

### Proposal for Analysis of the Local Test Survey Data

Based on the qualitative and quantitative data available to us from the State Survey, we at the Maryland Assessment Research Center (MARC) are proposing the following analyses be done to summarize the amount of time spent on locally mandated testing and related information from the Survey. We welcome comments and suggestions prior to our beginning this work.

1. Summarize the frequency of test administrations by test, county and grade. We could count how many tests are administered in each county, how many tests are administered at each grade for each county, and how many times each test is administered across grades for each county. This would provide comparative data across Counties as well as within county information.
2. Summarize the amount of time spent on testing by grade level, subject, and county, independently and jointly through cross tabulation. Descriptive statistics can be computed to supplement the information provided on the current summary table. Relations between time spent on tests and variables, such as grade level, county or subject, can also be explored. In addition to summarizing the amount of time spent on locally mandated tests, we can also examine the ratio of time spent on locally mandated tests to the total amount of time spent on all kinds of testing (federally mandated tests, state mandated tests, locally mandated tests and non-mandated tests) across grade level, subject and county.
3. Summarize the time spent on locally mandated tests based on purpose and consequences of testing. As locally mandated tests are categorized by their role in instruction (summative/formative), and by high-stake or low stake, descriptive statistics of time spent on testing can be summarized across these categories.
4. Summarize the use of technology in locally mandated tests. The proportion of time spent on paper-pencil tests and tests delivered by electronic devices can be summarized by grade level, subject and county. This analysis helps us investigate the relation between the use/availability of technology and the time students spend on locally mandated tests.

TIME SPENT ON LOCALLY MANDATED ASSESSMENTS IN EACH GRADE (HOURS) 2015-2016 \*exclusive of any State or Federal Assessments

Locally Mandated (Central Office)	Prek	K	1	2	3	4	5	6	7	8	9	10	11	12	Other HS Courses Not Included by Grade
Allegheny	4.00	4.00	4.00	4.00	4.00	4.00	5.00	19.10	19.10	19.10	12.40	15.15	12.4	12.4	
Anne Arundel	0.00	2.50	2.75	15.75	8.75	14.50	14.50	23.75	23.75	28.75	29.20	27.20	27.20	25.00	
Baltimore City	1.00	1.58	9.58	10.83	9.00	9.00	9.00	9.00	9.00	9.00	21.00	21.00	21.00	18.00	
Baltimore County	0.00	4.00	6.00	6.00	4.00	4.00	4.00	4.00	4.00	4.00	10.50	10.50	13.50	7.50	
Calvert	3.34	3.66	4.82	6.99	13.28	14.04	11.97	9.00	9.75	9.75	19.50	22.50	21.00	21.00	1.50
Caroline	0	2.75	2.75	2.75	2.40	2.40	3.40	7.30	7.30	7.30	7.30	11.80	7.30	7.30	
Carroll	2	11.17	16.17	24.67	28.00	28.00	29.00	16.00	16.00	16.00	32.00	32.00	32.00	32.00	
Cecil	0.00	0.00	3.33	7.83	7.92	8.00	8.00	36.50	36.50	36.50	36.50	36.50	32.00	32.00	
Charles	0.00	6.00	7.67	4.50	8.50	7.67	9.67	8.08	7.50	8.75	9.30	8.67	6.92	4.16	
Dorchester	0	6.05	20.05	33.05	42.72	41.05	42.72	36.00	36.33	34.00	19.67	19.67	19.67	19.67	9.00
Frederick	4.92	9.16	11.82	13.82	17.58	17.58	20.40	14.82	16.89	16.82	20.25	15.75	13.75	4.00	
Garrett	0	0	4.00	4.00	8.00	8.00	8.00	8.00	8.00	8.00	25.00	28.00	25.00	22.50	
Harford	2.00	5.00	4.99	12.82	10.82	10.82	10.82	11.65	10.82	18.31	24.39	23.56	23.06	20.90	
Howard	0.00	3.33	7.00	7.00	6.17	5.67	11.84	5.67	5.67	5.67	2.00	3.00	3.00	0.00	
Kent	1.00	7.00	8.50	13.00	13.00	10.00	10.00	12.00	11.00	11.00	12.00	19.00	19.00	12.00	
Montgomery	0	2.25	2.25	4.00	4.50	4.50	4.50	21.50	21.50	21.50	23.00	26.00	23.00	23.00	10.00
Prince George's	0	0	1.00	8.00	6.75	6.00	12.00	7.00	7.00	13.42	3.00	5.75	3.00	3.00	13.00
Queen Anne's	0.17	13.00	25.25	28.25	31.00	28.50	33.00	17.25	17.25	17.25	25.00	25.00	25.00	22.00	
St. Mary's	1.00	3.50	10.42	12.00	19.67	19.25	19.25	22.50	22.50	22.50	21.50	19.50	19.50	17.50	
Somerset	1.00	1.00	6.67	6.67	6.67	6.67	6.67	20.83	20.83	23.17	15.83	14.00	13.00	9.33	23.83
Talbot	0.00	0.00	6.50	6.50	6.50	8.17	6.50	13.00	13.00	13.00	19.60	27.83	14.00	14.00	0.00
Washington	3.08	2.25	9.72	8.67	7.67	7.67	8.78	11.00	11.00	11.00	4.83	7.00	7.00	4.83	
Wicomico	0.00	1.00	9.25	11.00	8.25	8.25	8.25	7.17	8.50	8.25	4.58	6.83	7.58	4.58	12.00
Worcester	0.00	8.00	14.00	8.50	9.25	10.75	11.25	14.50	17.25	18.75	15.75	16.00	11.00	5.00	
Mean time spent	0.98	4.05	8.27	10.86	11.85	11.85	12.86	14.82	15.02	15.91	17.25	18.43	16.66	14.24	
Modal time spent	0.00	0.00	4.00	4.00	4.00	4.00	8.00	9.00	11.00	11.00	25.00	#N/A	21.00	32.00	
Median time spent	0.00	3.42	6.83	8.25	8.38	8.21	9.84	12.50	12.00	14.71	19.55	19.25	16.50	13.20	
Federally Mandated															11.95*
State Mandated		0.75													2.25**

\* = PARCC Algebra I (4.5 hours), PARCC English 10 (5.2 hours), Biology HSA (2.25 hours)

\*\* = Government HSA (2.25 hours)