



SUMMARY OF ITEM FOR ACTION,
INFORMATION OR DISCUSSION

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 13, 2013

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 and full-time attendance, are also analyzed. Finally, for the first time, 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:

DATE:

BOARD ACTION:

DATE:

SUBMITTED BY: Joseph F. Vivona (301) 445-1923



**SAT PERCENTILE DISTRIBUTIONS OF
FIRST-TIME UNDERGRADUATES
FALL 2008 - 2012**

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)

**Office of the Chief Operating Officer and
Vice Chancellor for Administration and Finance
University System of Maryland Office
March 2013**

SAT Percentile Distributions of First-Time Undergraduates Fall 2008 - 2012

Background

The University System of Maryland institutions report SAT scores of first-time undergraduates to MHEC annually. The institutions report average SAT scores for the verbal and math sections, a verbal and math combined average score, and the 25th and 75th percentiles of the combined scores. The distributions include SAT scores for first-time, full-time, and part-time undergraduates at all USM institutions except UMB and UMUC. Included in this report are only the 25th and 75th percentile combined math and critical reading scores to give decision-makers a sense of the score distributions for the middle 50 percent of first-time freshmen. For further information, contact Chad Muntz, cmuntz@usmd.edu (301) 445-2737 or Rebecca Bell, rbell@usmd.edu (301) 445-2779.

Highlights

- In fall 2012, a total of 10,568 freshmen who enrolled at a USM institution reported SAT scores. This represented a decrease of 102 from fall 2011 (10,670). The decline in the number of SAT scores reported is consistent with the current decreasing trend of new freshmen enrollments as well as reflects the decreasing number of enrolled freshmen that provided SAT scores.
- Most USM institutions experienced stable combined 25th and 75th percentile SAT scores between fall 2011 and fall 2012. Only Bowie and UMBC had an increase greater than 10 points in either the 25th and 75th scores.
- For the fourth 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.

Maryland Public High School Test-Taker Trends (College Board)

- For the past five years, the number of Maryland public school students taking the SATs has fluctuated minimally but it is consistently above 36,000. Last year, 38,386 Maryland public school students took the SATs in 2011-2012 – a slight (-0.1%) decrease from the year prior according to the College Board.
- Average SAT scores for 2011-12 college bound students from Maryland public high schools decreased by 3 points in critical reading (489) and increased by one point in mathematics (498) over the 2010-11 average scores according to The College Board. Maryland's public high school students' average scores are insignificantly different than national averages.

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

- Nationally, USM institutions are competitive with respective peer institutions on the 25th and 75th math and reading scores. Table 2 displays the most recent IPEDS data for fall 2011 SAT 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 2008 - 2012

Table 1
Trends in SAT 25th and 75th Percentile Scores
Fall 2008 – Fall 2012

| Institution | 2008 | | 2009 | | 2010 | | 2011 | | 2012 | |
|-------------|------|------|------|------|------|------|------|------|------|------|
| | 25th | 75th | 25th | 75th | 25th | 75th | 25th | 75th | 25th | 75th |
| UMCP | 1190 | 1360 | 1220 | 1370 | 1220 | 1380 | 1220 | 1380 | 1220 | 1390 |
| UMBC | 1090 | 1280 | 1080 | 1270 | 1110 | 1290 | 1120 | 1280 | 1130 | 1300 |
| SU | 1040 | 1210 | 1060 | 1190 | 1050 | 1210 | 1090 | 1200 | 1100 | 1205 |
| TU | 990 | 1150 | 1000 | 1150 | 1000 | 1150 | 1010 | 1160 | 1010 | 1150 |
| UB | 850 | 1030 | 830 | 1040 | 850 | 1025 | 840 | 1040 | 840 | 1040 |
| FSU | 870 | 1060 | 870 | 1040 | 880 | 1070 | 890 | 1060 | 890 | 1070 |
| BSU | 800 | 950 | 800 | 940 | 820 | 940 | 820 | 940 | 830 | 960 |
| CSU | 800 | 890 | 810 | 930 | 790 | 910 | 810 | 920 | 820 | 920 |
| UMES | 742 | 900 | 760 | 910 | 770 | 920 | 790 | 940 | 790 | 940 |

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 2008 through fall 2012. Figure 1 (below) depicts ranges for the fall 2012 distributions for each institution. Fifty percent of incoming freshmen received SAT scores in the range between the markers on the graph.

Figure 1
University System of Maryland
Fall 2012 SAT Percentiles

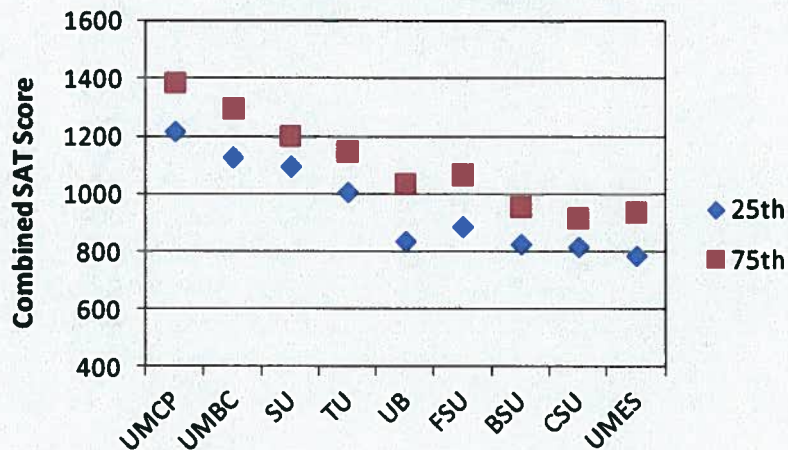


Table 2. Fall 2011 IPEDS SAT Quartiles of Peer Institutions by USM Institutions

| <u>Bowie State and Institutional Peers</u> | Math | | Reading | |
|--|------------|------------|------------|------------|
| | 25th | 75th | 25th | 75th |
| Alabama A & M University* | 360 | 450 | 370 | 450 |
| Alabama State University* | 350 | 450 | 360 | 450 |
| Auburn University at Montgomery** | - | - | - | - |
| Bowie State University | 410 | 480 | 410 | 480 |
| California State University-Bakersfield | 410 | 530 | 400 | 510 |
| Columbus State University | 420 | 530 | 440 | 550 |
| Indiana University-Southeast | 420 | 520 | 420 | 530 |
| New Jersey City University | 415 | 490 | 390 | 480 |
| Norfolk State University | 390 | 470 | 400 | 480 |
| Prairie View A & M University | 390 | 480 | 370 | 450 |
| Sul Ross State University*** | - | - | - | - |
| <i>Mean of Peers (excluding USM institution)</i> | <i>394</i> | <i>490</i> | <i>394</i> | <i>488</i> |

| <u>Coppin State and Institutional Peers</u> | Math | | Reading | |
|--|------------|------------|------------|------------|
| | 25th | 75th | 25th | 75th |
| Albany State University | 390 | 450 | 390 | 460 |
| Alcorn State University* | 400 | 520 | 390 | 470 |
| Augusta State University | 440 | 540 | 440 | 540 |
| Cheyney University of Pennsylvania*** | - | - | - | - |
| Coppin State University | 390 | 460 | 400 | 460 |
| Henderson State University* | 450 | 520 | 380 | 579 |
| Louisiana State University-Shreveport* | 460 | 550 | 430 | 510 |
| Nicholls State University* | 470 | 610 | 420 | 550 |
| University of North Carolina at Pembroke | 420 | 500 | 410 | 490 |
| Virginia State University | 390 | 470 | 390 | 460 |
| Western New Mexico University*** | - | - | - | - |
| <i>Mean of Peers (excluding USM institution)</i> | <i>428</i> | <i>520</i> | <i>406</i> | <i>507</i> |

| <u>Frostburg State and Institutional Peers</u> | Math | | Reading | |
|--|------------|------------|------------|------------|
| | 25th | 75th | 25th | 75th |
| Bridgewater State University | 470 | 558 | 460 | 550 |
| Clarion University of Pennsylvania | 420 | 530 | 420 | 520 |
| East Stroudsburg University of Pennsylvania | 460 | 540 | 440 | 530 |
| Frostburg State University | 440 | 540 | 440 | 540 |
| Indiana University-South Bend | 430 | 530 | 420 | 530 |
| Rhode Island College | 420 | 520 | 420 | 520 |
| Sonoma State University | 460 | 570 | 450 | 560 |
| SUNY College at Plattsburgh | 480 | 560 | 470 | 550 |
| SUNY College at Potsdam*** | - | - | - | - |
| University of Massachusetts-Dartmouth | 480 | 590 | 460 | 560 |
| Western Connecticut State University | 450 | 540 | 450 | 540 |
| <i>Mean of Peers (excluding USM institution)</i> | <i>452</i> | <i>549</i> | <i>443</i> | <i>540</i> |

* 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).

Table 2 (cont.) Fall 2011 IPEDS SAT Quartiles of Peer Institutions by USM Institutions

| <u>Salisbury Univ. and Institutional Peers</u> | Math | | Reading | |
|--|------------|------------|------------|------------|
| | 25th | 75th | 25th | 75th |
| Bloomsburg University of Pennsylvania | 460 | 560 | 450 | 540 |
| Millersville University of Pennsylvania | 480 | 580 | 470 | 570 |
| Salisbury University | 540 | 620 | 530 | 600 |
| Sonoma State University | 460 | 570 | 450 | 560 |
| Southeast Missouri State University* | 450 | 600 | 440 | 590 |
| SUNY at Fredonia | 490 | 590 | 480 | 580 |
| SUNY College at Oswego | 530 | 600 | 530 | 600 |
| SUNY College at Plattsburgh | 480 | 560 | 470 | 550 |
| University of Massachusetts-Dartmouth | 480 | 590 | 460 | 560 |
| University of North Carolina-Wilmington | 550 | 620 | 540 | 620 |
| University of Northern Iowa** | - | - | - | - |
| <i>Mean of Peers (excluding USM institution)</i> | <i>492</i> | <i>589</i> | <i>482</i> | <i>577</i> |

| <u>Towson Univ. and Institutional Peers</u> | Math | | Reading | |
|--|------------|------------|------------|------------|
| | 25th | 75th | 25th | 75th |
| Ball State University | 480 | 580 | 480 | 580 |
| California State University-Sacramento | 430 | 540 | 410 | 530 |
| East Carolina University | 490 | 570 | 460 | 550 |
| Eastern Michigan University* | 450 | 580 | 430 | 580 |
| James Madison University | 550 | 650 | 540 | 640 |
| Portland State University | 460 | 580 | 460 | 590 |
| Towson University | 500 | 590 | 490 | 580 |
| University of Massachusetts-Boston | 460 | 570 | 420 | 540 |
| University of North Carolina at Charlotte | 500 | 590 | 480 | 570 |
| University of Northern Iowa** | - | - | - | - |
| Western Kentucky University* | 430 | 580 | 430 | 550 |
| <i>Mean of Peers (excluding USM institution)</i> | <i>472</i> | <i>582</i> | <i>457</i> | <i>570</i> |

| <u>Univ. of Baltimore and Institutional Peers</u> | Math | | Reading | |
|---|------------|------------|------------|------------|
| | 25th | 75th | 25th | 75th |
| Auburn University at Montgomery** | - | - | - | - |
| Citadel Military College of South Carolina | 490 | 590 | 470 | 580 |
| Governors State University*** | - | - | - | - |
| New Jersey City University | 415 | 490 | 390 | 480 |
| Texas A & M University-Corpus Christi | 430 | 540 | 420 | 530 |
| University of Baltimore | 420 | 510 | 430 | 540 |
| University of Houston-Clear Lake*** | - | - | - | - |
| University of Illinois at Springfield** | - | - | - | - |
| University of Michigan-Dearborn** | - | - | - | - |
| University of Wisconsin-Whitewater* | 450 | 560 | 420 | 540 |
| Western Connecticut State University | 450 | 540 | 450 | 540 |
| <i>Mean of Peers (excluding USM institution)</i> | <i>447</i> | <i>544</i> | <i>430</i> | <i>534</i> |

* 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.

Table 2 (cont.) Fall 2011 IPEDS SAT Quartiles of Peer Institutions by USM Institutions

| <u>UM Baltimore County and Institutional Peers</u> | Math | | Reading | |
|--|------|------|---------|------|
| | 25th | 75th | 25th | 75th |
| Clemson University | 590 | 680 | 550 | 650 |
| Mississippi State University* | 490 | 630 | 480 | 605 |
| New Jersey Institute of Technology | 540 | 650 | 470 | 580 |
| Oklahoma State University-Main Campus* | 510 | 620 | 490 | 600 |
| University of Arkansas* | 520 | 630 | 500 | 610 |
| University of California-Riverside | 480 | 610 | 450 | 560 |
| University of California-Santa Cruz | 510 | 640 | 490 | 630 |
| University of Maryland-Baltimore County | 570 | 670 | 540 | 640 |
| University of Massachusetts Amherst | 560 | 650 | 530 | 630 |
| University of Rhode Island | 490 | 590 | 470 | 570 |
| University of Wyoming* | 490 | 610 | 490 | 600 |
| <i>Mean of Peers (excluding USM institution)</i> | 518 | 631 | 492 | 604 |

| <u>UM College Park and Institutional Peers</u> | Math | | Reading | |
|--|------|------|---------|------|
| | 25th | 75th | 25th | 75th |
| University of California-Berkeley | 630 | 760 | 600 | 730 |
| University of California-Los Angeles | 610 | 740 | 570 | 680 |
| University of Illinois at Urbana-Champaign* | 690 | 780 | 540 | 660 |
| University of Maryland-College Park | 610 | 710 | 580 | 680 |
| University of Michigan-Ann Arbor* | 670 | 770 | 630 | 730 |
| University of North Carolina at Chapel Hill | 610 | 710 | 590 | 700 |
| <i>Mean of Peers (excluding USM institution)</i> | 642 | 752 | 586 | 700 |

| <u>UM Eastern Shore and Institutional Peers</u> | Math | | Reading | |
|--|------|------|---------|------|
| | 25th | 75th | 25th | 75th |
| Alabama A & M University* | 360 | 450 | 370 | 450 |
| Albany State University | 390 | 450 | 390 | 460 |
| Alcorn State University* | 400 | 520 | 390 | 470 |
| California State University-Bakersfield | 410 | 530 | 400 | 510 |
| Fort Valley State University | 370 | 450 | 370 | 450 |
| North Carolina A & T State University | 410 | 500 | 390 | 480 |
| Prairie View A & M University | 390 | 480 | 370 | 450 |
| South Carolina State University | 380 | 470 | 380 | 460 |
| University of Maryland Eastern Shore | 390 | 480 | 390 | 470 |
| University of North Carolina at Pembroke | 420 | 500 | 410 | 490 |
| Virginia State University | 390 | 470 | 390 | 460 |
| <i>Mean of Peers (excluding USM institution)</i> | 392 | 482 | 386 | 468 |

* 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).