

# **APPENDIX B**

## **PARTICIPATION RATES**

**Table B-1. 2016 MCAS and MCAS-Alt: Summary of Participation by Student Subgroup – English Language Arts, Grades 3–8 and 10**

Description	Number Tested		Percent Tested	
	MCAS	MCAS-Alt	MCAS	MCAS-Alt
All Students	188,742	8,064	100.00	100.00
Economically Disadvantaged	42,981	4,143	22.77	51.38
African American	10,583	1,124	5.61	13.94
Asian	13,208	423	7.00	5.25
Hispanic	22,106	2,055	11.71	25.48
Multi	5,881	240	3.12	2.98
Native American	334	20	0.18	0.25
Pacific Islander/Hawaiian	197	11	0.10	0.14
White	136,384	4,179	72.26	51.82
Female	92,744	2,626	49.14	32.56
Male	95,987	5,434	50.86	67.39
Limited English Proficient	7,649	847	4.05	10.50
Former LEP	5,116	171	2.71	2.12
LEPFLEP	12,288	1,000	6.51	12.40
Plan504	11,951	46	6.33	0.57
Special Education	32,282	8,064	17.10	100.00
Title 1	38,946	3,373	20.63	41.83

**Table B-2. 2016 MCAS and MCAS-Alt: Summary of Participation by Student Subgroup – Mathematics, Grades 3–8 and 10**

Description	Number Tested		Percent Tested	
	MCAS	MCAS-Alt	MCAS	MCAS-Alt
All Students	188,781	8,145	100.00	100.00
Economically Disadvantaged	42,969	4,165	22.76	51.14
African American	10,566	1,149	5.60	14.11
Asian	13,233	415	7.01	5.10
Hispanic	22,151	2,045	11.73	25.11
Multi	5,882	249	3.12	3.06
Native American	341	20	0.18	0.25
Pacific Islander/Hawaiian	197	11	0.10	0.14
White	136,342	4,244	72.22	52.11
Female	92,656	2,708	49.08	33.25
Male	96,109	5,433	50.91	66.70
Limited English Proficient	7,709	838	4.08	10.29
Former LEP	5,114	173	2.71	2.12
LEPFLEP	12,346	992	6.54	12.18
Plan504	11,949	42	6.33	0.52
Special Education	32,299	8,145	17.11	100.00
Title 1	38,982	3,376	20.65	41.45

**Table B-3. 2016 MCAS and MCAS-Alt: Summary of Participation by Student Subgroup – Science and Technology/Engineering, Grades 5 and 8**

Description	Number Tested		Percent Tested	
	MCAS	MCAS-Alt	MCAS	MCAS-Alt
All Students	138,067	2,254	100.00	100.00
Economically Disadvantaged	40,490	1,147	29.33	50.89
African American	11,741	301	8.50	13.35
Asian	8,801	125	6.37	5.55
Hispanic	24,108	571	17.46	25.33
Multi	4,276	61	3.10	2.71
Native American	278	6	0.20	0.27
Pacific Islander/Hawaiian	130	1	0.09	0.04
White	88,664	1,182	64.22	52.44
Female	67,760	761	49.08	33.76
Male	70,281	1,491	50.90	66.15
Limited English Proficient	8,848	230	6.41	10.20
Former LEP	5,740	51	4.16	2.26
LEPFLEP	13,897	275	10.07	12.20
Plan504	8,727	14	6.32	0.62
Special Education	24,223	2,254	17.54	100.00
Title 1	45,597	910	33.03	40.37

**Table B-4. 2016 MCAS and MCAS-Alt: Summary of Participation by Student Subgroup – High School Biology**

Description	Number Tested		Percent Tested	
	MCAS	MCAS-Alt	MCAS	MCAS-Alt
All Students	51,147	757	100.00	100.00
Economically Disadvantaged	13,621	365	26.63	48.22
African American	3,914	101	7.65	13.34
Asian	3,188	36	6.23	4.76
Hispanic	8,333	178	16.29	23.51
Multi	1,383	15	2.70	1.98
Native American	124	4	0.24	0.53
Pacific Islander/Hawaiian	49	1	0.10	0.13
White	34,070	422	66.61	55.75
Female	25,549	246	49.95	32.50
Male	25,568	511	49.99	67.50
Limited English Proficient	2,612	74	5.11	9.78
Former LEP	1,334	15	2.61	1.98
LEPFLEP	3,774	88	7.38	11.62
Plan504	3,140	1	6.14	0.13
Special Education	8,377	757	16.38	100.00
Title 1	11,794	214	23.06	28.27

**Table B-5. 2016 MCAS and MCAS-Alt: Summary of Participation by Student Subgroup – High School Chemistry**

Description	Number Tested		Percent Tested	
	MCAS	MCAS-Alt	MCAS	MCAS-Alt
All Students	840	39	100.00	100.00
Economically Disadvantaged	200	22	23.81	56.41
African American	191	3	22.74	7.69
Asian	76	4	9.05	10.26
Hispanic	119	10	14.17	25.64
Multi	29	0	3.45	0.00
Native American	1	0	0.12	0.00
Pacific Islander/Hawaiian	2	1	0.24	2.56
White	418	21	49.76	53.85
Female	418	13	49.76	33.33
Male	420	26	50.00	66.67
Limited English Proficient	59	5	7.02	12.82
Former LEP	18	0	2.14	0.00
LEPFLEP	71	5	8.45	12.82
Plan504	39	1	4.64	2.56
Special Education	49	39	5.83	100.00
Title 1	123	5	14.64	12.82

**Table B-6. 2016 MCAS and MCAS-Alt: Summary of Participation by Student Subgroup – High School Introductory Physics**

Description	Number Tested		Percent Tested	
	MCAS	MCAS-Alt	MCAS	MCAS-Alt
All Students	15,317	61	100.00	100.00
Economically Disadvantaged	4,189	28	27.35	45.90
African American	1,673	10	10.92	16.39
Asian	1,077	7	7.03	11.48
Hispanic	2,749	14	17.95	22.95
Multi	447	0	2.92	0.00
Native American	20	0	0.13	0.00
Pacific Islander/Hawaiian	17	0	0.11	0.00
White	9,312	29	60.80	47.54
Female	7,620	27	49.75	44.26
Male	7,682	34	50.15	55.74
Limited English Proficient	1,096	8	7.16	13.11
Former LEP	462	0	3.02	0.00
LEPFLEP	1,333	8	8.70	13.11
Plan504	952	0	6.22	0.00
Special Education	2,442	61	15.94	100.00
Title 1	3,852	14	25.15	22.95

**Table B-7. 2016 MCAS and MCAS-Alt: Summary of Participation by Student Subgroup – High School Technology/Engineering**

Description	Number Tested		Percent Tested	
	<i>MCAS</i>	<i>MCAS-Alt</i>	<i>MCAS</i>	<i>MCAS-Alt</i>
All Students	2,713	94	100.00	100.00
Economically Disadvantaged	1,019	40	37.56	42.55
African American	203	11	7.48	11.70
Asian	84	2	3.10	2.13
Hispanic	568	18	20.94	19.15
Multi	75	3	2.76	3.19
Native American	7	0	0.26	0.00
Pacific Islander/Hawaiian	2	0	0.07	0.00
White	1,764	60	65.02	63.83
Female	1,043	26	38.44	27.66
Male	1,664	68	61.33	72.34
Limited English Proficient	166	2	6.12	2.13
Former LEP	124	1	4.57	1.06
LEPFLEP	249	3	9.18	3.19
Plan504	183	1	6.75	1.06
Special Education	709	94	26.13	100.00
Title 1	1,391	14	51.27	14.89