Class Size in Maryland Public Schools: 2021-2022 School Year

Division of Assessment, Accountability and Performance Reporting

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MARYLAND STATE DEPARTMENT OF
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EQUITY AND EXCELLENCE

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Introduction

Maryland Annotated Code, Chapter 638, §7-119 was enacted by the 2009 Maryland General Assembly. The law required the Maryland State Department of Education (MSDE) to develop a uniform data collection method for tracking the number of students regularly participating in a teacher's class. The data collection system was to be in place by the beginning of the 2012-2013 school year and would reflect the status of Maryland classrooms as of September 30 of each year. The initial report was submitted in January 2013. This document is the eleventh report on class size and complies with the State law accordingly.

The Maryland class size report seeks to count, as accurately as possible, the number of students in each class with a teacher, while capturing the entire range of classes and instructional arrangements that students face throughout the day. Findings on the average class sizes and the distribution of classes by size are disaggregated by grade level into elementary, middle, high, elementary/middle, elementary/middle/high, and middle/high schools. Additionally, the report provides information on the average class sizes and the distribution of classes by size for reading and math content classes only (grades three to 12) and for core academic subject classes for all schools statewide and by Local Education Agency (LEA).

The analysis in this report focuses on the average class sizes and the distribution of classes by size, in intervals of five or fewer students, six to 10 students, 11 to 15 students, 16 to 20 students, 21 to 25 students, 26 to 30 students, 31 to 35 students, and 36 or more students in a class. Average class sizes and the distribution of classes by size are reported for all schools statewide and by LEA. Data on the SEED School of Maryland is included in the charts found in the appendices but not incorporated into the report's narrative analysis of LEAs.

The MSDE publishes the class size reports because of the extensive cooperation of educators statewide. The MSDE and LEAs have made enhancements to their respective data systems and will continue to make enhancements where necessary. This document reports on the school year 2021-2022 class size data as required in State law.

Methodology

To respond to the requirements from Education Article 7-119 of the Annotated Code of Maryland, MSDE has developed a uniform methodology for tracking the number of students regularly participating in a teacher's class. This methodology is supported by two annual data collections from local education agencies to the State, the Maryland Course Catalog (MCC) and the Student Course Grade Teacher (SCGT). The MSDE collects these data collections through a secure online data sharing platform, the Maryland Online Data Exchange (MODE).

THE MARYLAND COURSE CATALOG

The Maryland Course Catalog (MCC) is a course classification system and data collection that contains information on all courses offered to at least one student in Maryland's public schools during a school year. The MCC data collection includes a comprehensive set of course attributes including characteristics such as the course subject area, the course number, the course level (e.g., whether it is a general course, an Advanced Placement course, a dual enrollment course, etc.), the course term length and instructional time, and the grade span).

Each LEA provides data to the State in two annual MCC collection windows. The first is the Early MCC in which LEAs upload preliminary course data which provide an opportunity to resolve errors identified through error reporting provided in the MODE system. The second End-of-Year (EOY) MCC data collection includes course information for the entire school year. LEAs use the EOY MCC to add courses, revise previous ones, and finalize MCC data. All LEAs are required to submit files during both data collection windows.

The MCC course classification system leverages the School Codes for the Exchange of Data (SCED). The SCED is a nationally developed, "common classification system for prior-to-secondary and secondary school courses."[1] To ensure a statewide standardization of courses is achieved, LEAs are required to align their local course codes to the SCED codes. The integration of SCED into MCC allows MSDE to standardize course information across all 24 of Maryland's LEAs and the SEED school of Maryland. By utilizing the SCED codes, LEAs have the flexibility of maintaining their own local course coding systems.

The annual class size report uses data submitted as final from the LEAs in the EOY MCC.

THE STUDENT COURSE GRADE TEACHER (SCGT)

The Student Course Grade Teacher (SCGT) data collection contains student level information specific to the courses taken during a school year. The SCGT data collection includes information on students and the courses taken and final grades. This data collection also provides a link from a student to a teacher. LEAs report to the State all public students enrolled in at least one course taught by a classroom teacher during the school year.

Each LEA provides data to the State in two annual SCGT collection windows. The first is the Early SCGT in which LEAs upload preliminary data which provides an opportunity to resolve errors identified through error reporting provided in the MODE system. The second window is the End-of-Year (EOY) SCGT and contains information for the entire school year. LEAs use the EOY SCGT to add records, revise previous ones, and finalize the SCGT data. All LEAs are required to submit files during both data collection windows.

Each course taught by a classroom teacher must be reported in the SCGT, including courses that were attempted or completed. The classroom teacher is the person primarily responsible for the student. Classroom teachers do not include curriculum specialists, guidance counselors, librarians, media specialists, instructional aides, attendance personnel, health services personnel, psychologists, social workers, clerical personnel, or community college staff. Classroom teachers do not include either those individuals whose primary functions do not require skills in the field of education and who are not responsible for the day-to-day instruction of the same group of students.

The annual class size report uses data submitted as final from the LEAs in the EOY SCGT. The SCGT data is linked to the MCC data to identify and verify all courses taken by each public-school student during the school year. The resulting information provided by each LEA to the State includes the data needed to calculate class sizes for each LEA and for the State.

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[1] See the National Forum on Education Statistics' SCED site.

HOW CLASS SIZES ARE CALCULATED

MSDE creates a classroom key using the EOY MCC and EOY SCGT data which is used in the counting of classrooms at each LEA and in the State by academic years, grade levels, primary teachers, and course marking terms. The MSDE generated classroom key values are then used to calculate class sizes. Class size calculations include students with course enrollments in public elementary, middle, high, combined, or charter schools in the State. Courses administered during the summer months are not included.

The following components are used to calculate the average class size:

Total Number of Student Course Enrollments: Count of student course enrollments among included courses.

Total Number of Classrooms: Count of classrooms identified using the MSDE's classroom key. The term *classroom* is defined here as a unique session of a course.

Class Size: Category based on the number of student course enrollments among included classrooms. The class size categories are: Less than 5; 6 to 10; 11 to 15; 16 to 20; 21 to 25; 26 to 30; 31 to 35; and 36 or Greater.

Average Class Size: Total number of student course enrollments among included classrooms, regardless of class size, divided by the total number of classrooms, regardless of class size.

The average class size for 2021-2022 school year was calculated with the formula below:

$$\frac{Total\ number\ of\ student\ course\ enrollments}{Total\ number\ of\ classrooms} = \frac{8{,}086{,}785}{422{,}066} = 19.16$$

Findings

The findings in the school year 2021-2022 class size report are not unlike Maryland's 24 LEAs themselves, varied in some ways and remarkably consistent in others. While some outliers in the data may be of interest, a fair number of LEAs have similar class sizes. The data on class size is reported in intervals of five or fewer students, six to 10 students, 11 to 15 students, 16 to 20 students, 21 to 25 students, 26 to 30 students, 31 to 35 students, and 36 or more students in a class. This data is reported by all schools and disaggregated by elementary, elementary/middle, middle, elementary/middle/high, middle/high, and high schools.

While there are some outliers, many of Maryland's LEAs have similar class sizes. Statewide average class sizes are largest at the elementary school level, followed by the middle school level, and smallest at the high school level. Data on the SEED School of Maryland is included in the charts found in the appendices but not included in the report's narrative analysis of LEAs.

Overall, the reported average class size in Maryland in the 2021-2022 school year was 19.2.

The analysis found 62 percent of all classes ranged from 16 to 30 students, and within this range, 25 percent of classes contained 21 to 25 students. The percentage of classes with fewer than 16 students (29 percent) and over 30 students (ten percent) was far lower than between 16 and 30 students. Additionally, 13 percent of classes contained five or fewer students and four percent of classes contained 36 or more students. The largest class size average in Maryland was in Harford County with 26 students, while the smallest class size average in the State was Kent County with 14 students. Ten of the 24 LEAs had average class sizes with more than 20 students, ranging from 20.5 students (Calvert County) to 26 students (Harford County). The other 14 LEAs had average class sizes with fewer than 20 students, ranging from 14 students (Kent County) to 19.4 students (Cecil County).

By category, the average class sizes in Maryland in the 2021-2022 school year were 21 students (for elementary schools), 19.3 students (for middle schools), and 17.5 students (for high schools).

At the elementary school level, the average class size ranged from 15 students in Allegany County to 33.6 students in Harford County. LEA class size at the elementary school level can be categorized into three groups: eleven LEAs had average class sizes with fewer than 20 students, ranging from 15 students (Allegany County) to 19.4 students (Queen Anne's County); eleven LEAs had average class sizes between 20 and 29 students, ranging from 20 students (Cecil County) to 28.5 students (Dorchester County); and two LEAs had average class sizes with more than 30 students, (Charles County, with an average of 30.6 students, and Harford County, with an average of 33.6 students).

At the middle school level, class sizes ranged from an average of 11.8 students in Kent County to 26.3 students in Frederick County. Kent County was one of four LEAs with an average class size of fewer than 15 students, along with Somerset County, Baltimore City, and Worcester County. Thirteen LEAs had average class sizes with fewer than 20 students, ranging from 11.8 students (Kent County) to 19.8 students (Garrett County); while eleven LEAs had average class sizes with more than 20 students, ranging from 20.1 students (Cecil County) to 26.3 students (Frederick County).

At the high school level, class sizes ranged from an average of 11.5 students in Allegany County to 23 students in Frederick County. LEAs' classes at the high school level can be categorized into three groups based on their size: Three LEAs had average class sizes with fewer than 15 students, ranging from 11.5 (Allegany County) to 14.7 students (Carroll County); fifteen LEAs had average class sizes between 15 and 20 students, ranging from

15.1 students (Worcester County) to 19.9 students (St. Mary's County); and five LEAs had average class sizes with more than 20 students, ranging from 20.3 students (Harford County) to 23 students (Frederick County).[2]

The distribution of class size averages across LEAs compared to the statewide average was narrowest at the high school level and largest at the elementary school level.

In the 2021-2022 school year, 12 LEAs operated combined elementary/middle schools, two LEAs operated combined elementary/middle/high schools, and seven LEAs operated combined middle/high schools. Of the 26,428 classes reported in combined elementary/middle schools statewide, 67.4 percent were in Baltimore City and 22.1 percent were in Prince George's County. The statewide average class size of combined elementary/middle schools was 18.6 students.

The average class size of combined elementary/middle/high schools was 21.9 students.[3] Of the 4,462 classes offered in combined middle/high schools statewide, 49 percent were in Baltimore City. The statewide average class size of combined middle/high schools was 15.1 students. (See the appendices for the disaggregated data on all LEAs.)

Classes containing an average of 16 to 20 students and 21 to 25 students accounted, respectively, for 32 and 33 percent of Maryland's elementary school classes. Statewide, 75 percent of elementary school classes ranged in size from 16 to 30 students.

Six LEAs reported that 50 percent or more of their elementary school classes contained between 16 and 20 students: Somerset County (63 percent), Caroline County (58 percent), Talbot County (57 percent), Queen Anne's County (57 percent), Worcester County (55 percent), and Dorchester County (53 percent).

Only three percent of elementary school classes statewide contained 36 or more students.

Ten LEAs reported that 0% of their elementary school classes were in this category: Baltimore City, Calvert, Caroline, Cecil, Garrett, Kent, Queen Anne's, Somerset, Talbot, and Worcester Counties. However, two LEAs reported that 10 percent or more of their classes contained 36 or more students: Wicomico County (18 percent), and Baltimore County (13 percent).

Only 9 percent of elementary school classes statewide contained five or fewer students.

The class size distribution in this category ranged from 0% of all classes in four LEAs (Dorchester, Queen Anne's, St. Mary's, and Talbot Counties) to 21 percent of classes in Baltimore City, 23 percent in Allegany County, and 24 percent of classes in Anne Arundel County.

Twelve percent of middle school classes statewide contained five or fewer students.

Four LEAs reported that 16 percent or more of their middle school classes contained five or fewer students: Anne Arundel County (37 percent), Baltimore City (33 percent), Kent County (21 percent), and Montgomery County (16 percent). In contrast, the following seven LEAs reported that four percent of their classes or less contained five or fewer students: Cecil, Frederick, Garrett, Howard, Prince George's, St. Mary's, and Talbot Counties.

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[2] Note that Somerset County was not included in the high school analysis of average class sizes since both high schools in Somerset County are combined middle/high schools.
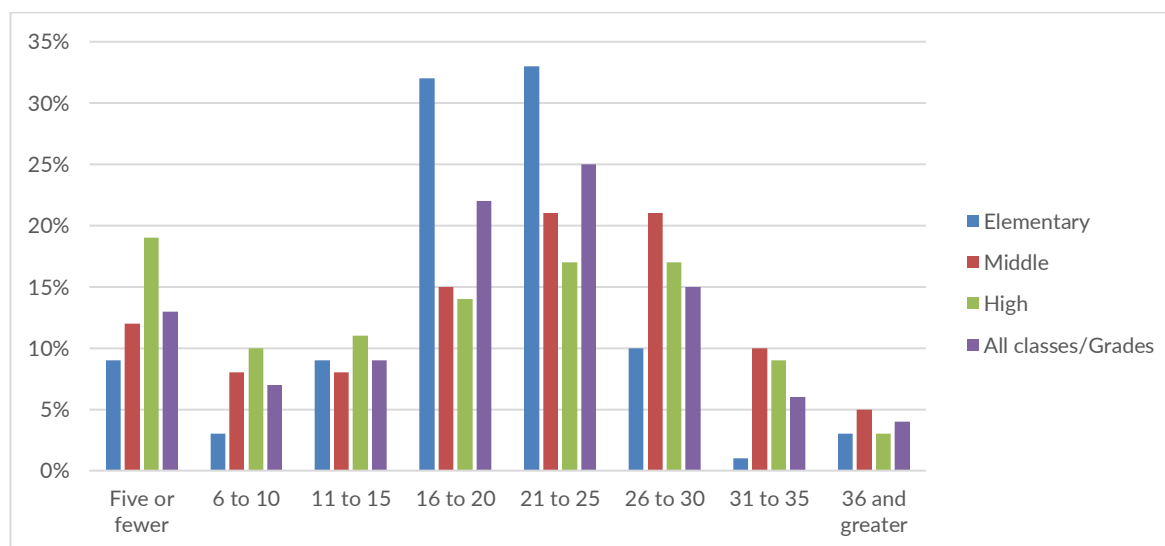
[3] Note that Prince George's County and Harford County were the only LEAs operating this type of school.

The proportion of classes statewide with five or fewer students at the high school level was 19%, ten percentage points higher than the proportion at the elementary school level and 7 percentage points higher than the proportion at the middle school level.

Seven LEAs reported that more than 20 percent of their high school classes contained five or fewer students: Allegany County (41 percent), Anne Arundel County (26 percent), Carroll County (36 percent), Kent County (36 percent), Montgomery County (25 percent), Talbot County (23 percent), and Washington County (23 percent). Thirteen LEAs reported between 10 and 20 percent of their classes in this category and the remaining three LEAs reported that less than 10 percent of their classes contained five or fewer students.[4]

Figure 1 shows, by grade level, the range of average class sizes reported in the 2021-2022 school year for all elementary, middle, and high schools in Maryland.

Figure 1. 2021-2022 Class Size Range by Grade Span*

  * Combined elementary/middle, elementary/middle/high, and middle/high schools were not included in Figure 1 because they constitute a small number of schools statewide.

The class size distribution differs by grade level. At the elementary school level, the distribution centered on the 16 to 20 and 21 to 25 student class size ranges, which, combined, represented 65 percent of the elementary school classes offered across the State. In contrast, the distribution at the middle school level centered on the 21 to 25 and 26 to 30 student class size ranges, which, combined, represented 42% of middle school classes offered across the State. The distribution at the high school level was unique in that classes with five or fewer students represented the largest proportion of classes (19%), followed by classes with 21 to 25 and 26 to 30 students, accounting each for 17% of all classes statewide.

For reading and math classes only (grades three to 12), the overall average class size statewide was 18.5 students, which is slightly lower than the overall statewide class size average for all grades (at 19.2 students).

Sixty-three percent of reading and math classes contained 16 to 30 students, while 13 percent contained five or fewer students. Only two percent of classes contained 36 or more students. Seventeen LEAs had average class sizes with fewer than 20 students for reading and math classes only, ranging from 13.1 students (Somerset

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[4] Note that Somerset County data was not reported in the high school data analysis of class size distributions since both high schools in Somerset County are combined middle/high schools.

County) to 19.9 students (Charles County). The remaining seven LEAs had average class sizes with 20 or more students, ranging from 20 students (Calvert County) to 23.9 students (Baltimore County).

For core academic subjects only, the overall average class size statewide was 19.2 students.

Core academic subjects include classes in art and music, physical education and dance, English/language arts, reading, English for speakers of other languages, world languages, math, science, and social studies. Sixty-one percent of core academic subject classes contained 16 to 30 students, while 12 percent of core academic subject classes contained five or fewer students. Only three percent of core academic subject classes contained 36 or more students. Sixteen LEAs had average class sizes with fewer than 20 students for core academic subjects only, ranging from 13.3 students (Somerset County) to 19.8 students (St. Mary's County). The remaining eight LEAs had average class sizes with 20 or more students, ranging from 20 students (Dorchester County) to 28.9 students (Baltimore County).

Overall, the class size range distribution for reading and math content classes (grades three to 12) and for core academic subjects (at all grade levels) was similar to the distribution of statewide averages for all elementary, middle, and high school classes combined.

For all three analyses, the largest proportion of classes fall either in the 21 to 25 student class size range or in the 16 to 20 range. Twenty-five percent of all classes statewide and 26 percent of reading and math classes contained 21 to 25 students, while the corresponding figure for core academic subject classes was 24 percent. Twenty-two percent of all classes statewide, 24 percent of reading and math classes, and 26 percent of core academic subject classes contained 16 to 20 students.

Conclusion

The MSDE has developed a standardized and uniform data collection process from the LEAs to the State and implemented a methodology for tracking the number of students regularly participating in a teacher's class in response to the requirements from Education Article 7-119 of the Annotated Code of Maryland. The methodology utilizes information obtained from LEAs through two standardized annual data collections, the Maryland Course Catalog (MCC) and the Student Course Grade Teacher (SCGT) and reflects the status of Maryland classrooms as of September 30 of each year.

The MSDE has implemented a uniform methodology for tracking the number of students regularly participating in a teacher's class in response to the requirements from Education Article 7-119 of the Annotated Code of Maryland. The methodology relies on data provided by LEAs as part of two annual standardized data collections, the Maryland Course Catalog (MCC) and the Student Course Grade Teacher (SCGT). LEAs submit their student, teacher, and course data to MSDE via a secure online platform, the Maryland Online Data Exchange (MODE). The class size reporting eliminates those staff members who do not work directly with students in the counts of students in each class with a teacher. The class size reporting also provides information on the entire range of classes and instructional arrangements that students face throughout the day.

Statewide there are differences in class sizes by grade level as compared to the State average:

- At the elementary school level, the average class size was slightly higher than the State average (at 21).
- At the middle school level, the average class size was similar in size to the State average (19.3 and 19.2, respectively).
- At the high school level, the average class size was slightly lower than the State average (at 17.5). In addition, the class size distribution at the high school level was unique in that classes with five or fewer students represented the largest proportion of classes (at 19%).

Statewide there are differences in the percentage of courses at each class size interval by grade level:

- There were more classes with small enrollments at the high school level compared to middle and elementary schools. Specifically, 29 percent of high school classes contained 10 or fewer students, as compared to 12 percent of elementary and 20 percent of middle school classes.
- The highest proportion of classes containing 11 to 25 students was at the elementary school level (at 74 percent), compared to 44 and 42 percent, respectively, at the middle and high school levels.
- Elementary schools had the smallest percentage of classes with 26 or more students (at 14 percent). The corresponding results for middle and high school classes were 36 and 29 percent, respectively.

In comparing the school year 2021-2022 to the prior school year, there was 0.1% decrease in the total number of classes offered statewide at the elementary, middle, and high school levels (from 422,469 to 422,066). This downward movement was accompanied by a slight decline in total enrollment in Maryland's public schools (from 882,538 in school year 2020-2021 to 881,471 students in school year 2021-2022). The combined effect of these changes was a small movement in the statewide average class size, from 19.7 students in the 2020-2021 school year to 19.2 students in the 2021-2022 school year. Comparing 2020-2021 school year to the prior year by grade level, the average elementary school class size increased from 19.5 to 21 students, the average high school class size decreased (from 18.7 to 17.5 students) and the average middle school class size decreased (from 21.5 to 19.3 students).

Appendix A: 2021–2022 Class Size Distribution Statewide

LEA ID	LEA Name	Total Number of Classes	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
01	ALLEGANY	4,971	14.37	25%	8%	17%	26%	14%	6%	2%	2%
02	ANNE ARUNDEL	42,414	18.07	27%	5%	10%	20%	18%	12%	6%	3%
03	BALTIMORE	40,504	25.66	8%	5%	5%	15%	25%	14%	5%	24%
04	CALVERT	6,094	20.54	7%	3%	5%	22%	45%	16%	2%	0%
05	CAROLINE	3,259	17.07	7%	8%	19%	38%	19%	6%	2%	0%
06	CARROLL	11,499	19.00	17%	3%	6%	19%	31%	17%	6%	1%
07	CECIL	7,632	19.42	5%	4%	8%	36%	36%	9%	1%	1%
08	CHARLES	9,496	24.19	12%	6%	7%	21%	31%	15%	3%	6%
09	DORCHESTER	1,741	22.87	6%	6%	19%	35%	22%	8%	2%	4%
10	FREDERICK	16,767	22.88	4%	3%	5%	17%	35%	24%	9%	2%
11	GARRETT	1,677	17.74	7%	8%	19%	30%	25%	9%	1%	2%
12	HARFORD	13,350	25.96	6%	3%	7%	26%	32%	17%	4%	4%
13	HOWARD	23,642	21.98	6%	5%	5%	19%	33%	23%	6%	2%
14	KENT	1,046	13.96	21%	10%	20%	29%	14%	5%	0%	0%
15	MONTGOMERY	103,560	17.63	17%	10%	11%	21%	20%	13%	7%	1%
16	PRINCE GEORGE	66,880	20.73	7%	6%	9%	22%	29%	18%	7%	2%
17	QUEEN ANNE	3,728	18.22	8%	6%	11%	39%	26%	9%	2%	0%
18	ST. MARY	5,870	20.70	3%	3%	12%	29%	30%	17%	3%	2%
19	SOMERSET	1,617	14.17	13%	14%	22%	40%	10%	1%	0%	0%
20	TALBOT	2,120	17.97	8%	6%	13%	36%	28%	9%	1%	0%
21	WASHINGTON	10,900	17.74	12%	7%	12%	32%	26%	8%	2%	2%
22	WICOMICO	6,984	21.22	7%	6%	11%	31%	27%	9%	1%	8%
23	WORCESTER	3,599	15.32	11%	10%	22%	40%	14%	3%	0%	0%
30	BALTIMORE CITY	32,513	18.76	16%	7%	9%	18%	26%	17%	7%	1%
32	SEED SCHOOL	203	12.76	4%	34%	33%	22%	4%	1%	0%	0%
99	STATE	422,066	19.16	13%	7%	9%	22%	25%	15%	6%	4%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

Appendix B: 2021–2022 Class Size Distribution by Grade Span

TABLE 1: ELEMENTARY SCHOOLS

LEA ID	LEA Name	Grade Span	Total Number of	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
1	ALLEGANY	E	2432	15.03	23%	3%	20%	34%	10%	3%	3%	4%
2	ANNE ARUNDEL	E	14927	21.24	24%	3%	14%	33%	19%	2%	1%	5%
3	BALTIMORE	E	18398	27.24	7%	3%	3%	23%	38%	12%	2%	13%
4	CALVERT	E	2815	21.42	3%	1%	0%	25%	59%	11%	0%	0%
5	CAROLINE	E	1469	16.91	3%	1%	24%	58%	14%	0%	0%	0%
6	CARROLL	E	4442	20.92	5%	1%	2%	30%	51%	11%	0%	1%
7	CECIL	E	3770	20.04	5%	0%	1%	44%	43%	6%	0%	0%
8	CHARLES	E	3663	30.60	8%	3%	4%	28%	41%	9%	1%	5%
9	DORCHESTER	E	649	28.46	0%	4%	27%	53%	10%	1%	1%	4%
10	FREDERICK	E	8427	21.73	4%	2%	4%	21%	46%	20%	1%	1%
11	GARRETT	E	781	17.75	6%	3%	18%	35%	31%	7%	0%	0%
12	HARFORD	E	5164	33.62	4%	1%	6%	37%	34%	8%	1%	9%
13	HOWARD	E	11117	21.84	5%	5%	5%	24%	40%	17%	1%	4%
14	KENT	E	417	16.32	8%	3%	24%	46%	18%	2%	0%	0%
15	MONTGOMERY	E	36343	18.06	9%	4%	12%	36%	29%	6%	0%	1%
16	PRINCE GEORGE	E	32738	20.32	7%	4%	5%	29%	37%	15%	2%	1%
17	QUEEN ANNE	E	1729	19.39	0%	1%	7%	57%	30%	2%	1%	0%
18	ST. MARY	E	2835	20.16	0%	2%	15%	42%	31%	5%	1%	4%
19	SOMERSET	E	666	15.41	14%	1%	15%	63%	8%	0%	0%	0%
20	TALBOT	E	904	19.21	0%	1%	11%	57%	32%	0%	0%	0%
21	WASHINGTON	E	5061	19.13	6%	2%	10%	43%	31%	5%	1%	2%
22	WICOMICO	E	2902	26.74	2%	1%	3%	35%	31%	9%	2%	18%
23	WORCESTER	E	1737	15.74	9%	7%	18%	55%	10%	1%	1%	0%
30	BALTIMORE CITY	E	7140	16.36	21%	5%	12%	23%	26%	10%	3%	0%
99	**STATE**	E	170526	20.99	9%	3%	9%	32%	33%	10%	1%	3%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

TABLE 2: MIDDLE SCHOOLS

LEA ID	LEA Name	Grade Span	Total Number of	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
1	ALLEGANY	M	1237	16.13	11%	16%	18%	22%	20%	11%	2%	0%
2	ANNE ARUNDEL	M	8754	15.58	37%	4%	5%	9%	15%	17%	10%	2%
3	BALTIMORE	M	10723	22.79	5%	6%	5%	9%	16%	17%	7%	35%
4	CALVERT	M	1440	21.78	6%	2%	7%	19%	36%	26%	4%	0%
5	CAROLINE	M	1034	17.43	7%	15%	16%	26%	23%	8%	5%	0%
6	CARROLL	M	2755	22.60	5%	3%	9%	17%	25%	26%	13%	2%
7	CECIL	M	1870	20.13	0%	4%	16%	33%	31%	11%	3%	2%
8	CHARLES	M	2556	21.09	11%	4%	5%	16%	30%	26%	6%	1%
9	DORCHESTER	M	474	20.59	6%	4%	9%	26%	34%	14%	1%	5%
10	FREDERICK	M	3256	26.28	1%	1%	3%	10%	26%	32%	21%	5%
11	GARRETT	M	393	19.81	4%	7%	18%	30%	19%	10%	4%	7%
12	HARFORD	M	3659	22.67	6%	2%	5%	19%	31%	26%	9%	2%
13	HOWARD	M	6523	23.14	4%	3%	5%	15%	31%	32%	7%	1%
14	KENT	M	294	11.78	21%	22%	26%	22%	9%	1%	0%	0%
15	MONTGOMERY	M	23992	18.84	16%	13%	9%	12%	17%	20%	12%	2%
16	PRINCE GEORGE	M	10604	22.35	4%	10%	12%	15%	17%	23%	14%	5%
17	QUEEN ANNE	M	650	18.85	8%	4%	10%	35%	29%	11%	2%	0%
18	ST. MARY	M	1199	23.33	1%	3%	5%	14%	39%	34%	4%	0%
19	SOMERSET	M	385	11.89	14%	27%	33%	22%	4%	0%	0%	0%
20	TALBOT	M	424	19.64	4%	8%	11%	21%	34%	19%	1%	0%
21	WASHINGTON	M	2608	18.58	9%	9%	13%	27%	24%	12%	4%	1%
22	WICOMICO	M	1583	17.54	10%	7%	11%	34%	31%	7%	0%	0%
23	WORCESTER	M	408	14.89	11%	16%	22%	28%	22%	1%	0%	0%
30	BALTIMORE CITY	M	679	14.46	33%	17%	6%	9%	11%	14%	10%	0%
99	**STATE**	M	87500	19.26	12%	8%	8%	15%	21%	21%	10%	5%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

TABLE 3: HIGH SCHOOLS

LEA ID	LEA Name	Grade Span	Total Number of Classes	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
1	ALLEGANY	H	1302	11.48	41%	11%	10%	15%	15%	7%	0%	0%
2	ANNE ARUNDEL	H	17817	16.51	26%	7%	9%	13%	17%	19%	8%	1%
3	BALTIMORE	H	11010	21.04	12%	7%	8%	11%	14%	13%	7%	28%
4	CALVERT	H	1839	18.24	13%	8%	10%	18%	32%	18%	2%	0%
5	CAROLINE	H	756	16.88	14%	14%	15%	17%	24%	15%	2%	0%
6	CARROLL	H	4302	14.72	36%	6%	8%	10%	14%	18%	7%	0%
7	CECIL	H	1992	17.55	7%	12%	16%	24%	27%	12%	2%	0%
8	CHARLES	H	3278	19.42	16%	10%	13%	15%	21%	12%	2%	11%
9	DORCHESTER	H	557	17.34	14%	8%	19%	21%	22%	11%	4%	1%
10	FREDERICK	H	4618	22.99	6%	5%	8%	15%	22%	26%	16%	3%
11	GARRETT	H	479	16.11	10%	16%	20%	22%	21%	10%	1%	0%
12	HARFORD	H	4050	20.25	8%	5%	10%	19%	30%	23%	4%	1%
13	HOWARD	H	6003	20.95	11%	7%	7%	13%	22%	25%	13%	1%
14	KENT	H	335	12.95	36%	8%	12%	16%	16%	11%	1%	0%
15	MONTGOMERY	H	43253	16.59	25%	13%	10%	12%	14%	15%	10%	1%
16	PRINCE GEORGE	H	16074	20.26	10%	11%	14%	14%	15%	18%	15%	3%
17	QUEEN ANNE	H	1088	16.69	19%	11%	14%	14%	19%	19%	2%	1%
18	ST. MARY	H	1637	19.91	10%	6%	12%	14%	24%	27%	5%	0%
20	TALBOT	H	537	16.06	23%	8%	13%	17%	19%	18%	2%	0%
21	WASHINGTON	H	3048	15.23	23%	11%	14%	19%	19%	11%	2%	1%
22	WICOMICO	H	1881	17.34	10%	12%	20%	25%	20%	11%	1%	2%
23	WORCESTER	H	942	15.08	17%	16%	18%	18%	22%	9%	0%	0%
30	BALTIMORE CITY	H	5279	18.67	16%	13%	12%	12%	16%	19%	11%	2%
99	**STATE**	**H**	**132077**	**17.49**	**19%**	**10%**	**11%**	**14%**	**17%**	**17%**	**9%**	**3%**

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

TABLE 4: COMBINED ELEMENTARY/MIDDLE SCHOOLS

LEA ID	LEA Name	Grade Span	Total Number of Classes	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
2	ANNE ARUNDEL	EM	613	22.13	16%	4%	7%	21%	43%	7%	0%	2%
3	BALTIMORE	EM	378	26.77	40%	1%	2%	5%	8%	4%	4%	37%
9	DORCHESTER	EM	61	31.69	0%	10%	3%	28%	43%	5%	2%	10%
10	FREDERICK	EM	466	18.72	2%	26%	15%	17%	26%	8%	2%	5%
11	GARRETT	EM	24	16.33	8%	13%	42%	13%	0%	25%	0%	0%
16	PRINCE GEORGE	EM	5833	20.14	5%	5%	10%	24%	38%	14%	2%	1%
17	QUEEN ANNE	EM	261	15.24	10%	15%	24%	30%	18%	3%	0%	0%
18	ST. MARY	EM	199	19.19	0%	3%	3%	71%	22%	1%	1%	1%
19	SOMERSET	EM	5	4.40	100%	0%	0%	0%	0%	0%	0%	0%
22	WICOMICO	EM	255	14.62	19%	18%	14%	18%	25%	1%	0%	4%
23	WORCESTER	EM	512	14.72	6%	4%	45%	41%	3%	0%	0%	1%
30	BALTIMORE CITY	EM	17821	19.79	14%	5%	6%	17%	29%	19%	8%	1%
99	**STATE**	**EM**	**26428**	**18.65**	**12%**	**6%**	**8%**	**20%**	**31%**	**17%**	**6%**	**2%**

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

TABLE 5: COMBINED ELEMENTARY/MIDDLE/HIGH SCHOOLS

LEA ID	LEA Name	Grade Span	Total Number of Classes	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
12	HARFORD	EMH	482	16.49	19%	16%	19%	22%	18%	5%	0%	2%
16	PRINCE GEORGE	EMH	1422	23.74	1%	1%	3%	10%	45%	38%	0%	0%
99	**STATE**	**EMH**	**1904**	**21.9**	**6%**	**5%**	**7%**	**13%**	**38%**	**30%**	**0%**	**1%**

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

TABLE 6: COMBINED MIDDLE/HIGH SCHOOLS

LEA ID	LEA Name	Grade Span	Total Number of Classes	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
2	ANNE ARUNDEL	MH	303	17.49	12%	5%	18%	27%	24%	15%	0%	0%
16	PRINCE GEORGE	MH	309	23.56	4%	2%	3%	19%	27%	36%	6%	3%
19	SOMERSET	MH	561	14.35	11%	21%	24%	25%	17%	2%	0%	1%
20	TALBOT	MH	255	14.77	12%	16%	24%	26%	19%	3%	0%	0%
21	WASHINGTON	MH	251	6.95	58%	14%	13%	13%	1%	0%	0%	0%
22	WICOMICO	MH	393	16.56	12%	11%	17%	27%	22%	8%	2%	1%
30	BALTIMORE CITY	MH	2187	14.74	28%	11%	14%	16%	15%	10%	5%	2%
32	SEED SCHOOL	MH	203	12.76	4%	34%	33%	22%	4%	1%	0%	0%
99	**STATE**	**MH**	**4462**	**15.12**	**21%**	**13%**	**16%**	**20%**	**16%**	**10%**	**3%**	**1%**

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

Appendix C: 2021–2022 Class Size Distribution Reading and Math Classes

LEA ID	LEA Name	Total Number of Classes	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
1	ALLEGANY	1089	14.34	25%	5%	16%	29%	17%	7%	0%	0%
2	ANNE ARUNDEL	17600	15.17	27%	5%	11%	25%	18%	8%	3%	1%
3	BALTIMORE	8713	23.91	10%	7%	6%	15%	28%	14%	4%	17%
4	CALVERT	846	19.96	11%	3%	5%	19%	42%	19%	1%	0%
5	CAROLINE	538	18.91	6%	2%	13%	38%	30%	11%	0%	0%
6	CARROLL	2821	18.81	15%	4%	7%	22%	30%	17%	5%	0%
7	CECIL	2254	19.66	4%	3%	6%	39%	39%	9%	1%	0%
8	CHARLES	3511	19.91	10%	6%	6%	24%	36%	13%	2%	4%
9	DORCHESTER	284	17.27	14%	7%	13%	25%	27%	12%	2%	0%
10	FREDERICK	5219	22.04	3%	4%	6%	19%	40%	21%	6%	1%
11	GARRETT	485	17.26	9%	7%	16%	29%	30%	8%	0%	0%
12	HARFORD	5416	20.65	5%	3%	7%	32%	35%	13%	2%	3%
13	HOWARD	5856	20.71	4%	6%	8%	23%	34%	19%	5%	0%
14	KENT	337	13.73	24%	8%	19%	30%	14%	4%	1%	0%
15	MONTGOMERY	31099	16.65	14%	12%	13%	24%	21%	12%	3%	0%
16	PRINCE GEORGE	18544	20.31	7%	7%	8%	23%	32%	18%	5%	1%
17	QUEEN ANNE	980	18.09	8%	5%	11%	42%	25%	9%	1%	0%
18	ST. MARY	1588	20.6	3%	3%	11%	29%	32%	19%	2%	0%
19	SOMERSET	497	13.06	20%	16%	18%	38%	9%	0%	0%	0%
20	TALBOT	558	17.96	9%	4%	11%	38%	30%	8%	0%	0%
21	WASHINGTON	2684	17.07	11%	8%	13%	33%	27%	7%	1%	1%
22	WICOMICO	1395	18.99	12%	8%	15%	27%	22%	5%	1%	10%
23	WORCESTER	1155	15.73	12%	6%	20%	44%	16%	2%	1%	0%
30	BALTIMORE CITY	8354	17.89	19%	8%	9%	17%	24%	16%	6%	1%
32	SEED SCHOOL	56	11.23	11%	34%	34%	21%	0%	0%	0%	0%
99	STATE	121879	18.49	13%	7%	10%	24%	26%	13%	4%	2%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection

Appendix D: 2021–2022 Class Size Distribution Core Academic Subjects

LEA ID	LEA Name	Total Number of Classes	Average Class Size	≤ 5 Students	6-10	11-15	16-20	21-25	26-30	31-35	≥ 36
1	ALLEGANY	3015	14.11	24%	9%	20%	25%	13%	6%	2%	2%
2	ANNE ARUNDEL	30977	17.99	22%	6%	14%	23%	18%	11%	4%	2%
3	BALTIMORE	21546	28.85	8%	6%	7%	22%	24%	11%	4%	20%
4	CALVERT	4235	20.15	5%	3%	6%	31%	45%	11%	1%	0%
5	CAROLINE	1656	17.19	5%	6%	21%	40%	22%	6%	0%	0%
6	CARROLL	7571	19.05	13%	3%	8%	25%	31%	14%	5%	1%
7	CECIL	5176	18.76	3%	4%	11%	45%	29%	6%	0%	0%
8	CHARLES	6711	22.53	11%	6%	11%	29%	28%	8%	1%	5%
9	DORCHESTER	1324	20.04	4%	6%	26%	36%	19%	6%	2%	2%
10	FREDERICK	12151	21.49	3%	4%	7%	23%	38%	18%	5%	1%
11	GARRETT	1197	17.13	7%	8%	20%	33%	24%	8%	1%	0%
12	HARFORD	10274	23.31	5%	3%	11%	32%	31%	13%	2%	4%
13	HOWARD	15286	21.20	5%	5%	8%	25%	32%	18%	4%	2%
14	KENT	717	14.01	19%	7%	26%	31%	13%	4%	0%	0%
15	MONTGOMERY	76112	16.75	14%	11%	15%	24%	20%	11%	4%	1%
16	PRINCE GEORGE	44594	19.12	7%	8%	12%	26%	27%	13%	4%	2%
17	QUEEN ANNE	2613	17.75	8%	5%	14%	40%	24%	8%	1%	0%
18	ST. MARY	4232	19.81	2%	4%	18%	31%	30%	13%	1%	1%
19	SOMERSET	1125	13.27	15%	16%	27%	35%	7%	0%	0%	0%
20	TALBOT	1435	17.81	7%	5%	14%	40%	28%	6%	0%	0%
21	WASHINGTON	7290	16.64	11%	7%	19%	34%	21%	6%	1%	1%
22	WICOMICO	4906	20.29	7%	6%	16%	33%	23%	4%	2%	9%
23	WORCESTER	2779	14.93	9%	10%	27%	41%	10%	2%	0%	0%
30	BALTIMORE CITY	22972	17.38	17%	8%	12%	21%	24%	14%	5%	1%
32	SEED SCHOOL	156	11.94	8%	33%	33%	24%	3%	0%	0%	0%
99	STATE	290050	19.21	12%	7%	13%	26%	24%	11%	4%	3%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2022 collection