

Iowa Assessments Profile Report: College Readiness

Iowa Graduating Class 2016



Table of Contents

- Iowa Assessments Results: Iowa Students, Grade 11 Page 3
- College Readiness and Iowa Students Page 6

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
Reading	286.27	36.36	36104
Written Expression	292.24	40.69	19547
Mathematics	297.71	34.02	35860
Science	295.93	43.04	36088

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
Reading	287.19	34.11	17716	285.39	38.39	18388
Written Expression	298.71	37.78	9568	286.03	42.38	9979
Mathematics	296.77	32.48	17591	298.61	35.42	18269
Science	294.51	40.35	17707	297.29	45.44	18381

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
Reading	284.73	40.38	890	259.02	35.58	1681	270.81	34.43	2928	289.59	35.37	29536
Written Expression	296.71	44.78	430	259.61	40.77	649	273.15	39.52	1231	294.91	39.63	16744
Mathematics	305.34	36.94	891	268.58	32.85	1674	280.66	32.61	2938	301.15	32.70	29298
Science	296.81	44.15	894	260.58	40.62	1676	274.31	41.16	2937	300.43	41.62	29513

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
Reading	270.50	35.80	11362	293.51	34.27	24742
Written Expression	273.03	39.99	5374	299.52	38.53	14173
Mathematics	280.93	33.15	11261	305.39	31.57	24599
Science	276.32	41.97	11357	304.93	40.45	24731

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

	Iowa Assessment Score
Reading	303
English	293
Mathematics	312
Science	321

Table 5 shows the Iowa Assessment Benchmarks.

Table 6: Iowa Assessment Score Distribution for Students

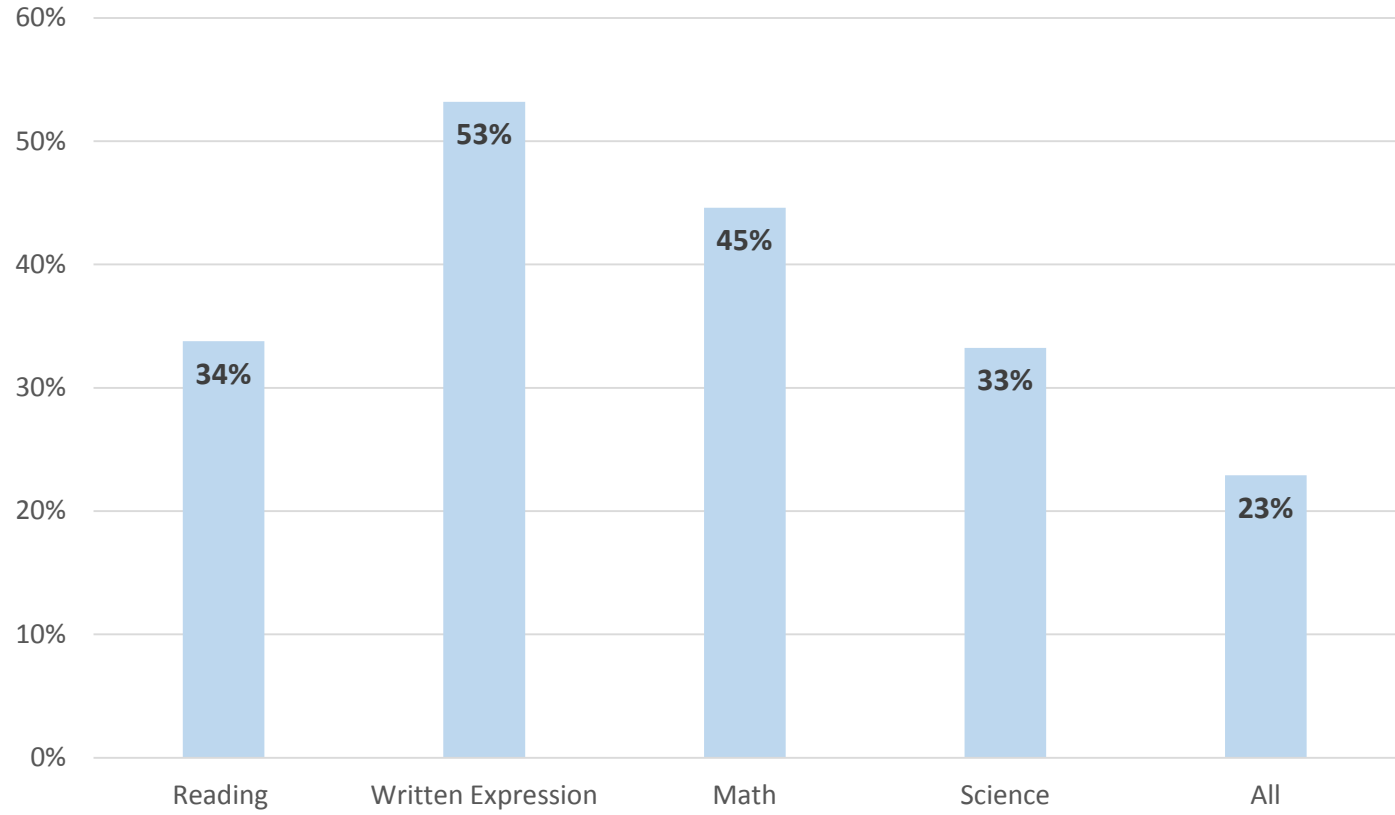
IOWA ASSESSMENT SCORES	WRITTEN EXPRESSION		READING		MATHEMATICS		SCIENCE	
	N	CP	N	CP	N	CP	N	CP
361-Above	104	100.00	275	100.00	374	100.00	1596	100.00
351-360	709	99.47	624	99.24	428	98.96	2982	95.58
341-350	1500	95.84	878	97.51	1239	97.76	1908	87.31
331-340	1887	88.17	2555	95.08	3609	94.31	2096	82.03
321-330	1484	78.51	2982	88.00	5513	84.24	3408	76.22
311-320	1416	70.92	1618	79.74	4829	68.87	2427	66.78
301-310	2042	63.68	3266	75.26	3787	55.40	2260	60.05
291-300	1842	53.23	3201	66.21	2567	44.84	3617	53.79
281-290	1607	43.81	4538	57.35	1382	37.69	2444	43.77
271-280	1376	35.59	5077	44.78	2695	33.83	3579	36.99
261-270	1270	28.55	4093	30.72	3871	26.32	2283	27.08
251-260	741	22.05	1628	19.38	2406	15.52	2164	20.75
241-250	987	18.26	1590	14.87	966	8.81	1058	14.75
231-240	965	13.21	1445	10.47	797	6.12	1813	11.82
221-230	627	8.27	608	6.46	596	3.90	741	6.80
211-220	456	5.06	556	4.78	400	2.23	0	4.74
201-210	299	2.73	451	3.24	220	1.12	1031	4.74
191-200	136	1.20	489	1.99	112	0.50	295	1.89
181-190	47	0.51	132	0.64	46	0.19	300	1.07
171-180	22	0.27	53	0.27	17	0.06	79	0.24
161-170	15	0.15	28	0.12	6	0.02	5	0.02
151-160	15	0.08	14	0.05	0	0.00	2	0.01
141-150	0	0.00	3	0.01	0	0.00	0	0.00
TOTAL N	19547		36104		35860		36088	
MEAN (SD)	292.24	(40.69)	286.27	(36.36)	297.71	(34.02)	295.93	(43.04)

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 All 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

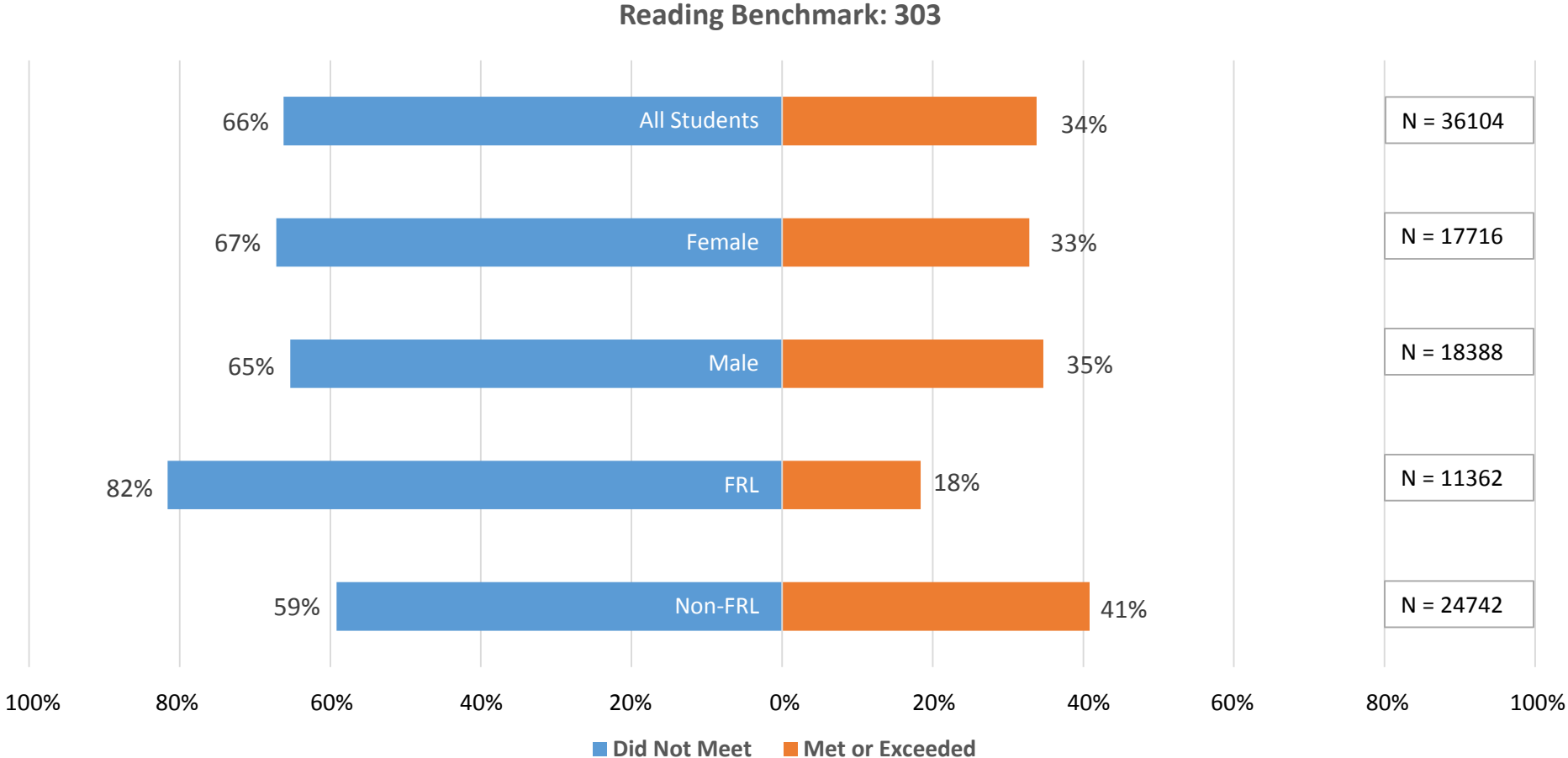


Figure 3: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Reading

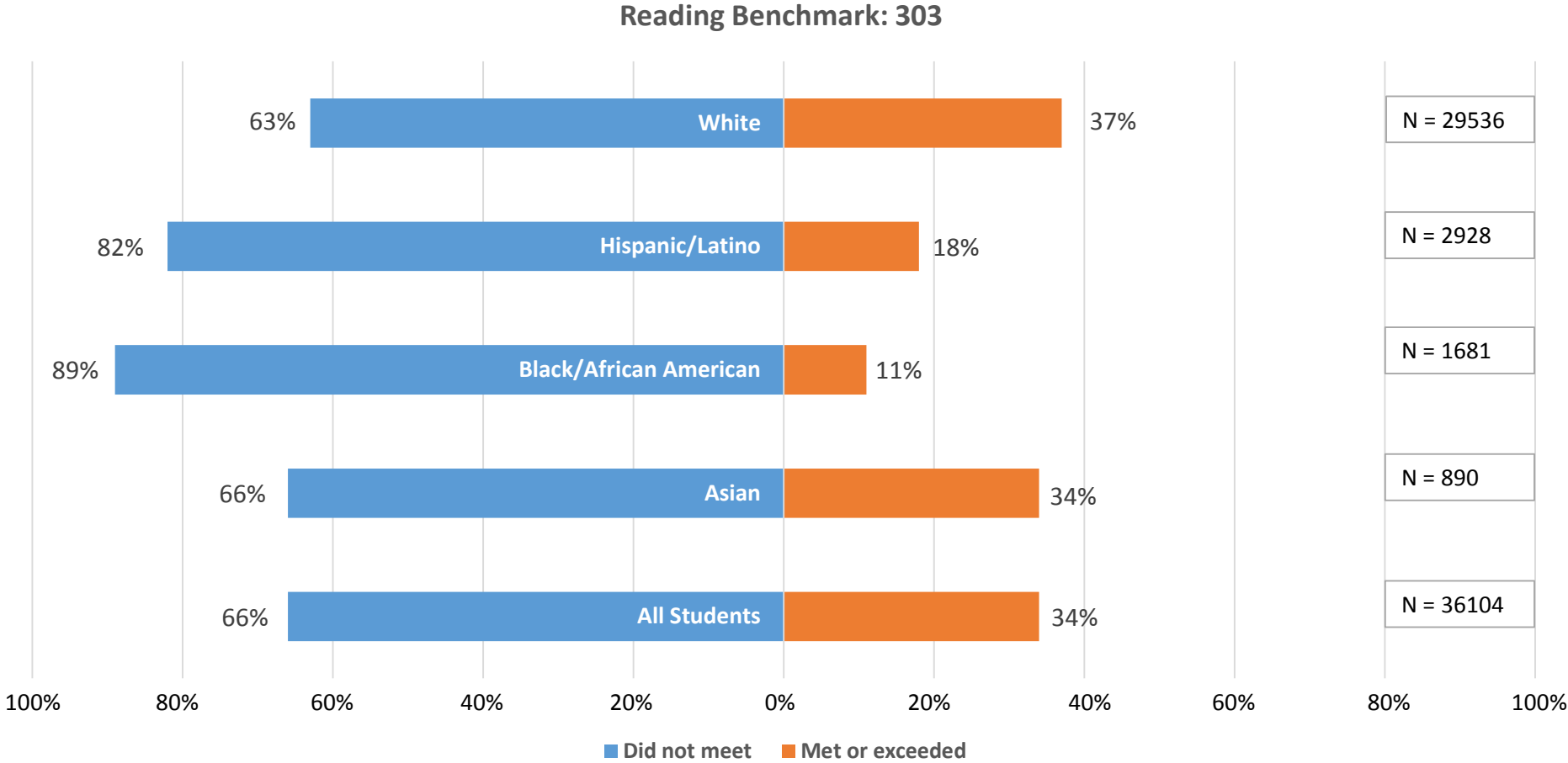


Figure 4: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Written Expression

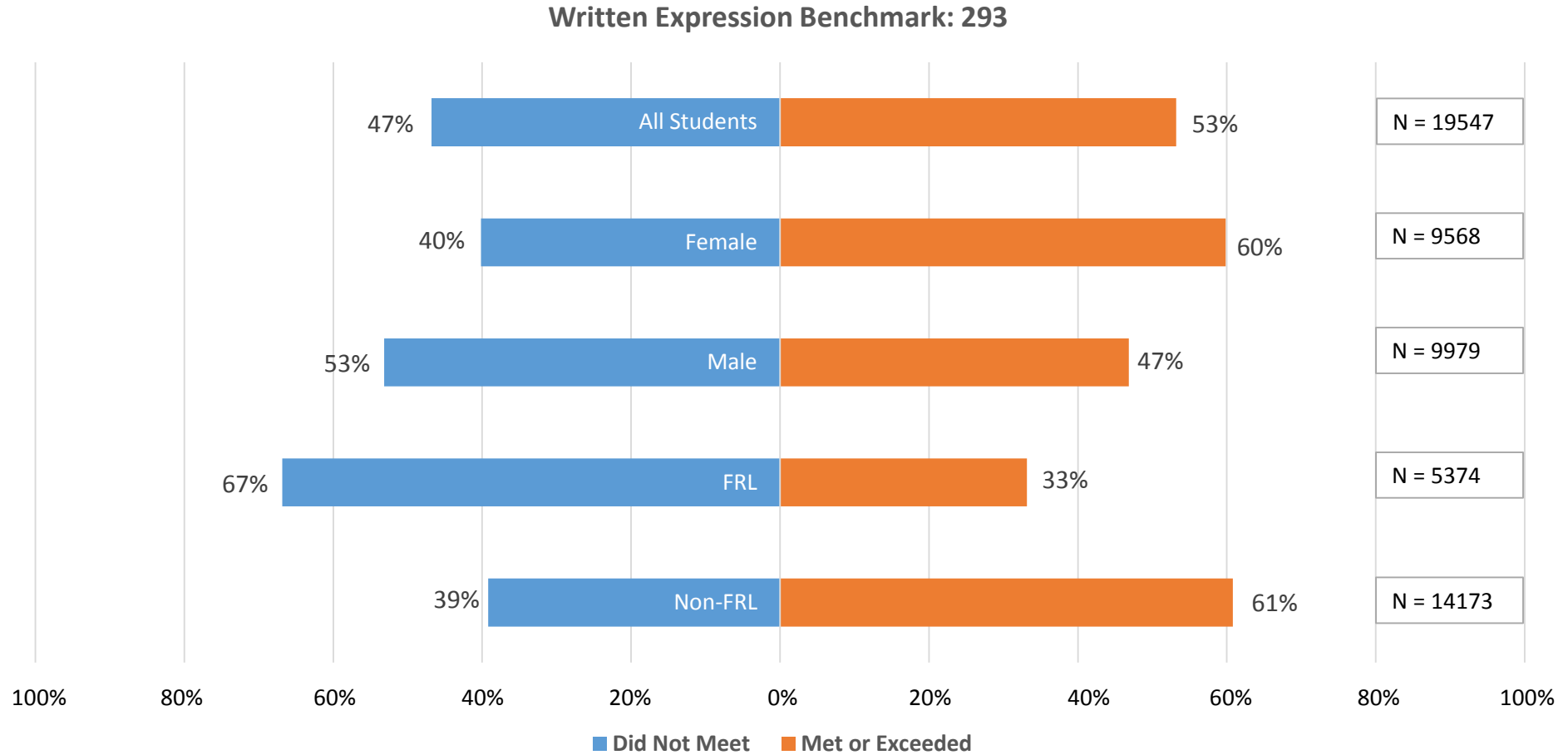


Figure 5: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Written Expression

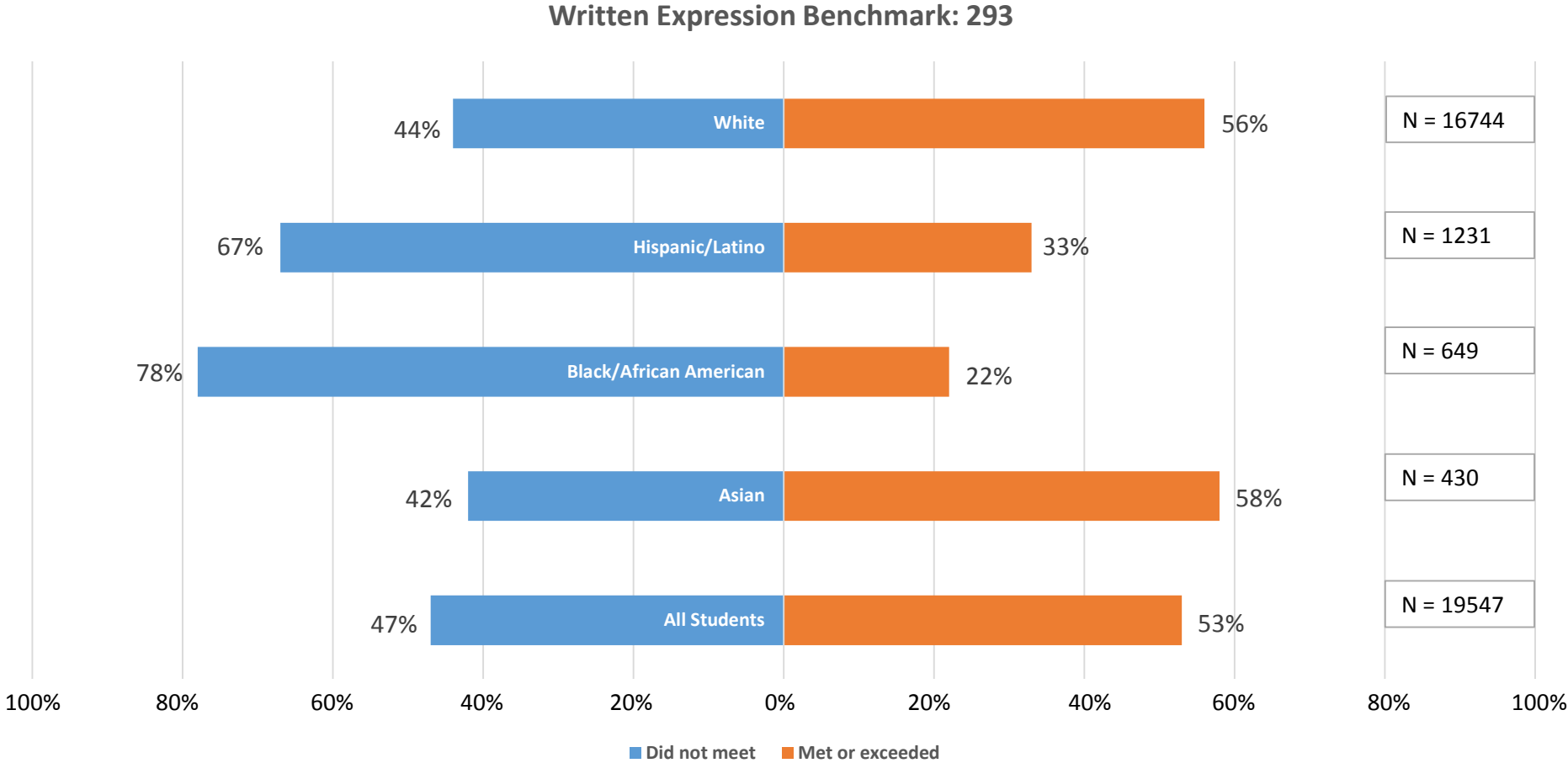


Figure 6: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Mathematics

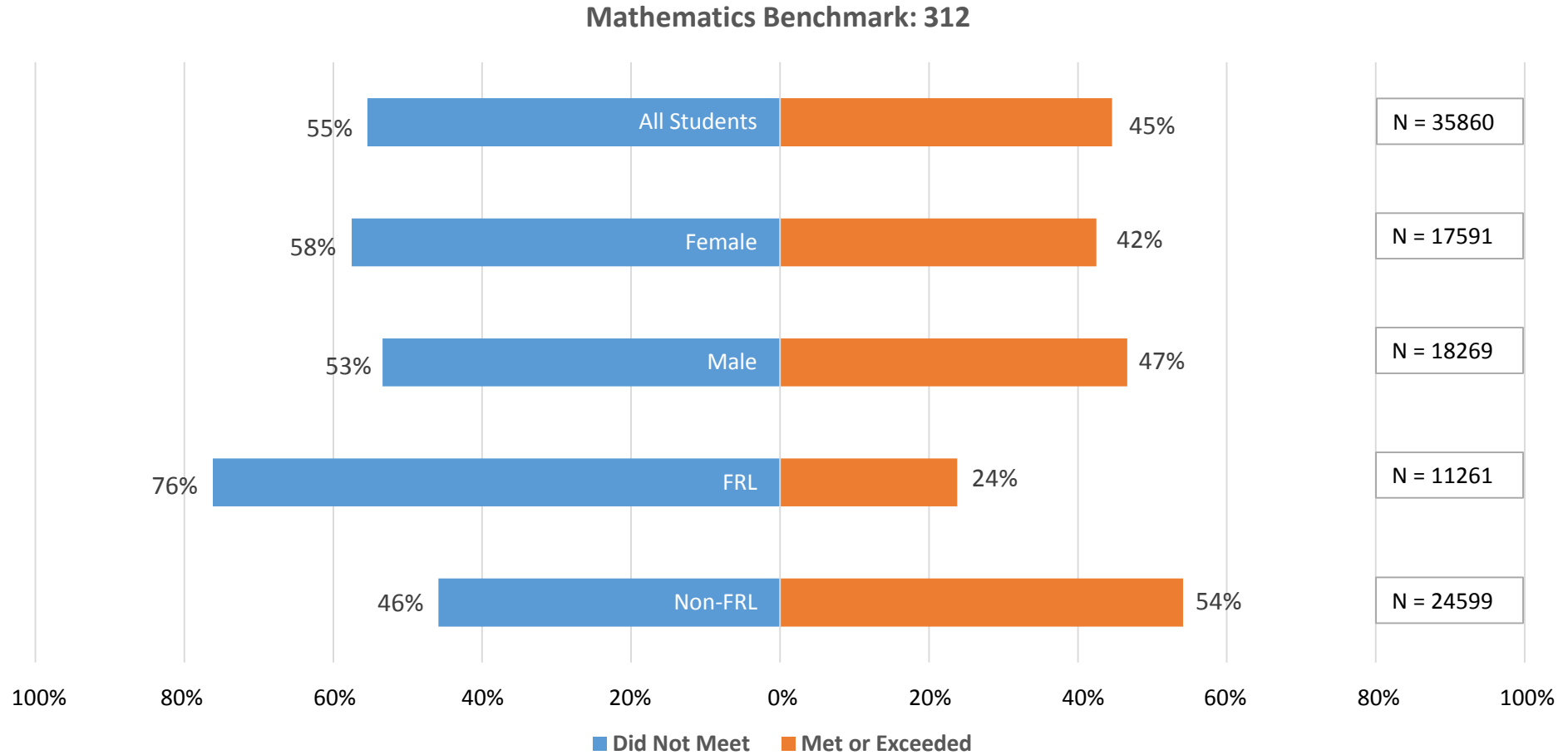


Figure 7: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Mathematics

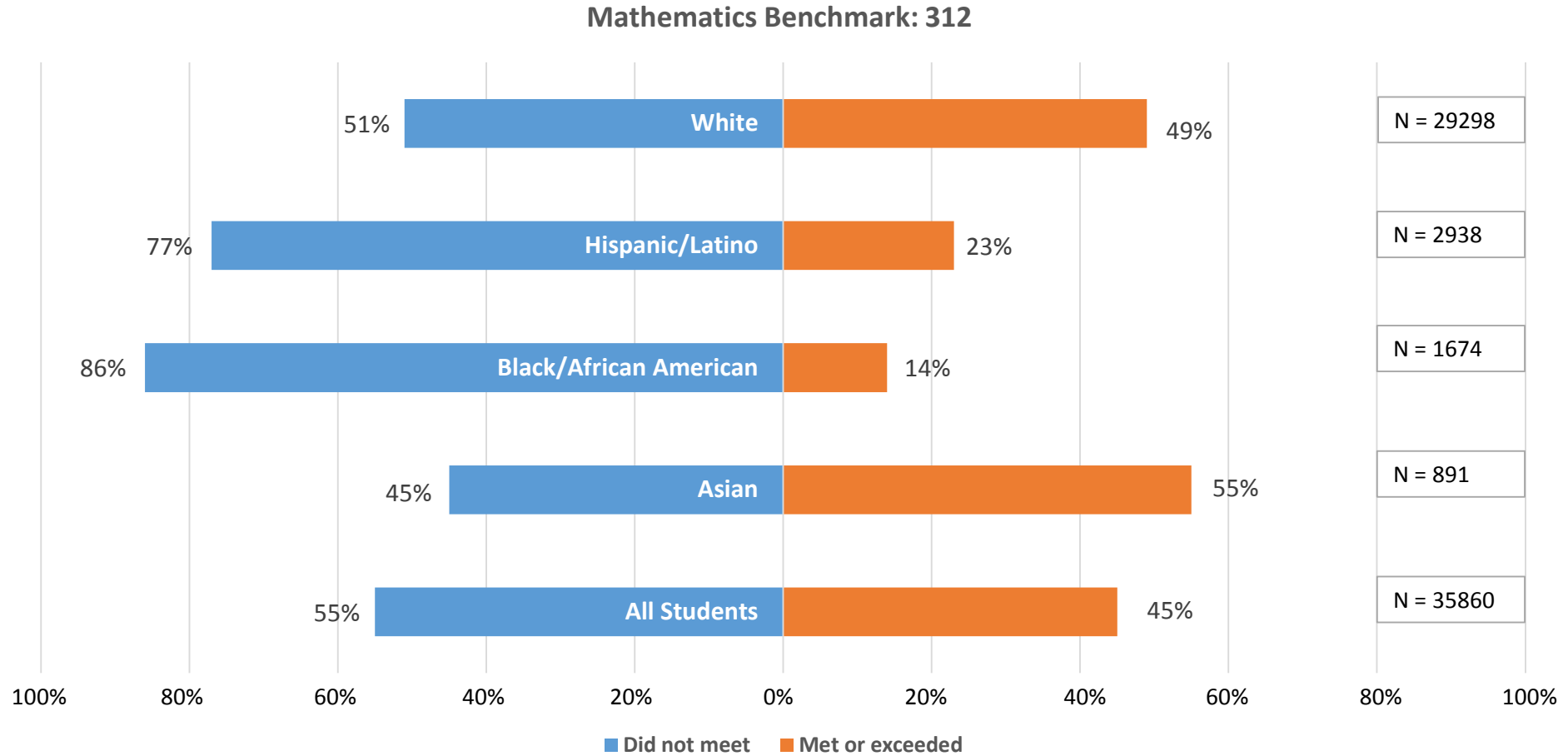


Figure 8: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Science

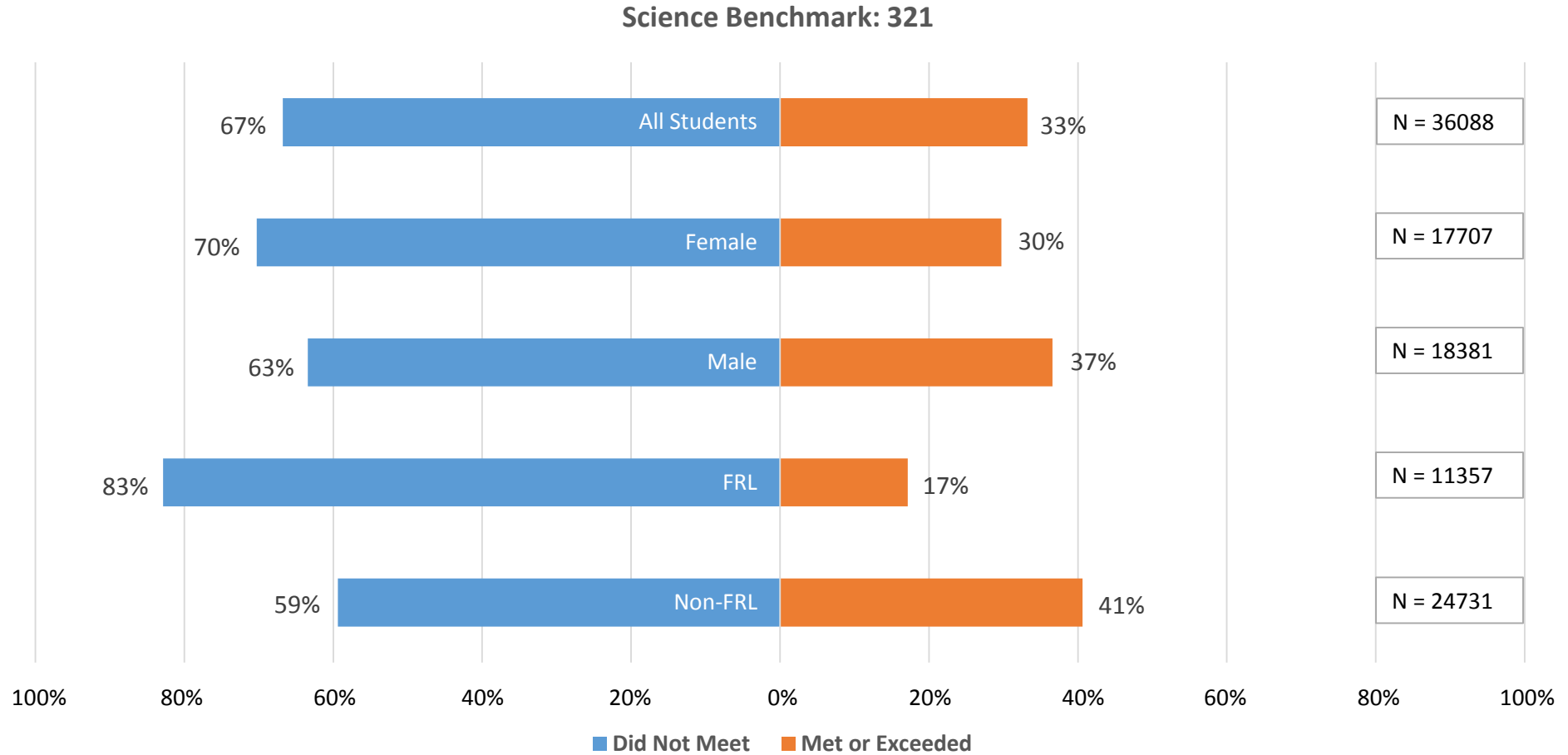


Figure 9: Percent of Iowa Students who met or exceeded the College Readiness Benchmark in Science

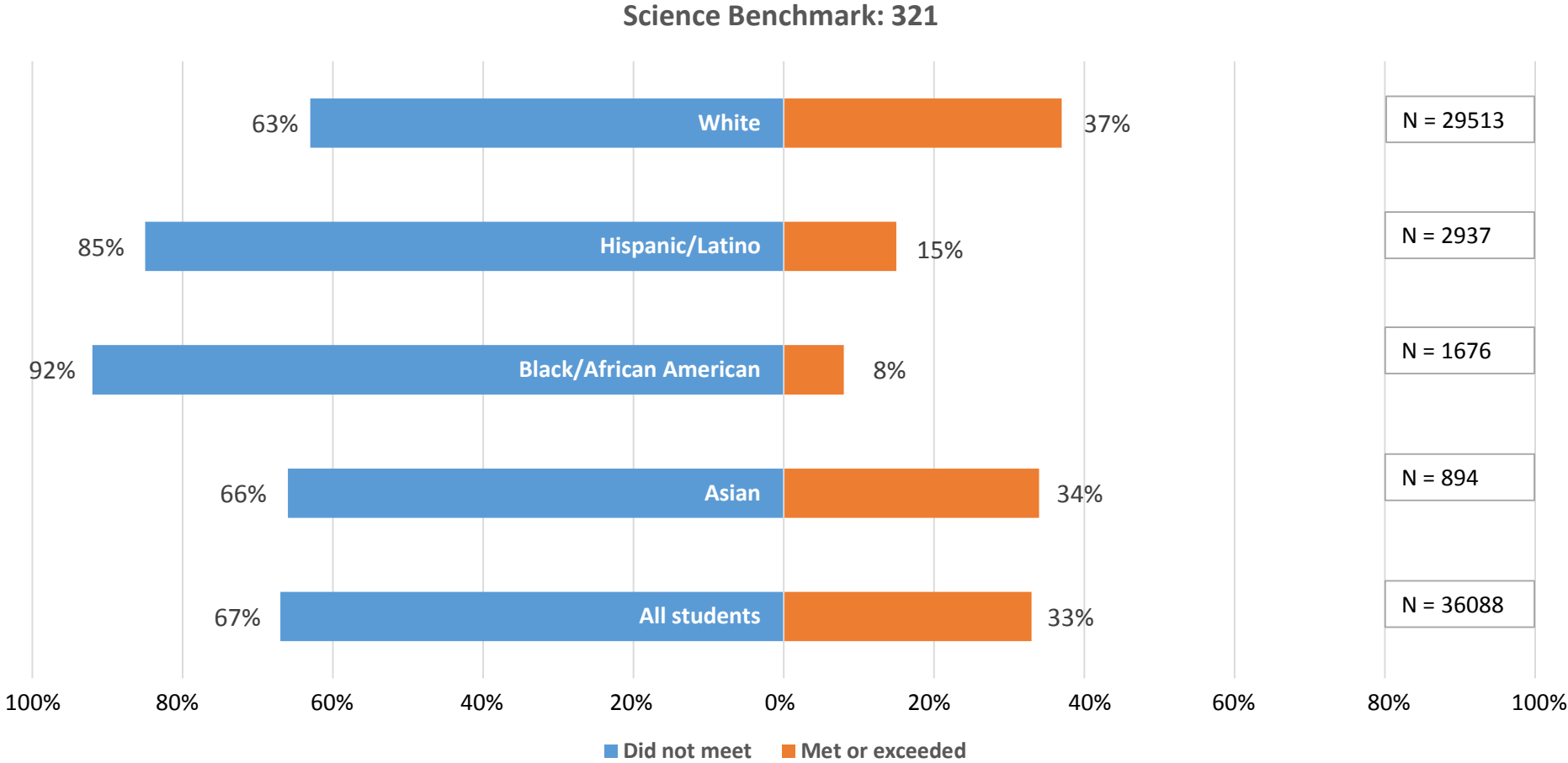


Figure 10: Percent of Iowa Students who met or exceeded all College Readiness Benchmarks

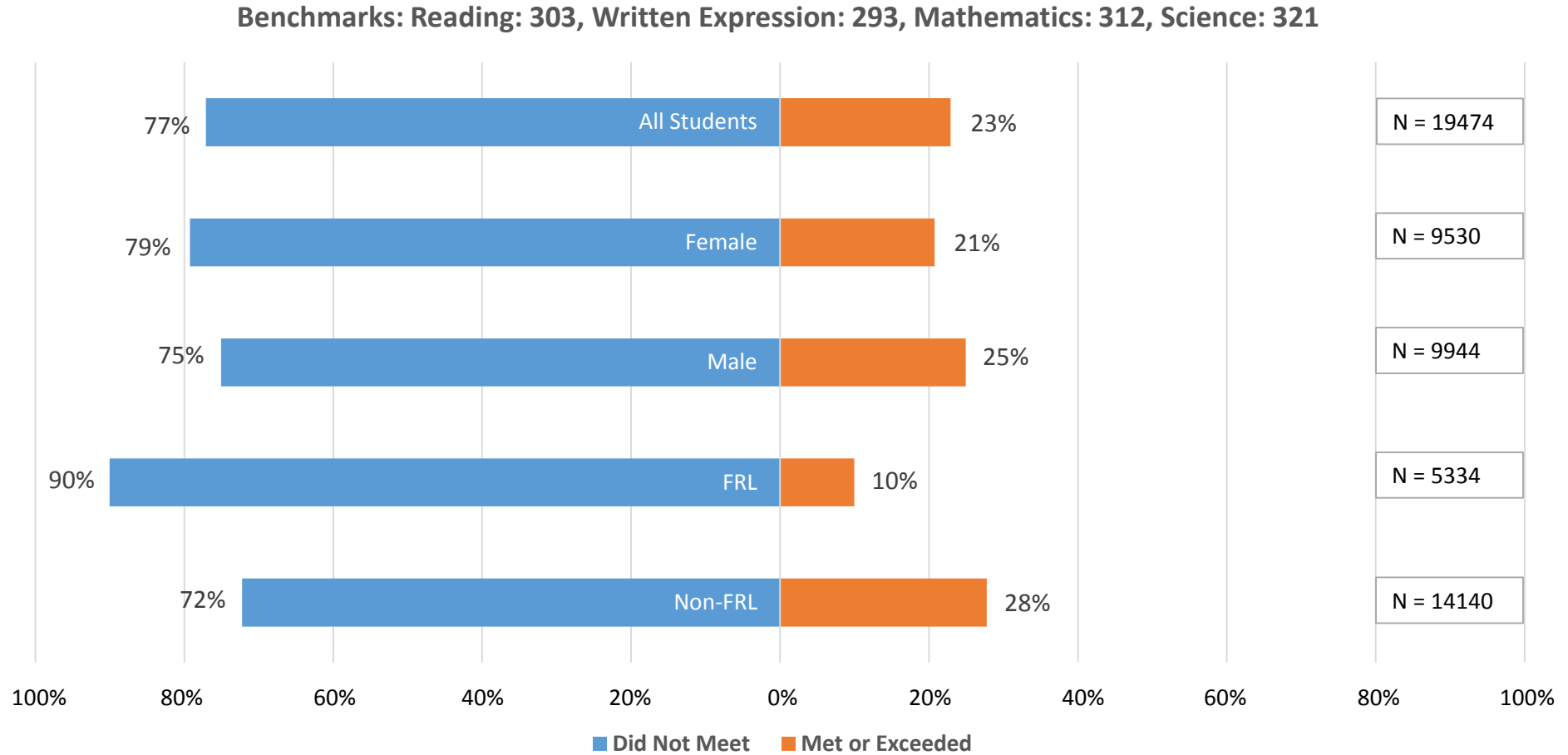


Figure 11: Percent of Iowa Students who met or exceeded all College Readiness Benchmarks

Benchmarks: Reading: 303, Written Expression: 293, Mathematics: 312, Science: 321

