

# **APPENDIX M**

## **ACHIEVEMENT LEVEL SCORE DISTRIBUTIONS**

**Table M-1. 2015 MCAS: Achievement Level Distributions  
by Grade – ELA**

Grade	Achievement Level	Percent in Level		
		2015	2014	2013
3	Advanced	10.68	12.07	11.82
	Proficient	49.47	46.38	45.65
	Needs Improvement	32.58	33.20	36.15
	Warning	7.26	8.35	6.38
4	Advanced	11.77	13.51	10.63
	Proficient	46.12	41.35	43.78
	Needs Improvement	31.74	33.77	33.94
	Warning	10.37	11.38	11.64
5	Advanced	21.15	18.43	18.65
	Proficient	47.73	46.67	48.22
	Needs Improvement	22.75	26.79	24.96
	Warning	8.37	8.11	8.18
6	Advanced	18.67	16.71	16.13
	Proficient	52.65	52.49	51.88
	Needs Improvement	19.92	23.19	23.64
	Warning	8.76	7.61	8.35
7	Advanced	9.89	11.52	12.37
	Proficient	62.95	61.73	60.50
	Needs Improvement	21.08	21.19	21.94
	Warning	6.08	5.56	5.18
8	Advanced	25.88	13.92	20.16
	Proficient	54.16	65.99	58.99
	Needs Improvement	14.54	13.97	14.84
	Warning	5.42	6.12	6.01
10	Advanced	49.12	41.15	44.62
	Proficient	42.75	48.97	46.93
	Needs Improvement	6.61	8.33	7.36
	Warning	1.52	1.55	1.09

**Table M-2. 2015 MCAS: Achievement Level Distributions  
by Grade – Mathematics**

Grade	Achievement Level	Percent in Level		
		2015	2014	2013
3	Advanced	31.90	31.07	31.07
	Proficient	39.48	38.29	36.41
	Needs Improvement	18.60	21.46	22.91
	Warning	10.03	9.17	9.61
4	Advanced	21.03	20.40	18.60
	Proficient	31.49	32.67	34.27
	Needs Improvement	38.21	37.05	39.02
	Warning	9.26	9.88	8.11
5	Advanced	30.53	30.86	28.98
	Proficient	32.18	31.01	33.19

continued

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2015</i>	<i>2014</i>	<i>2013</i>
5	Needs Improvement	25.33	24.62	25.50
	Warning	11.96	13.51	12.33
6	Advanced	30.29	29.59	25.84
	Proficient	32.06	31.39	36.12
	Needs Improvement	24.55	25.89	24.20
	Warning	13.10	13.13	13.84
7	Advanced	22.21	17.54	19.72
	Proficient	33.12	33.32	33.14
	Needs Improvement	24.64	26.65	27.29
	Warning	20.03	22.48	19.85
8	Advanced	28.88	19.18	22.77
	Proficient	30.75	33.37	32.81
	Needs Improvement	23.08	29.36	25.51
	Warning	17.29	18.10	18.91
10	Advanced	53.26	53.02	54.63
	Proficient	25.58	25.68	25.46
	Needs Improvement	13.94	15.24	13.31
	Warning	7.22	6.05	6.60

**Table M-3. 2015 MCAS: Achievement Level Distributions by Grade – STE**

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2015</i>	<i>2014</i>	<i>2013</i>
5	Advanced	15.86	19.93	20.15
	Proficient	35.51	33.91	31.89
	Needs Improvement	37.34	34.87	37.14
	Warning	11.29	11.28	10.83
8	Advanced	3.10	4.13	3.98
	Proficient	39.34	38.05	35.94
	Needs Improvement	40.50	41.26	43.36
	Warning	17.05	16.55	16.73

**Table M-4. 2015 MCAS: Achievement Level Distributions – High School Biology**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2015</i>	<i>2014</i>	<i>2013</i>
Advanced	25.22	27.17	28.22
Proficient	42.88	39.95	38.85
Needs Improvement	21.36	21.63	21.93
Warning	10.54	11.25	11.00

**Table M-5. 2015 MCAS: Achievement Level Distributions – High School Chemistry**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2015</i>	<i>2014</i>	<i>2013</i>
Advanced	24.95	30.21	22.60
Proficient	35.26	30.49	31.70
Needs Improvement	21.18	18.55	22.72
Warning	18.61	20.75	22.97

**Table M-6. 2015 MCAS: Achievement Level Distributions – High School Introductory Physics**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2015</i>	<i>2014</i>	<i>2013</i>
Advanced	29.10	23.94	24.30
Proficient	39.81	39.54	37.21
Needs Improvement	21.89	26.28	28.16
Warning	9.20	10.25	10.33

**Table M-7. 2015 MCAS: Achievement Level Distributions – High School Technology/Engineering**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2015</i>	<i>2014</i>	<i>2013</i>
Advanced	7.09	6.63	7.70
Proficient	41.17	41.78	38.82
Needs Improvement	36.78	35.81	32.45
Warning	14.95	15.78	21.04

**Table M-8. 2015 MCAS-Alt: Achievement Level Distributions by Grade – ELA**

<i>Grade</i>	<i>Achievement Level</i>	<i>Percent in Level</i>		
		<i>2015</i>	<i>2014</i>	<i>2013</i>
3	11	0.00	0.08	0.08
	10	80.64	74.95	85.86
	9	6.89	5.81	5.52
	8	0.74	1.15	0.50
	7	11.73	18.01	8.03
4	11	0.24	0.08	0.07
	10	75.14	72.11	85.36
	9	19.04	20.05	9.83
	8	0.94	0.47	0.50
	7	4.64	7.29	4.24
5	11	0.00	0.00	0.00
	10	79.58	72.58	83.42
	9	5.45	3.75	4.81
	8	0.49	1.44	1.08
	7	14.48	22.24	10.70

continued

Grade	Achievement Level	Percent in Level		
		2015	2014	2013
6	11	0.00	0.00	0.00
	10	78.66	62.36	83.59
	9	4.75	4.09	4.24
	8	0.64	3.24	1.08
	7	15.94	30.30	11.09
7	11	0.00	0.00	0.00
	10	72.72	59.95	81.57
	9	16.65	29.45	12.10
	8	0.84	2.59	0.64
	7	9.79	8.01	5.69
8	11	0.00	0.09	0.00
	10	73.97	57.76	77.60
	9	5.57	3.37	4.93
	8	0.55	2.32	1.08
	7	19.91	36.46	16.40
10	13	0.10	0.10	0.00
	12	0.00	0.00	0.21
	11	0.10	0.00	0.10
	10	61.06	54.56	70.67
	9	23.05	22.38	16.82
	8	0.83	0.83	0.92
	7	14.85	22.12	11.28

**Table M-9. 2015 MCAS-Alt: Achievement Level Distributions by Grade – Mathematics**

Grade	Achievement Level	Percent in Level		
		2015	2014	2013
3	11	0.00	0.00	0.00
	10	82.50	81.54	83.85
	9	7.63	6.54	5.13
	8	1.16	1.15	1.03
	7	8.71	10.77	10.00
4	11	0.31	0.00	0.00
	10	79.31	83.71	85.60
	9	7.05	6.33	4.31
	8	1.10	0.80	1.02
	7	12.23	9.15	9.06
5	11	0.00	0.00	0.00
	10	81.20	80.67	84.58
	9	6.99	4.52	5.47
	8	0.64	1.56	1.19
	7	11.16	13.25	8.76
6	11	0.15	0.00	0.23
	10	82.11	74.78	78.66
	9	5.55	6.03	5.86
	8	1.31	4.14	1.13
	7	10.87	15.05	14.12

continued

Grade	Achievement Level	Percent in Level		
		2015	2014	2013
7	11	0.16	0.00	0.08
	10	80.38	76.65	82.80
	9	7.06	6.38	5.27
	8	1.15	2.87	1.24
	7	11.25	14.11	10.61
8	11	0.18	0.00	0.00
	10	74.43	70.66	79.56
	9	7.82	6.75	4.89
	8	0.79	2.95	0.87
	7	16.78	19.65	14.67
10	13	0.00	0.00	0.00
	12	0.10	0.10	0.51
	11	0.31	0.20	0.71
	10	62.45	63.76	71.22
	9	20.61	17.19	16.33
	7	15.10	17.82	10.20

**Table M-10. 2015 MCAS-Alt: Achievement Level Distributions by Grade – STE**

Grade	Achievement Level	Percent in Level		
		2015	2014	2013
5	11	0.00	0.00	0.00
	10	77.97	71.03	78.94
	9	13.46	15.10	13.23
	8	0.35	1.32	0.86
	7	8.22	12.55	6.97
8	11	0.19	0.00	0.00
	10	75.07	65.49	71.33
	9	13.91	15.78	16.19
	8	0.47	2.45	0.57
	7	10.36	16.28	11.90

**Table M-11. 2015 MCAS-Alt: Achievement Level Distributions – High School Biology**

Achievement Level	Percent in Level		
	2015	2014	2013
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	0.26	0.00	0.00
10	64.79	57.00	70.18
9	15.88	16.67	14.19
8	0.38	1.10	0.13
7	18.69	25.23	15.49

**Table M-12. 2015 MCAS-Alt: Achievement Level Distributions – High School Chemistry**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2015</i>	<i>2014</i>	<i>2013</i>
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	0.00	8.93	5.63
10	77.78	57.14	60.56
9	11.11	13.84	8.45
8	0.00	1.79	1.41
7	11.11	18.30	23.94

**Table M-13. 2015 MCAS-Alt: Achievement Level Distributions – High School Introductory Physics**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2015</i>	<i>2014</i>	<i>2013</i>
13	0.00	0.00	0.00
12	0.00	3.70	2.50
11	6.45	2.47	3.75
10	50.00	54.32	57.50
9	24.19	23.05	20.00
8	3.23	0.00	0.00
7	16.13	16.46	16.25

**Table M-14. 2015 MCAS-Alt: Achievement Level Distributions – High School Technology/Engineering**

<i>Achievement Level</i>	<i>Percent in Level</i>		
	<i>2015</i>	<i>2014</i>	<i>2013</i>
13	0.00	0.00	0.00
12	0.00	0.00	0.00
11	0.00	0.00	0.00
10	76.14	57.14	60.24
9	12.50	25.40	14.46
8	2.27	0.00	4.82
7	9.09	17.46	20.48