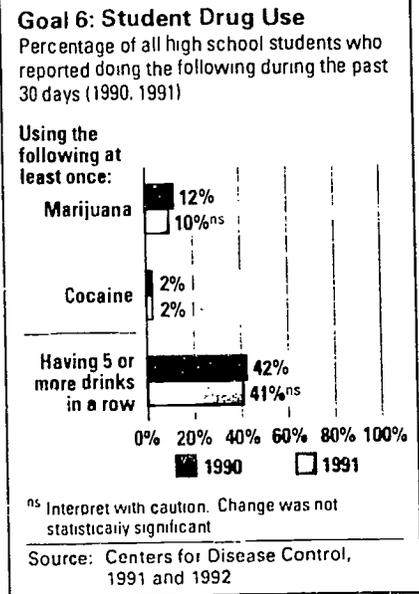
Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote: 80% (Baseline) vs 80% (1993)
 - b) voting: 72% (Baseline) vs 70%^{ns} (1993)

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana: 12% (1990) vs 10%^{ns} (1991)
 - cocaine: 2% (1990) vs 2% (1991)
 - b) Having five or more drinks in a row during the past 30 days: 42% (1990) vs 41%^{ns} (1991)



Data not available
^{ns} Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

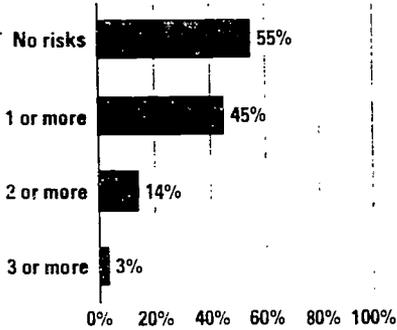
TENNESSEE

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

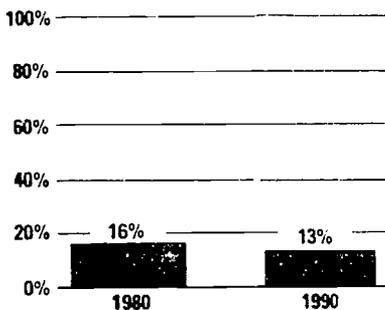


¹ includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	921	918
b) between 3.3 and 5.5 pounds	65	67
c) below 3.3 pounds	14	15
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	755	776
b) second trimester of pregnancy	193	176
c) third trimester of pregnancy or never	52	47
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲

a) no risks	—	55%
b) 1 or more risks	—	45%
c) 2 or more risks	—	14%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	37
1992	43

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	81%	—
b) 23- to 24-year-olds	81%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	13%	—
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— Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ■ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 10%
 - Grade 8 — 15%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — 20%

Direct Measures of the Goal: Advanced Placement Participation and Performance

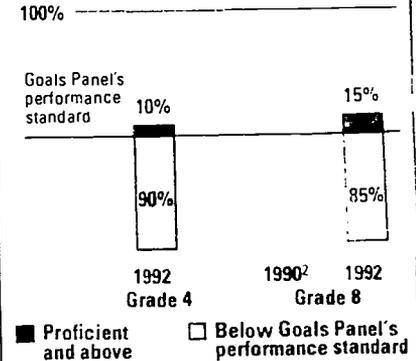
	Baseline	1993 Goals Report
Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993): ⁹		
English, mathematics, science, and history Number receiving grades of 3 or higher	60 37	68 44
Foreign languages Number receiving grades of 3 or higher	2 1	2 1
Fine arts Number receiving grades of 3 or higher	2 2	2 2

Additional Important Information: Participation in Challenging Courses

	Baseline	1993 Goals Report
Estimated percentage of public high school students taking the following courses (1989, 1991): ¹⁰		
Algebra I	79%	81%
Algebra II	54%	57%
Calculus	4%	5%
Biology	88%	95+%
Chemistry	42%	46%
Physics	11%	13%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B

² Data not available

Source: National Center for Education Statistics, 1993

Data not available
 ■ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

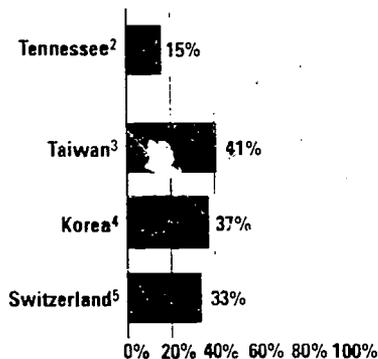
● Interpret with caution. See technical note on page 236
 ■ Interpret with caution. See technical note on page 237

TENNESSEE

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 15%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — 38%
 - work with measuring instruments or geometric solids at least once a week — 9%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — 42%
 - developing reasoning ability to solve unique problems — 45%
 - communicating mathematics ideas — 43%
 - c) who have computers available in their mathematics classroom — 18%
 - d) who use calculators in mathematics class at least once a week — 37%
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 76%
 - Grade 8 — 69%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — —
 - Chemistry — —
 - Physics — —
 - Earth Science — —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 72%
 - Grade 8 — 63%

ns Data not available
 Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

		Baseline	1993 Goals Report
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

	Baseline	1993 Goals Report
a) registered to vote	66%	65% ^{ns}
b) voting	52%	56% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

	Baseline	1993 Goals Report
a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Data not available

Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

■ Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235

▲ Interpret with caution. See technical note on page 235

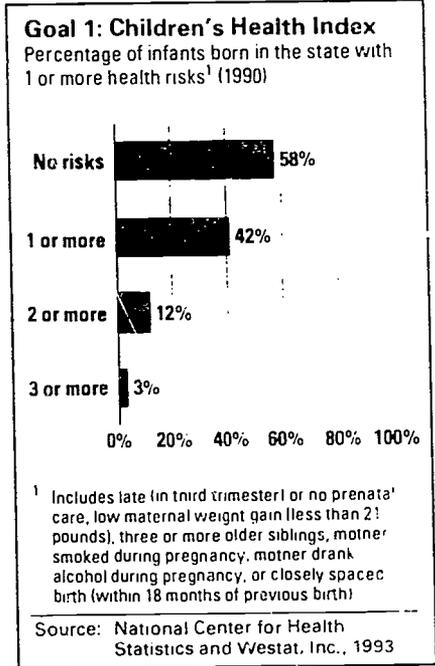
● Interpret with caution. See technical note on page 236

■ Interpret with caution. See technical note on page 237

TEXAS

Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	932	931
b) between 3.3 and 5.5 pounds	57	58
c) below 3.3 pounds	11	12
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	669	683
b) second trimester of pregnancy	216	216
c) third trimester of pregnancy or never	115	100
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	58%
b) 1 or more risks	—	42%
c) 2 or more risks	—	12%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	29	31
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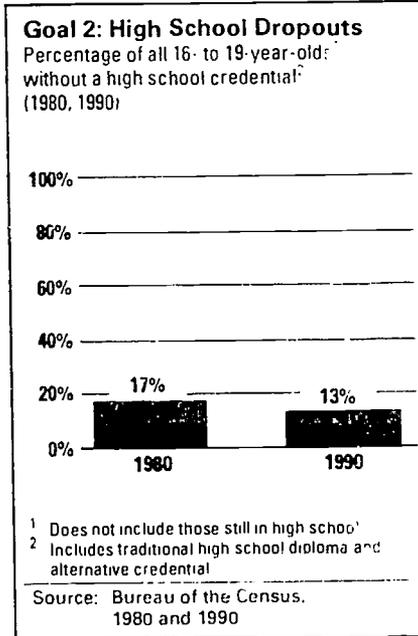
Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	80%	—
b) 23- to 24-year-olds	79%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	13%	—
--	-----	---



Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	16%
- Grade 8	16%	21%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	20%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	41 27	53 36
- Foreign languages Number receiving grades of 3 or higher	3 3	5 4
- Fine arts Number receiving grades of 3 or higher	<1 <1	1 1

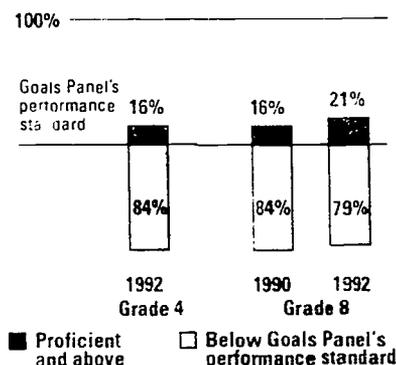
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	82%	87%
- Algebra II	54%	67%
- Calculus	5%	7%
- Biology	95+%	95+%
- Chemistry	40%	46%
- Physics	12%	15%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

Source: National Center for Education Statistics, 1993

— Data not available

■ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

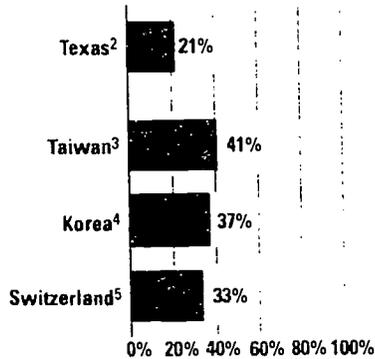
● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

TEXAS

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 21%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

- a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week
 - work with measuring instruments or geometric solids at least once a week

39% 55%
— 8%

- b) whose mathematics teachers heavily emphasize:
 - Algebra and functions
 - developing reasoning ability to solve unique problems
 - communicating mathematics ideas

52% 57%^{ns}
45% 61%
42% 49%^{ns}

- c) who have computers available in their mathematics classroom

13% 15%^{ns}

- d) who use calculators in mathematics class at least once a week

31% 64%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4
 - Grade 8

— 79%
77% 86%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology
 - Chemistry
 - Physics
 - Earth Science

— —
— —
— —
— —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4
 - Grade 8

— 76%
61% 58%^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992).¹⁸

a) registered to vote	71%	71%
b) voting	58%	61%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

• Data not available
• Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

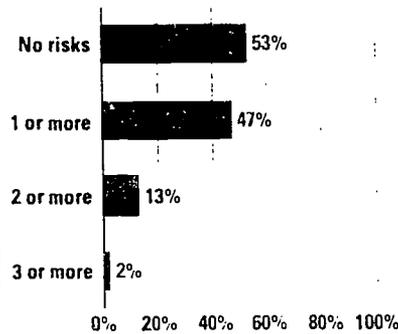
◐ Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
◑ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

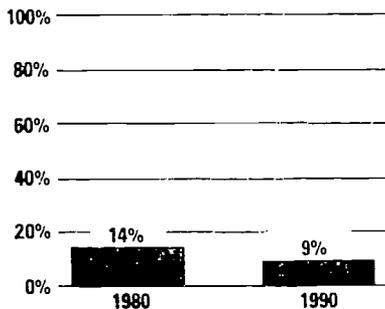


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990) ¹		
a) at or above 5.5 pounds	943	943
b) between 3.3 and 5.5 pounds	50	49
c) below 3.3 pounds	7	8
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during ²		
a) first trimester of pregnancy	826	842
b) second trimester of pregnancy	146	128
c) third trimester of pregnancy or never	28	30
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	53%
b) 1 or more risks	—	47%
c) 2 or more risks	—	13%
d) 3 or more risks	—	2%

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	33	36
--	----	----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990). ⁵		
a) 19- to 20-year-olds	87%	—
b) 23- to 24-year-olds	90%	—

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	9%	—
--	----	---

Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on page 234 235

● Interpret with caution See technical note on page 234
 Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	20%
- Grade 8	—	27%

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	26%
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	161 114	177 126
- Foreign languages Number receiving grades of 3 or higher	5 3	4 3
- Fine arts Number receiving grades of 3 or higher	10 9	14 12

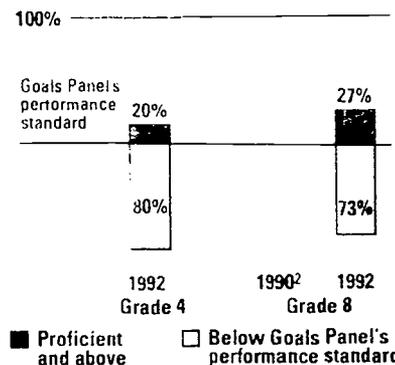
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	82%	95+%
- Algebra II	63%	66%
- Calculus	13%	15%
- Biology	80%	95+%
- Chemistry	37%	38%
- Physics	20%	16%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

² Data not available.

Source: National Center for Education Statistics, 1993

● Data not available.
▲ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

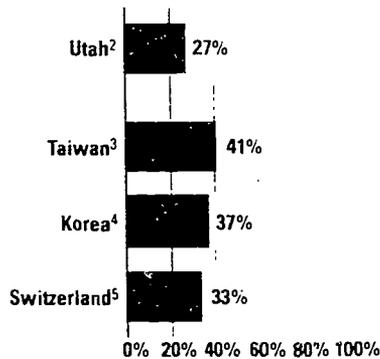


Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 27%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — 51%
 - work with measuring instruments or geometric solids at least once a week — 4%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — 59%
 - developing reasoning ability to solve unique problems — 49%
 - communicating mathematics ideas — 36%
 - c) who have computers available in their mathematics classroom — 12%
 - d) who use calculators in mathematics class at least once a week — 77%
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 74%
 - Grade 8 — 64%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 87%
 - Chemistry — 87%
 - Physics — 82%
 - Earth Science — 64%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 88%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 69%
 - Grade 8 — 54%

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993
Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

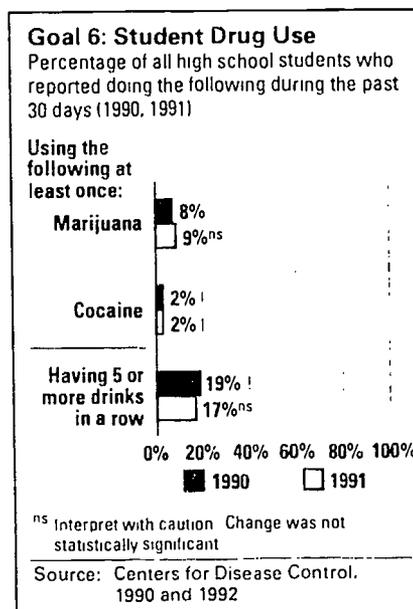
Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 78% 81%^{ns}
 - b) voting 72% 74%^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana 8% 9%^{ns}
 - cocaine 2% 2%
 - b) Having five or more drinks in a row during the past 30 days 19% 17%^{ns}



Data not available
¹⁵ Interpret with caution. Change was not statistically significant

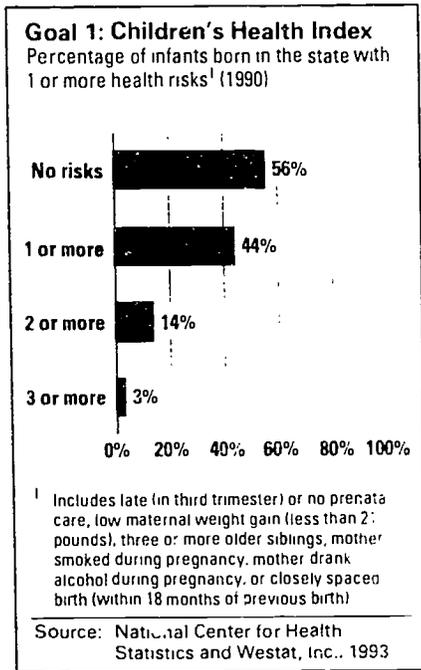
▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237

VERMONT

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

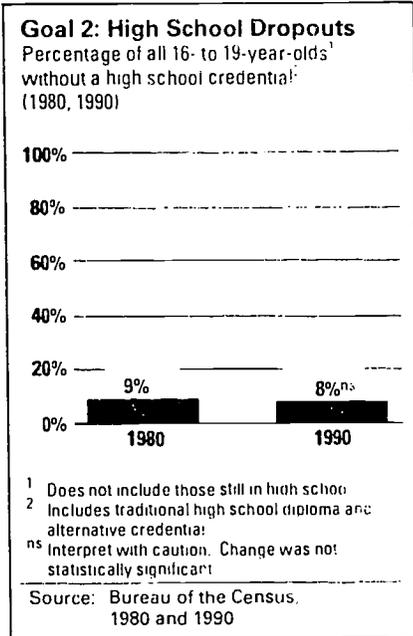
Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	950	947
b) between 3.3 and 5.5 pounds	43	46
c) below 3.3 pounds	7	7
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	806	824
b) second trimester of pregnancy	156	143
c) third trimester of pregnancy or never	37	33
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	56%
b) 1 or more risks	—	44%
c) 2 or more risks	—	14%
d) 3 or more risks	—	3%



Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	43
1992	40

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	90%	—
b) 23- to 24-year-olds	88%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	8%	—
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— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41%	Korea = 37%	Switzerland = 33%	—	—
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Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992).¹²
 - whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week
 - work with measuring instruments or geometric solids at least once a week
 - whose mathematics teachers heavily emphasize:
 - Algebra and functions
 - developing reasoning ability to solve unique problems
 - communicating mathematics ideas
 - who have computers available in their mathematics classroom
 - who use calculators in mathematics class at least once a week
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992).¹³
 - Grade 4
 - Grade 8

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991).¹⁴
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991).¹⁵ ● 97%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992).¹⁶
 - Grade 4
 - Grade 8

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234.
Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline	1993 Goals Report
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Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	79%	79%
b) voting	65%	71%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:	—	—
- marijuana	—	—
- cocaine	—	—
b) Having five or more drinks in a row during the past 30 days	—	—

Data not available

▲ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234.

● Definition has changed since 1992 Goals Report.

■ Interpret with caution. See technical note on pp. 234-235.

▲ Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

■ Interpret with caution. See technical note on page 237.

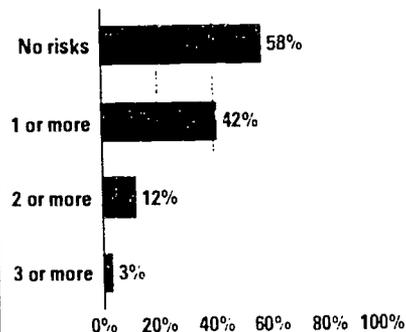
VIRGINIA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

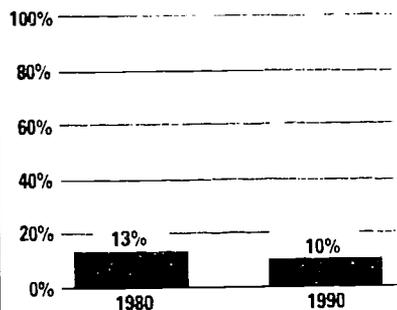


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential¹ (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990)¹

a) at or above 5.5 pounds	930	928
b) between 3.3 and 5.5 pounds	57	58
c) below 3.3 pounds	13	14
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during²

a) first trimester of pregnancy	807	800
b) second trimester of pregnancy	151	154
c) third trimester of pregnancy or never	42	46
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	58%
b) 1 or more risks	—	42%
c) 2 or more risks	—	12%
d) 3 or more risks	—	3%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	38
1992	40

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990)⁵

a) 19- to 20-year-olds	86%	—
b) 23- to 24-year-olds	86%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	10%	—
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- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236
 ○ Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline
1992 Goals Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 19%
 - Grade 8 21% 23%^{ns}
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — 28%

Direct Measures of the Goal: Advanced Placement Participation and Performance

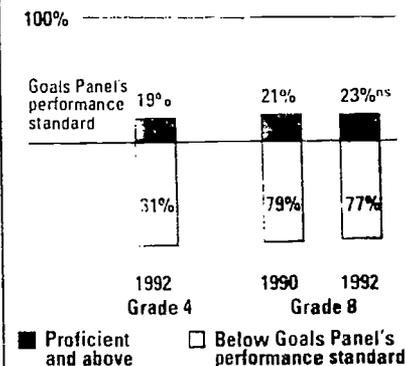
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 113 129
74 83
 - Foreign languages 12 13
8 9
 - Fine arts 3 4
2 3

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 81% 90%
 - Algebra II 55% 58%
 - Calculus 11% 14%
 - Biology 95+% 95+%
 - Chemistry 57% 59%
 - Physics 23% 25%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

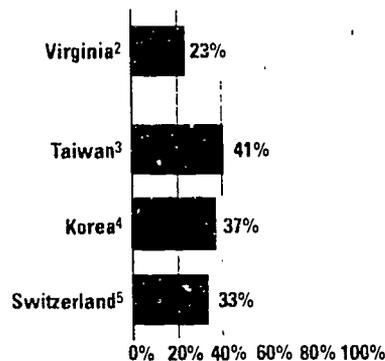
Source: National Center for Education Statistics, 1993

VIRGINIA

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Baseline 1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% --- 23%^c

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 48% 53%^{ns}
 - work with measuring instruments or geometric solids at least once a week: --- 3%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 52% 52%
 - developing reasoning ability to solve unique problems: 46% 48%^{ns}
 - communicating mathematics ideas: 46% 47%^{ns}
 - c) who have computers available in their mathematics classroom: 19% 23%^{ns}
 - d) who use calculators in mathematics class at least once a week: 36% 40%^{ns}
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: --- 78%^c
 - Grade 8: 74% 77%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology: --- ---
 - Chemistry: --- ---
 - Physics: --- ---
 - Earth Science: --- ---
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●
 - --- ---

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: --- 74%^c
 - Grade 8: 59% 61%^{ns}

--- Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ● Interpret with caution See technical note on page 236
 ■ Interpret with caution See technical note on pp. 234-235

Measuring State Progress Toward the Goals and Objectives



Baseline	1993 Goals Report
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Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸

a) registered to vote	69%	68% ^{ns}
b) voting	60%	64% ^{ns}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

Data not available
^{ns} Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
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● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237.

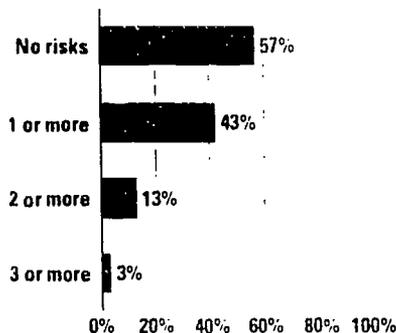
WASHINGTON

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)

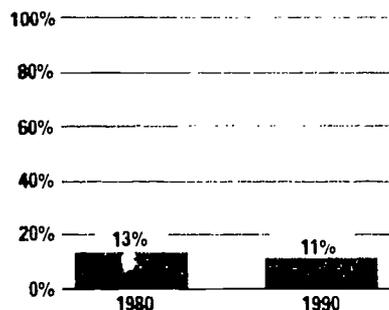


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 27 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds without a high school credential (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹
 - a) at or above 5.5 pounds 947 947
 - b) between 3.3 and 5.5 pounds 44 45
 - c) below 3.3 pounds 9 8
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²
 - a) first trimester of pregnancy 771 773
 - b) second trimester of pregnancy 179 179
 - c) third trimester of pregnancy or never 50 48
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)
 - a) no risks -- 57%
 - b) 1 or more risks -- 43%
 - c) 2 or more risks -- 13%
 - d) 3 or more risks -- 3%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴ 43 46

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵
 - a) 19- to 20-year-olds 85% --
 - b) 23- to 24-year-olds 87% --

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶ 11% --

-- Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
● Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	---	---
Grade 8	---	---

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

Grade 4	---	---
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Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	49 32	52 35
Foreign languages Number receiving grades of 3 or higher	3 2	3 2
Fine arts Number receiving grades of 3 or higher	0 0	0 0

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	---	---
- Algebra II	---	---
- Calculus	---	---
- Biology	---	---
- Chemistry	---	---
Physics	---	---

■ Data not available
● Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.



Measuring State Progress Toward the Goals and Objectives

Baseline **1993
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Report**

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41%	Korea = 37%	Switzerland = 33%	---	---
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Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week
 - work with measuring instruments or geometric solids at least once a week
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions
 - developing reasoning ability to solve unique problems
 - communicating mathematics ideas
 - c) who have computers available in their mathematics classroom
 - d) who use calculators in mathematics class at least once a week
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4
 - Grade 8

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4
 - Grade 8

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on page 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993 Goals Report
Prose:	Level 5 (highest)	---	5%
	Level 4	---	23%
	Level 3	---	41%
	Level 2	---	21%
	Level 1 (lowest)	---	10%
Document:	Level 5 (highest)	---	4%
	Level 4	---	22%
	Level 3	---	38%
	Level 2	---	25%
	Level 1 (lowest)	---	11%
Quantitative:	Level 5 (highest)	---	6%
	Level 4	---	23%
	Level 3	---	40%
	Level 2	---	22%
	Level 1 (lowest)	---	10%

Direct Measures of the Goal: Citizenship

Measure	Baseline	1993 Goals Report
Percentage of all U.S. citizens (1988, 1992): ¹⁸		
a) registered to vote	71%	75% ^{ns}
b) voting	64%	69%

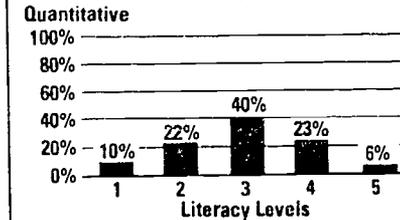
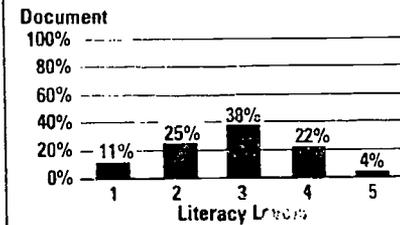
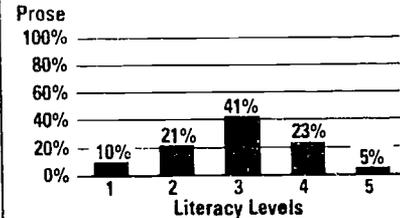
Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

Measure	Baseline	1993 Goals Report
Percentage of all high school students who reported (1990, 1991): ¹⁹		
a) Using the following at least once during the past 30 days:		
- marijuana	---	---
- cocaine	---	---
b) Having five or more drinks in a row during the past 30 days	---	---

Goal 5: Adult Literacy

Percentage of adults aged 16 and older scoring at five literacy levels¹ (1992)



¹ Test results are reported on scales of 0 to 500 points and five levels, with Level 5 being most proficient and Level 1 being least proficient.

Source: Educational Testing Service, 1993

¹⁷ Data not available
¹⁸ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

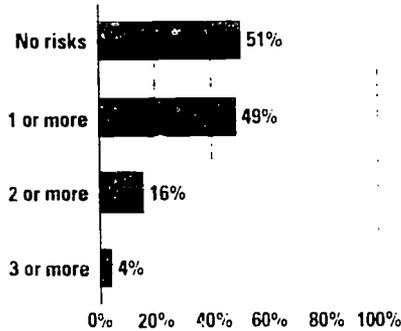
WEST VIRGINIA

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)



¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

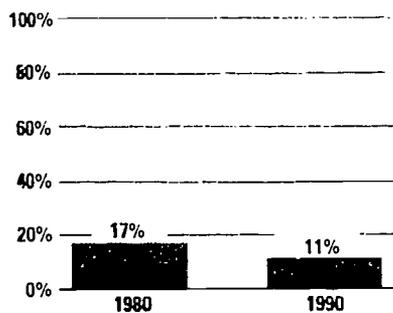
a) at or above 5.5 pounds	936	929
b) between 3.3 and 5.5 pounds	53	58
c) below 3.3 pounds	11	13
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	712	734
b) second trimester of pregnancy	229	209
c) third trimester of pregnancy or never	59	57
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	—	51%
b) 1 or more risks	—	49%
c) 2 or more risks	—	16%
d) 3 or more risks	—	4%

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census, 1980 and 1990

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	43
1992	55

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	85%	—
b) 23- to 24-year-olds	21%	—

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

1990	11%	—
------	-----	---

— Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — 13%
 - Grade 8 12% 13%^{ns}
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — 22%

Direct Measures of the Goal: Advanced Placement Participation and Performance

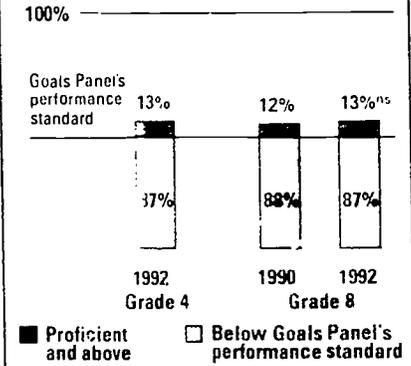
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher 42 52
19 25
 - Foreign languages
Number receiving grades of 3 or higher 1 1
<1 <1
 - Fine arts
Number receiving grades of 3 or higher 1 1
1 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I 73% 79%
 - Algebra II 42% 49%
 - Calculus 2% 7%
 - Biology 95+% 95+%
 - Chemistry 40% 48%
 - Physics 11% 13%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

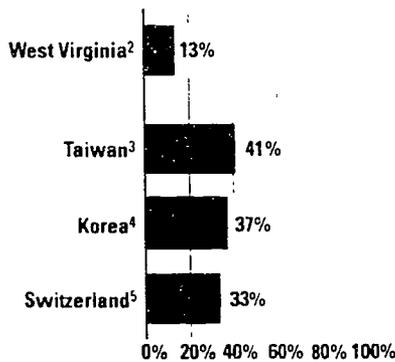
WEST VIRGINIA

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 13%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 39% 42% ^{ns}
 - work with measuring instruments or geometric solids at least once a week: — 3%
 - b) whose mathematics teachers heavily emphasize
 - Algebra and functions: 41% 46% ^{ns}
 - developing reasoning ability to solve unique problems: 44% 47% ^{ns}
 - communicating mathematics ideas: 38% 38%
 - c) who have computers available in their mathematics classroom: 26% 21% ^{ns}
 - d) who use calculators in mathematics class at least once a week: 24% 43%
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — 85% ^{ns}
 - Grade 8: 72% 63% ^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology: — 94%
 - Chemistry: — 90%
 - Physics: — 88%
 - Earth Science: — 97%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ — 95%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — 77% ^{ns}
 - Grade 8: 60% 63% ^{ns}

— Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 235
 ◆ Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

WEST VIRGINIA

Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Category	Level	Baseline	1993
Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

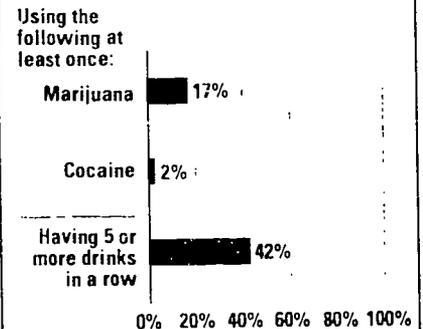
- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 65% 65%
 - b) voting 53% 58%¹⁹

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana 17%
 - cocaine 2%
 - b) Having five or more drinks in a row during the past 30 days 42%

Goal 6: Student Drug Use
Percentage of all high school students who reported doing the following during the past 30 days (1990)



Source: Centers for Disease Control, 1991

Data not available
Interpret with caution. Change was not statistically significant

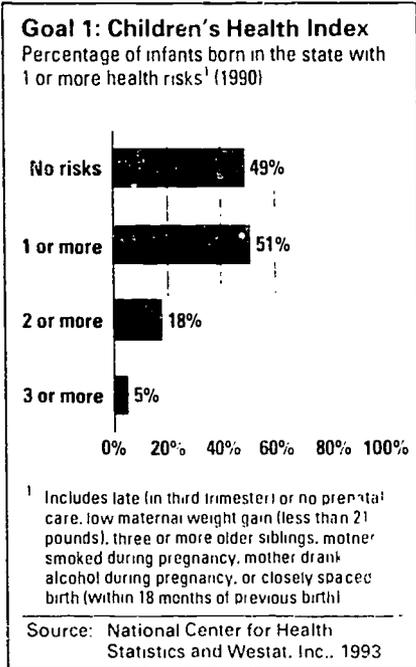
▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236
● Interpret with caution. See technical note on page 237



Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report



Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

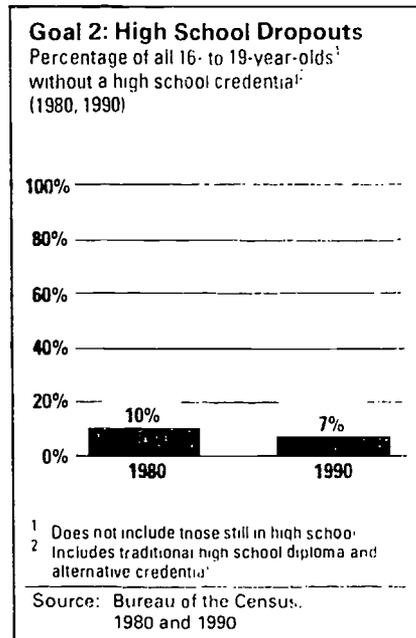
Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹

a) at or above 5.5 pounds	946	941
b) between 3.3 and 5.5 pounds	45	48
c) below 3.3 pounds	10	11
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	831	817
b) second trimester of pregnancy	136	144
c) third trimester of pregnancy or never	33	38
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	-	49%
b) 1 or more risks	-	51%
c) 2 or more risks	-	18%
d) 3 or more risks	-	5%



Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	49
1992	52

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵

a) 19- to 20-year-olds	90%	-
b) 23- to 24-year-olds	90%	-

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶

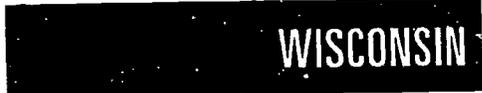
1990	7%	-
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- Data not available
ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 —
 - Grade 8 29%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 —
 - Grade 8 29%

Direct Measures of the Goal: Advanced Placement Participation and Performance

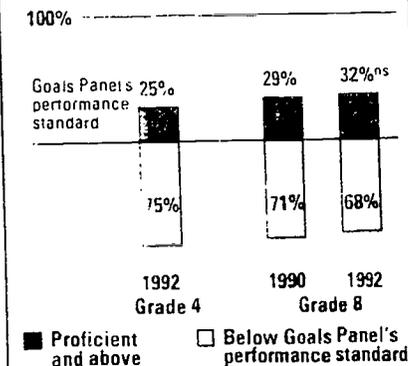
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history Number receiving grades of 3 or higher 32 52
 - Foreign languages Number receiving grades of 3 or higher 2 3
 - Fine arts Number receiving grades of 3 or higher 1 2
 - Fine arts Number receiving grades of 3 or higher <1 1
 - Fine arts Number receiving grades of 3 or higher <1 1

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1988, 1991):¹⁰
 - Algebra I 79% 95+%
 - Algebra II 36% 58%
 - Calculus 9% 21%
 - Biology 95+% 95+%
 - Chemistry 51% 59%
 - Physics 25% 27%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.
^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

■ Data not available
▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
■ Interpret with caution. See technical note on pp. 234-235

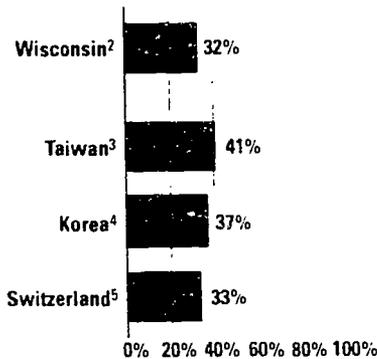
▲ Interpret with caution. See technical note on page 235
● Interpret with caution. See technical note on page 236
▲ Interpret with caution. See technical note on page 237.

WISCONSIN

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics
Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 3 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 32%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²
 - a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week: 43% → 53%^{ns}
 - work with measuring instruments or geometric solids at least once a week: — → 10%
 - b) whose mathematics teachers heavily emphasize:
 - Algebra and functions: 48% → 48%
 - developing reasoning ability to solve unique problems: 38% → 52%
 - communicating mathematics ideas: 24% → 41%
 - c) who have computers available in their mathematics classroom: 21% → 16%^{ns}
 - d) who use calculators in mathematics class at least once a week: 65% → 83%
- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4: — → 67%^c
 - Grade 8: 45% → 59%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology: —
 - Chemistry: —
 - Physics: —
 - Earth Science: —
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4: — → 75%^c
 - Grade 8: 64% → 60%^{ns}

— Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

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Measuring State Progress Toward the Goals and Objectives



Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote 86% 85%^{ns}
 - b) voting 71% 76%

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana --- ---
 - cocaine --- ---
 - b) Having five or more drinks in a row during the past 30 days --- ---

Data not available
^{ns} Interpret with caution. Change was not statistically significant.

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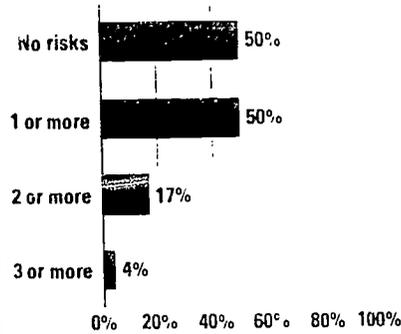
WYOMING

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Children's Health Index

Percentage of infants born in the state with 1 or more health risks¹ (1990)¹

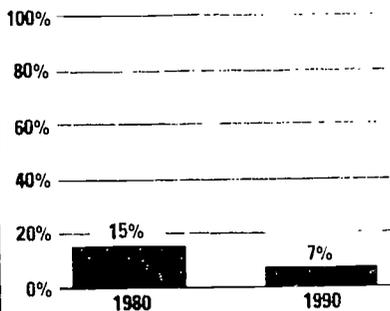


¹ Includes late (in third trimester) or no prenatal care, low maternal weight gain (less than 21 pounds), three or more older siblings, mother smoked during pregnancy, mother drank alcohol during pregnancy, or closely spaced birth (within 18 months of previous birth)

Source: National Center for Health Statistics and Westat, Inc., 1993

Goal 2: High School Dropouts

Percentage of all 16- to 19-year-olds¹ without a high school credential² (1980, 1990)



¹ Does not include those still in high school
² Includes traditional high school diploma and alternative credential

Source: Bureau of the Census 1980 and 1990

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990)¹

a) at or above 5.5 pounds	930	926
b) between 3.3 and 5.5 pounds	63	64
c) below 3.3 pounds	7	10
- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²

a) first trimester of pregnancy	784	806
b) second trimester of pregnancy	169	156
c) third trimester of pregnancy or never	46	38
- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)

a) no risks	--	50%
b) 1 or more risks	--	50%
c) 2 or more risks	--	17%
d) 3 or more risks	--	4%

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴

1991	54
1992	64

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990)⁵

a) 19- to 20-year-olds	90%	--
b) 23- to 24-year-olds	90%	--

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)^b

1990	7%	--
------	----	----

-- Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■

- Grade 4	—	19%
- Grade 8	24%	26% ^{ns}

- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■

- Grade 4	—	28%
-----------	---	-----

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹

- English, mathematics, science, and history Number receiving grades of 3 or higher	30 19	37 23
- Foreign languages Number receiving grades of 3 or higher	<1 <1	1 1
- Fine arts Number receiving grades of 3 or higher	<1 <1	<1 <1

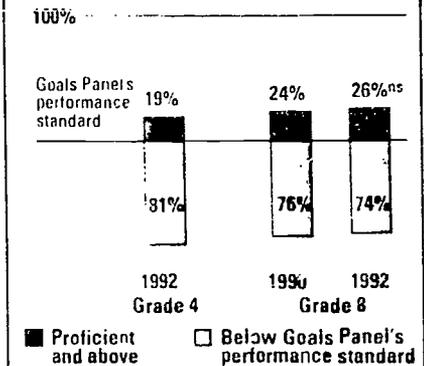
Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰

- Algebra I	73%	95+%
- Algebra II	29%	59%
- Calculus	8%	16%
- Biology	86%	82%
- Chemistry	36%	36%
- Physics	16%	18%

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

^{ns} Interpret with caution. Change was not statistically significant.

Source: National Center for Education Statistics, 1993

Data not available
¹⁰ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235

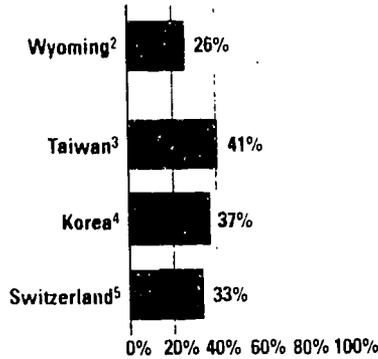
● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 237

WYOMING

Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 4: International Comparisons in Mathematics
Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 2 percentage points
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 26%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
— work in small groups at least once a week	70%	58%
— work with measuring instruments or geometric solids at least once a week	—	8%
b) whose mathematics teachers heavily emphasize:		
— Algebra and functions	48%	47% ns
— developing reasoning ability to solve unique problems	37%	40% ns
— communicating mathematics ideas	37%	32% ns
c) who have computers available in their mathematics classroom	25%	18% ns
d) who use calculators in mathematics class at least once a week	54%	73%
• Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992): ¹³		
— Grade 4	—	69%
— Grade 8	43%	51%

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴
 - Biology — 96%
 - Chemistry — 94%
 - Physics — 93%
 - Earth Science — 97%
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵
 - 92%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 74%
 - Grade 8 55% 58% ns

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 236
 Interpret with caution. See technical note on page 227

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

68%	69% ^{NS}
62%	65% ^{NS}

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

- a) Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
- b) Having five or more drinks in a row during the past 30 days

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---	---

Data not available
 Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
 Interpret with caution. See technical note on page 237.

Baseline **1993
Goals
Report**

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

- Number of births (per 1,000; 1988, 1990):¹
 - a) at or above 5.5 pounds --- --
 - b) between 3.3 and 5.5 pounds - --
 - c) below 3.3 pounds - --

- Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during:²
 - a) first trimester of pregnancy --- ---
 - b) second trimester of pregnancy - -
 - c) third trimester of pregnancy or never --- -

- Percentage of infants born in the state with one or more of the following health risks (1990):³ ▲
 - late (in third trimester) or no prenatal care
 - low maternal weight gain (less than 21 pounds)
 - three or more older siblings
 - mother smoked during pregnancy
 - mother drank alcohol during pregnancy
 - closely spaced birth (within 18 months of previous birth)
 - a) no risks - -
 - b) 1 or more risks - -
 - c) 2 or more risks - -
 - d) 3 or more risks - -

Direct Measures of the Objectives: Preschool Programs

- Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992)⁴ --- ---

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

- Percentage of all adults with a high school credential (1990):⁵
 - a) 19- to 20-year-olds --- ---
 - b) 23- to 24-year-olds - -

Direct Measures of the Objectives: School Dropouts

- Percentage of all 16- to 19-year-olds without a high school credential (1990)⁶ --- ---

--- Data not available
 ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp. 234-235

● Interpret with caution See technical note on page 236
 Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

	Baseline	1993 Goals Report															
Goal 4: Science and Mathematics																	
Direct Measures of the Goal: International Student Achievement Comparisons																	
<ul style="list-style-type: none"> Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹ <table border="0"> <tr> <td>Taiwan = 41%</td> <td>Korea = 37%</td> <td>Switzerland = 33%</td> <td>---</td> <td>---</td> </tr> </table> 	Taiwan = 41%	Korea = 37%	Switzerland = 33%	---	---												
Taiwan = 41%	Korea = 37%	Switzerland = 33%	---	---													
Direct Measures of the Objectives: Strengthening Science and Mathematics Education																	
<ul style="list-style-type: none"> Percentage of public school 8th graders (1990, 1992):¹² <ul style="list-style-type: none"> a) whose teachers report that they do these activities in mathematics class: <table border="0"> <tr> <td>- work in small groups at least once a week</td> <td>---</td> <td>---</td> </tr> <tr> <td>- work with measuring instruments or geometric solids at least once a week</td> <td>---</td> <td>---</td> </tr> </table> b) whose mathematics teachers heavily emphasize: <table border="0"> <tr> <td>- Algebra and functions</td> <td>---</td> <td>---</td> </tr> <tr> <td>- developing reasoning ability to solve unique problems</td> <td>---</td> <td>---</td> </tr> <tr> <td>- communicating mathematics ideas</td> <td>---</td> <td>---</td> </tr> </table> c) who have computers available in their mathematics classroom d) who use calculators in mathematics class at least once a week Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³ <ul style="list-style-type: none"> - Grade 4 - Grade 8 	- work in small groups at least once a week	---	---	- work with measuring instruments or geometric solids at least once a week	---	---	- Algebra and functions	---	---	- developing reasoning ability to solve unique problems	---	---	- communicating mathematics ideas	---	---		
- work in small groups at least once a week	---	---															
- work with measuring instruments or geometric solids at least once a week	---	---															
- Algebra and functions	---	---															
- developing reasoning ability to solve unique problems	---	---															
- communicating mathematics ideas	---	---															
Direct Measures of the Objectives: Teacher Certification																	
<ul style="list-style-type: none"> Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ● <ul style="list-style-type: none"> - Biology - Chemistry - Physics - Earth Science Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)¹⁵ ● 																	
Additional Important Information: Student Attitudes Toward Mathematics																	
<ul style="list-style-type: none"> Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶ <ul style="list-style-type: none"> - Grade 4 - Grade 8 																	

--- Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 234
Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 235
● Interpret with caution See technical note on page 236
● Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

AMERICAN SAMOA

Baseline 1993
Goals
Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - registered to vote
 - voting

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:

- marijuana
- cocaine

b) Having five or more drinks in a row during the past 30 days

Data not available

▲ Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236.

● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

	Baseline	1993 Goals Report
Goal 1: Readiness for School		
Direct Measures of the Goal: School Readiness		
No direct measure of children's early development and learning during the kindergarten year is available yet.		
Direct Measures of the Objectives: Children's Health and Nutrition		
• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	926	928
b) between 3.3 and 5.5 pounds	65	62
c) below 3.3 pounds	9	10
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	541	669
b) second trimester of pregnancy	292	238
c) third trimester of pregnancy or never	166	93
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—
Direct Measures of the Objectives: Preschool Programs		
• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	—	—
Goal 2: High School Completion		
Direct Measures of the Goal: High School Completion		
• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	—	—
b) 23- to 24-year-olds	—	—
Direct Measures of the Objectives: School Dropouts		
• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	—	—

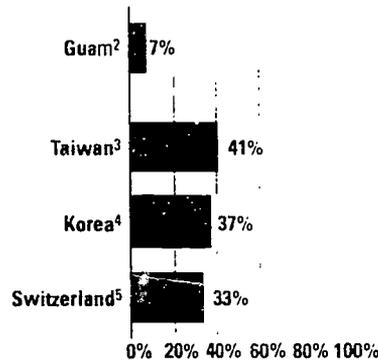
— Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics
 Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 1 percentage point
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service 1993

Baseline **1993 Goals Report**

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 7%_c

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week 33% 38%_c
 - work with measuring instruments or geometric solids at least once a week — 1%_s

b) whose mathematics teachers heavily emphasize:
 - Algebra and functions 37% 28%
 - developing reasoning ability to solve unique problems 15% 37%
 - communicating mathematics ideas 19% 43%

c) who have computers available in their mathematics classroom 13% 0%

d) who use calculators in mathematics class at least once a week 22% 26%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — 94%_c
 - Grade 8 100% 66%_{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — —
 - Chemistry — —
 - Physics — —
 - Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — 66%_c
 - Grade 8 59% 61%_{ns}

-- Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline	1993 Goals Report
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Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote
 - b) voting

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Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹

a) Using the following at least once during the past 30 days:

- marijuana
- cocaine

---	---
---	---

b) Having five or more drinks in a row during the past 30 days

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Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp 234-235.

● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

	Baseline	1993 Goals Report
Goal 1: Readiness for School		
Direct Measures of the Goal: School Readiness		
No direct measure of children's early development and learning during the kindergarten year is available yet.		
Direct Measures of the Objectives: Children's Health and Nutrition		
• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	—	—
b) between 3.3 and 5.5 pounds	—	—
c) below 3.3 pounds	—	—
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	—	—
b) second trimester of pregnancy	—	—
c) third trimester of pregnancy or never	—	—
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
– late (in third trimester) or no prenatal care		
– low maternal weight gain (less than 21 pounds)		
– three or more older siblings		
– mother smoked during pregnancy		
– mother drank alcohol during pregnancy		
– closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—
Direct Measures of the Objectives: Preschool Programs		
• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	—	—
Goal 2: High School Completion		
Direct Measures of the Goal: High School Completion		
• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	—	—
b) 23- to 24-year-olds	—	—
Direct Measures of the Objectives: School Dropouts		
• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	—	—

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

NORTHERN MARIANAS

Baseline 1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 — —
 - Grade 8 — —
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 — —

Direct Measures of the Goal: Advanced Placement Participation and Performance

- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher — —
 - Foreign languages
Number receiving grades of 3 or higher — —
 - Fine arts
Number receiving grades of 3 or higher — —

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I — —
 - Algebra II — —
 - Calculus — —
 - Biology — —
 - Chemistry — —
 - Physics — —

Data not available

▲ Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234.

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp. 234-235

▲ Interpret with caution. See technical note on page 235

● Interpret with caution. See technical note on page 236.

■ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Baseline
1993
Goals
Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — —

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:

- work in small groups at least once a week — —
- work with measuring instruments or geometric solids at least once a week — —

b) whose mathematics teachers heavily emphasize:

- Algebra and functions — —
- developing reasoning ability to solve unique problems — —
- communicating mathematics ideas — —

c) who have computers available in their mathematics classroom — —

d) who use calculators in mathematics class at least once a week — —

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — —
 - Grade 8 — —

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991).¹⁴ ●

- Biology — —
- Chemistry — —
- Physics — —
- Earth Science — —

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991).¹⁵ ●

— —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — —
 - Grade 8 — —

— Data not available
ns Interpret with caution Change was not statistically significant

▲ Interpret with caution See technical note on page 23; Definition has changed since 1992 Goals Report
■ Interpret with caution See technical note on pp. 234-235

● Interpret with caution See technical note on page 23; Interpret with caution. See technical note on page 23;

Measuring State Progress Toward the Goals and Objectives



Baseline **1993
Goals
Report**

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote — —
 - b) voting — —

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana — —
 - cocaine — —
 - b) Having five or more drinks in a row during the past 30 days — —

Data not available

ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 236. Interpret with caution. See technical note on page 237.



Measuring State Progress Toward the Goals and Objectives

	Baseline	1993 Goals Report
Goal 1: Readiness for School		
Direct Measures of the Goal: School Readiness		
No direct measure of children's early development and learning during the kindergarten year is available yet.		
Direct Measures of the Objectives: Children's Health and Nutrition		
• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	912	909
b) between 3.3 and 5.5 pounds	78	80
c) below 3.3 pounds	10	12
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	712	711
b) second trimester of pregnancy	239	241
c) third trimester of pregnancy or never	49	48
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	—	—
b) 1 or more risks	—	—
c) 2 or more risks	—	—
d) 3 or more risks	—	—
Direct Measures of the Objectives: Preschool Programs		
• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	—	—
Goal 2: High School Completion		
Direct Measures of the Goal: High School Completion		
• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	—	—
b) 23- to 24-year-olds	—	—
Direct Measures of the Objectives: School Dropouts		
• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	—	—

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ● Interpret with caution. See technical note on page 236.
 ● Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives

Baseline **1993 Goals Report**

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992):¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — —

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:
 - work in small groups at least once a week — —
 - work with measuring instruments or geometric solids at least once a week — —

b) whose mathematics teachers heavily emphasize:
 - Algebra and functions — —
 - developing reasoning ability to solve unique problems — —
 - communicating mathematics ideas — —

c) who have computers available in their mathematics classroom — —

d) who use calculators in mathematics class at least once a week — —

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4 — —
 - Grade 8 — —

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology — 99%
 - Chemistry — 99%
 - Physics — 94%
 - Earth Science — 95%

- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ● — 90%

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4 — —
 - Grade 8 — —

— Data not available
 ns Interpret with caution: Change was not statistically significant

▲ Interpret with caution See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution See technical note on pp 234-235

● Interpret with caution See technical note on page 236
 Interpret with caution See technical note on page 237

Measuring State Progress Toward the Goals and Objectives



Baseline 1993 Goals Report

Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Document:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—
Quantitative:	Level 5 (highest)	—	—
	Level 4	—	—
	Level 3	—	—
	Level 2	—	—
	Level 1 (lowest)	—	—

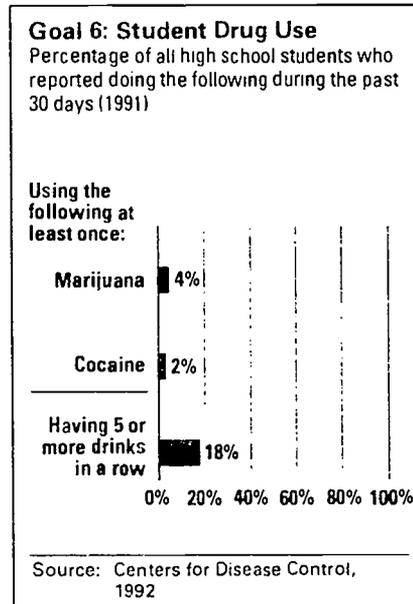
Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - a) registered to vote — —
 - b) voting — —

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1991):¹⁹
 - a) Using the following at least once during the past 30 days:
 - marijuana 4% —
 - cocaine 2% —
 - b) Having five or more drinks in a row during the past 30 days 18% —



Data not available

5 Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234

● Definition has changed since 1992 Goals Report

■ Interpret with caution. See technical note on pp 234-235

● Interpret with caution. See technical note on page 235.

● Interpret with caution. See technical note on page 236

● Interpret with caution. See technical note on page 237.



Measuring State Progress Toward the Goals and Objectives

Baseline 1993 Goals Report

Goal 1: Readiness for School

Direct Measures of the Goal: School Readiness

No direct measure of children's early development and learning during the kindergarten year is available yet.

Direct Measures of the Objectives: Children's Health and Nutrition

• Number of births (per 1,000; 1988, 1990): ¹		
a) at or above 5.5 pounds	917	907
b) between 3.3 and 5.5 pounds	65	71
c) below 3.3 pounds	18	21
• Number of mothers (per 1,000; 1988, 1990) receiving first prenatal care during: ²		
a) first trimester of pregnancy	465	469
b) second trimester of pregnancy	383	362
c) third trimester of pregnancy or never	152	169
• Percentage of infants born in the state with one or more of the following health risks (1990): ³ ▲		
- late (in third trimester) or no prenatal care		
- low maternal weight gain (less than 21 pounds)		
- three or more older siblings		
- mother smoked during pregnancy		
- mother drank alcohol during pregnancy		
- closely spaced birth (within 18 months of previous birth)		
a) no risks	---	---
b) 1 or more risks	---	---
c) 2 or more risks	---	---
d) 3 or more risks	---	---

Direct Measures of the Objectives: Preschool Programs

• Number of children with disabilities in preschool (per 1,000 3- to 5-year-olds; 1991, 1992) ⁴	---	---
--	-----	-----

Goal 2: High School Completion

Direct Measures of the Goal: High School Completion

• Percentage of all adults with a high school credential (1990): ⁵		
a) 19- to 20-year-olds	---	---
b) 23- to 24-year-olds	---	---

Direct Measures of the Objectives: School Dropouts

• Percentage of all 16- to 19-year-olds without a high school credential (1990) ⁶	---	---
--	-----	-----

--- Data not available
 ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
 ■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
 ○ Interpret with caution. See technical note on page 237.

Measuring State Progress Toward the Goals and Objectives



Baseline
1993
Goals
Report

Goal 3: Student Achievement and Citizenship

Direct Measures of the Goal: Student Achievement

- Percentage of all public school students who scored at the Proficient or Advanced level in mathematics, thus meeting the Goals Panel's performance standard (1990, 1992):⁷ ■
 - Grade 4 —
 - Grade 8 1%
- Percentage of all public school students who scored at the Proficient or Advanced level in reading, thus meeting the Goals Panel's performance standard (1992):⁸ ■
 - Grade 4 —

Direct Measures of the Goal: Advanced Placement Participation and Performance

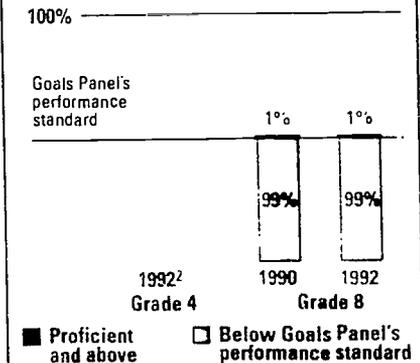
- Number of Advanced Placement examinations taken in the following subject areas (per 1,000 11th and 12th graders; 1991, 1993):⁹
 - English, mathematics, science, and history
Number receiving grades of 3 or higher —
 - Foreign languages
Number receiving grades of 3 or higher —
 - Fine arts
Number receiving grades of 3 or higher —

Additional Important Information: Participation in Challenging Courses

- Estimated percentage of public high school students taking the following courses (1989, 1991):¹⁰
 - Algebra I —
 - Algebra II —
 - Calculus —
 - Biology —
 - Chemistry —
 - Physics —

Goal 3: Mathematics Achievement

Percentage of all public school students who met the Goals Panel's performance standard¹ in mathematics (1990, 1992)



¹ The Goals Panel's performance standard is "mastery over challenging subject matter" as indicated by performance at the Proficient or Advanced levels on the National Assessment of Educational Progress (NAEP). These levels were established by the National Assessment Governing Board (NAGB) and reported by the National Center for Education Statistics (NCES) in recent NAEP publications. A more complete description of the performance standard can be found in Appendix B.

² Data not available.

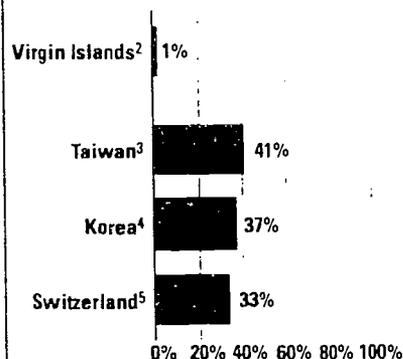
Source: National Center for Education Statistics, 1993

VIRGIN ISLANDS

Measuring State Progress Toward the Goals and Objectives

Goal 4: International Comparisons in Mathematics

Percentage of students¹ who scored at or above the Proficient achievement level in mathematics (1991 and 1992)



¹ Public school 8th grade students in 42 states participated in the National Assessment of Educational Progress (NAEP) in 1992. Public and private school 13-year-olds from Korea, Taiwan, and Switzerland participated in the International Assessment for Educational Progress (IAEP) in 1991.
² Plus or minus 1 percentage point
³ Plus or minus 2 percentage points
⁴ Plus or minus 2 percentage points
⁵ Plus or minus 2 percentage points

Source: Educational Testing Service, 1993

Baseline
1993 Goals Report

Goal 4: Science and Mathematics

Direct Measures of the Goal: International Student Achievement Comparisons

- Percentage of public school 8th graders who scored at the Proficient or Advanced level in mathematics compared with 3 highest achieving nations (1991 and 1992).¹¹

Taiwan = 41% Korea = 37% Switzerland = 33% — 1%

Direct Measures of the Objectives: Strengthening Science and Mathematics Education

- Percentage of public school 8th graders (1990, 1992):¹²

a) whose teachers report that they do these activities in mathematics class:		
- work in small groups at least once a week	53%	29%
- work with measuring instruments or geometric solids at least once a week	—	0%
b) whose mathematics teachers heavily emphasize:		
- Algebra and functions	47%	25%
- developing reasoning ability to solve unique problems	30%	58%
- communicating mathematics ideas	36%	60%
c) who have computers available in their mathematics classroom	1%	3%
d) who use calculators in mathematics class at least once a week	17%	39%

- Percentage of public school students enrolled in schools which had identified mathematics as a priority (1990, 1992):¹³
 - Grade 4
 - Grade 8

— —
52% 100%^{ns}

Direct Measures of the Objectives: Teacher Certification

- Percentage of public high school science teachers who are certified to teach science (1991):¹⁴ ●
 - Biology
 - Chemistry
 - Physics
 - Earth Science
- Percentage of public high school mathematics teachers who are certified to teach mathematics (1991):¹⁵ ●

— —
— —
— —
— —

Additional Important Information: Student Attitudes Toward Mathematics

- Percentage of public school students who reported positive attitudes toward mathematics (1990, 1992):¹⁶
 - Grade 4
 - Grade 8

— —
64% 69%

— Data not available
 ns Interpret with caution. Change was not statistically significant

▲ Interpret with caution. See technical note on page 234
 Definition has changed since 1992 Goals Report
 ■ Interpret with caution. See technical note on pp. 234-235

● Interpret with caution. See technical note on page 235
 ● Interpret with caution. See technical note on page 236
 ● Interpret with caution. See technical note on page 237

Measuring State Progress Toward the Goals and Objectives

VIRGIN ISLANDS

Baseline 1993
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Goal 5: Adult Literacy and Lifelong Learning

Direct Measures of the Goal: Adult Literacy

- Percentage of adults aged 16 and older who scored at the following literacy levels (1992):¹⁷

Prose:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Document:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---
Quantitative:	Level 5 (highest)	---	---
	Level 4	---	---
	Level 3	---	---
	Level 2	---	---
	Level 1 (lowest)	---	---

Direct Measures of the Goal: Citizenship

- Percentage of all U.S. citizens (1988, 1992):¹⁸
 - registered to vote
 - voting

--- ---

Goal 6: Safe, Disciplined, and Drug-free Schools

Direct Measures of the Goal: Drug-free Students and Schools

- Percentage of all high school students who reported (1990, 1991):¹⁹
 - Using the following at least once during the past 30 days:
 - marijuana
 - cocaine
 - Having five or more drinks in a row during the past 30 days

--- ---
--- ---
--- ---

--- Data not available
ns Interpret with caution. Change was not statistically significant.

▲ Interpret with caution. See technical note on page 234. Definition has changed since 1992 Goals Report.
■ Interpret with caution. See technical note on pp. 234-235.

● Interpret with caution. See technical note on page 235.
● Interpret with caution. See technical note on page 236.
● Interpret with caution. See technical note on page 237.



Appendices

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APPENDIX A

SOURCES

- ¹ U.S. Department of Health and Human Services, *Vital Statistics of the United States, 1988, Vol. 1, Natality*, DHHS Pub. No. (PHS) 90-100 (Washington, D.C.: National Center for Health Statistics, 1990), calculations by the National Education Goals Panel.
- U.S. Department of Health and Human Services, *Vital Statistics of the United States, 1990, Vol. 1, Natality* (Washington, D.C.: National Center for Health Statistics, in press), calculations by the National Education Goals Panel.
- ² *Ibid.*
- ³ Nicholas Zill and Christine Winquist Nord of Westat, Inc. developed the concept of the Children's Health Index. Stephanie Ventura and Sally Clarke of the National Center for Health Statistics provided the special tabulations of the 1990 birth certificate data needed to produce the index.
- ⁴ U.S. Department of Education, *Fourteenth Annual Report to Congress on the Implementation of The Individuals with Disabilities Education Act* (Washington, D.C.: Office of Special Education and Rehabilitative Services, 1992), calculations by the National Education Goals Panel.
- U.S. Department of Education, Office of Special Education Programs, Data Analysis System, unpublished tabulations prepared March 1993, calculations by the National Education Goals Panel.
- ⁵ U.S. Department of Commerce, Bureau of the Census, October 1990 Current Population Survey, unpublished tables, July 1992.
- ⁶ U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population and Housing, Report PC80-1-C1, *General Social and Economic Characteristics, United States Summary* (U.S. Washington, D.C.: Government Printing Office, October 1982).
- U.S. Department of Commerce, Bureau of the Census, 1990 Census of Population and Housing, Report 1990 CPH-5-1, *Summary Social, Economic, and Housing Characteristics, United States* (Washington, D.C.: U.S. Government Printing Office, November 1992).
- U.S. Department of Commerce, Bureau of the Census, 1980 Census of Population and Housing, Reports PHC80-3-2 to PHC80-3-53, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas, Alabama . . . Wyoming* (Washington, D.C.: U.S. Government Printing Office, October 1982), calculations by the National Education Goals Panel.
- ⁷ Mary Lyn Bourque and Howard H. Garrison, *The Levels of Mathematics Achievement: Initial Performance Standards for the 1990 NAEP Mathematics Assessment, Vol. 1*, National and State Summaries (Washington, D.C.: National Assessment Governing Board, 1991), 48-313.
- Ina V.S. Mullis, John A. Dossey, Eugene H. Owen, and Gary W. Phillips, *NAEP 1992 Mathematics Report Card for the Nation and the States: Data from the National and Trial State Assessments* (Washington, D.C.: National Center for Education Statistics, 1993), 9-10.
- ⁸ Ina V.S. Mullis, Jay Campbell, and Alan J. Farstrup, *NAEP 1992 Reading Report Card for the Nation and the States: Data from the National and Trial State Assessments* (Washington, D.C.: National Center for Education Statistics, 1993).
- ⁹ The College Board, unpublished tabulations of results from the 1991 and 1993 Advanced Placement examinations, calculations by the National Education Goals Panel.
- ¹⁰ Rolf K. Blank and Melanie Dalkilic, *State Indicators of Science and Mathematics Education, 1990* (Washington, D.C.: Council of Chief State School Officers, 1990), 8-11.
- Rolf K. Blank and Doreen Gruebel, *State Indicators of Science and Mathematics Education, 1993* (Washington, D.C.: Council of Chief State School Officers, 1993), 19-23.

- ¹¹ Peter Pashley and Gary W. Phillips, *Toward World-Class Standards: A Research Study Linking International and National Assessments* (Princeton, N.J.: Educational Testing Service, June 1993), 25-30.
- ¹² National Center for Education Statistics, *Data Compendium for the NAEP 1992 Mathematics Assessment of the Nation and the States* (Washington, D.C.: U.S. Department of Education, May 1993), 488, 501, 447-449, 452-459, 569, 555-556.
- ¹³ *Ibid.*, 419-420.
- ¹⁴ Rolf K. Blank and Doreen Gruebel, *State Indicators of Science and Mathematics Education, 1993* (Washington, D.C.: Council of Chief State School Officers, 1993), 46. calculations by the National Education Goals Panel.
- ¹⁵ *Ibid.*
- ¹⁶ National Center for Education Statistics, *Data Compendium for the NAEP 1992 Mathematics Assessment of the Nation and the States* (Washington, D.C.: U.S. Department of Education, May 1993), 359, and unpublished tabulations prepared by the Educational Testing Service and the National Center for Education Statistics, 1993.
- ¹⁷ Educational Testing Service, unpublished tabulations from the 1992 State Adult Literacy Survey, August, 1993; the Oregon Progress Board conducted an independent study in 1990 which was validated by the Educational Testing Service.
- ¹⁸ U.S. Department of Commerce, Bureau of the Census, *Voting and Registration in the Election of November 1988*, Current Population Reports, Series P-20, no. 440 (Washington, D.C.: U.S. Government Printing Office, 1989), and unpublished tabulations; calculations by the National Education Goals Panel.
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- ¹⁹ Centers for Disease Control, *Current Tobacco, Alcohol, Marijuana, and Cocaine Use Among High School Students - United States, 1990* (Atlanta, GA: 1991).
- Centers for Disease Control, *Current Tobacco, Alcohol, Marijuana, and Cocaine Use Among High School Students - United States, 1991* (Atlanta, GA: 1992).

APPENDIX B

TECHNICAL NOTES

General Information

Accuracy of Data

The accuracy of any statistic is determined by the joint effects of "sampling" and "nonsampling" errors. Estimates based on a sample will differ somewhat from the figures that would have been obtained if a complete census had been taken using the same survey instruments, instructions, and procedures. In addition to such sampling errors, all surveys, both universe and sample, are subject to design, reporting, and processing errors and errors due to nonresponse. To the extent possible, these nonsampling errors are kept to a minimum by methods built into the survey procedures. In general, however, the effects of nonsampling errors are more difficult to gauge than those produced by sampling variability.

Sampling Errors

The samples used in surveys are selected from a large number of possible samples of the same size that could have been selected using the same sample design. Estimates derived from the different samples would differ from each other. The difference between a sample estimate and the average of all possible samples is called the sampling deviation. The standard or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples and, thus, is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples.

The sample estimate and an estimate of its standard error permit us to construct interval estimates with prescribed confidence that the interval includes the average result of all possible samples. If all possible samples were selected under essentially the same conditions and an estimate and its estimated standard error were calculated from each sample, then: 1) approximately 2/3 of the intervals from one standard error below the estimate to one standard error above the estimate would include the average value of the possible samples; and 2) approximately 19/20 of the intervals from two standard errors above the estimate to two standard errors below the estimate would include the average value of all possible samples. We call an interval from two standard errors below the

estimate to two standard errors above the estimate a 95 percent confidence interval.

Analysis of standard errors can help assess how valid a comparison between two estimates might be. The standard error of a difference between two independent sample estimates is equal to the square root of the sum of the squared standard errors of the estimates. The standard error (se) of the difference between independent sample estimates "a" and "b" is:

$$se_{a,b} = \sqrt{se_a^2 + se_b^2}$$

Nonsampling Errors

Universe and sample surveys are subject to nonsampling errors. Nonsampling errors may arise when respondents or interviewers interpret questions differently; when respondents must estimate values; when coders, keyers, and other processors handle answers differently; when persons who should be included in the universe are not; or when persons fail to respond (completely or partially). Nonsampling errors usually, but not always, result in an understatement of total survey error and thus an overstatement of the precision of survey estimates. Since estimating the magnitude of nonsampling errors often would require special experiments or access to independent data, these magnitudes are seldom available.

Baseline and 1993 Goals Report

State data may be presented in this Report in one or both of two columns — *Baseline* or *1993 Goals Report*. Data reported for the first time in this Report will be presented in the column labeled *1993 Goals Report*. Data that have been reported in previous Goals Reports (1991 and/or 1992) will be presented in the column labeled *Baseline*.

Goal 1

Prenatal Care and Low Birthweight

Prenatal care refers to the first visit for health care services during pregnancy.

For the low-birthweight and prenatal care indicators, the numbers of cases reported as "not stated" were distributed among the reporting categories. Numbers may not add up to 1,000 due to rounding.

Children's Health Index

The percentages of infants at risk are based on the number of births used to calculate the health index, not the actual number of births. The percentage of complete and usable birth records used varied from a high of 99.88 to a low of 71.68. Five states (California, Indiana, New York, Oklahoma, and South Dakota) did not collect information on all six risks and are not included in this Report.

Children with Disabilities

The Individuals with Disabilities Act (IDEA) supports the improvement of services for very young children with disabilities through several programs, including the Program for Infants and Toddlers with Disabilities (Part H), the Preschool Grants Program (Section 619 of Part B), and the Early Education Program for Children with Disabilities (Section 623 of Part C). The Congressional mandate required states to have a mandate in place by school year 1991-92 that ensures a free appropriate public education (FAPE) for all eligible 3- to 5-year-old children with disabilities. By the end of 1990, only seven states and the Northern Marianas had not yet passed mandates for preschool services. By July 1991, all states had enacted a mandate with the exception of Oregon, which passed a mandate to go into effect in the 1992-93 school year.

Data are based on state information submitted to the U.S. Office of Special Education and Rehabilitative Services (OSERS) on the number of children with disabilities served under the IDEA, Part B and Chapter 1 (ESEA State-Operated Programs [SOP]) programs.

Goal 2

High School Completion

There are two major paths to high school completion. Most students receive a regular high school diploma after completing the requisite secondary school coursework. Other students, regardless of the number of high school courses they have completed, receive an alternative credential such as a General Educational Development (GED) certificate, Individual Education Plan (IEP) credential, or certificate of attendance. The high school completion rate for this Report was calculated by combining data for students

receiving regular high school diplomas with data for students receiving alternative credentials.

High School Completion and Dropout Rates

The 1990 Decennial Census data used in computing state high school completion rates are from special tabulations of the Census sample detail file. That file included data on current high school enrollment and high school graduation status. Those data were used in conjunction with Census single-year-of-age population data. By definition, the high school completion rates for 19- to 20-year-olds and 23- to 24-year-olds are computed as a percentage of the non-high school enrolled population at these ages who possess a high school credential (either a high school diploma or an alternative credential). The status dropout rate for 16- to 19-year-olds is computed as a percentage of all 16- to 19-year-olds who are not currently enrolled in high school and have not graduated from high school.

The Census data collection procedures count each person at his or her current location. As a result, 16- to 19-year-olds who graduated from high school and moved to another location for college or work are counted at their new location. This has the potential for artificially lowering the dropout rate in areas with universities, colleges, or employment opportunities, and artificially increasing the dropout rate in areas that graduates leave.

Goal 3

National Assessment Governing Board (NAGB) Achievement Levels

The National Assessment of Educational Progress (NAEP) data shown under Goal 3 should be interpreted with caution. The line signifying the *Goals Panel Performance Standard* classifies student performance according to achievement levels devised by the National Assessment Governing Board (NAGB). These achievement level data have been published previously by the National Center for Education Statistics (NCES). Students with NAEP scores falling below the *Goals Panel Performance Standard* have been classified by NAGB as "Basic" or below; those above have been classified as "Proficient" or "Advanced."

Basic: This level, below proficient, denotes partial mastery of knowledge and skills that are fundamental for proficient work at each grade — 4, 8, and 12. For 12th grade, this level is higher than minimum competency skills (which are normally taught in elementary and junior

high school) and covers significant elements of standard high school-level work.

Proficient: *This central level represents solid academic performance for each grade tested — 4, 8, and 12. It reflects a consensus that students reaching this level have demonstrated competency over challenging subject matter and are well prepared for the next level of schooling. At Grade 12, the proficient level encompasses a body of subject-matter knowledge and analytical skills, and of cultural literacy and insight, that all high school graduates should have for democratic citizenship, responsible adulthood, and productive work.*

Advanced: *This higher level signifies superior performance beyond proficient grade-level mastery at Grades 4, 8, and 12. For 12th grade, the advanced level shows readiness for rigorous college courses, advanced training, or employment requiring advanced academic achievement.*

The NAGB achievement levels were determined through reasoned judgements of what students should know and be able to do. They are attempts to characterize overall student performance in particular subject matter. They are also consistent with the Panel's efforts to report such performance against a high criterion standard. However, the methods used to derive the NAGB achievement "cut points" (i.e., the points distinguishing the percentage of students scoring at the different achievement levels) have been questioned along with the degree to which the NAGB achievement levels describe what students at each level actually know and can do.

The Goals Panel acknowledges these concerns but believes that, used with caution, the achievement levels convey important information about how American students are faring in reaching Goal 3. The Panel will continue to monitor subsequent work in achievement level construction and validation, and reserves the right to alter its reporting approaches based on new findings.

Advanced Placement Program

The Advanced Placement (AP) program, sponsored by The College Board, provides a way for high schools to offer college-level coursework to students. At present, one or more course descriptions, examinations, and sets of curricular materials are available in art, biology, chemistry, computer science, economics, English, French, German, government and politics, history, Latin, mathematics, music, physics, and Spanish. Advanced Placement examinations, which are given in May, are graded on a five-point scale: 5 - extremely well qualified; 4 - well qualified; 3 - quali-

fied; 2 - possibly qualified; and 1 - no recommendation. Grades of 3 and above generally are accepted for college credit and advanced placement at participating colleges and universities.

The National Education Goals Panel reports AP data in six subject areas: English, mathematics, science, history, foreign languages, and fine arts. English includes: English Language and Composition, and English Literature and Composition. Mathematics includes: Calculus AB and Calculus BC. Science includes: Biology, Chemistry, Physics B, Physics C—Mechanics, and Physics C—Electricity and Magnetism. History includes: U.S. History and European History. Foreign languages include: French Language, French Literature, Spanish Language, Spanish Literature, and German. Fine arts include: Art History, Studio Art (Drawing and General), and Music Theory. Two Advanced Placement measures for the subject areas are included in this Report: the number of examinations per 1,000 11th and 12th graders and the number of examinations graded 3 or above per 1,000 11th and 12th graders. The number of 11th and 12th graders includes public and private students. The enrollment figures were arrived at by multiplying the public enrollment by a private-enrollment adjustment factor. For the purposes of this Report, English, mathematics, science, and history were reported together.

Course Enrollments

In 1990, the Council of Chief State School Officers (CCSSO) reported high school course enrollment data for 38 states. Between the data collection periods for Fall 1989 and Fall 1991, 12 states changed their data collection forms. Changes in forms can produce significant differences in course enrollments for some categories. Due to budgetary constraints, three states reporting 1989 data could not report data for 1991 (Illinois, Louisiana, and Maryland), and three additional states began reporting data in 1991 (Colorado, Oregon, and Vermont). California's data are from Fall 1989 and Fall 1990. North Carolina's data and Wisconsin's data are from Fall 1988 and Fall 1991. Because of these inconsistencies in reporting, the baseline year will vary by state.

International Student Achievement Comparisons

International comparisons have been drawn between countries participating in the 1991 International Assessment of Educational Progress (IAEP) and states participating in the 1992 NAEP. Samples of 9- and 13-year-old students in public and private schools

were tested in mathematics in 20 countries. Those countries decided to adopt the 1990 NAEP objectives in mathematics as a blueprint for the construction of the IAEP mathematics assessment. Even with differences in the target population and timing, there was substantial overlap between the NAEP and the IAEP. By linking the IAEP scale to the NAEP scale, it is possible to predict the percentages of 13-year-olds in each of the 20 countries that participated in the 1991 IAEP in mathematics who would have performed at or above each of the three achievement levels (see technical notes for Goal 3) established by the NAGB for U.S. students. These predictions can then be compared with actual performance of U.S. 8th graders in public schools in the 1992 mathematics assessment with respect to these same criteria. For this Report, the highest-scoring countries (Korea, Taiwan, and Switzerland) were selected for comparison to the U.S. Mathematics data are presented only for the 42 states and territories that participated in the 1992 NAEP. Direct comparisons among these countries should be interpreted with caution.

Teacher Certification

The population of teachers includes those with a main and "other" assignment. The percentage certified refers to teachers with state certification in subject assigned to one or more period/class to subject. States have different requirements for teacher certification, which may explain the differing rates. For example, while all states had minimal certification requirements for mathematics teachers, the number of required semester course credits varied by state from 18 to 40. See the Council of Chief State School Officer's *State Indicators of Science and Mathematics Education: 1993* for more information on all certification requirements by state. California's data are from 1990. Colorado's Biology figures include all sciences.

Goal 5

Adult Literacy Scales

The Department of Education (ED) and the Educational Testing Service (ETS) characterized the literacy of America's adults in terms of three "literacy scales" representing distinct and important aspects of literacy: prose, document, and quantitative literacy. Each of the literacy scales, which range from 0 to 500, is as follows:

Prose literacy – the knowledge and skills needed to understand and use information from texts that include editorials, news stories, poems, and fiction; for example, finding a piece of information in a

newspaper article, interpreting instructions from a warranty, inferring a theme from a poem, or contrasting views expressed in an editorial.

Level 1 – Most of the tasks in this level require the reader to read relatively short text to locate a single piece of information which is identical to or synonymous with the information given in the question or directive. If plausible but incorrect information is present in the text, it tends not to be located near the correct information.

Level 2 – Some tasks in this level require readers to locate a single piece of information in the text; however, several distractors or plausible but incorrect pieces of information may be present, or low-level inferences may be required. Other tasks require the reader to integrate two or more pieces of information or to compare and contrast easily identifiable information based on a criterion provided in the question or directive.

Level 3 – Tasks in this level tend to require readers to make literal or synonymous matches between the text and information given in the task, or to make matches that require low-level inferences. Other tasks ask readers to integrate information from dense or lengthy text that contains no organizational aids such as headings. Readers may also be asked to generate a response based on information that can be easily identified in the text. Distracting information is present, but is not located near the correct information.

Level 4 – These tasks require readers to perform multiple-feature matches and to integrate or synthesize information from complex or lengthy passages. More complex inferences are needed to perform successfully. Conditional information is frequently present in tasks at this level and must be taken into consideration by the reader.

Level 5 – Some tasks in this level require the reader to search for information in dense text which contains a number of plausible distractors. Others ask readers to make high-level inferences or use specialized background knowledge. Some tasks ask readers to contrast complex information.

Document literacy – the knowledge and skills required to locate and use information contained in materials that include job applications, payroll forms, transportation schedules, maps, tables, and graphs; for example, locating a particular intersection on a street map, using a schedule to choose the

appropriate bus, or entering information on an application form.

Level 1 – Tasks in this level tend to require the reader either to locate a piece of information based on a literal match or to enter information from personal knowledge onto a document. Little, if any, distracting information is present.

Level 2 – Tasks in this level are more varied than those in Level 1. Some require the readers to match a single piece of information; however, several distractors may be present, or the match may require low-level inferences. Tasks in this level may also ask the reader to cycle through information in a document or to integrate information from various parts of a document.

Level 3 – Some tasks in this level require the reader to integrate multiple pieces of information from one or more documents. Others ask readers to cycle through rather complex tables or graphs which contain information that is irrelevant or inappropriate to the task.

Level 4 – Tasks in this level, like those at the previous levels, ask readers to perform multiple-feature matches, cycle through documents, and integrate information; however, they require a greater degree of inferencing. Many of these tasks require readers to provide numerous responses but do not designate how many responses are needed. Conditional information is also present in the document tasks at this level and must be taken into account by the reader.

Level 5 – Tasks in this level require the reader to search through complex displays that contain multiple distractors, to make high-level text-based inferences, and to use specialized knowledge.

Quantitative literacy – the knowledge and skills required to apply arithmetic operations, either alone or sequentially, using numbers embedded in printed materials; for example, balancing a check-book, figuring out a tip, completing an order form, or determining the amount of interest from a loan advertisement.

Level 1 – Tasks in this level require readers to perform single, relatively simple arithmetic operations, such as addition. The numbers to be used are provided and the arithmetic operation to be performed is specified.

Level 2 – Tasks in this level typically require readers to perform a single operation using numbers that are either stated in the task or easily located in the material. The operation to be performed may be stated in the question or easily determined from the format of the material (for example, an order form).

Level 3 – In tasks in this level, two or more numbers are typically needed to solve the problem, and these must be found in the material. The operation(s) needed can be determined from the arithmetic relation terms used in the question or directive.

Level 4 – These tasks tend to require readers to perform two or more sequential operations or a single operation in which the quantities are found in different types of displays, or the operations must be inferred from semantic information given or drawn from prior knowledge.

Level 5 – These tasks require readers to perform multiple operations sequentially. They must disembed the features of the problem from text or rely on background knowledge to determine the quantities or operations needed.

Twelve states (California, Florida, Illinois, Indiana, Iowa, Louisiana, New Jersey, New York, Ohio, Pennsylvania, Texas, and Washington) participated in the 1992 State Adult Literacy Survey. Data collection was conducted in Florida on a separate schedule, and adult literacy results were not available in time for inclusion in this Report. The Oregon Progress Board conducted an independent study in 1990, which was validated by the Educational Testing Service. Adults aged 16-65 participated in the 1990 Oregon study; in other states which participated in 1992, the sample included adults aged 16 and older.

Goal 6

Student Drug Use

The information from the Youth Risk Behavior Surveillance Survey includes only states with weighted data. Only four states (Georgia, New Mexico, South Dakota, and Utah) had weighted data for both years. The wording in the survey questions changed between 1990 and 1991, which may have accounted for significant differences detected in New Mexico. Because of these inconsistencies in reporting, the baseline year will vary by state.

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WORKING GROUP

Congressional Representatives

Elizabeth Beck, U.S. Senate, Office of Senator Bingaman
 Doris Dixon, U.S. Senate, Office of Senator Cochran
 Andrew Hartman, U.S. House of Representatives, Office of Representative Goodling
 Jeffrey MacFarland, U.S. House of Representatives, Office of Representative Kildee
 Ray Ramirez, U.S. Senate, Office of Senator Bingaman
 Diane Stark, U.S. House of Representatives, Office of Representative Kildee
 David Thompson, U.S. Senate, Office of Senator Bingaman
 Susan Wilhelm, U.S. House of Representatives, Office of Representative Kildee

Governors' Representatives

Donna Chitwood, Office of the Governor of Colorado
 Nancy Cobb, Office of the Governor of Indiana
 Andrew Cunningham, Office of the Governor of Nebraska
 Phillip Dunshee, Office of the Governor of Iowa
 Alison Englund, Office of the Governor of Minnesota
 Donald Ernst, Office of the Governor of Indiana
 Polly Feis, Nebraska Department of Education
 Irv Fitzgerald, Office of the Governor of Colorado
 Richard Gordon, Office of the Governor of Indiana
 Lori Gremel, Office of the Governor of Michigan
 Curt Johnson, Office of the Governor of Minnesota
 Davis Lackey, Office of the Governor of Maine
 Thomas Litien, Office of the Governor of Nebraska
 Mary Majorowicz, Maine Department of Education
 Nikki McNamee, Office of the Governor of South Carolina
 William Porter, Office of the Governor of Colorado
 Phillip Smith, Office of the Governor of Iowa
 Bl Thornberry, Office of the Governor of Colorado
 Janice Trawick, Office of the Governor of South Carolina
 George VanAdestine, Office of the Governor of Michigan

U.S. Department of Education Representatives

John Burkett, National Center for Education Statistics
 John Christensen, Office of Educational Research and Improvement
 Michael Cohen, Office of the Secretary
 Jennifer Davis, Office of the Secretary
 Kimberly Ross, Office of Intergovernmental and Interagency Affairs
 Henry Smith, Office of Intergovernmental and Interagency Affairs
 Billy Webster, Office of the Secretary

White House Administration Representatives

William Galston, Office of Domestic Policy
 Patrick Lester, Office of Domestic Policy

Other Working Group Contributors

Patty Sullivan, National Governors' Association
 Susan Trauman, National Governors' Association
 Bayla White, Office of Management and Budget

RESOURCE GROUPS AND TECHNICAL PLANNING SUBGROUPS

GOAL 1: READINESS FOR SCHOOL

Resource Group Convener: Ernest Boyer, The Carnegie Foundation for the Advancement of Teaching

Members:

James Comer, Yale University
 Donna Foglia, Evergreen School District, California
 Peter Gerber, MacArthur Foundation
 Sarah Greene, National Head Start Association
 Sharon Lynn Kagan, Yale University
 William Kolberg, National Alliance of Business
 Luis Laosa, Educational Testing Service
 Michael Levine, Carnegie Corporation of New York
 Samuel Meisels, University of Michigan
 Evelyn Moore, National Black Child Development Institute
 Lucile Newman, Brown University
 Douglas Powell, Purdue University
 Julius Richmond, Harvard Medical School
 Marilyn Smith, National Association for the Education of Young Children
 James Wilsford, Jim Wilsford Associates, Inc.
 Nicholas Zill, Westat, Inc.

Technical Planning Group on Readiness for School Leader:
 Sharon Lynn Kagan, Yale University

Members:

Ernest Boyer, The Carnegie Foundation for the Advancement of Teaching
 Sue Bredekamp, National Association for the Education of Young Children

M. Elizabeth Graue, University of Wisconsin
 Luis Laosa, Educational Testing Service
 Samuel Meisels, University of Michigan
 Evelyn Moore, National Black Child Development Institute
 Lucile Newman, Brown University
 Lorrie Shepard, University of Colorado
 Valora Washington, The Kellogg Foundation
 Nicholas Zill, Westat, Inc.

Consultants for Technical Planning Group on Readiness for School:

Scarvia Anderson, Education Advisor
 Ira Blake, Teachers College, Columbia University
 Lois Bloom, Teachers College, Columbia University
 Barbara Bowman, Erikson Institute
 Bettye Caldwell, University of Arkansas at Little Rock
 Richard Durán, University of California, Santa Barbara
 Richard Figueroa, University of California, Santa Cruz
 Eugene García, University of California, Santa Cruz
 Elvie Germino Hausken, U.S. Department of Education
 Carollee Howes, University of California, Los Angeles
 Constance Kamii, University of Alabama at Birmingham
 Lillian Katz, ERIC Clearinghouse on Elementary and Early Childhood Education
 Ivor Pritchard, U.S. Department of Education
 Jack Shonkoff, University of Massachusetts - Worcester
 Barbara Smith, Allegheny-Singer Research Institute
 Jerry West, U.S. Department of Education
 Dennie Wolf, Harvard University
 Daria Zvetina, Erikson Institute

GOAL 2: HIGH SCHOOL COMPLETION

Resource Group Convener: Rafael Valdivieso, Academy for Educational Development, Inc.

Members:

Janet Baldwin, General Education Development Testing Service
 José Cardenas, The Intercultural Development Research Association
 Barbara Clements, Council of Chief State School Officers
 Edmond Gordon, City College of New York
 Noreen López, Illinois State Board of Education
 Steven Neilson, Milliman and Robertson, Inc.
 Aaron Pallas, Michigan State University
 Richard Wallace, Pittsburgh Public Schools

Technical Planning Subgroup on Core Data Elements Leader:
 Barbara Clements, Council of Chief State School Officers

Members:

Linda Baker, Maryland State Department of Education
 Paul Barton, Educational Testing Service
 Matthew Cohen, Ohio Department of Education
 Dennis Jones, National Center for Higher Education Management Systems
 Glynn Ligon, Evaluation Software Publication
 John Porter, Urban Education Alliance, Inc.
 Ramsay Selden, Council of Chief State School Officers
 Nicholas Zill, Westat, Inc.

Consultants for Technical Planning Subgroup on Core Data Elements:

Lou Danielson, U.S. Department of Education
 Lee Hoffman, U.S. Department of Education

GOAL 3: STUDENT ACHIEVEMENT AND CITIZENSHIP

Resource Group Convener: Lauren Resnick, University of Pittsburgh

Members:

Gordon Ambach, Council of Chief State School Officers
 Chester Finn, Jr., Edison Project
 Asa Hilliard, Georgia State University
 David Hornbeck, Education Advisor
 Richard Mills, Vermont Department of Education
 Claire Pelton, San Jose Unified School District

Goal 3/4 NAEP Technical Advisory Subgroup Leader:
 Ramsay Selden, Council of Chief State School Officers

Members:

Eva Baker, University of California, Los Angeles
 Dorothy Gilford, National Academy of Sciences
 Robert Glaser, University of Pittsburgh
 Steven Leinwand, Connecticut State Department of Education
 Robert Linn, University of Colorado
 Michael Nettles, University of Michigan
 Senta Raizen, National Center for Improving Science Education
 William Schmidt, Michigan State University
 Elizabeth Stage, National Research Council
 Uri Treisman, University of Texas, Austin

Consultants for NAEP Technical Advisory Subgroup:

John Burkett, U.S. Department of Education
 Stanley Jones, Office of the Governor of Indiana
 Susan Loomis, American College Testing
 Gail MacColl, General Accounting Office
 Jeffrey MacFarland, U.S. House of Representatives, Office of Representative Kildee
 Nikki McNamee, Office of the Governor of South Carolina
 Fritz Mulhauser, General Accounting Office
 Mark Reckase, American College Testing
 Susan Wilhelm, U.S. House of Representatives, Office of Representative Kildee

GOAL 4: SCIENCE AND MATHEMATICS

Resource Group Convener: Alvin Trivelpiece, Oak Ridge National Laboratory

Members:

Iris Carl, National Council of Teachers of Mathematics
 Kenneth Lav, IBM
 Steven Leinwand, Connecticut State Department of Education
 Michael Nettles, University of Tennessee
 Alba Ortiz, University of Texas, Austin

Senta Ratzen, National Center for Improving Science Education
Ramsay Selden, Council of Chief State School Officers

Goal 3/4 Standards Review Technical Planning Subgroup
Leader: Shirley Malcom, American Association for the
Advancement of Science

Members:

Iris Carl, National Council of Teachers of Mathematics
David Cohen, Michigan State University
Thomas Crawford, U.S. Olympic Committee
Mihaly Csikszentmihalyi, University of Chicago
Phillip Daro, University of California
Chester Finn, Jr., Edison Project
Anne Heald, University of Maryland
David Hornbeck, Education Advisor
David Kearns, Xerox Corporation
Michael Kirst, Stanford University
Richard Mills, Vermont Department of Education
Harold Noah, Teachers College, Columbia University
Claire Pelton, San Jose Unified School District
James Renier, Honeywell Corporation
Stacey Smith, Coalition of Essential Schools/Atlas

**Consultants for Goal 3/4 Standards Review Technical
Planning Subgroup:**

Lin Anderson, U.S. Department of Education
Diane Massell, Rutgers University

GOAL 5: ADULT LITERACY AND LIFELONG LEARNING

Resource Group Convener: Mark Musick, Southern Regional
Educational Board

Members:

Paul Barton, Educational Testing Service
Forest Clusman, Southport Institute for Policy Analysis
Peter Ewell, National Center for Higher Education
Management Systems
Eva McLarty, American College Testing
William Spring, Federal Reserve Bank of Boston
Thomas Sticht, Applied, Behavioral, and Cognitive Sciences,
Incorporated
Marc Tucker, National Center on Education and the Economy

**Consultants for Resource Group on Adult Literacy and
Lifelong Learning:**

Susan Green, National Institute for Literacy
Jean McDonald, National Governors' Association
Sondra Stein, National Institute for Literacy

**GOAL 6: SAFE, DISCIPLINED, AND DRUG-FREE
SCHOOLS**

Resource Group Convener: John W. Porter, Urban Education
Alliance

Members:

C. Leonard Anderson, Portland Public Schools
Constance Clayton, Philadelphia Public Schools

Joseph Fernandez, New York City Public Schools
Michael Guerra, National Catholic Education Association
J. David Hawkins, Social Development Research Group
Fred Hechinger, Carnegie Corporation of New York
Barbara Huff, Federation of Families for Children's
Mental Health
Lloyd Johnston, University of Michigan
Ronda Talley, American Psychological Association

**Consultants for Resource Group on Safe, Disciplined, and
Drug-free Schools:**

Steven Cohen, Agency for Health Care Policy and Research
Janet Collins, Centers for Disease Control
Vincent Giordano, New York City Public Schools
Laura Kann, Centers for Disease Control
Daniel Kasprzyk, U.S. Department of Education
Robert Lehnen, Indiana Education Policy Center
Ollie Moles, U.S. Department of Education
Ed Zubrow, Philadelphia Public Schools

**Task Force on Disciplined Environments Conducive to
Learning Leader:** Ronda Talley, American Psychological
Association

Members:

C. Leonard Anderson, Portland Public Schools
Michael Guerra, National Catholic Education Association
J. David Hawkins, Social Development Research Group
Fred Hechinger, Carnegie Corporation of New York
Barbara Huff, Federation of Families for Children's Mental
Health
Ed Zubrow, Philadelphia Public Schools

**Consultants for Task Force on Disciplined Environments
Conducive to Learning**

Ollie Moles, U.S. Department of Education

**TASK FORCE ON EDUCATION NETWORK
TECHNOLOGY**

Leader: Robert Palach, Education Commission of the States

Members:

Laura Breedon, FARNET
John Clement, Educom
Jan Hawkins, Bank Street College of Education
Robert Kansky, National Academy of Sciences
Pamela Keating, University of Washington
Glenn Kessler, Fairfax County Public Schools, Virginia
Hayes Lewis, Zuni Public Schools, New Mexico
Mark Musick, Southern Regional Education Board
Nora Sabelli, National Science Foundation
Rafael Valdivieso, Academy for Educational Development, Inc.

Task Force Advisors:

Steven Gould, Congressional Research Service
Gerald Malitz, U.S. Department of Education
Linda Roberts, Office of Technology Assessment, U.S. Congress

AD HOC ADVISORY GROUP FOR OUTREACH

Drew Allbritten, American Association for Adult and Continuing Education
 Gordon Ambach, Council of Chief State School Officers
 James Appleberry, American Association of State Colleges and Universities
 Arleen Arnsperger, Education Commission of the States
 Leslve Arshr, America 2000 Coalition
 Richard Bagin, National School Public Relations Association
 Christine Becker, National League of Cities
 Catherine Belter, National PTA
 Peter Buchanan, Council for Advancement and Support of Education
 Joan Campbell, National Council of the Churches of Christ in the USA
 Gene Carter, Association for Supervision and Curriculum Development
 Michael Casserly, Council of the Great City Schools
 Gloria Chernay, Association of Teacher Educators
 Janet Cox, National Association of Partners in Education
 Christopher Cross, The Business Roundtable
 Timothy Dyer, National Association of Secondary School Principals
 Carol Fuller, National Institute of Independent Colleges and Universities
 Pat Henry, National PTA
 David Imig, American Association for Colleges of Teacher Education
 Michael Jackson, TRW, Inc.
 George Kersey, Jr., Phi Delta Kappa
 Shirley McBay, Quality Education for Minorities Network
 Joyce McCray, Council for American Private Education
 Richard Miller, American Association of School Administrators
 Patricia Mitchell, National Alliance of Business
 Rae Nelson, U.S. Chamber of Commerce
 David Pierce, American Association of Community Colleges
 Bella Rosenberg, American Federation of Teachers
 Tony Sarmiento, AFL-CIO
 William Saunders, National Alliance of Black School Educators
 Samuel Sava, National Association of Elementary School Principals
 Thomas Shannon, National School Boards Association
 Marilyn Smith, National Association for the Education of Young Children
 Terry Smith, National Geographic Society
 Dick Vander Woude, National Education Association
 Pedro Viera, SER — Jobs for Progress National, Inc.
 Gene Wilhoit, National Association of State Boards of Education

DATA ACQUISITION

Nabeel Alsalam, U.S. Department of Education
 Kent Ashworth, Educational Testing Service
 Rolf Blank, Council of Chief State School Officers
 Sharon Bobbitt, U.S. Department of Education
 Justin Boesel, Westat, Inc.
 James Bowling, Ohio Department of Education
 Marsha Brauen, Westat, Inc.
 Michael Brick, Westat, Inc.
 Joyce Buchanon, University of Michigan
 Jeanne Burns, Office of the Governor of Louisiana
 Ann Campbell, Educational Testing Service
 Amy Cellini, Educational Testing Service
 Kathryn Chandler, U.S. Department of Education
 John Christopher, Pennsylvania Department of Education
 Adam Chu, Westat, Inc.

Sally Clarke, U.S. Department of Health and Human Services
 Mary Collins, Westat, Inc.
 Jude Corina, Pinkerton Computer Consultants, Inc.
 Jay Cummings, Texas Education Agency
 Wade Curry, The College Board
 Patricia Dabbs, U.S. Department of Education
 Lou Danielson, U.S. Department of Education
 Betsy Davies, Westat, Inc.
 Janet Durfee-Hidalgo, Office of the Governor of Ohio
 Elizabeth Farris, Westat, Inc.
 Mary Frase, U.S. Department of Education
 David Freund, Educational Testing Service
 Jules Goodison, Educational Testing Service
 Steven Gorman, U.S. Department of Education
 Patricia Green, Washington State Board for Community & Technical Colleges
 Suzanne Griffin, Washington State Board for Community & Technical Colleges
 Doreen Gruebel, Council of Chief State School Officers
 Babette Gutmann, Westat, Inc.
 Peter Ha, Westat, Inc.
 John Hartwig, Iowa Department of Education
 Elvie Germimo Hausken, U.S. Department of Education
 Sheila Heaviside, Westat, Inc.
 Allison Henderson, Westat, Inc.
 Susan Hill, National Science Foundation
 Tim Houchen, Oregon Progress Board
 Lynn Jenkins, Educational Testing Service
 Lloyd Johnston, University of Michigan
 Daniel Kaspryk, U.S. Department of Education
 Phillip Kaufman, Management Planning Research Associates, Incorporated
 Irwin Kirsch, Educational Testing Service
 Andrew Kolstad, U.S. Department of Education
 Robert Kominski, U.S. Department of Commerce
 John Lawrence, Florida Bureau of Adult & Community Education
 Mary Levinsohn, Westat, Inc.
 Noreen Lopez, Illinois State Board of Education
 Walter MacDonald, Educational Testing Service
 Ginger Maggio, University of Michigan
 Diane Makuc, National Center for Health Statistics
 Joyce Martin, U.S. Department of Health and Human Services
 Valerie Martin, Pinkerton Computer Consultants, Inc.
 Marilyn McMillan, U.S. Department of Education
 Mary Michaels, Educational Testing Service
 Daniel Miller, Illinois State Board of Education
 Patricia Moss, Indiana Department of Workforce Development
 Garrett Murphy, New York Department of Adult Education
 Mary Jo Nolin, Westat, Inc.
 Christine Winqvist Nord, Westat, Inc.
 George Nozicka, Quantum Research Corporation
 John Olson, Educational Testing Service
 Patrick O'Malley, University of Michigan
 Eugene Owen, U.S. Department of Education
 Jeffrey Owings, U.S. Department of Education
 Gary Phillips, U.S. Department of Education
 Jerry Pinsel, Louisiana Office of Literacy
 Deborah Pomeroy, University of Michigan
 Peggy Quinn, U.S. Department of Education
 Douglas Rhodes, Educational Testing Service
 Cassandra Rowand, Westat, Inc.
 Ethel Sannier, Westat, Inc.
 Sharif Shakran, U.S. Department of Education
 Elizabeth Sinclair, Westat, Inc.
 Thomas Smith, U.S. Department of Education
 Deborah Stedman, Texas Education Agency
 John Stevenson, Centers for Disease Control

Richard Stiles, California Department of Education
 Jeffrey Stunkard, Westat, Inc.
 Leland Tack, Iowa Department of Education
 Maureen Treacy, U.S. Department of Education
 Harry Van Houten, New Jersey State Department of Education
 Stephanie Ventura, U.S. Department of Health and
 Human Services
 Jacque Wernimont, Westat, Inc.
 Helen Wise, Office of the Governor of Pennsylvania
 Dave Wright, Westat, Inc.
 Duncan Wyse, Oregon Progress Board
 Elizabeth Zell, Centers for Disease Control
 Nicholas Zill, Westat, Inc.

REPORT PRODUCTION

Justin Boesel, Westat, Inc.
 Julie Daft, Westat, Inc.
 Babette Gutmann, Westat, Inc.
 Allison Henderson, Westat, Inc.
 Scott Miller, Editorial Experts, Incorporated
 Jim Page, Visual Communication Services
 Kelli Sechrist, Visual Communication Services

OTHER KEY INDIVIDUALS

Phyllis Blaustein, Widmeyer Group
 Steve Borogham, U.S. Department of Education
 Mary Brian, Shoreline School District, Washington
 John Buchanan, People For the American Way
 Nancy Cole, Educational Testing Service
 Ramon Cortines, U.S. Department of Education
 Charlotte Crabtree, National History Standards Project
 Dolores Cross, Chicago State University
 Anthony de Souza, The Geography Standards Project
 Ramona Edelin, National Urban Coalition

Emerson Elliott, U.S. Department of Education
 Jane Elliott, Office of the Governor of Nebraska
 Geraldine Evans, Minnesota Community College System
 Richard Ferguson, American College Testing
 Phyllis Franck, Dove Communications
 Milton Goldberg, U.S. Department of Education
 Barbara Gómez, Council of Chief State School Officers
 Chris Held, Phantom Lake Elementary School, Washington
 Elizabeth Hoffman, Nebraska Department of Education
 Clyde Ingle, Indiana Commission for Higher Education
 Roberts Jones, U.S. Department of Labor
 Steven Kautman, U.S. Department of Education
 Michael Kean, Association of American Publishers, Inc.
 Janet Kiel, West Side High School, Omaha, Nebraska
 Madeleine Kurin, U.S. Department of Education
 Melodee Landis, Nebraska Department of Education
 Anne Lewis, free-lance writer
 Joseph Lutjeharms, Nebraska Commissioner of Education
 Sister Mary Andrew Matesich, Ohio Dominican College
 James Minstrell, Mercer Island High School, Washington
 John Newsom, Bellevue School District, Washington
 Charles Quigley, Center for Civic Education
 Diane Ravitch, The Brookings Institute
 Edward Reidy, Kentucky Department of Education
 Lee Rockwell, Nebraska Educational
 Telecommunications Commission
 Amy Rogstad, National Governors' Association
 Eric Rosen, Rosen Communications
 Mary Ann Schmitt, U.S. Department of Education
 Warren Simmons, The Annie Casey Foundation
 Marshall Smith, U.S. Department of Education
 Martha Thurlow, University of Minnesota
 Scott Treibitz, Tricom Associates
 Roy Truby, National Assessment Governing Board
 Karen Ward, Nebraska State Systemic Initiative for Math
 and Science
 Scott Widmeyer, Widmeyer Group

National Education Goals Panel Staff

ACTING EXECUTIVE DIRECTOR

Martin E. Orland

EXECUTIVE DIRECTOR (through July 1993)

Wilmer S. Cody

COMMUNICATIONS DIRECTOR

Ruth Whitman Chacon

PROFESSIONAL STAFF

Edward J. Fuentes
Laura L. Lancaster-Tayman
Leslie A. Lawrence
Cynthia D. Prince
Charles J. Walter
Emily O. Wurtz

with assistance from

Hilary Cairns
Lamont M. Cousar
Nancy Delasos
Leonard L. Haynes III
Carol Jay Stratoudakis
Justine L. Unatin
Andrea Venezia

SUPPORT STAFF

Cynthia Dixon
Tia M. Cosey

ERRATA SHEET

In Volume 2, some data for six states under Goal 4, direct measures of the objectives: teacher certification, were inadvertently omitted. The complete data are shown below.

DELAWARE

Direct Measures of the Objectives: Teacher Certification	1993 Goals Report
• Percentage of public high school science teachers who are certified to teach science (1991):	
– Biology	94%
– Chemistry	100%
– Physics	93%
– Earth Science	100%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)	94%

NEVADA

Direct Measures of the Objectives: Teacher Certification	1993 Goals Report
• Percentage of public high school science teachers who are certified to teach science (1991):	
– Biology	99%
– Chemistry	100%
– Physics	96%
– Earth Science	92%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)	95%

NEW MEXICO

Direct Measures of the Objectives: Teacher Certification	1993 Goals Report
• Percentage of public high school science teachers who are certified to teach science (1991):	
– Biology	100%
– Chemistry	100%
– Physics	99%
– Earth Science	98%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)	100%

NORTH DAKOTA

Direct Measures of the Objectives: Teacher Certification	1993 Goals Report
• Percentage of public high school science teachers who are certified to teach science (1991):	
– Biology	100%
– Chemistry	100%
– Physics	100%
– Earth Science	100%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)	100%

RHODE ISLAND

Direct Measures of the Objectives: Teacher Certification	1993 Goals Report
• Percentage of public high school science teachers who are certified to teach science (1991):	
– Biology	100%
– Chemistry	100%
– Physics	100%
– Earth Science	100%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)	100%

SOUTH DAKOTA

Direct Measures of the Objectives: Teacher Certification	1993 Goals Report
• Percentage of public high school science teachers who are certified to teach science (1991):	
– Biology	99%
– Chemistry	98%
– Physics	93%
– Earth Science	100%
• Percentage of public high school mathematics teachers who are certified to teach mathematics (1991)	99%