TOPIC: Overview of Undergraduate Enrollment, Persistence, and Success at the University System of Maryland

COMMITTEE: Education Policy and Student Life

DATE OF COMMITTEE MEETING: March 3, 2015

SUMMARY: Three annual reports are included under this cover and will be discussed as part of this topic. The three reports are as follows:

- *SAT Percentile Distributions of First-Time Undergraduates;*
- *Retention and Graduation Rates of First-time Full-time Degree Seeking Undergraduates;* and
- *Transfer Students to the University System of Maryland: Patterns of Enrollment and Success.*

When looked at as a whole, the three reports provide a useful overview of undergraduate enrollment within the USM, including the various pipelines that feed undergraduate enrollment, the academic profile of incoming first-time students (as measured by SAT scores), student success and persistence after enrollment, and, in the end, bachelor degree attainment.

For new freshmen, a key admissions component correlated with student success is the entering students' SAT scores. The *SAT Percentile Distributions of First-Time Undergraduates* report presents central tendency data for the SAT scores at each USM institution. The report also provides a context for interpreting those scores by comparing institutional SAT data with those at peer institutions.

The second report, *Retention and Graduation Rates of First-time Full-time Degree Seeking Undergraduates*, examines the level of academic success—as measured by retention and graduation rates—achieved by first-time, full-time students at USM institutions. Key trends in student enrollment and success are broken out and analyzed at both the institutional and Systemwide level.

The third report, *Transfer Students to the University System of Maryland: Patterns of Enrollment and Success,* examines progress within this increasingly important pipeline for enrollment growth. Institutional enrollment and success trends among the transfer population are analyzed and displayed, including changes in the proportion of transfer students to first-time students on USM campuses. Key factors that contribute to transfer success, such as credit attainment prior to transfer or full-time attendance, are also analyzed. Finally, data showing the level of success Maryland Community College transfer students are having at USM's regional centers at Shady Grove and Hagerstown are analyzed.

ALTERNATIVE(S): This report is for information only.

FISCAL IMPACT: This report is for information only.

CHANCELLOR'S RECOMMENDATION: This report is for information only.

COMMITTEE RECOMMENDATION: Information Only   DATE: March 3, 2015

BOARD ACTION: DATE:

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SAT PERCENTILE DISTRIBUTIONS OF FIRST-TIME UNDERGRADUATES
FALL 2010 - 2014

Bowie State University (BSU)
Coppin State University (CSU)
Frostburg State University (FSU)
Salisbury University (SU)
Towson University (TU)
University of Baltimore (UB)
University of Maryland, Baltimore County (UMBC)
University of Maryland, College Park (UMCP)
University of Maryland Eastern Shore (UMES)

SAT Percentile Distributions of First-Time Undergraduates
Fall 2010 - 2014

Background

This report provides the 25th and 75th percentiles of the combined math and reading scores for first-time, full-time, and part-time undergraduates at all USM institutions (except UMB and UMUC). The USM institutions report SAT scores of first-time undergraduates to MHEC annually. These data are also submitted to the U.S. Department of Education's national data system (IPEDS), and are used by external organizations (such as U.S. News) for various purposes, including calculations of institutional quality rankings. Also included in this report are summary findings from the College Board as well as peer data for fall 2013 students. For further information, contact Chad Muntz, cmuntz@usmd.edu (301) 445-2737 or Rebecca Bell, rbell@usmd.edu (301) 445-2779.

USM Scores

- In fall 2014, a total of 10,670 of the 12,399 freshmen who enrolled at a USM institution were reported in the official SAT scores. The decline in the number of SAT scores reported is consistent with the current decreasing trend of new freshmen with SAT scores either because of alternative standardized test scores or admission policy exemptions.

- For the fifth year, four institutions (Salisbury, Towson, UMBC, and UMCP) reported that at least three-quarters of their freshmen class had combined SAT scores greater than 1,000. Based on this distribution, nearly 70% of the USM New Freshmen with combined SAT scores were above 1,000. See Table 1 for score distributions by campus

Maryland High School Graduates Trends (College Board*)*

- Last year, 49,665 Maryland high school graduates took the SAT. This is roughly two-thirds of the high school graduates in Maryland. The mean Maryland scores were slightly below national means.
    - o 495 Math mean compared to national mean of 513
    - o 492 Reading mean compared to national mean of 497

- Only, half (24,637) of the Maryland graduates sent test scores to USM institutions. Those students' scores were slightly higher than the Maryland state and National averages.
    - o 533 Math mean (15,329 scored 500 or above)
    - o 527 Reading mean (14,979 scored 500 or above)
    - o USM applicants percentile distribution was 1,220 (75th); 1,160 (50th); and 990 (25th)
    - o 3.24 mean high school GPA (21,420 finished 3.00 or above)
    - o 16,978 completed 4 or more math courses in high school

National Trends from the National Center for Education Statistics (IPEDS)

- Nationally, USM institutions are competitive with respective peer institutions on the 25th and 75th percentiles of math and reading scores. Table 2 displays fall 2013 (the most recently available) SAT data for critical reading and mathematics scores. Highlighted are the USM institutions within alphabetical lists of their peer institutions.

SAT Percentile Distributions of First-Time Undergraduates
Fall 2010 - 2014

Table 1
Trends in SAT 25th and 75th Percentile Scores
Fall 2010 – Fall 2014

Institution	Fall 2010		Fall 2011		Fall 2012		Fall 2013		Fall 2014	
	25th	75th	25th	75th	25th	25th	75th	25th	75th	25th
UMCP	1220	1380	1220	1380	1220	1390	1230	1390	1230	1400
UMBC	1110	1290	1120	1280	1130	1300	1130	1300	1120	1290
SU	1050	1210	1090	1200	1100	1205	1100	1210	1090	1210
TU	1000	1150	1010	1160	1010	1150	1010	1160	1010	1150
UB	850	1025	840	1040	840	1040	840	1030	830	1020
FSU	880	1070	890	1060	890	1070	880	1060	880	1070
BSU	820	940	820	940	830	960	780	930	820	930
CSU	790	910	810	920	820	920	810	930	810	950
UMES	770	920	790	940	790	940	800	940	780	920

NOTE: All scores Include all first-time, full-time and part-time, degree and non-degree seeking students.

Source: MHEC Form S-11

Table 1 (above) displays the combined SAT scores at the 25th and 75th percentiles for fall 2010 through fall 2014. Fifty percent of incoming freshmen received SAT scores in the range between the 25th and 75th scores displayed in the table.

Table 2. Fall 2013 IPEDS SAT Quartiles of Peer Institutions by USM Institutions

| | Math | | Reading | |
Bowie State and Institutional Peers	25th	75th	25th	75th
Alabama A & M University*	350	450	370	450
Alabama State University*	370	480	380	480
Auburn University at Montgomery**	-	-	-	-
Bowie State University	400	470	410	490
California State University-Bakersfield	400	520	390	500
Columbus State University	430	540	440	550
Indiana University-Southeast	430	520	420	530
New Jersey City University	420	520	400	493
Norfolk State University	400	480	400	480
Prairie View A & M University	380	480	370	460
Sul Ross State University*	380	500	360	490
Mean of Peers (excluding USM institution)	*396*	*499*	*392*	*493*

| | Math | | Reading | |
Coppin State and Institutional Peers	25th	75th	25th	75th
Albany State University	400	470	420	480
Alcorn State University*	410	480	400	460
Augusta State University***	-	-	-	-
Cheyney University of Pennsylvania***	-	-	-	-
Coppin State University	400	470	410	480
Henderson State University*	490	590	460	538
Louisiana State University-Shreveport*	520	540	440	510
Nicholls State University*	482	607	437	537
University of North Carolina at Pembroke	430	510	410	500
Virginia State University	360	445	370	450
Western New Mexico University***	-	-	-	-
Mean of Peers (excluding USM institution)	*442*	*520*	*420*	*496*

| | Math | | Reading | |
Frostburg State and Institutional Peers	25th	75th	25th	75th
Bridgewater State University	450	550	440	540
Clarion University of Pennsylvania	400	520	400	510
East Stroudsburg University of Pennsylvania	450	530	430	480
Frostburg State University	430	540	430	530
Indiana University-South Bend	430	530	430	530
Rhode Island College	410	520	410	520
Sonoma State University	450	560	450	550
SUNY College at Plattsburgh	470	570	460	550
SUNY College at Potsdam***	-	-	-	-
University of Massachusetts-Dartmouth	490	590	470	570
Western Connecticut State University***	-	-	-	-
Mean of Peers (excluding USM institution)	*444*	*546*	*436*	*531*

* Institution reports both SAT and ACT scores in IPEDS, but the majority of students report ACT scores.

** Institution only reports ACT scores in IPEDS.

*** Institution does not report SAT or ACT scores in IPEDS.

Note. The peer institutions displayed are based the MHEC's *Funding Guidelines Peer Performance Analysis* (March 2010).   4

Table 2 (cont.)   Fall 2013 IPEDS SAT Quartiles of Peer Institutions by USM Institutions

	Math		Reading	
Salisbury Univ. and Institutional Peers	25th	75th	25th	75th
Bloomsburg University of Pennsylvania	460	550	440	530
Millersville University of Pennsylvania	460	560	460	550
Salisbury University	540	620	540	610
Sonoma State University	450	560	450	550
Southeast Missouri State University*	460	595	435	555
SUNY at Fredonia	470	580	470	570
SUNY College at Oswego	520	590	520	590
SUNY College at Plattsburgh	470	570	460	550
University of Massachusetts-Dartmouth	490	590	470	570
University of North Carolina-Wilmington	560	630	540	620
University of Northern Iowa*	500	640	-	-
Mean of Peers (excluding USM institution)	*488*	*590*	*479*	*570*

	Math		Reading	
Towson Univ. and Institutional Peers	25th	75th	25th	75th
Ball State University	490	570	490	590
California State University-Sacramento	430	540	410	520
East Carolina University	500	570	480	550
Eastern Michigan University*	460	570	440	570
James Madison University	530	630	520	620
Portland State University	460	580	460	590
Towson University	500	590	490	580
University of Massachusetts-Boston	470	580	430	550
University of North Carolina at Charlotte	500	600	480	560
University of Northern Iowa*	500	640	-	-
Western Kentucky University*	420	570	410	580
Mean of Peers (excluding USM institution)	*476*	*585*	*458*	*570*

	Math		Reading	
Univ. of Baltimore and Institutional Peers	25th	75th	25th	75th
Auburn University at Montgomery**	-	-	-	-
Citadel Military College of South Carolina	500	600	480	590
Governors State University***	-	-	-	-
New Jersey City University	420	520	400	493
Texas A & M University-Corpus Christi	450	540	420	520
University of Baltimore	410	510	430	530
University of Houston-Clear Lake***	-	-	-	-
University of Illinois at Springfield*	440	665	465	623
University of Michigan-Dearborn*	498	660	-	-
University of Wisconsin-Whitewater*	470	600	470	580
Western Connecticut State University***	-	-	-	-
Mean of Peers (excluding USM institution)	*463*	*598*	*447*	*561*

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Note. The peer institutions displayed are based the MHEC's *Funding Guidelines Peer Performance Analysis* (March 2010).

Table 2 (cont.)   Fall 2013 IPEDS SAT Quartiles of Peer Institutions by USM Institutions

	Math		Reading	
UM Baltimore County and Institutional Peers	25th	75th	25th	75th
Clemson University	590	680	560	660
Mississippi State University*	490	630	480	620
New Jersey Institute of Technology	550	660	480	590
Oklahoma State University-Main Campus*	520	620	490	600
University of Arkansas*	520	630	500	600
University of California-Riverside	500	630	470	580
University of California-Santa Cruz	490	620	470	610
University of Maryland-Baltimore County	570	670	540	640
University of Massachusetts Amherst	570	670	540	640
University of Rhode Island	490	590	480	580
University of Wyoming*	500	630	480	610
Mean of Peers (excluding USM institution)	*522*	*636*	*495*	*609*

	Math		Reading	
UM College Park and Institutional Peers	25th	75th	25th	75th
University of California-Berkeley	630	770	590	720
University of California-Los Angeles	600	760	560	680
University of Illinois at Urbana-Champaign*	700	780	560	670
University of Maryland-College Park	620	730	580	690
University of Michigan-Ann Arbor*	660	760	620	720
University of North Carolina at Chapel Hill	610	710	590	700
Mean of Peers (excluding USM institution)	*640*	*756*	*584*	*698*

	Math		Reading	
UM Eastern Shore and Institutional Peers	25th	75th	25th	75th
Alabama A & M University*	350	450	370	450
Albany State University	400	470	420	480
Alcorn State University*	410	480	400	460
California State University-Bakersfield	400	520	390	500
Fort Valley State University	370	450	380	460
North Carolina A & T State University	420	500	400	480
Prairie View A & M University	380	480	370	460
South Carolina State University	425	436	400	416
University of Maryland Eastern Shore	390	480	400	480
University of North Carolina at Pembroke	430	510	410	500
Virginia State University	360	445	370	450
Mean of Peers (excluding USM institution)	*395*	*474*	*391*	*466*

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*** Institution only reports ACT scores in IPEDS.*

*** Institution does not report SAT or ACT scores in IPEDS.*

Note. The peer institutions displayed are based the MHEC's *Funding Guidelines Peer Performance Analysis* (March 2010).