

# Iowa Assessments Profile Report: College Readiness

Iowa Graduating Class 2017



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Part 1:  
Iowa Assessments Results:  
Iowa Students, Grade 11

**Table 1: Summary Statistics for Grade 11 Students on Iowa Assessment Tests**

	Overall		
Content Area	Mean	SD	N
<b>Reading</b>	285.18	36.69	36522
<b>Written Expression</b>	291.72	41.50	18321
<b>Mathematics</b>	296.71	34.39	36524
<b>Science</b>	294.85	43.16	36485

Table 1 shows the means, standard deviations, and sample sizes for scores on the Grade 11 Iowa Assessments.

**Table 2: Summary Statistics for Grade 11 Students on Iowa Assessment Tests by Gender**

	Female			Male		
Content Area	Mean	SD	N	Mean	SD	N
<b>Reading</b>	287.14	34.51	17878	283.30	38.58	18644
<b>Written Expression</b>	300.03	38.36	8886	283.89	42.80	9435
<b>Mathematics</b>	296.94	33.02	17868	296.49	35.66	18656
<b>Science</b>	294.79	40.91	17846	294.90	45.22	18639

Table 2 shows the means, standard deviations, and sample sizes for scores on the Grade 11 Iowa Assessments by gender.

**Table 3: Summary Statistics for Grade 11 Students on Iowa Assessment Tests by Race**

Content Area	Asian			Black / African American			Hispanic / Latino			White		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
<b>Reading</b>	283.44	40.28	883	257.38	35.11	1764	269.04	35.22	3055	288.90	35.53	29642
<b>Written Expression</b>	300.50	44.10	382	258.18	40.36	641	272.54	40.51	1170	294.52	40.48	15637
<b>Mathematics</b>	303.83	37.24	885	267.25	31.91	1769	279.66	32.66	3063	300.45	33.08	29626
<b>Science</b>	295.86	46.13	885	258.38	39.56	1766	273.94	40.87	3058	299.63	41.70	29601

Table 3 shows the means, standard deviations, and sample sizes for scores on the Grade 11 Iowa Assessments by race.

**Table 4: Summary Statistics for Grade 11 Students on Iowa Assessment Tests for Students in the Free/Reduced Lunch Program (FRL) and Students not in the Program (Non-FRL)**

Content Area	FRL			Non-FRL		
	Mean	SD	N	Mean	SD	N
<b>Reading</b>	269.12	35.48	11828	292.87	34.72	24694
<b>Written Expression</b>	271.19	40.28	4886	299.19	39.36	13435
<b>Mathematics</b>	279.33	33.17	11834	305.04	31.75	24690
<b>Science</b>	275.23	41.46	11806	304.24	40.74	24679

Table 4 shows the means, standard deviations, and sample sizes for Grade 11 Iowa Assessments content area scores by FRL (i.e., Students in the Free/reduced lunch program and students not in the Free/reduced lunch program).

# Part 2:

## College Readiness and Iowa Students

Figure 1 shows the percentage of examinees that met or exceeded the college readiness benchmark score on each of the four Iowa Assessment tests.

Figures 2-9 show the percentage of examinees grouped by gender, FRL, and race that met or exceeded the college readiness benchmark score on each of the four Iowa Assessment tests.

Figures 10-11 show the percentage of examinees grouped by gender, FRL, and race that met or exceeded the college readiness benchmark scores on all four of the Iowa Assessment tests.

Grade 11 students of ethnicities other than those represented in these results also took the Iowa Assessments (e.g., those of Native American background). However, the numbers of those students were too small to report their performance as a group.

**Table 5: Iowa Assessment Benchmark Scores**

	<b>Iowa Assessment Score</b>
<b>Reading</b>	303
<b>English</b>	293
<b>Mathematics</b>	312
<b>Science</b>	321

Table 5 shows the Iowa Assessment Benchmarks.

**Table 6: Iowa Assessment Score Distribution for Students**

IOWA ASSESSMENT SCORES	WRITTEN EXPRESSION		READING		MATHEMATICS		SCIENCE	
	N	CP	N	CP	N	CP	N	CP
361-Above	106	100.00	279	100.00	362	100.00	1595	100.00
351-360	730	99.42	587	99.24	389	99.01	2873	95.63
341-350	1375	95.44	833	97.63	1203	97.94	1872	87.75
331-340	1829	87.93	2568	95.35	3531	94.65	2089	82.62
321-330	1371	77.95	2925	88.32	5464	84.98	3300	76.90
311-320	1247	70.47	1527	80.31	4942	70.02	2346	67.85
301-310	1854	63.66	3289	76.13	3876	56.49	2427	61.42
291-300	1646	53.54	3214	67.12	2732	45.88	3662	54.77
281-290	1452	44.56	4458	58.32	1388	38.40	2420	44.73
271-280	1355	36.63	5141	46.11	2721	34.60	3625	38.10
261-270	1115	29.23	4204	32.04	3968	27.15	2381	28.16
251-260	692	23.15	1768	20.53	2395	16.29	2290	21.64
241-250	992	19.37	1698	15.69	1075	9.73	1113	15.36
231-240	937	13.96	1441	11.04	857	6.78	1926	12.31
221-230	599	8.84	682	7.09	666	4.44	789	7.03
211-220	469	5.57	579	5.22	478	2.61	0	4.87
201-210	316	3.01	489	3.64	272	1.31	1052	4.87
191-200	137	1.29	612	2.30	135	0.56	350	1.99
181-190	57	0.54	138	0.62	50	0.19	279	1.03
171-180	15	0.23	61	0.25	15	0.05	86	0.26
161-170	15	0.15	20	0.08	4	0.01	7	0.03
151-160	12	0.07	6	0.02	1	0.00	3	0.01
141-150	0	0.00	3	0.01	0	0.00	0	0.00
<b>TOTAL N</b>	18321		36522		36524		36485	
<b>MEAN (SD)</b>	291.72	(41.50)	285.18	(36.69)	296.71	(34.39)	294.85	(43.16)

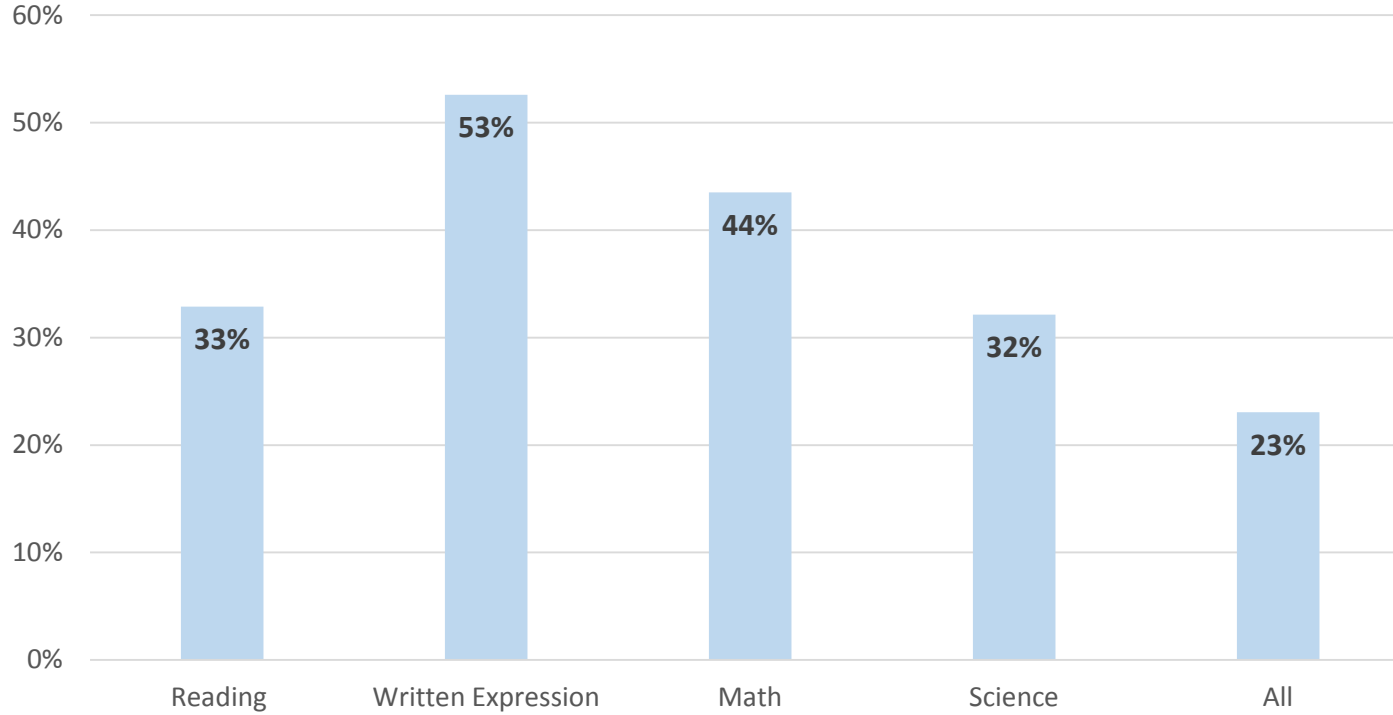
Table 6 shows the score distributions of the students who took the Iowa Assessments. The yellow bars highlight the interval that contains the benchmark cut-score for college readiness.

\*Intervals containing a college readiness benchmark are displayed using obtainable scores in Table 5.

\*\*Written expression subtest is not required by all districts.



**Figure 1: Percent of Iowa Students who met or exceeded College Readiness Benchmarks**



Iowa Assessments  
Reading  
Benchmark = 303

Iowa Assessments  
Written  
Expression  
Benchmark = 293

Iowa Assessments  
Mathematics  
Benchmark = 312

Iowa Assessments  
Science  
Benchmark = 321

**Figure 2: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Reading**

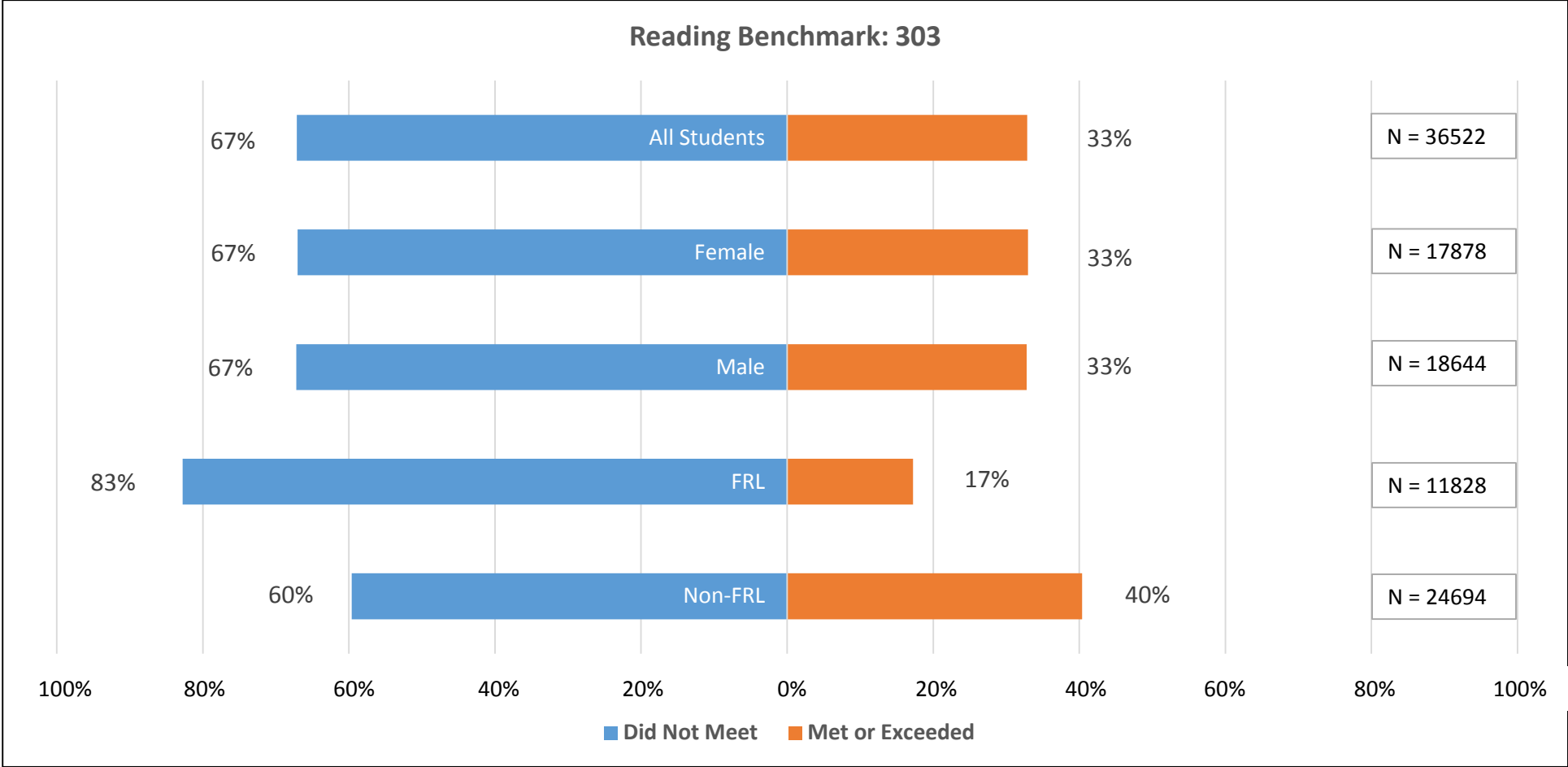


Figure 3: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Reading

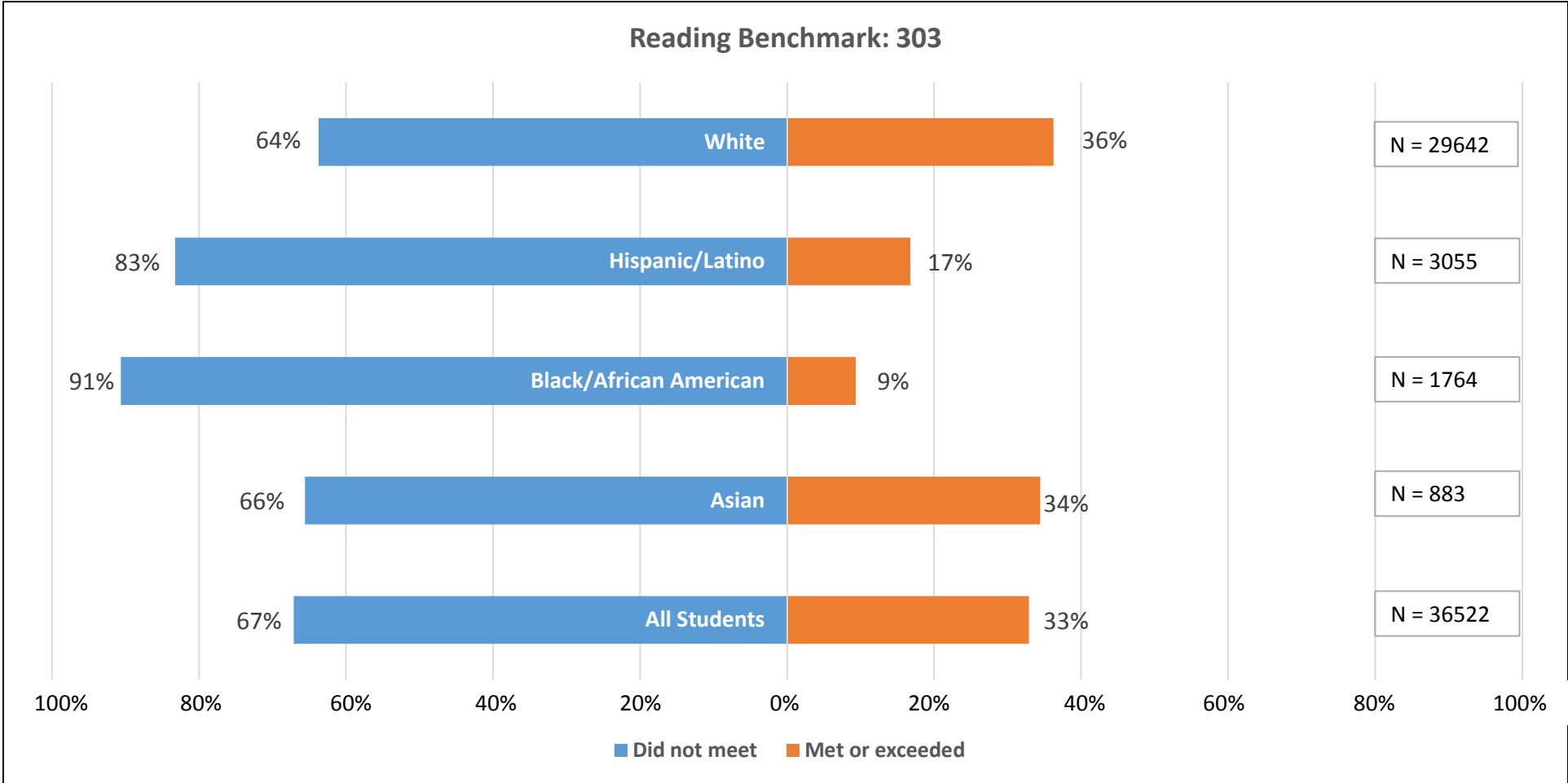


Figure 4: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Written Expression

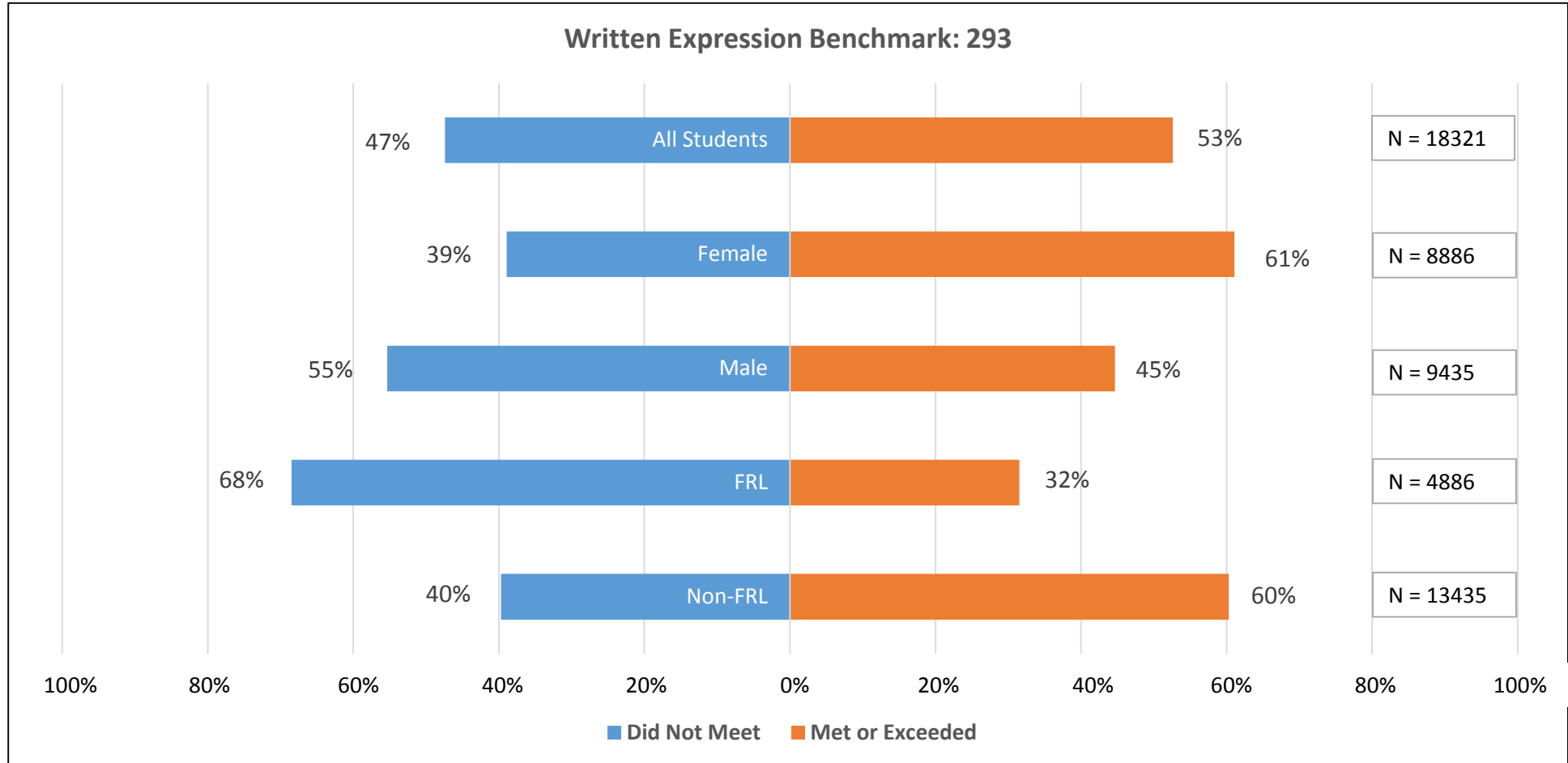


Figure 5: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Written Expression

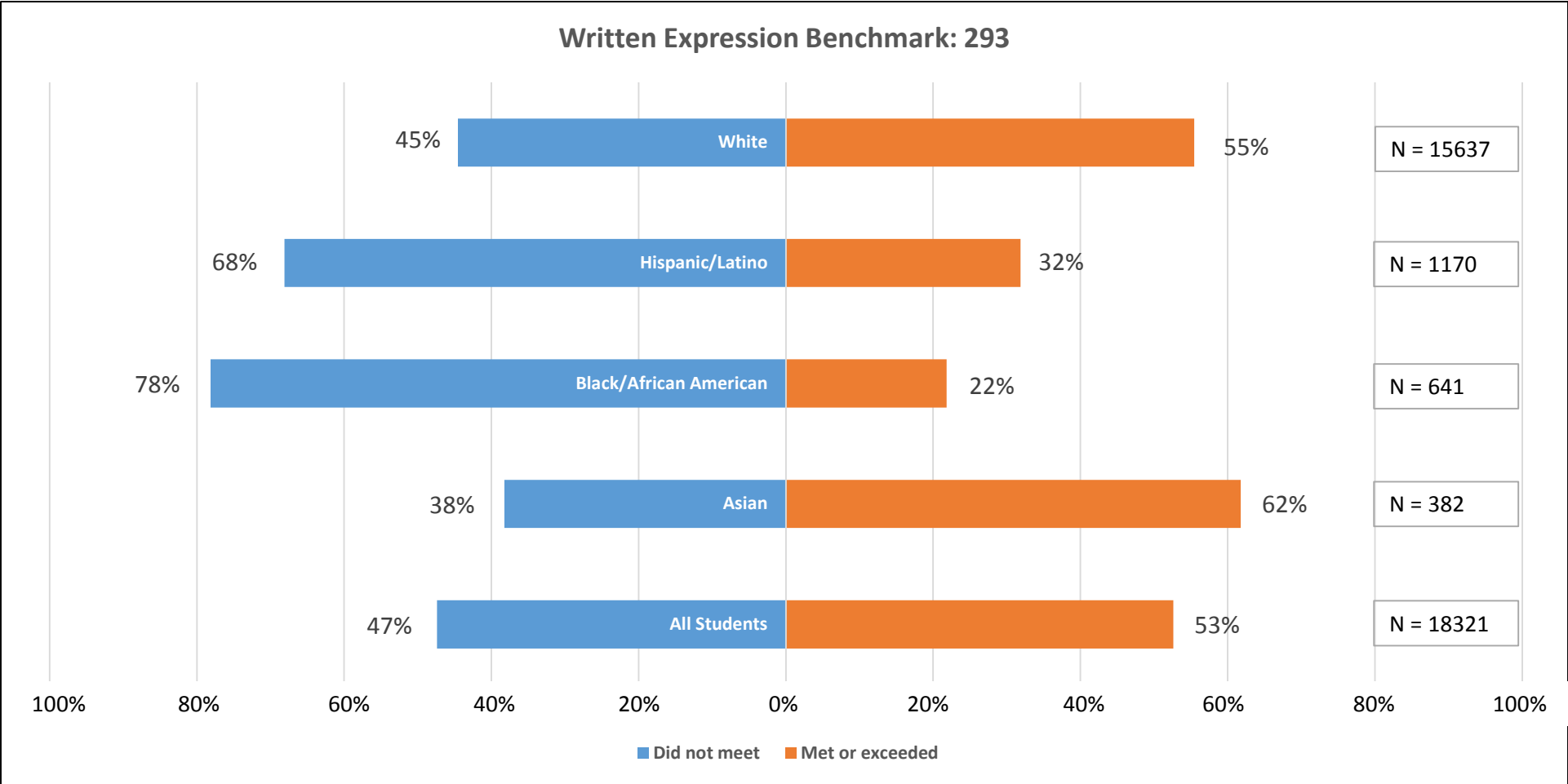


Figure 6: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Mathematics

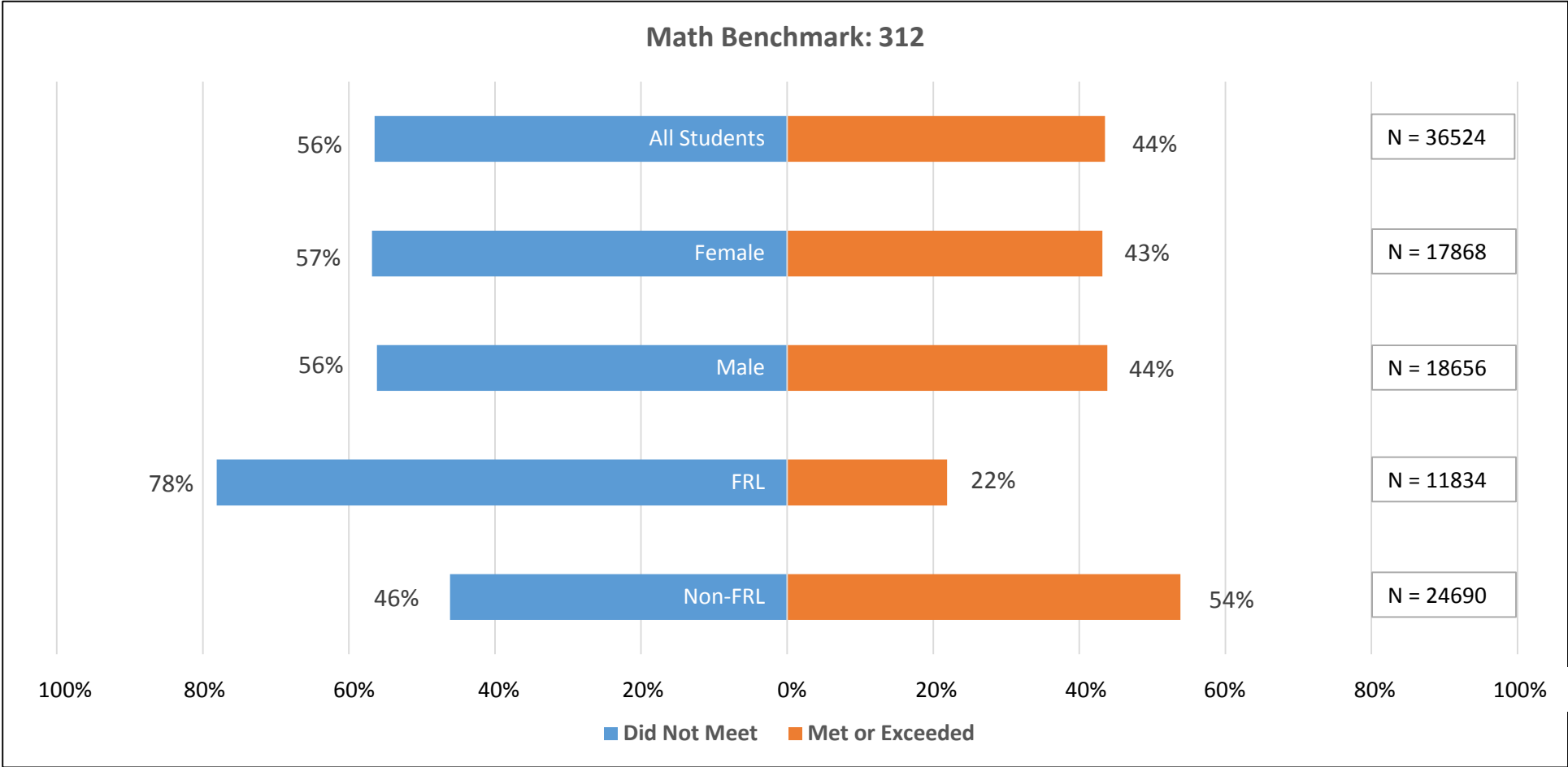


Figure 7: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Mathematics

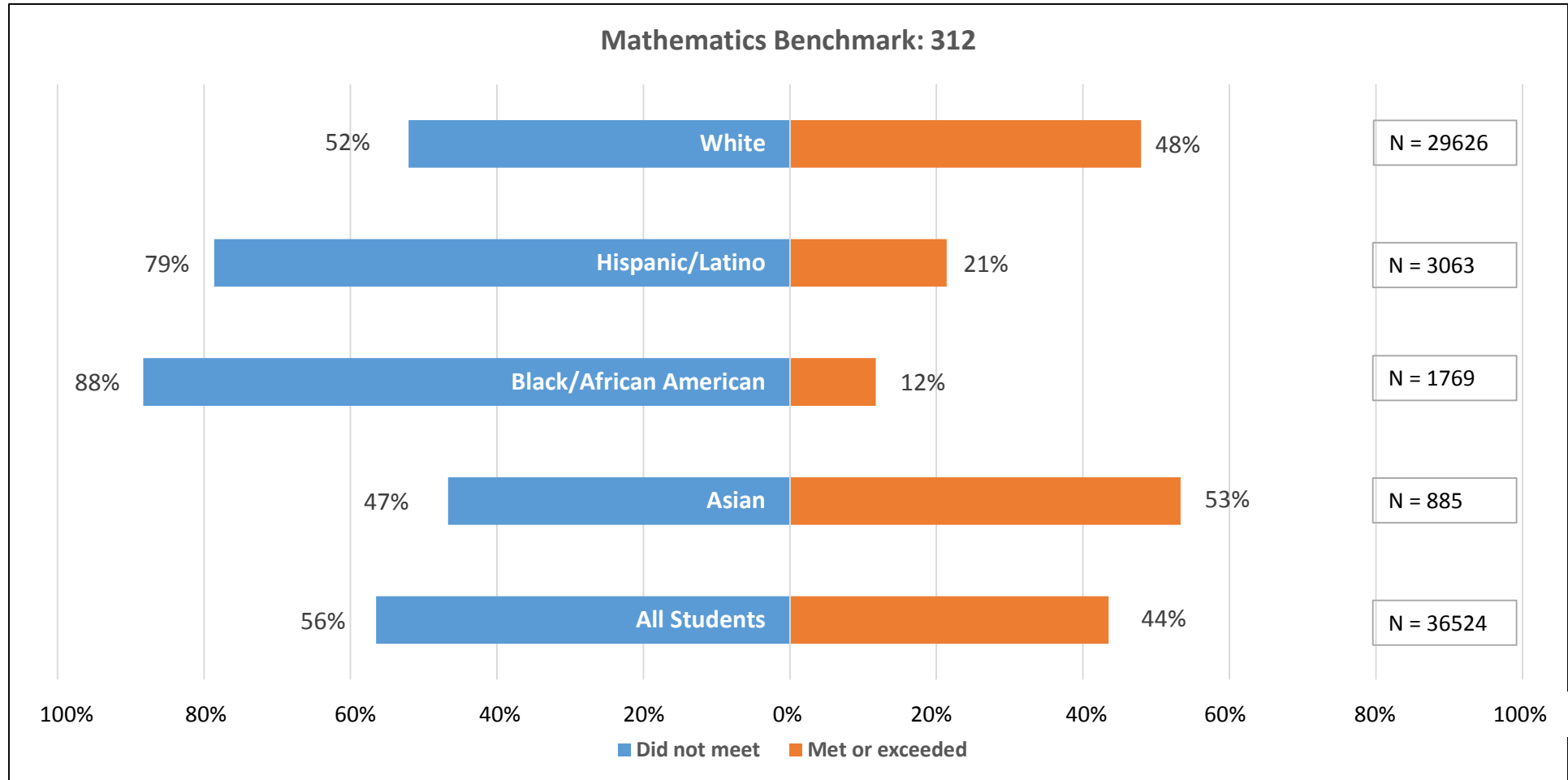


Figure 8: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Science

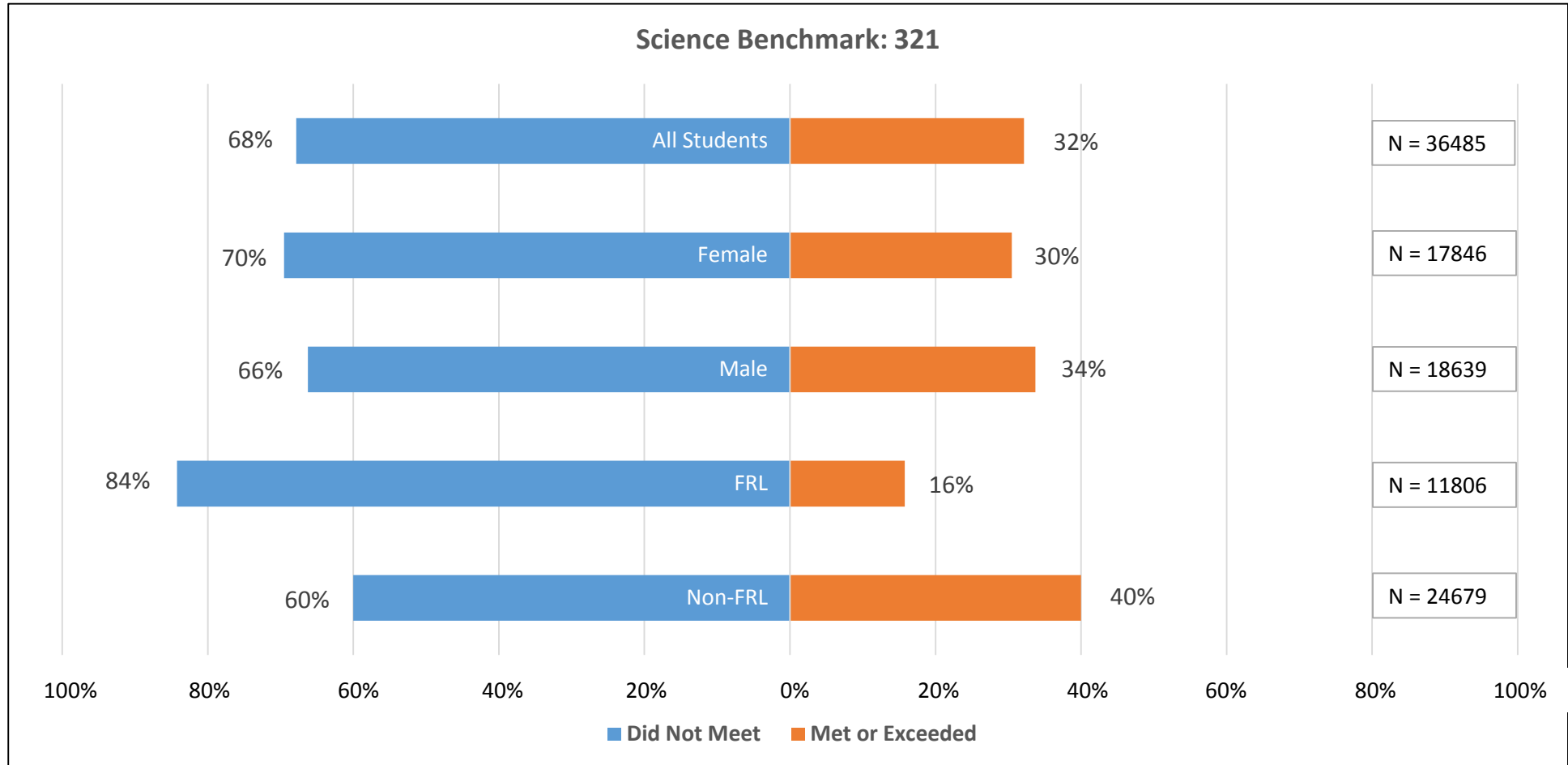




Figure 9: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Science

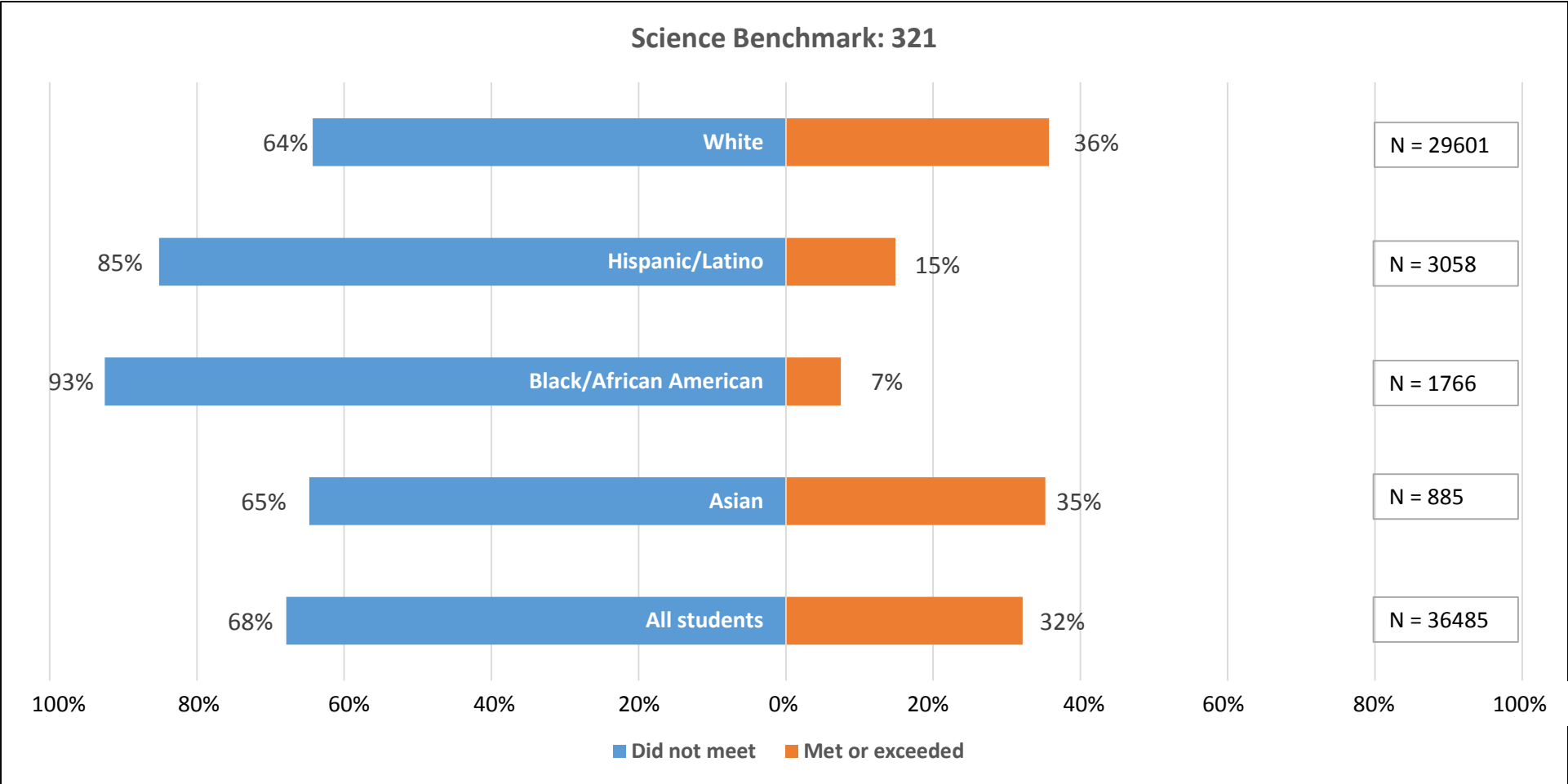
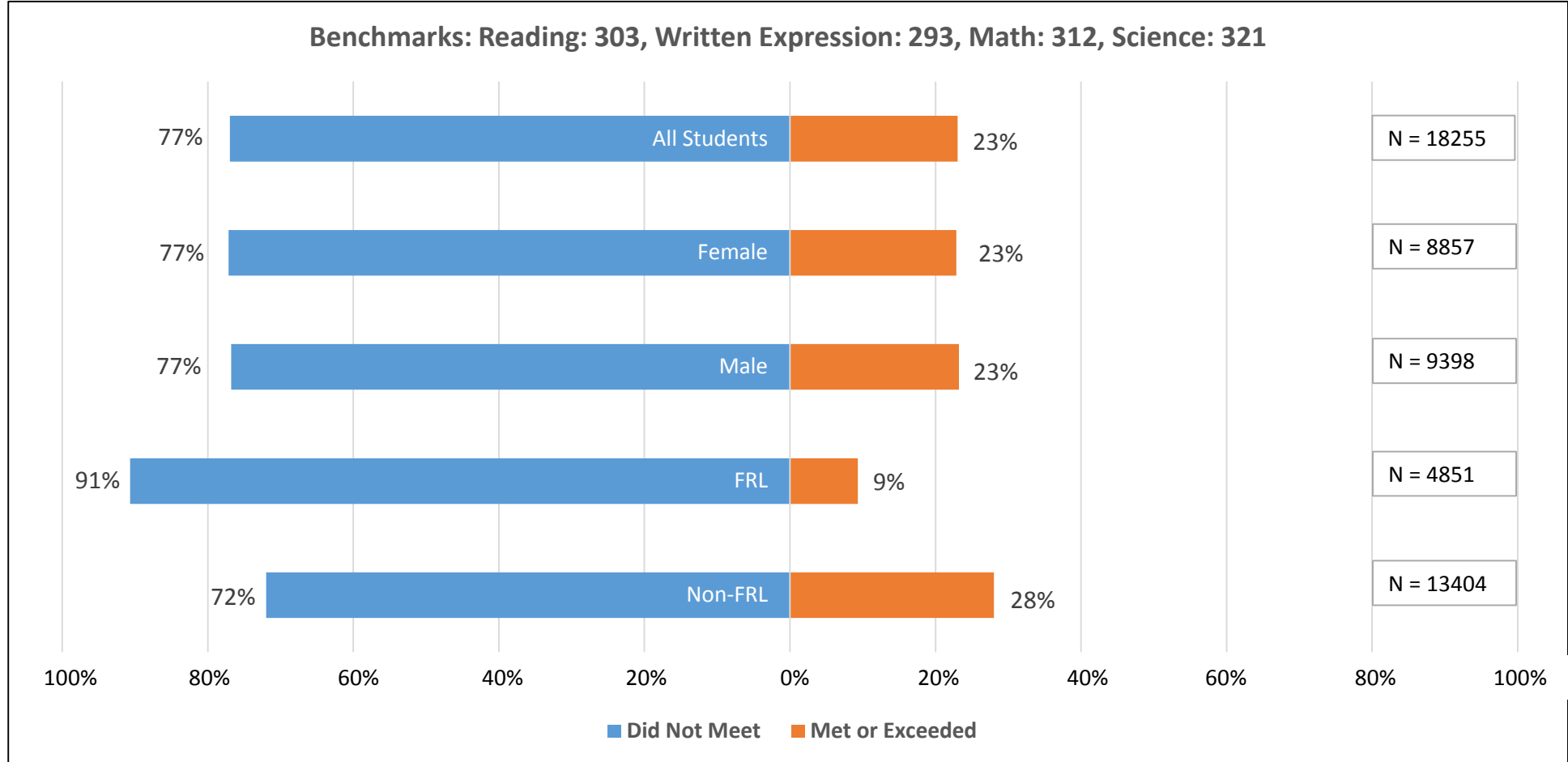


Figure 10: Percent of Iowa Students who met or exceeded all College Readiness Benchmarks



**Figure 11: Percent of Iowa Students who met or exceeded all College Readiness Benchmarks**

