



COLLEGE OF EDUCATION

Iowa Testing Programs
Iowa Statewide Testing Program

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Iowa City, Iowa 52242-1529
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www.education.uiowa.edu/itp

2009-2010

Dear Iowa Educator:

The *ITBS/ITED* results for your system for 2009-2010 are enclosed. If you sent more than one order for scoring, results for each of your separate orders will be shipped to you separately.

A copy of the leaflet "Score Reports and Norms" has been attached for use in interpreting score reports. This leaflet is also available on our website (www.education.uiowa.edu/itp). If you are the test coordinator for your school system, please distribute copies of the leaflet to your district and building administrators.

Please be sure that all individuals who receive test scores and who have responsibility for interpreting them—administrators, counselors, teachers, parents, and students—are informed about the types of scores and norms you have selected for reporting. The interpretive guides contain descriptions, explanations, and illustrations that can support your use of the test results. Interpretive guides—for teachers and counselors and for school administrators—for Forms A and B are available for all grade levels. Please call us if you need copies.

Please let us know if you have questions about the reports you have just received.

Sincerely,

Catherine Welch
Iowa Testing Programs
Phone: (319) 335-6274

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Attachment

2009-2010

2009-2010

Score Reports and Norms

Iowa Statewide Testing Program

2009-2010 Norms

The Iowa norms used in 2009-10 are the same as those used last year. These 2003 Iowa student and school norms were developed based on student performance in 2001-02 and 2002-03. Information about how the 2001 and 2003 Iowa norms differ can be found on our website (www.education.uiowa.edu/itp).

The national norms used in 2009-10 are the same as those used last year. These 2000 national student and school norms were developed based on student performance in the spring, midyear, and fall of 2000.

Achievement Trends in Iowa

Achievement Levels Trends

The biennium summaries of Iowa achievement data in Tables 1 and 2 show statewide performance trends in reading and mathematics on the *Iowa Tests of Basic Skills* for grades 4 and 8 and on the *Iowa Tests of Educational Development* for grade 11. These summaries describe changes in achievement each year using two-year averages rather than averages from a single year.

The achievement levels—Low Performance, Intermediate Performance, and High Performance—are defined by descriptions that appear on the back side of the Achievement Levels Reports.

Table 1
Percent of Iowa Students Scoring
in Each Achievement Level—
Mathematics

Biennium*	Iowa Achievement Level		
	Low	Intermediate	High
Grade 4			
2007-09	19.9	55.8	24.3
2006-08	19.5	56.1	24.4
2005-07	19.4	56.6	24.0
2004-06	20.0	57.0	23.1
2003-05	21.2	57.2	21.6
2002-04	23.2	56.5	20.3
2001-03	25.0	56.3	18.7
2000-02	27.7	56.4	16.0
1999-01	28.4	55.8	15.6
1998-00	29.0	55.6	15.4
1997-99	28.5	56.1	15.4
1996-98	27.1	56.7	16.2
1995-97	26.4	57.0	16.6
1994-96	25.5	57.4	17.1
1993-95	25.4	57.6	17.0
Grade 8			
2007-09	24.0	56.4	19.6
2006-08	24.2	56.6	19.3
2005-07	24.4	56.7	18.8
2004-06	25.2	56.6	18.2
2003-05	26.4	56.2	17.6
2002-04	27.8	55.2	17.0
2001-03	28.5	54.8	16.8
2000-02	26.9	56.5	16.6
1999-01	26.4	56.8	16.8
1998-00	25.9	56.9	17.2
1997-99	25.0	57.4	17.8
1996-98	23.6	58.3	18.2
1995-97	22.6	58.8	18.6
1994-96	22.7	59.1	18.2
1993-95	23.4	59.1	17.5
Grade 11			
2007-09	22.7	56.0	21.4
2006-08	22.0	56.1	21.9
2005-07	21.6	56.0	22.4
2004-06	21.6	56.1	22.4
2003-05	21.6	56.3	22.1
2002-04	21.5	56.4	22.2
2001-03	20.8	56.2	23.0
2000-02	18.6	54.4	26.9
1999-01	20.4	53.4	26.2
1998-00	19.9	53.7	26.4
1997-99	18.6	54.0	27.4
1996-98	17.8	54.1	28.2
1995-97	17.2	54.6	28.2
1994-96	17.2	55.1	27.6
1993-95	17.7	55.9	26.4

* Each biennium is two consecutive school years. Table entries in each row are percentages of students for that biennium.

Table 2
Percent of Iowa Students Scoring
in Each Achievement Level—
Reading Comprehension

Biennium*	Iowa Achievement Level		
	Low	Intermediate	High
Grade 4			
2007-09	20.8	57.8	21.4
2006-08	21.1	58.0	20.9
2005-07	21.0	57.8	21.2
2004-06	21.5	57.8	20.6
2003-05	22.1	57.8	20.2
2002-04	23.3	57.1	19.6
2001-03	24.2	56.9	19.0
2000-02	31.0	53.8	15.2
1999-01	32.2	53.6	14.2
1998-00	32.4	53.4	14.3
1997-99	31.4	53.7	14.9
1996-98	30.2	54.0	15.8
1995-97	29.4	54.5	16.1
1994-96	28.8	54.8	16.5
1993-95	28.4	54.6	16.8
Grade 8			
2007-09	27.2	57.2	15.6
2006-08	27.5	56.9	15.6
2005-07	27.8	56.6	15.7
2004-06	28.6	56.0	15.4
2003-05	29.4	55.2	15.4
2002-04	30.6	54.2	15.2
2001-03	30.6	54.0	15.3
2000-02	30.6	55.0	14.4
1999-01	30.7	56.1	13.2
1998-00	30.2	56.1	13.6
1997-99	28.7	56.6	14.2
1996-98	27.8	57.5	14.6
1995-97	26.8	58.0	15.2
1994-96	26.6	58.1	15.2
1993-95	26.4	58.3	15.2
Grade 11			
2007-09	23.2	58.9	17.9
2006-08	23.2	58.4	18.4
2005-07	23.0	58.4	18.6
2004-06	23.2	57.8	19.0
2003-05	23.2	58.0	19.0
2002-04	23.2	57.8	19.0
2001-03	23.0	57.8	19.2
2000-02	22.9	58.5	18.6
1999-01	25.2	57.0	17.8
1998-00	25.0	57.0	18.1
1997-99	23.7	57.4	19.0
1996-98	22.4	57.6	20.0
1995-97	21.7	57.8	20.6
1994-96	21.6	58.2	20.3
1993-95	20.9	59.1	20.0

* Each biennium is two consecutive school years. Table entries in each row are percentages of students for that biennium.

Iowa-National Differences

Overall Performance

The norms differences discussed in this section are based on national performance in 2000 (from the national standardization) and Iowa performance in 2001-2002. Although Iowa norms can be updated annually, as needed, national norms are only updated about every 7-8 years when new test forms become available. Thus, Iowa-national comparisons like those reported here are most appropriate to make when both norm groups have been tested at about the same point in time without prior experience with the tests. If achievement in Iowa or in the nation changes in noticeable ways in subsequent years, the differences shown in this section will be a less adequate representation of how Iowa and national students differ at that future time.

The achievement of Iowa students continues to compare favorably with that of students in the nation as a whole. Table 3 shows how Iowa and national students compare on the Core Total score. (The Core Total is the average of the standard scores for Reading Total, Language Total, and Math Total.) Selected national percentile rank ranges are listed in the first column, and the second column shows the percent of students nationally who obtained scores in each range. In the next columns, the percent of Iowa students obtaining scores in each of the ranges is shown separately for each of grades 3-8. The last column shows the average percent across grades 3-8.

Table 3
Percents of 2001-02 Iowa Students Performing Within Selected
National Student Percentile Rank Ranges—Core Total Scores

National %-ile Ranks	National Percent	Grade						Avg 3-8
		3	4	5	6	7	8	
90-99	10	18	19	18	15	15	16	17
75-90	15	20	21	21	19	19	19	20
50-75	25	27	28	29	28	28	27	28
25-50	25	22	21	21	23	22	23	22
10-25	15	10	8	8	10	11	10	9
1-10	10	3	3	3	5	5	5	4
% Above National Median		65	68	68	62	62	62	65
% Below National Median		35	32	32	38	38	38	35

On the average for grades 3-8, 17% of Iowa students scored in the top 10% nationally, 20% scored in the next 15% (NPR 75-89), etc. Overall, 65% of Iowa students scored in the top half nationally (above the median) and only 35% scored in the bottom half nationally.

Table 4 shows similar comparisons for grades 9-11. (The number of students tested in Iowa in grade 12 is too small to warrant inclusion in this comparison.) The figures for the high school grades are comparable to those for grades 3-8; approximately two-thirds of Iowa high school students score in the top half of students nationally. About a third of the Iowa students in grades 9-11 score in the lower half nationally.

Table 4
 Percents of 2001-02 Iowa Students Performing Within Selected
 National Student Percentile Rank Ranges—Core Total Scores

National %-ile Ranks	National Percent	Grade			Avg 9-11
		9	10	11	
90-99	10	16	16	21	18
75-90	15	21	19	21	20
50-75	25	28	29	28	28
25-50	25	21	23	21	22
10-25	15	10	9	6	8
1-10	10	4	4	3	4
% Above National Median		65	64	70	66
% Below National Median		35	36	30	34

The last time Iowa-national differences were obtained was in 1993-94 when Forms K and L of the Iowa Tests were first used in Iowa schools. This was one year after the 1992 national standardization. The differences obtained and reported then have been displayed below in Table 5 for selected grades 4, 6, and 8, and the average over grades 3-8 is shown in the last column. The figures shown above in Table 4 have been placed in Table 5 as well (shaded) to permit ease of comparison of the differences from 1993-94 and 2001-02. It is clear from the columns of averages that the differences across grades 3-8 are nearly identical after eight intervening years. However, it is also somewhat apparent that performance in grades 3-5 in Iowa has improved more than it has in the nation; the opposite is true for grades 6-8. On the average, though, differences in performance across the six grades are about the same.

Table 5
 Comparison of the Percents of Iowa Students Performing Within Selected
 National Student Percentile Rank Ranges: Core Total Scores for 1993-94 vs. 2001-02

Percentile Ranks	National Percent	Grade 4		Grade 6		Grade 8		Avg 3-8	
		1993-94	2001-02	1993-94	2001-02	1993-94	2001-02	1993-94	2001-02
90-99	10	16	19	17	15	18	16	16	17
75-90	15	20	21	21	19	20	19	21	20
50-75	25	28	28	29	28	30	27	29	28
25-50	25	22	21	20	23	20	23	21	22
10-25	15	10	8	9	10	8	10	9	9
1-10	10	4	3	4	5	4	5	4	4
Percent Above National Median		64	68	67	62	68	62	66	65
Percent Below National Median		36	32	33	38	32	38	34	35

A similar comparison is shown in Table 6 for grades 9-11. In all three grades, Iowa students performed less well relative to their national peers in 2001-02 compared to 1993-94. This is more apparent in grades 9 and 10 and less so in grade 11. Across the grades, seven percent fewer of Iowa students in grades 9-11 are above the national median now compared to eight years ago.

Table 6
Comparison of the Percents of Iowa Students Performing Within Selected
National Student Percentile Rank Ranges: Core Total Scores for 1993-94 vs. 2001-02

Percentile Ranks	National Percent	Grade 9		Grade 10		Grade 11		Avg 9-11	
		1993-94	2001-02	1993-94	2001-02	1993-94	2001-02	1993-94	2001-02
90-99	10	23	16	21	16	24	21	23	18
75-90	15	22	21	23	19	22	21	22	20
50-75	25	28	28	29	29	28	28	28	28
25-50	25	18	21	18	23	18	21	18	22
10-25	15	7	10	7	9	6	6	7	8
1-10	10	2	4	2	4	2	3	2	4
Percent Above National Median		73	65	73	64	74	70	73	66
Percent Below National Median		27	35	27	36	26	30	27	34

Performance on Each Test

Differences between the performance of Iowa students and national students also can be examined for each test in the batteries at the separate grade levels. These differences indicate (a) how much higher the typical Iowa student has achieved than the typical national student, (b) how performance of Iowa students is different or similar from grade to grade, and (c) which test areas might be considered relative strengths or relative weaknesses for Iowa students.

Table 7 shows the median national percentile rank obtained by Iowa students in 2001-02 in each test area of the *ITBS*. For example, the 64 for grade 3 Vocabulary means that the typical Iowa third-grade student obtained a Vocabulary score that was higher than the scores of 64 percent of grade 3 students nationally. Each number in the table shows the percent of Iowa students that scored in the top half among students nationally. For all grades and all tests, more than half of the Iowa students scored in the top half nationally. The values in this table are based on approximately 36,000 students per grade.

Table 7
Median Performance of 2001-02 Iowa Students in Terms of
National Percentile Ranks: Grades 3-8

Grade	Voc	Read	Spell	Cap	Punc	Use	Con	Prob	Comp	Core	S St	Sc	Maps	Ref	Comp
3	64	64	56	64	65	69	60	62	57	65	66	67	72	67	67
4	61	64	60	68	65	67	64	65	56	67	67	67	71	68	67
5	64	65	60	70	66	66	61	64	52	66	67	68	68	67	68
6	54	59	55	62	62	59	59	60	54	61	62	66	66	63	63
7	56	60	55	64	61	58	59	62	55	61	63	66	65	61	63
8	56	59	54	67	61	60	61	62	54	62	60	63	67	61	62
Mdn	58	62	56	66	64	63	60	62	54	64	64	66	68	65	65

The last row of Table 7 shows the median performance across the six grades for each test. These values can be used to see which grades are performing highest and lowest among the six. Generally, the scores for grades 3-5 are higher than those for grades 6-8. None of the grade groups stands out as exceedingly high or low relative to the others.

The row of medians also can be used to identify test areas of greatest strength and weakness for each grade. Across all six grades, spelling (56) and math computation (54) are the weakest areas of performance; maps and diagrams (68), science (66), and capitalization (66) appear to be the strongest areas. For grades 3-5, additional areas of strength are in language (punctuation and usage/expression) and reference materials. For grades 6-8, vocabulary is an additional area of weakness.

Table 8 shows the median national percentile rank obtained by Iowa students from grades 9-11 in 2001-02 in each test area of the *ITED*. For example, the 56 for grade 9 Vocabulary means that the typical Iowa grade 9 student obtained a Vocabulary score that was higher than the scores of 56 percent of grade 9 students nationally. Each number in the table shows the percent of Iowa students that scored in the top half among students nationally. For all three grades and all tests, more than half of the Iowa students scored in the top half nationally. The values in this table are based on approximately 34,000 Iowa students in grades 9 and 11 and 22,000 Iowa students in grade 10.

Table 8
Median Performance of 2001-02 Iowa Students in Terms of
National Percentile Ranks: Grades 9-11

Grade	Voc	Read	Spell	Lang	Math	Comp	Core	S St	Sc	S Inf	Comp
9	56	59	56	61	68	57	64	61	66	61	63
10	56	60	51	58	65	51	63	61	63	62	64
11	58	66	53	64	71	57	69	70	72	69	71
Mdn	56	60	53	61	68	57	64	61	66	62	64

The last row of Table 8 shows the median performance across the three grades for each test. These values can be used to see whether any of the grades is performing highest or lowest among the three. Generally, the scores for grade 11 are higher than those for grades 9 and 10.

The row of medians also can be used to identify test areas of greatest strength and weakness for each grade. Across all three grades, spelling (53), vocabulary (56), and math computation (57) are the weakest areas of performance; math concepts and problems (68) and science (66) appear to be the strongest areas.