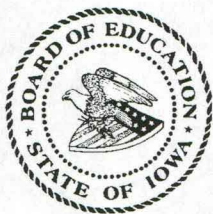


# STATE INDICATORS OF STUDENT SUCCESS

2000 Report

State Board of Education



3-1867

June 2000

State of Iowa  
**Department of Education**  
Grimes State Office Building  
Des Moines, Iowa 50319-0146

## **STATE BOARD OF EDUCATION**

Corine A. Hadley, President, Newton  
Gene E. Vincent, Vice President, Carroll  
Charles C. Edwards, Jr., Des Moines  
Sally J. Frudden, Charles City  
Gregory D. McClain, Cedar Falls  
Mary Jean Montgomery, Spencer  
Donald L. Roby, Decorah  
Kay E. Wagner, Bettendorf  
John C. White, Iowa City

## **ADMINISTRATION**

Ted Stilwill, Director and Executive Officer  
of the State Board of Education  
Gail Sullivan, Chief of Policy and Planning

## **DIVISION OF FINANCIAL AND INFORMATION SERVICES**

Leland Tack, Administrator

## **BUREAU OF PLANNING, RESEARCH & EVALUATION**

David J. Alvord, Chief  
Steve Boal, Consultant  
Mary Jo Bruett, Referral Specialist  
Becky Erickson, Graphic Artist

It is the policy of the Iowa Department of Education not to discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age or marital status in its programs or employment practices. If you have questions or grievances related to this policy please contact the Bureau of Administration and School Improvement Services, Grimes State Office Building, Des Moines, Iowa 50319-0146, 515-281-5811.

## STATE INDICATORS

1. Percentage of 4th, 8th, and 11th grade students achieving proficient or higher reading status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development and reported for gender, race, socio-economic status, and students with disabilities.
2. Percentage of 4th, 8th, and 11th grade students achieving proficient or higher mathematics status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development and reported for gender, race, socio-economic status, and students with disabilities.
3. Percentage of 8th and 11th grade students achieving proficient or higher science status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development.
4. Percentage of students considered as dropouts for grades 7-12 reported by gender, race, and students with disabilities. Dropout rates will be reported until electronic student databases are available at the local and state level to permit the calculation of a statewide and local graduation rate.
5. Percentage of high school graduates pursuing postsecondary education/training. Data will be reported for students with disabilities when electronic student databases are available at the local and state level. This is projected for the year 2001.
6. Percentage of students achieving an ACT score above the national average.
7. Percentage of students who report on the ACT the completion of a core program of four years of English and three or more years each of mathematics, science, and social studies courses.
8. Percentage of students successfully employed in Iowa to be established at such time that a customer tracking information system is operational at the state level. Local school districts and accredited nonpublic schools are not required to report on this indicator.

# CONTENTS

**Indicator 1:** Percentage of 4th, 8th, and 11th grade students achieving proficient or higher reading status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development and reported for gender, race, socio-economic status, and students with disabilities.

Figure 1 - Percent of Iowa Students Scoring At or Above the Proficient Level in Reading as Measured by ITBS and ITED over the Biennium Periods 1993-95 to 1997-99 ..... 1

Figure 2 - Percent of Iowa Students Scoring At or Above the Proficient Level in Reading as Measured by ITBS and ITED by Gender 1997-99 ..... 1

**Indicator 2:** Percentage of 4th, 8th, and 11th grade students achieving proficient or higher mathematics status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development and reported for gender, race, socio-economic status, and students with disabilities.

Figure 3 - Percent of Iowa Students Scoring At or Above the Proficient Level in Mathematics as Measured by ITBS and ITED over the Biennium Periods 1993-95 to 1997-99 ..... 2

Figure 4 - Percent of Iowa Students Scoring At or Above the Proficient Level in Mathematics as Measured by ITBS and ITED by Gender 1997-99 ..... 2

**Indicator 3:** Percentage of 8th and 11th grade students achieving proficient or higher science status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development.

Science data not currently available.

**Indicator 4:** Percentage of students considered as dropouts for grades 7-12 reported by gender, race, and students with disabilities. Dropout rates will be reported until electronic student databases are available at the local and state level to permit the calculation of a statewide and local graduation rate.

Figure 5 - Iowa Public School 7-12 Dropouts as a Percent of 7-12 Enrollments ..... 3

Figure 6 - Percent of Iowa Public School Dropouts by Gender ..... 3

Figure 7 - Iowa Public School Minority Dropouts as a Percent of Total Dropouts Compared to the Percent of Minority 7-12 Enrollment ..... 4

Figure 8 - Iowa Public School African American Dropouts as a Percent of Total Dropouts Compared to the Percent of African American 7-12 Enrollment ..... 4

# CONTENTS

**Indicator 5:** Percentage of high school graduates pursuing postsecondary education/training. Data will be reported for students with disabilities when electronic student databases are available at the local and state level. This is projected for the year 2001.

Figure 9 - Percentage of Iowa Public School Students Intending to Pursue Postsecondary Education/Training ..... 5

Figure 10 - Percentage of Iowa Public School Students Intending to Pursue Postsecondary Education/Training by Gender ..... 5

**Indicator 6:** Percentage of students achieving an ACT score above the national average.

Figure 11 - Average ACT Composite Scores - Iowa and the Nation ..... 6

Figure 12 - Iowa Average ACT Composite Scores by Gender ..... 6

Table 1 - Distribution of Iowa ACT Composite Scores ..... 7

**Indicator 7:** Percentage of students who report on the ACT the completion of a core program of four years of English and three or more years each of mathematics, science, and social studies courses.

Figure 13 - Percentage of Iowa ACT Test-takers Completing Core Curriculum ..... 7

**Indicator 8:** Percentage of students successfully employed in Iowa to be established at such time that a customer tracking information system is operational at the state level. Local school districts and accredited nonpublic schools are not required to report on this indicator.

No data currently available.

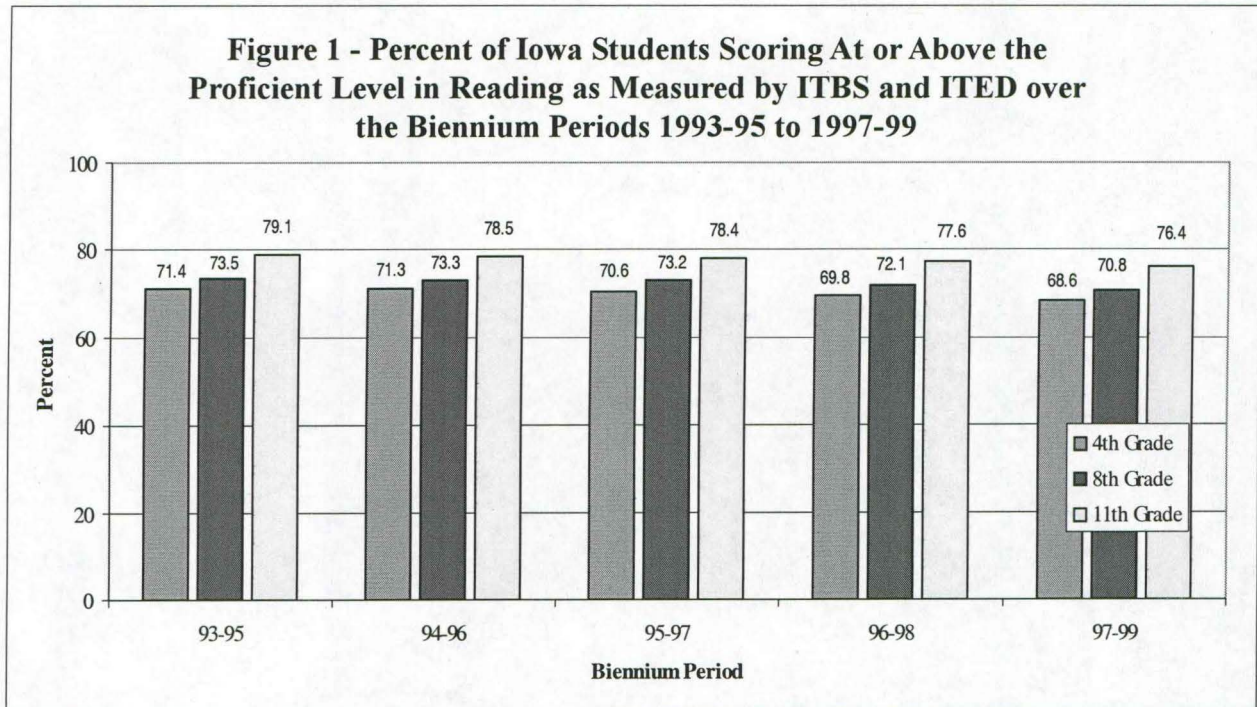
**Strategic Plan Goal:** The percentage of high school students achieving a score or status on a measure indicating probable postsecondary success.

Figure 14 - Average Advanced Placement Exam Scores - All Candidates ..... 8

Figure 15 - Number of Advanced Placement Exams Taken by Iowa Students ..... 8

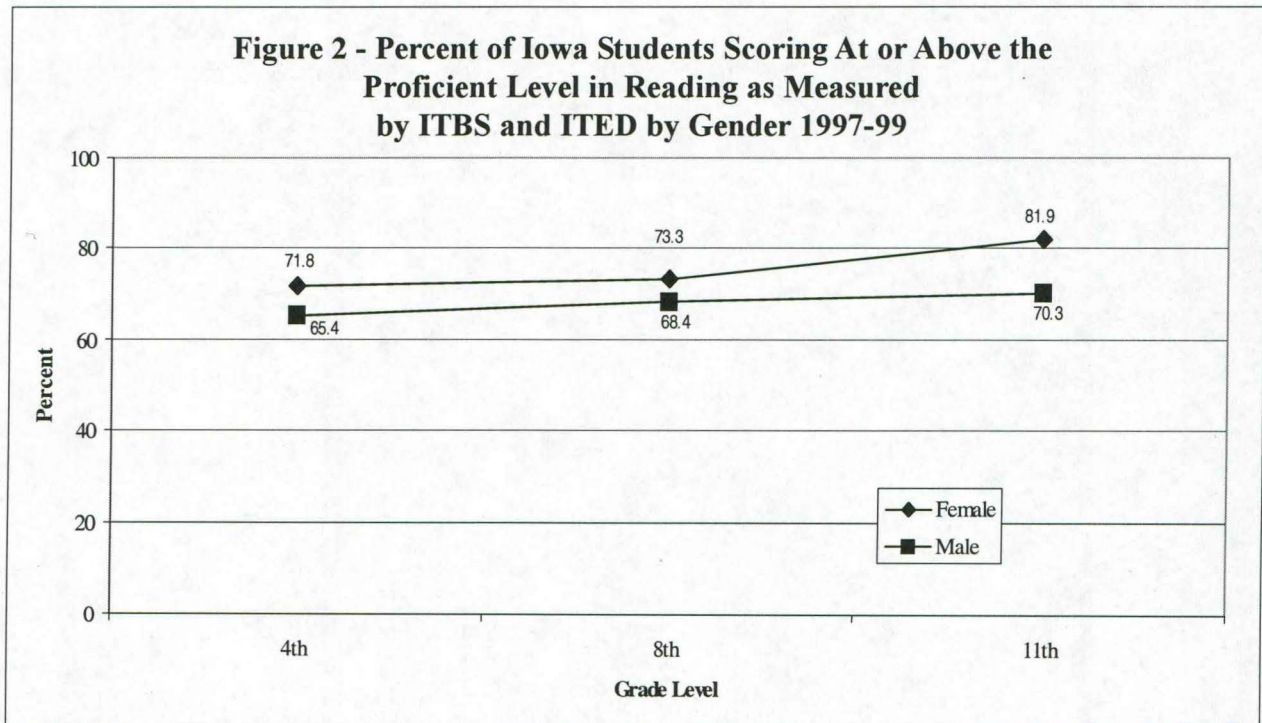
Figure 16 - Advanced Placement Exam Score Distribution - 1998, 1999 ..... 9

**Indicator 1:** Percentage of 4th, 8th, and 11th grade students achieving proficient or higher reading status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development and reported for gender, race, socio-economic status, and students with disabilities.



Source: Iowa Testing Programs, University of Iowa, 4th Grade, ITBS Reading Comprehension Test.  
 Iowa Testing Programs, University of Iowa, 8th Grade, ITBS Reading Comprehension Test.  
 Iowa Testing Programs, University of Iowa, 11th Grade, ITED Content Area Reading Score.

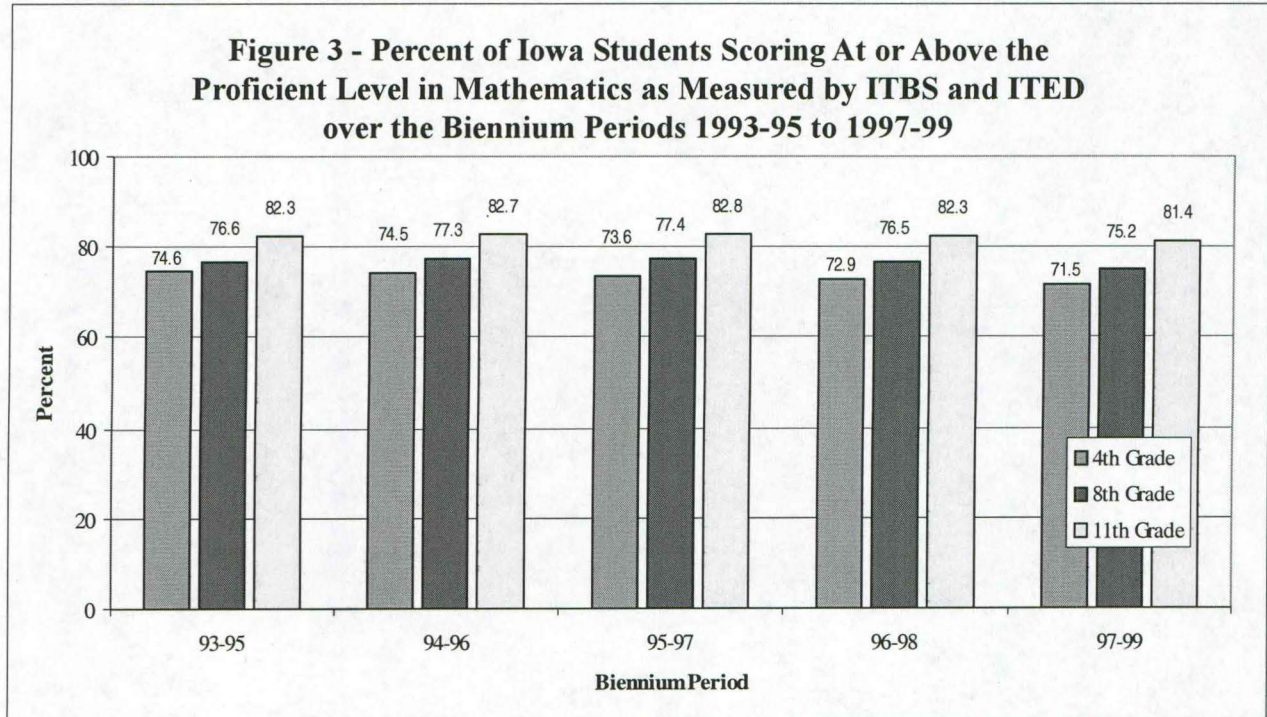
Note: Percentages represent two-year averages.



Source: Iowa Testing Programs, University of Iowa, 4th Grade, ITBS Reading Comprehension Test.  
 Iowa Testing Programs, University of Iowa, 8th Grade, ITBS Reading Comprehension Test.  
 Iowa Testing Programs, University of Iowa, 11th Grade, ITED Content Area Reading Score.

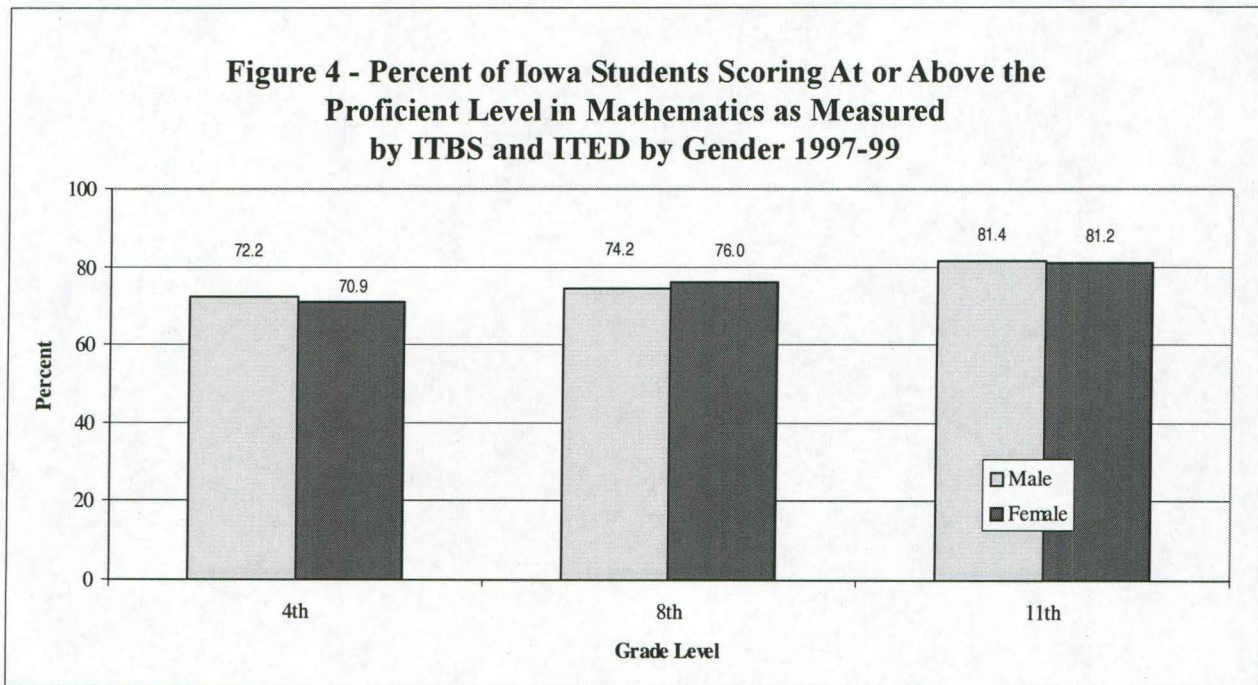
Note: Percentages represent two-year averages.

**Indicator 2:** Percentage of 4th, 8th, and 11th grade students achieving proficient or higher mathematics status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development and reported for gender, race, socio-economic status, and students with disabilities.



Source: Iowa Testing Programs, University of Iowa, 4th Grade, ITBS Mathematics Total Score.  
 Iowa Testing Programs, University of Iowa, 8th Grade, ITBS Mathematics Total Score.  
 Iowa Testing Programs, University of Iowa, 11th Grade, ITED Quantitative Thinking Test.

Note: Percentages represent two-year averages.



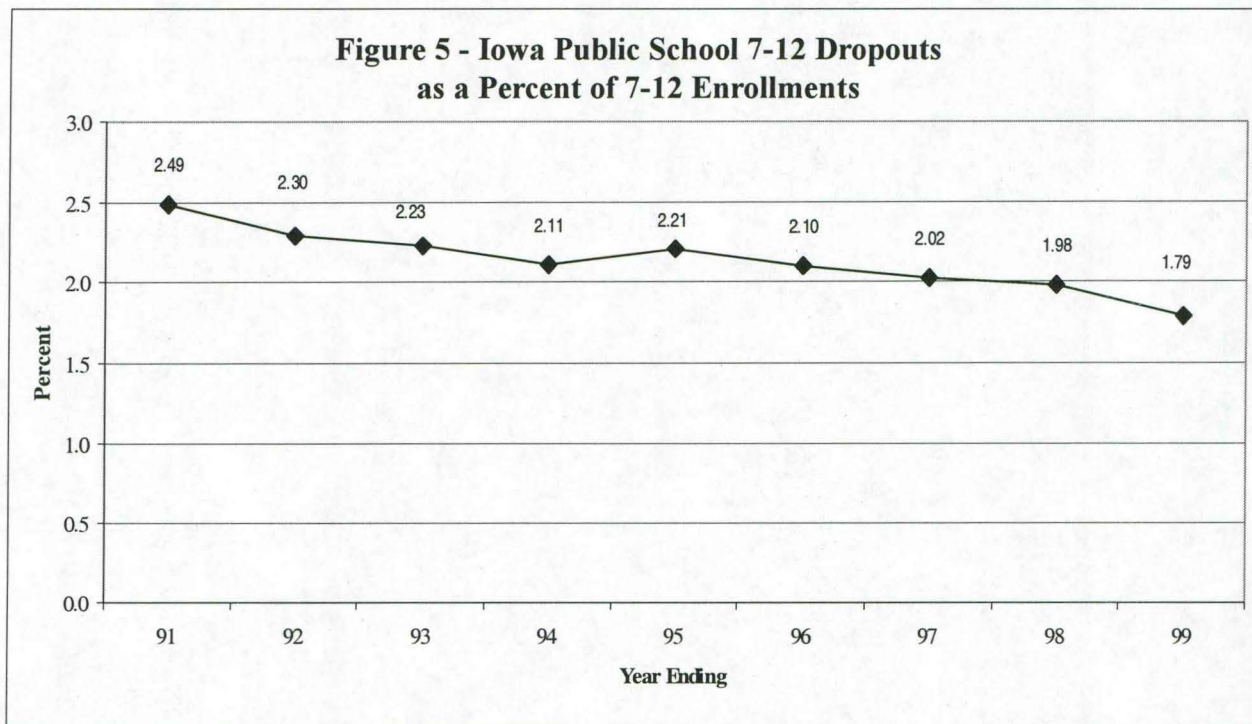
Source: Iowa Testing Programs, University of Iowa, 4th Grade, ITBS Mathematics Total Score.  
 Iowa Testing Programs, University of Iowa, 8th Grade, ITBS Mathematics Total Score.  
 Iowa Testing Programs, University of Iowa, 11th Grade, ITED Quantitative Thinking Test.

Note: Percentages represent two-year averages.

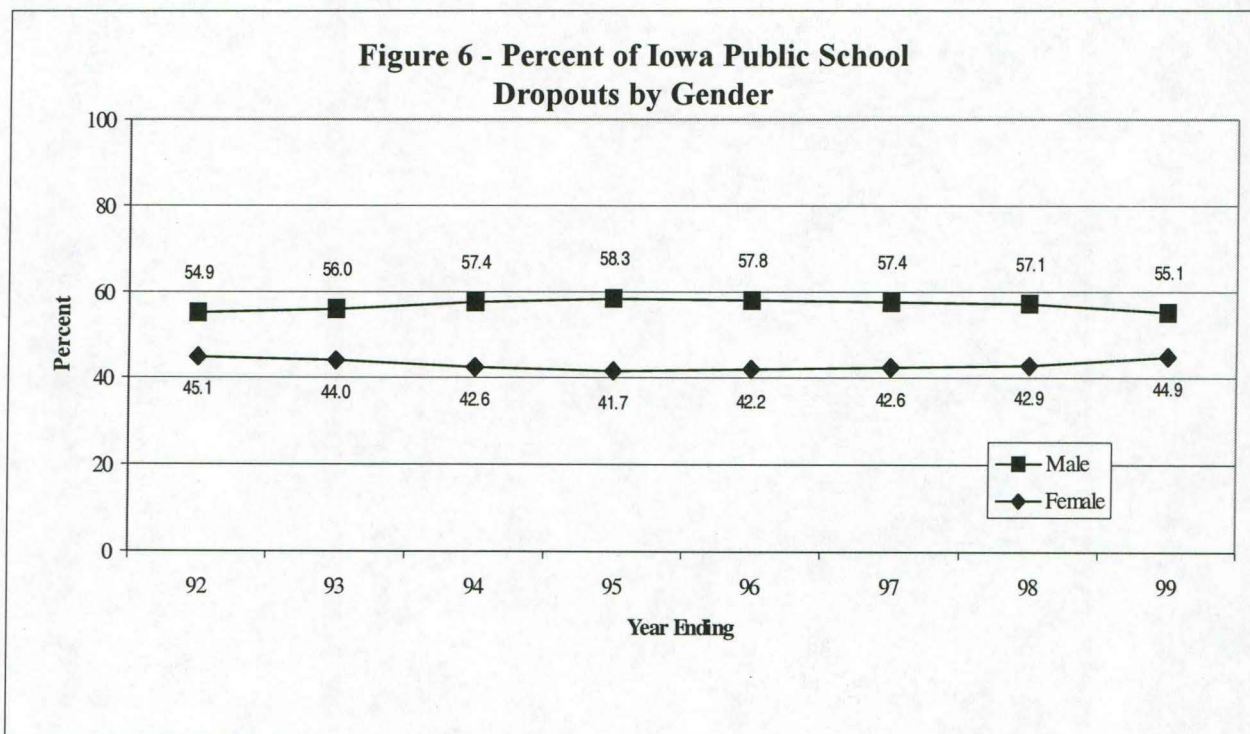
**Indicator 3:** Percentage of 8th and 11th grade students achieving proficient or higher science status using three achievement levels using the Iowa Tests of Basic Skills and the Iowa Tests of Educational Development.

Note: Science data not currently available.

**Indicator 4:** Percentage of students considered as dropouts for grades 7-12 reported by gender, race, and students with disabilities. Dropout rates will be reported until electronic student databases are available at the local and state level to permit the calculation of a statewide and local graduation rate.



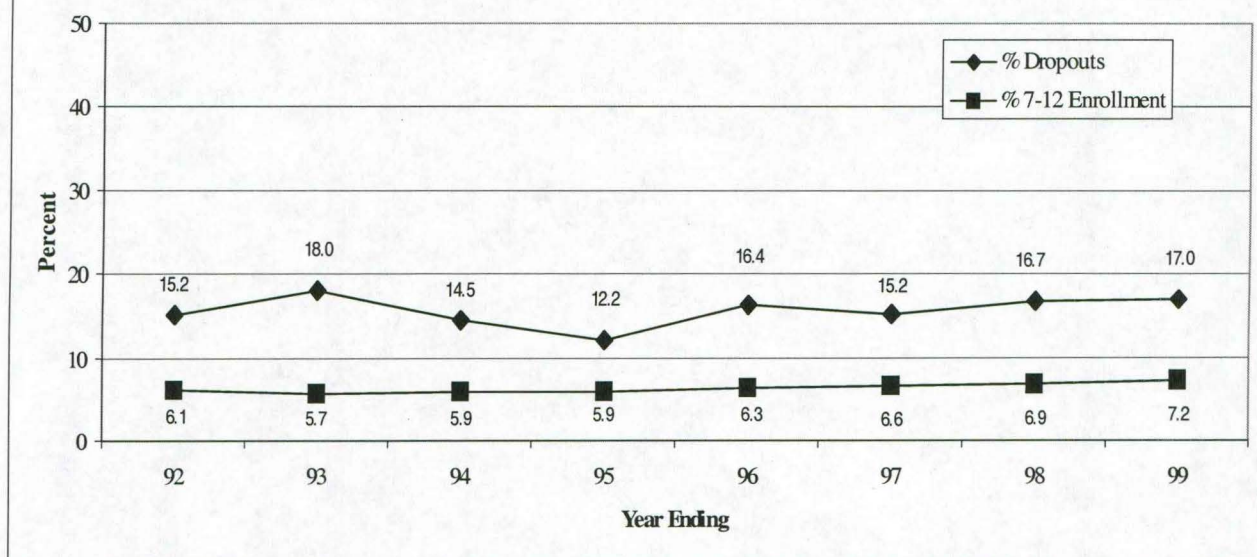
Source: Iowa Department of Education, Basic Educational Data Survey, Dropout Files.



Source: Iowa Department of Education, Basic Educational Data Survey, Dropout Files.

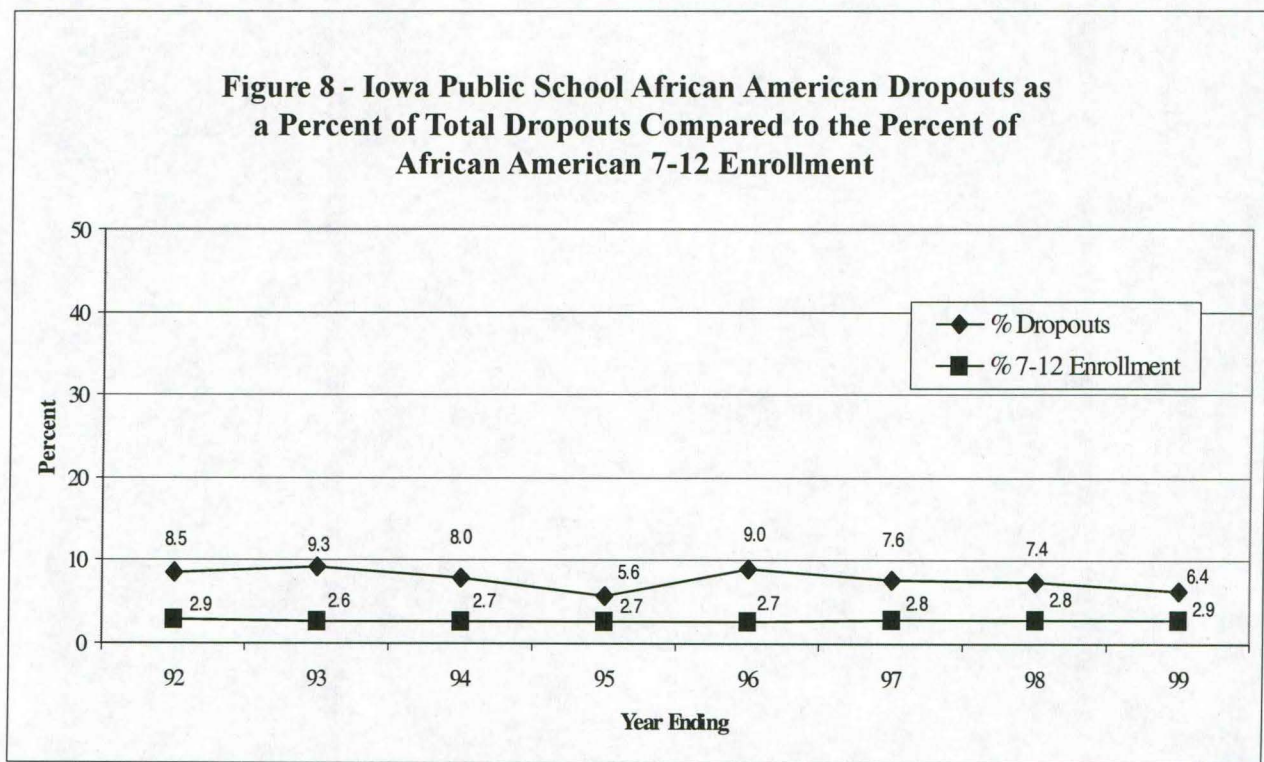


**Figure 7 - Iowa Public School Minority Dropouts as a Percent of Total Dropouts Compared to the Percent of Minority 7-12 Enrollment**



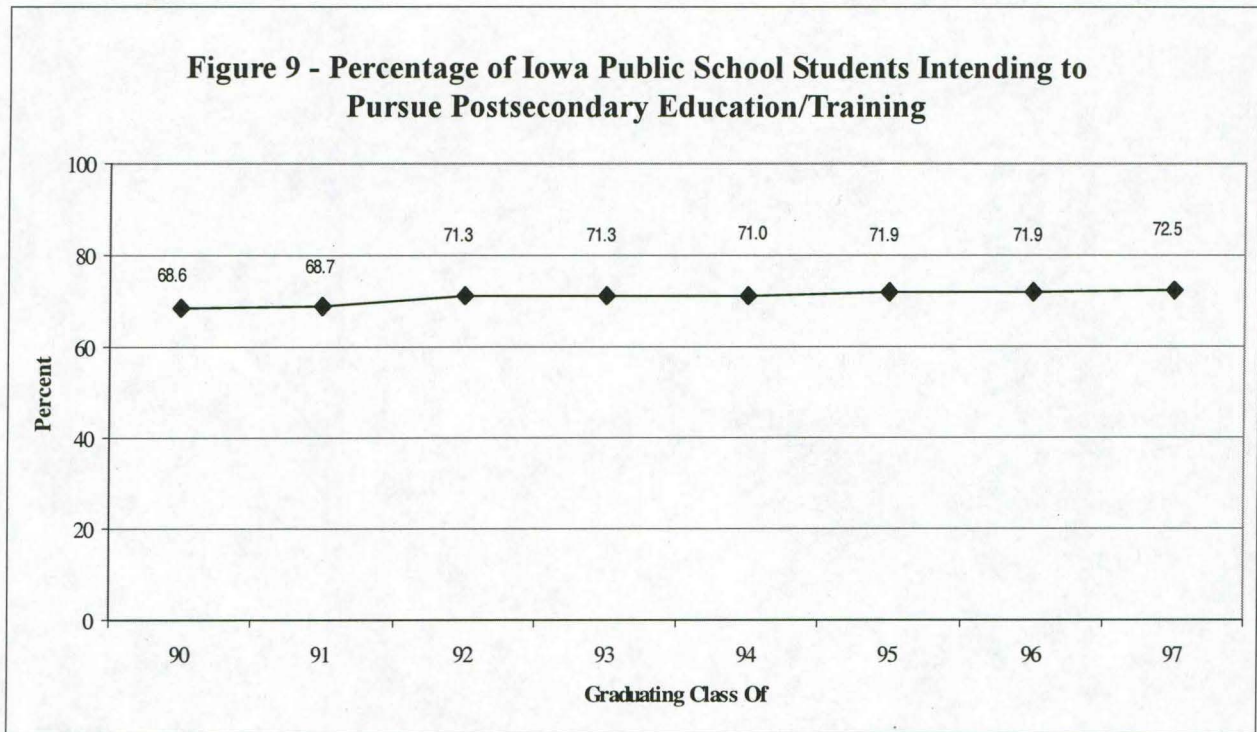
Source: Iowa Department of Education, Basic Educational Data Survey, Dropout Files.

**Figure 8 - Iowa Public School African American Dropouts as a Percent of Total Dropouts Compared to the Percent of African American 7-12 Enrollment**

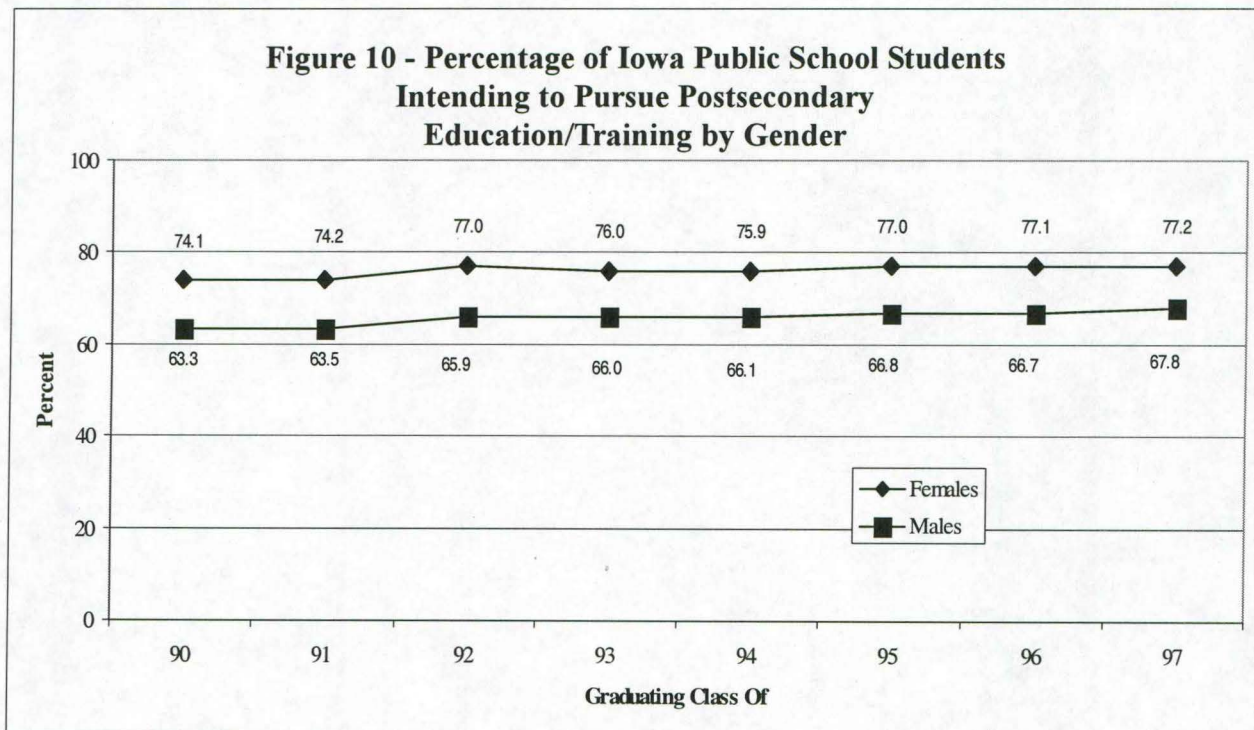


Source: Iowa Department of Education, Basic Educational Data Survey, Dropout Files.

**Indicator 5:** Percentage of high school graduates pursuing postsecondary education/training. Data will be reported for students with disabilities when electronic student databases are available at the local and state level. This is projected for the year 2001.

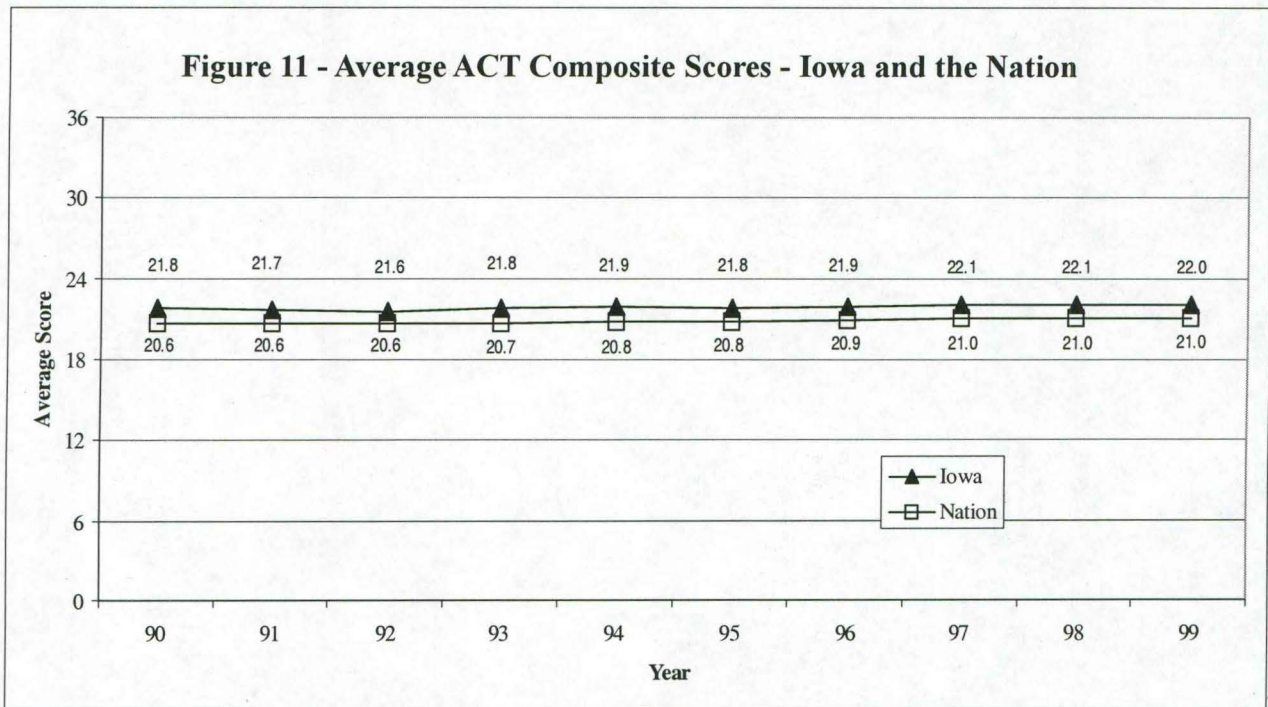


Source: Iowa Department of Education, Basic Educational Data Survey, Graduate Follow-Up Files.

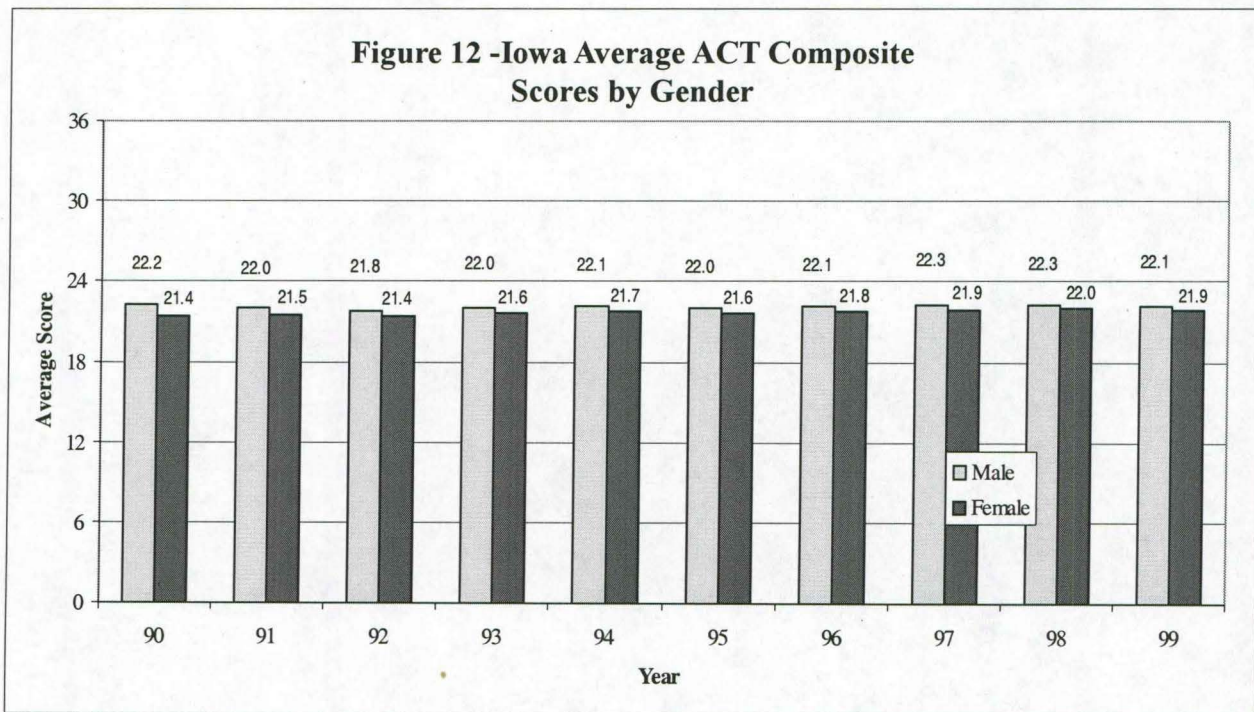


Source: Iowa Department of Education, Basic Educational Data Survey, Graduate Follow-Up Files.

**Indicator 6:** Percentage of students achieving an ACT score above the national average.



Source: American College Testing Program, ACT Assessment Results, Summary Report Iowa.



Source: American College Testing Program, ACT Assessment Results, Summary Report Iowa.

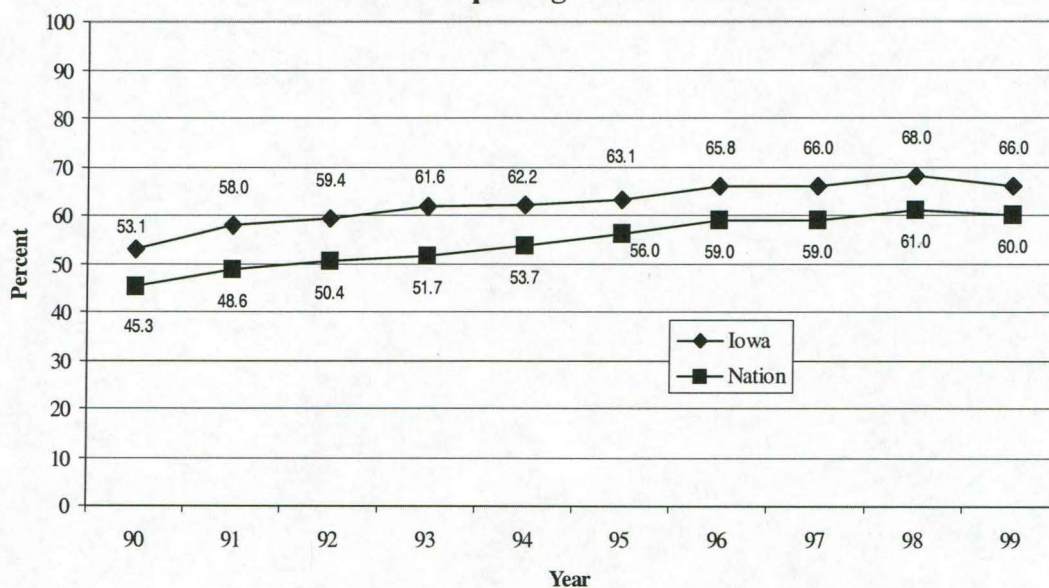
**Table 1 - Distribution of Iowa ACT Composite Scores**

| Score | 1991       |                         | Year<br>1994 |                         | 1999       |                         |
|-------|------------|-------------------------|--------------|-------------------------|------------|-------------------------|
|       | Percent At | Percent at<br>and Above | Percent At   | Percent at<br>and Above | Percent At | Percent at<br>and Above |
| ≤13   | 1.4        | 100.0                   | 1.5          | 100.0                   | 1.0        | 100.0                   |
| 14    | 1.8        | 98.6                    | 1.7          | 98.5                    | 1.9        | 99.0                    |
| 15    | 3.1        | 96.8                    | 3.1          | 97.0                    | 3.2        | 97.1                    |
| 16    | 4.6        | 93.7                    | 4.4          | 93.9                    | 4.3        | 93.5                    |
| 17    | 6.2        | 89.1                    | 5.9          | 89.5                    | 5.6        | 89.2                    |
| 18    | 7.6        | 82.9                    | 7.0          | 83.6                    | 7.1        | 83.6                    |
| 19    | 8.2        | 75.3                    | 7.7          | 76.6                    | 7.7        | 76.5                    |
| 20    | 8.8        | 67.1                    | 9.1          | 68.9                    | 8.5        | 68.8                    |
| 21    | 8.7        | 58.3                    | 9.2          | 59.8                    | 8.5        | 60.3                    |
| 22    | 8.6        | 49.6                    | 8.3          | 50.6                    | 8.4        | 51.8                    |
| 23    | 7.9        | 41.0                    | 7.9          | 42.3                    | 7.5        | 43.4                    |
| 24    | 6.9        | 33.1                    | 7.2          | 34.4                    | 7.3        | 35.9                    |
| 25    | 6.3        | 26.2                    | 6.3          | 27.2                    | 6.5        | 28.6                    |
| 26    | 5.2        | 19.9                    | 5.4          | 20.9                    | 5.6        | 22.1                    |
| 27    | 4.3        | 14.7                    | 4.4          | 15.5                    | 4.7        | 16.5                    |
| 28    | 3.2        | 10.4                    | 3.4          | 11.1                    | 3.7        | 11.8                    |
| 29    | 2.6        | 7.2                     | 2.6          | 7.7                     | 2.6        | 8.1                     |
| 30    | 1.9        | 4.6                     | 2.1          | 5.1                     | 2.2        | 5.5                     |
| 31    | 1.4        | 2.7                     | 1.4          | 3.0                     | 1.5        | 3.3                     |
| 32    | 0.6        | 1.3                     | 0.9          | 1.6                     | 1.0        | 1.8                     |
| 33    | 0.4        | 0.7                     | 0.5          | 0.7                     | 0.5        | 0.8                     |
| 34+   | 0.3        | 0.3                     | 0.2          | 0.2                     | 0.3        | 0.3                     |

Source: American College Testing Program, ACT Assessment Results, Summary Report Iowa.

Note: National average - 20.6 (1991), 20.8 (1994), 21.0 (1999).

**Indicator 7:** Percentage of students who report on the ACT the completion of a core program of four years of English and three or more years each of mathematics, science, and social studies courses.

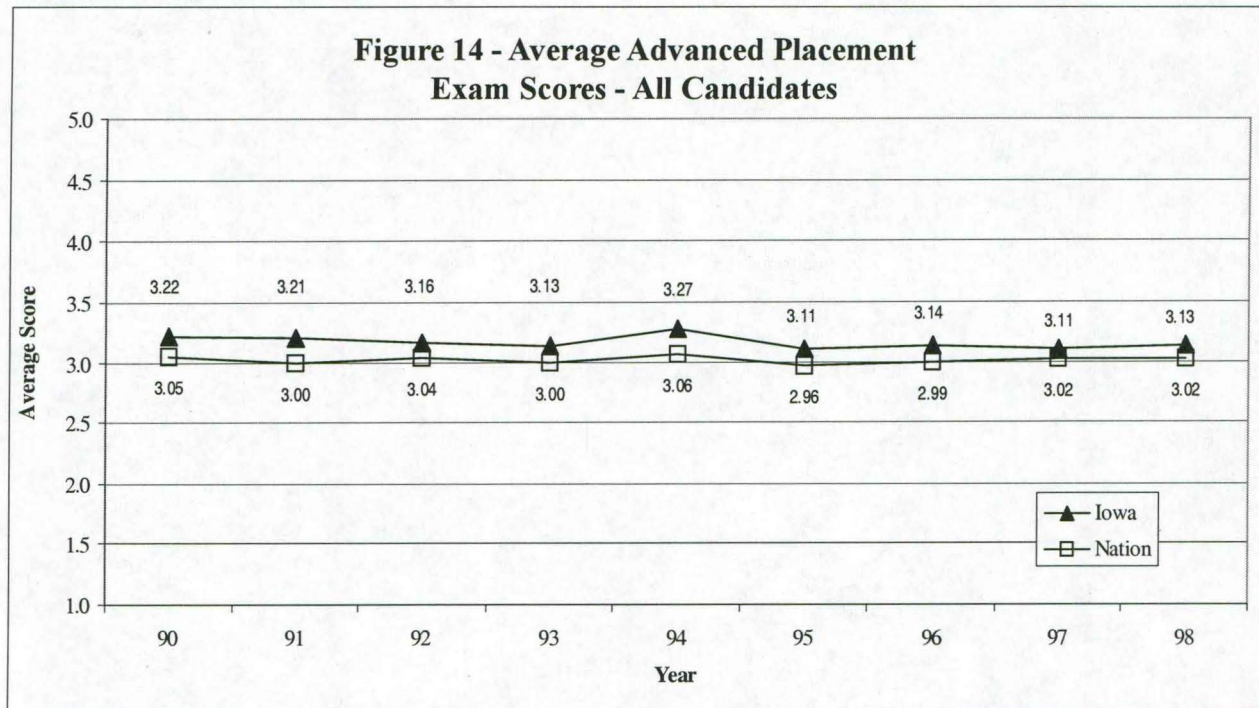
**Figure 13 - Percentage of Iowa ACT Test-takers  
Completing Core Curriculum**

Source: American College Testing Program, ACT Assessment Results, Summary Report Iowa.

**Indicator 8:** Percentage of students successfully employed in Iowa to be established at such time that a customer tracking information system is operational at the state level. Local school districts and accredited nonpublic schools are not required to report on this indicator.

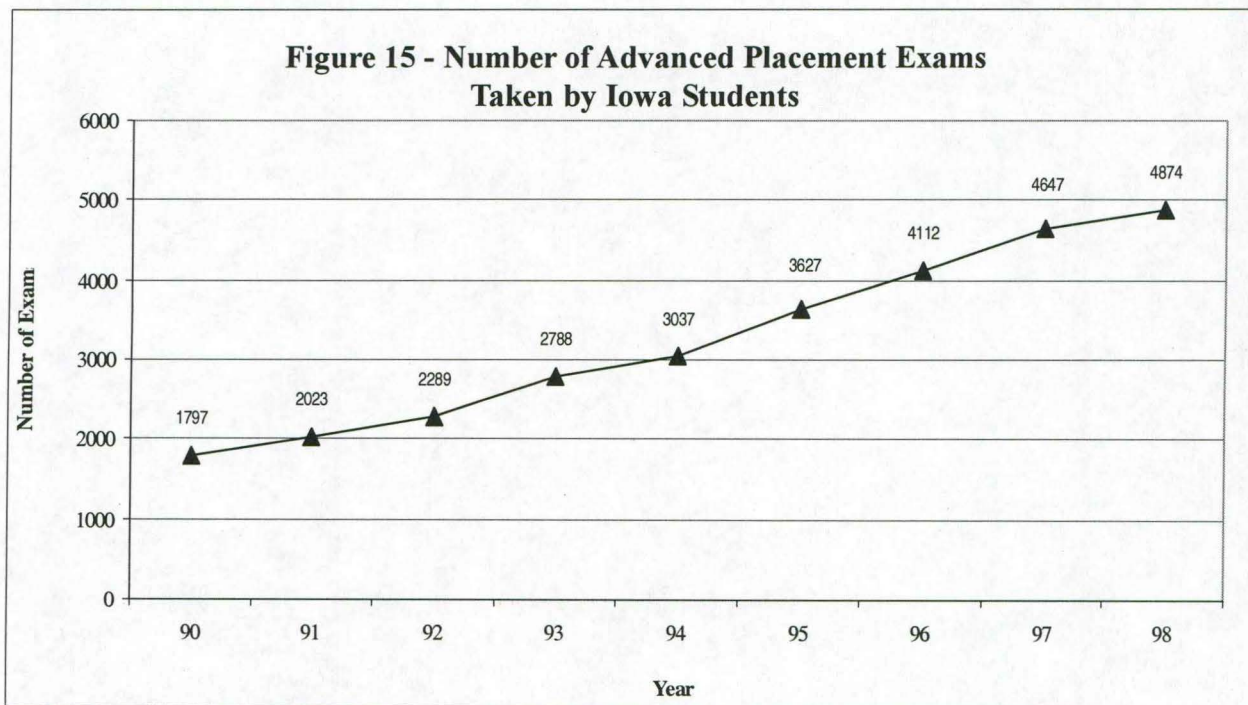
Note: No data currently available.

**Strategic Plan Goal:** The percentage of high school students achieving a score or status on a measure indicating probable postsecondary success.

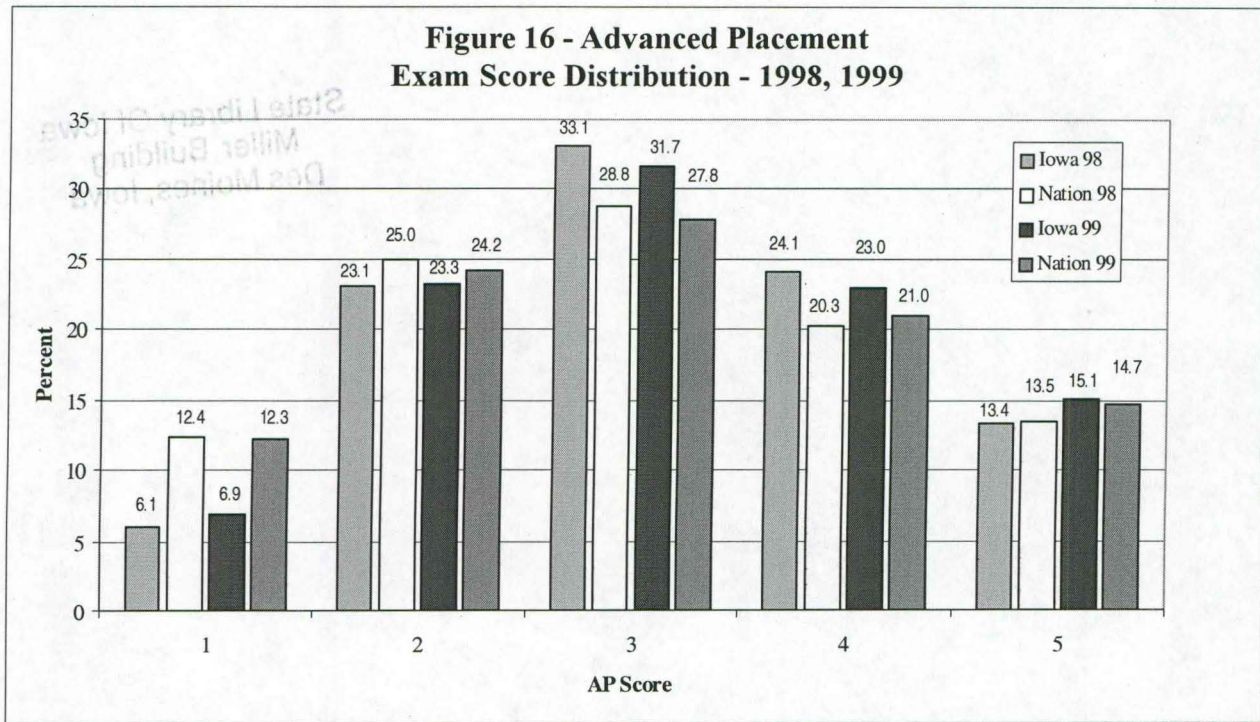


Source: The College Board, Advanced Placement Program, Iowa and National Summary Reports.

**AP Score Description:** 1 (carries no recommendation), 2 (possibly qualified), 3 (qualified), 4 (well qualified), 5 (extremely well qualified).



Source: The College Board, Advanced Placement Program, Iowa and National Summary Reports.



Source: The College Board, Advanced Placement Program, Iowa and National Summary Reports.

**AP Score Description:** 1 (carries no recommendation), 2 (possibly qualified), 3 (qualified), 4 (well qualified), 5 (extremely well qualified).

STATE LIBRARY OF IOWA



3 1723 02102 1910