



# Class Size in Maryland Public Schools, SY 2022-2023

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Division of Assessment, Accountability,  
Performance Reporting and Research

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## Introduction

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**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 twelfth 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.

MSDE works with LEAs to compile data for the Maryland class size report with extensive cooperation of educators across the State. 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 2022-2023 class size data as required in State law.

## Methodology

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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). MSDE conducts 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 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 provides an opportunity to resolve errors identified through 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." 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 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 by LEAs in the EOY MCC.

### THE STUDENT COURSE GRADE TEACHER (SCGT) DATA COLLECTION

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 the MODE system. The second window is the End-of-Year (EOY) SCGT, which 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 having at least one student and 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 or 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 by 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.

## 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 classroom key values generated by MSDE 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 statewide average class size for 2022-2023 school year was calculated with the formula below:

$$\frac{\text{Total number of student course enrollments}}{\text{Total number of classrooms}} = \frac{8,406,275}{424,270} = 19.81$$

## Findings

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**The analysis of average class sizes in Maryland reveals substantial variation by grade level and across LEAs. At the same time, the analysis reveals only slight changes in average class sizes when comparing results year over year. This consistency can be observed not only at the State level but also in most LEAs.**

Summary results on the analysis of average class sizes and the distribution of classes by size are presented below. For each LEA and for the State as a whole, classes are classified by size into 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. Results are reported for all classes combined, for all classes in each grade level, and separately for reading and math classes and for classes in core academic subjects.

**Overall, the reported average class size in Maryland in the 2022-2023 school year was 19.8.**

The analysis found that 65% of all classes in Maryland ranged from 16 to 30 students, and within this range, 28% contained 21 to 25 students. Another 26% of classes had less than 16 students, and among those, 12% had five students or less. Only 8% of classes had more than 30 students. The LEA with the largest average class size was Charles County, with 27.5 students, whereas Kent County had the smallest average class size, with 15.1 students. Ten of the 24 LEAs had average class sizes of 20 students or more, ranging from 20 students in Cecil County to 27.5 students in Charles County. The other 14 LEAs had average class sizes with fewer than 20 students, ranging from 15.1 in Kent County to 19.5 in Carroll County.

**By grade span, the average class size in Maryland in the 2022-2023 school year was 20.8, for elementary schools, 20.6, for middle schools, and 18.3, for high schools.**

At the elementary school level, the average class size ranged from 17 in Baltimore City to 32.8 in Charles County. Fourteen LEAs had average class sizes of fewer than 20 students, ranging from 17 students in Baltimore City to 19.9 students in Calvert County. There were eight LEAs with average class sizes from 20 to 23 students, ranging from 20.9 in Baltimore County to 22.7 students in Howard County. The remaining two LEAs had an average class size of more than 28 students, with 28.2 in Wicomico County and 32.8 in Charles County.

At the middle school level, the average class size ranged from 12.1 in Baltimore City to 26.7 in Charles County. Four LEAs (Baltimore City, Somerset, Anne Arundel, and Worcester) had average class sizes of fewer than 16 students. There were 10 LEAs with average class sizes of 16-20 students, ranging from Kent County, with 16.5 to Cecil County, with 19.9. The remaining 10 LEAs had average class sizes of more than 20 students, ranging from 20.7 in Garrett County to 26.7 in Charles County.

At the high school level, the average class size ranged from 11.2 in Allegany County to 23.6 in Frederick County. Seventeen LEAs had average class sizes of fewer than 20 students, ranging from 11.2 in Allegany County to 19.9 in Calvert County. Among those, four LEAs had average class sizes of less than 15 students (Allegany, Kent, Dorchester, and Carroll Counties). Three LEAs (St. Mary's, Charles, and

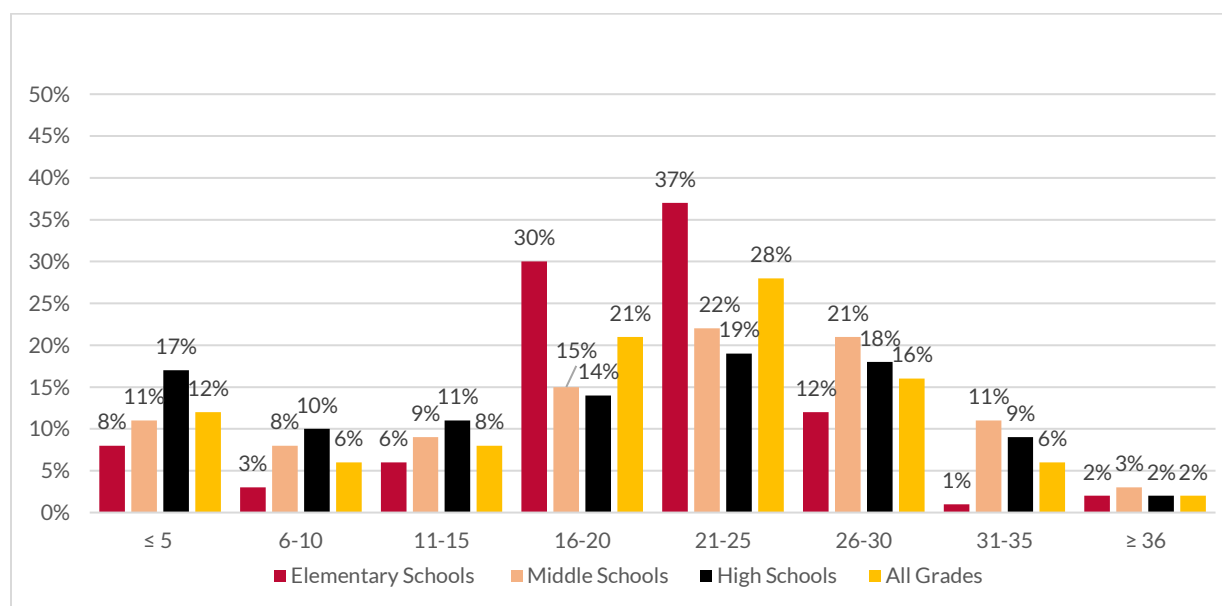
Frederick Counties) had average class sizes in the 21-24 student range. (One LEA, Somerset County, did not operate separate high schools and had only combined middle/high schools).

In the 2022-2023 school year, twelve LEAs operated combined elementary/middle schools, three LEAs operated combined elementary/middle/high schools, and seven LEAs operated combined middle/high schools. Baltimore City operated 67% of all combined elementary/middle school classrooms and more than half of all combined middle/high school classrooms in the State. Prince George's County operated 64.2% of all the State's combined elementary/middle/high school classrooms. The average class size was 19.2 for all combined elementary/middle schools, 19.8 for all combined elementary/middle/high schools, and 15.2 for all combined middle/high schools.

**Classes with 16 to 20 students and 21 to 25 students accounted, respectively, for 21% and 28% of all Maryland's classes. Furthermore, 65% of all classes in Maryland ranged in size from 16 to 30 students.**

The class size distribution differed by grade level (see Figure 1). At the elementary school level, the distribution centered on the 16-20 and 21-25 student class size ranges, which, combined, represented 67% of the elementary school classes offered in the State. By contrast, at the middle and high school levels, classes were more evenly distributed among the 16-20, 21-25, and 26-30 student class size ranges. Combined, these ranges accounted for 58% of middle school classes and 51% of high school classes in Maryland.

**Figure 1: 2022-2023 Class Size Range by Grade Span**



**Statewide, high schools had a higher proportion of classes with five students or less (17%) as compared to middle schools (11%) and elementary schools (8%).**

The percentage of high school classes with five students or less ranged from 5% in Garrett County to 44% in Allegany County. In four LEAs, including Dorchester, Carroll, Kent, and Allegany Counties, more than a third of all high school classes had five students or less. At the middle school level, only two LEAs reported a high percentage of classes with five students or less, Ann Arundel County (39%) and



Baltimore City (42%). For the remaining LEAs, the percentage of classes with five students or less ranged from 1% to 16%. At the elementary school level, only three LEAs, Allegany County, Baltimore City, and Ann Arundel County, reported over 10% of classes with five students or less. For the remaining LEAs, the percentage of classes with five students or less was either zero or in the single digits.

**Statewide, elementary schools had a lower proportion of classes with more than 30 students (3%) as compared to middle schools (14%) and high schools (11%).**

In seven LEAs (Dorchester, Talbot, Somerset, Caroline, Calvert, Cecil, and Kent Counties), there were no elementary school classes with more than 30 students. Among the remaining LEAs, only two had over 9% of classes with more than 30 students, Allegany and Wicomico Counties, with 10% and 20%, respectively. At the middle school level, seven LEAs reported above 10% of classes with more than 30 students, ranging from Baltimore County, with 13%, to Frederick County, with 35%. At the high school level, six LEAs had over 10% of classes with more than 30 students, ranging from Baltimore City, with 11%, to Frederick County, with 24%.

**For reading and math classes only (grades 3 through 12), the average class size in Maryland was 18.2, slightly lower than the average class size for all classes (at 19.8).**

The distribution of reading and math classes was similar to the distribution of all classes statewide. Fifty-nine percent of reading and math classes in the State had 16 to 30 students and 25% had 10 students or less. Only 6% of classes had more than 30 students. The average class size for math and reading classes ranged from 14.1 in Kent County to 23.2 in Frederick County. In four LEAs, including Allegany County, Baltimore City, Kent County, and Anne Arundel County, at least 20% of all math and reading classes had 5 students or less. The percentage of math and reading classes with more than 30 students was below 10% in all LEAs, except for Charles, Wicomico, and Frederick Counties.

**For classes in core academic subjects, the average class size in Maryland was 18.8, slightly lower than the average class size for all classes (at 19.8).**

The class size distribution for classes in core academic subjects resembled the distribution for all classes statewide. Sixty-four percent of classes in core academic subjects statewide had 16 to 30 students, 12% had 5 students or less, and 5% had more than 30 students. The average class size for classes in core academic subjects ranged from 14.4 in Somerset County to 25.2 in Charles County. The percentage of classes in core academic subjects with five students or less surpassed 20% in two LEAs, Kent County and Anne Arundel County. Wicomico County had the highest percentage of classes in core academic subjects with more than 30 students, at 12%.

**The overall average class size for the State increased very slightly, from 19.2 in the 2021-2022 school year to 19.8 in the 2022-2023 school year. There was almost no change at the elementary school level, while there were small increases at the middle school level (from 19.3 to 20.6) and the high school level (from 17.5 to 18.3).**

Three LEAs (Dorchester, Harford, and Baltimore Counties) experienced substantial decreases in the average class size. The largest decrease was in Dorchester County, where the average class size dropped from 22.9 to 16.5. By contrast, in Charles County, the average size class increased from 24.2 to 27.5. The percentage of classes with 5 students or less remained stable or experienced only minor shifts across the State, with the exception of four LEAs. Somerset, Charles, and Allegany Counties saw

decreases of five to seven percentage points for classes with five students or less, whereas Dorchester County saw a five percentage-point jump. At the other end of the spectrum, there were either minor shifts or no changes in the percentage of classes with 36 students or more in most LEAs, except for Baltimore County, which experienced a 22 percentage-point decline.

## Conclusion

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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.

LEAs submit their student, teacher, and course data to MSDE via a secure online platform, the Maryland Online Data Exchange (MODE). The class size report 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 LEA and by grade level as compared to the State average. Notable differences by grade level include:

- The average class size was slightly higher at the elementary and middle school levels (at 20.8 and 20.6 students, respectively) in comparison to the State average (at 19.8 students).
- The average class size was slightly lower at the high school level as compared to the State average (18.3 and 19.8 students, respectively).
- The average class size was much lower for combined middle/high schools (at 15.2 students) as compared to the State average (at 19.8 students).

Statewide there are also differences by LEA and by grade level in the percentage of courses at each class size interval. Some key differences by grade level include:

- The class size distribution at the elementary school level was concentrated on the 16-20 and 21-25 student class size ranges. By contrast, the distribution at the middle and high school levels was more evenly distributed among the 16-20, 21-25, and 26-30 student class size ranges.
- There were more classes with small enrollments at the high school level as compared to middle and elementary schools. Specifically, 17% of high school classes contained five or fewer students, as compared to 11% of middle school and 8% of elementary school classes.
- Elementary schools had the lowest proportion of classes with more than 30 students (3%). The corresponding results for middle and high school classes were 14% and 11%, respectively.

In comparing 2022-2023 to the prior school year, overall student course enrollments increased by almost 4%. This increase was accompanied by a slight expansion in the total number of classrooms, from 422,066 to 424,270. The combined effect of these changes was a small upward movement in the statewide average class size, from 19.2 in the 2021-2022 school year to 19.8 in the 2022-2023 school year. Comparing the 2022-2023 school year to the prior year by grade level, the average elementary school class size dropped slightly, whereas there were small increases in the average class size for middle school classes and for high school classes.

## Appendix A: 2022–2023 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	4,781	15.86	20%	8%	15%	29%	16%	6%	3%	3%
02	ANNE ARUNDEL	44,243	17.96	28%	5%	9%	18%	18%	12%	6%	3%
03	BALTIMORE	46,998	20.72	8%	5%	8%	18%	33%	20%	6%	2%
04	CALVERT	6,309	20.51	5%	4%	5%	28%	40%	16%	2%	0%
05	CAROLINE	3,131	17.68	7%	8%	11%	43%	22%	6%	2%	0%
06	CARROLL	11,701	19.48	17%	3%	5%	16%	33%	20%	6%	1%
07	CECIL	7,333	19.96	5%	4%	8%	31%	41%	11%	1%	0%
08	CHARLES	8,537	27.46	5%	5%	7%	21%	35%	15%	2%	10%
09	DORCHESTER	2,418	16.54	11%	5%	16%	43%	20%	6%	0%	0%
10	FREDERICK	17,330	22.88	6%	4%	5%	14%	32%	26%	11%	3%
11	GARRETT	1,601	18.41	6%	8%	17%	32%	24%	10%	2%	1%
12	HARFORD	17,533	19.99	8%	3%	8%	29%	30%	18%	3%	1%
13	HOWARD	23,544	22.06	5%	6%	6%	19%	33%	22%	5%	3%

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
14	KENT	1,004	15.05	21%	5%	16%	30%	25%	3%	0%	0%
15	MONTGOMERY	93,896	18.70	14%	9%	8%	20%	23%	15%	8%	1%
16	PRINCE GEORGE	65,989	21.07	7%	6%	8%	20%	32%	17%	7%	3%
17	QUEEN ANNE	3,719	18.30	8%	5%	11%	36%	30%	8%	1%	0%
18	ST. MARY	5,677	21.83	2%	3%	8%	31%	32%	18%	3%	4%
19	SOMERSET	1,486	15.45	6%	15%	21%	38%	19%	1%	0%	0%
20	TALBOT	2,088	17.90	9%	6%	11%	35%	30%	8%	1%	0%
21	WASHINGTON	11,364	17.72	13%	7%	11%	30%	27%	9%	2%	1%
22	WICOMICO	6,744	21.38	7%	7%	12%	26%	32%	8%	1%	8%
23	WORCESTER	3,517	16.74	7%	11%	23%	38%	16%	3%	0%	1%
30	BALTIMORE CITY	33,122	18.45	16%	6%	9%	20%	25%	16%	6%	1%
32	SEED SCHOOLS	205	13.97	7%	15%	35%	35%	7%	1%	0%	0%
<b>99</b>	<b>STATE</b>	424,270	19.81	12%	6%	8%	21%	28%	16%	6%	2%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 collection.

## Appendix B: 2022–2023 Class Size Distribution by Grade Span

Table 1: Elementary 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	E	2052	17.91	11%	2%	18%	44%	14%	1%	4%	6%
2	ANNE ARUNDEL	E	14599	21.94	22%	4%	12%	32%	20%	3%	1%	6%
3	BALTIMORE	E	23230	20.86	8%	2%	5%	21%	43%	17%	3%	1%
4	CALVERT	E	3197	19.89	4%	4%	1%	38%	47%	5%	0%	0%
5	CAROLINE	E	1363	18.44	3%	0%	4%	71%	21%	1%	0%	0%
6	CARROLL	E	4551	21.81	5%	1%	3%	21%	52%	16%	0%	2%
7	CECIL	E	3633	20.89	4%	0%	1%	34%	50%	10%	0%	0%
8	CHARLES	E	3466	32.80	2%	2%	5%	30%	47%	10%	0%	4%
9	DORCHESTER	E	1058	17.71	0%	0%	20%	67%	11%	2%	0%	0%
10	FREDERICK	E	8651	21.73	7%	1%	4%	17%	44%	25%	1%	1%
11	GARRETT	E	749	19.06	7%	2%	12%	39%	30%	8%	1%	0%
12	HARFORD	E	9021	19.82	8%	1%	6%	35%	32%	17%	1%	0%

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
13	HOWARD	E	10857	22.65	3%	6%	5%	23%	40%	18%	1%	5%
14	KENT	E	389	17.24	8%	2%	18%	42%	30%	0%	0%	0%
15	MONTGOMERY	E	34619	18.96	9%	3%	8%	35%	34%	9%	1%	1%
16	PRINCE GEORGE	E	31127	21.06	6%	4%	3%	24%	44%	15%	2%	1%
17	QUEEN ANNE	E	1732	19.44	1%	1%	10%	50%	35%	2%	1%	0%
18	ST. MARY	E	2732	21.37	1%	2%	6%	43%	34%	6%	2%	5%
19	SOMERSET	E	567	18.07	2%	5%	8%	63%	23%	0%	0%	0%
20	TALBOT	E	901	19.58	0%	1%	7%	51%	37%	3%	0%	0%
21	WASHINGTON	E	5186	18.92	7%	2%	9%	43%	31%	5%	1%	2%
22	WICOMICO	E	2644	28.16	1%	1%	3%	22%	45%	7%	2%	18%
23	WORCESTER	E	1448	18.48	3%	8%	22%	50%	11%	2%	0%	3%
30	BALTIMORE CITY	E	5534	16.97	20%	4%	8%	26%	27%	11%	3%	1%
<b>99</b>	<b>STATE</b>	<b>E</b>	173306	20.75	8%	3%	6%	30%	37%	12%	1%	2%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 collection.

Table 2: 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
1	ALLEGANY	M	1419	17.20	10%	14%	16%	22%	22%	11%	3%	1%
2	ANNE ARUNDEL	M	8953	15.15	39%	5%	5%	8%	13%	15%	12%	2%
3	BALTIMORE	M	10724	22.03	5%	7%	10%	15%	24%	26%	11%	2%
4	CALVERT	M	1398	22.70	4%	2%	7%	16%	31%	34%	6%	0%
5	CAROLINE	M	996	17.34	6%	15%	18%	24%	23%	7%	5%	0%
6	CARROLL	M	2788	23.13	6%	2%	5%	15%	29%	28%	13%	2%
7	CECIL	M	1762	19.92	1%	3%	16%	32%	35%	11%	1%	1%
8	CHARLES	M	2143	26.74	5%	4%	4%	14%	29%	22%	6%	15%
9	DORCHESTER	M	518	18.74	2%	7%	14%	37%	30%	10%	0%	0%
10	FREDERICK	M	3270	26.69	4%	3%	2%	6%	18%	32%	27%	8%
11	GARRETT	M	358	20.73	3%	5%	17%	28%	20%	17%	5%	5%
12	HARFORD	M	3951	21.14	5%	2%	9%	26%	33%	19%	5%	1%
13	HOWARD	M	6604	22.47	5%	4%	6%	17%	31%	30%	7%	1%
14	KENT	M	265	16.46	16%	6%	13%	28%	30%	8%	0%	0%



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
15	MONTGOMERY	M	21345	19.89	14%	12%	7%	11%	18%	21%	14%	2%
16	PRINCE GEORGE	M	10242	22.49	3%	8%	13%	15%	19%	23%	13%	5%
17	QUEEN ANNE	M	636	19.26	7%	3%	12%	31%	31%	13%	3%	0%
18	ST. MARY	M	1145	24.10	1%	3%	4%	17%	38%	29%	3%	5%
19	SOMERSET	M	348	13.50	5%	23%	37%	23%	12%	0%	0%	0%
20	TALBOT	M	432	17.69	5%	9%	18%	28%	32%	7%	0%	0%
21	WASHINGTON	M	2623	18.38	12%	8%	12%	23%	29%	13%	2%	1%
22	WICOMICO	M	1594	17.39	8%	8%	14%	37%	26%	7%	0%	0%
23	WORCESTER	M	596	15.66	9%	15%	16%	31%	28%	1%	0%	0%
30	BALTIMORE CITY	M	696	12.13	42%	14%	8%	7%	8%	13%	7%	0%
<b>99</b>	<b>STATE</b>	<b>M</b>	84806	20.56	11%	8%	9%	15%	22%	21%	11%	3%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 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	1310	11.19	44%	10%	10%	13%	14%	9%	0%	0%
2	ANNE ARUNDEL	H	19414	16.26	28%	7%	9%	12%	18%	19%	6%	1%
3	BALTIMORE	H	12684	19.22	12%	9%	11%	16%	22%	22%	7%	1%
4	CALVERT	H	1717	19.86	9%	5%	10%	17%	35%	23%	1%	0%
5	CAROLINE	H	772	16.76	14%	13%	16%	16%	24%	15%	1%	0%
6	CARROLL	H	4362	14.72	36%	6%	7%	11%	15%	18%	7%	0%
7	CECIL	H	1940	18.24	9%	9%	14%	23%	29%	15%	1%	1%
8	CHARLES	H	2928	21.66	9%	11%	12%	16%	25%	15%	2%	12%
9	DORCHESTER	H	703	13.46	34%	6%	13%	16%	20%	9%	1%	1%
10	FREDERICK	H	4688	23.57	7%	4%	7%	12%	20%	26%	20%	4%
11	GARRETT	H	468	15.82	5%	20%	22%	26%	19%	7%	0%	0%
12	HARFORD	H	4123	20.14	9%	4%	10%	20%	27%	24%	4%	1%
13	HOWARD	H	6083	20.58	10%	8%	9%	14%	23%	23%	12%	1%
14	KENT	H	350	11.54	38%	8%	17%	19%	16%	3%	1%	0%

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
15	MONTGOMERY	H	37959	17.80	19%	13%	10%	12%	15%	18%	12%	1%
16	PRINCE GEORGE	H	16560	20.15	11%	12%	14%	14%	14%	17%	15%	4%
17	QUEEN ANNE	H	1121	16.20	21%	10%	12%	18%	23%	15%	1%	0%
18	ST. MARY	H	1596	21.22	6%	6%	12%	16%	23%	31%	5%	1%
20	TALBOT	H	538	16.02	23%	11%	10%	15%	20%	19%	2%	0%
21	WASHINGTON	H	3366	15.72	22%	12%	11%	17%	21%	13%	2%	1%
22	WICOMICO	H	1966	16.92	12%	13%	18%	24%	21%	11%	1%	1%
23	WORCESTER	H	968	15.14	15%	16%	19%	21%	21%	7%	1%	0%
30	BALTIMORE CITY	H	5806	18.38	16%	10%	12%	15%	19%	17%	9%	2%
<b>99</b>	<b>STATE</b>	<b>H</b>	131422	18.27	17%	10%	11%	14%	19%	18%	9%	2%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 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	603	21.50	14%	5%	9%	23%	46%	1%	0%	2%
3	BALTIMORE	EM	488	19.20	20%	2%	8%	12%	25%	23%	9%	0%
9	DORCHESTER	EM	139	15.06	17%	19%	12%	12%	41%	0%	0%	0%
10	FREDERICK	EM	731	14.73	4%	34%	20%	15%	23%	3%	2%	0%
11	GARRETT	EM	26	14.08	8%	23%	50%	0%	19%	0%	0%	0%
16	PRINCE GEORGE	EM	6396	20.23	6%	4%	10%	25%	37%	15%	3%	1%
17	QUEEN ANNE	EM	230	17.37	6%	13%	18%	28%	20%	11%	3%	0%
18	ST. MARY	EM	204	20.05	0%	0%	4%	59%	35%	0%	0%	2%
19	SOMERSET	EM	6	1.50	100%	0%	0%	0%	0%	0%	0%	0%
22	WICOMICO	EM	228	15.11	10%	29%	21%	13%	24%	1%	0%	4%
23	WORCESTER	EM	505	16.06	1%	3%	45%	43%	8%	0%	0%	1%
30	BALTIMORE CITY	EM	19405	19.06	14%	6%	7%	20%	27%	18%	5%	1%
<b>99</b>	<b>STATE</b>	<b>EM</b>	28961	19.15	12%	6%	9%	22%	29%	16%	4%	1%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 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
02	ANNE ARUNDEL	EMH	355	13.47	27%	18%	16%	16%	11%	4%	5%	2%
12	HARFORD	EMH	444	11.37	19%	29%	28%	17%	5%	1%	0%	0%
16	PRINCE GEORGE	EMH	1432	23.94	2%	1%	4%	7%	48%	35%	1%	2%
<b>99</b>	<b>STATE</b>	<b>EMH</b>	2231	19.77	9%	10%	11%	11%	34%	23%	1%	2%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 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	320	17.06	10%	10%	19%	26%	16%	18%	2%	1%
16	PRINCE GEORGE	MH	309	22.81	6%	4%	3%	18%	38%	20%	6%	5%
19	SOMERSET	MH	565	14.17	11%	21%	24%	21%	20%	2%	0%	0%
20	TALBOT	MH	217	15.99	13%	10%	14%	34%	24%	4%	0%	0%
21	WASHINGTON	MH	243	8.70	46%	18%	12%	19%	5%	1%	0%	0%
22	WICOMICO	MH	324	16.42	9%	11%	25%	25%	18%	9%	2%	1%
30	BALTIMORE CITY	MH	2208	14.59	30%	9%	11%	16%	16%	9%	6%	2%
32	SEED SCHOOLS	MH	205	13.97	7%	15%	35%	35%	7%	1%	0%	0%
<b>99</b>	<b>STATE</b>	<b>MH</b>	4391	15.15	22%	11%	15%	20%	18%	8%	4%	1%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 collection

## Appendix C: 2022–2023 Class Size Distribution Reading and Math Classes Only (Grades 3-12)

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	979	15.67	20%	7%	16%	25%	21%	12%	1%	0%
2	ANNE ARUNDEL	12177	14.84	34%	8%	8%	12%	17%	12%	5%	3%
3	BALTIMORE	9412	19.50	11%	8%	9%	16%	29%	20%	5%	1%
4	CALVERT	1341	20.21	9%	2%	3%	24%	45%	15%	1%	0%
5	CAROLINE	566	18.26	8%	8%	7%	34%	32%	10%	0%	0%
6	CARROLL	2114	19.50	17%	4%	7%	14%	27%	24%	7%	0%
7	CECIL	1600	20.25	5%	3%	7%	30%	41%	13%	1%	0%
8	CHARLES	2494	21.67	8%	8%	6%	17%	34%	17%	3%	7%
9	DORCHESTER	560	16.14	15%	8%	11%	38%	20%	8%	1%	0%
10	FREDERICK	3645	23.23	5%	3%	6%	11%	31%	31%	11%	2%
11	GARRETT	323	18.12	6%	7%	22%	28%	25%	12%	1%	0%
12	HARFORD	3796	20.44	10%	3%	7%	19%	31%	26%	3%	0%

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
13	HOWARD	4794	20.02	8%	8%	8%	19%	31%	20%	6%	0%
14	KENT	252	14.13	29%	3%	13%	25%	25%	5%	0%	0%
15	MONTGOMERY	25568	16.49	18%	15%	10%	16%	21%	15%	4%	0%
16	PRINCE GEORGE	16011	20.32	7%	9%	11%	17%	29%	18%	7%	2%
17	QUEEN ANNE	751	18.08	11%	5%	9%	29%	35%	10%	1%	0%
18	ST. MARY	1189	21.94	1%	3%	7%	24%	35%	27%	2%	0%
19	SOMERSET	361	14.47	10%	19%	20%	33%	16%	1%	0%	0%
20	TALBOT	468	16.94	18%	5%	10%	24%	32%	11%	1%	0%
21	WASHINGTON	2110	16.59	15%	11%	11%	25%	28%	9%	1%	0%
22	WICOMICO	1330	20.57	10%	10%	14%	23%	25%	6%	1%	11%
23	WORCESTER	1056	15.34	10%	13%	21%	34%	19%	2%	0%	0%
30	BALTIMORE CITY	6968	16.22	25%	10%	9%	15%	19%	15%	6%	1%
32	SEED SCHOOLS	56	14.46	4%	7%	43%	41%	5%	0%	0%	0%
<b>99</b>	<b>STATE</b>	99921	18.15	15%	10%	10%	17%	25%	17%	5%	1%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 collection.

## Appendix D: 2022–2023 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	2979	15.37	19%	8%	19%	29%	14%	7%	2%	2%
2	ANNE ARUNDEL	32529	17.91	24%	6%	12%	22%	18%	11%	4%	3%
3	BALTIMORE	32460	19.45	9%	6%	9%	24%	33%	15%	3%	1%
4	CALVERT	4417	19.95	6%	3%	5%	34%	39%	13%	1%	0%
5	CAROLINE	1670	17.87	5%	8%	12%	43%	25%	7%	0%	0%
6	CARROLL	7621	19.96	12%	3%	7%	20%	34%	18%	5%	1%
7	CECIL	4747	19.49	4%	4%	9%	35%	39%	8%	1%	0%
8	CHARLES	6347	25.17	6%	6%	9%	29%	32%	10%	1%	8%
9	DORCHESTER	1707	16.16	9%	5%	29%	34%	18%	5%	0%	0%
10	FREDERICK	12543	21.97	5%	5%	6%	19%	35%	23%	8%	1%
11	GARRETT	1117	18.25	4%	7%	20%	33%	28%	9%	0%	0%
12	HARFORD	12793	19.22	7%	3%	11%	33%	29%	15%	2%	1%
13	HOWARD	15595	21.17	6%	6%	8%	24%	32%	17%	4%	3%



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
14	KENT	719	14.48	21%	4%	16%	36%	20%	2%	0%	0%
15	MONTGOMERY	71457	17.37	14%	11%	12%	23%	22%	13%	5%	1%
16	PRINCE GEORGE	44938	19.63	7%	8%	11%	26%	29%	13%	5%	2%
17	QUEEN ANNE	2520	17.94	8%	4%	13%	37%	29%	8%	1%	0%
18	ST. MARY	4161	20.64	1%	3%	13%	33%	32%	14%	1%	2%
19	SOMERSET	1005	14.39	8%	17%	26%	38%	11%	0%	0%	0%
20	TALBOT	1448	17.62	9%	5%	11%	42%	26%	7%	0%	0%
21	WASHINGTON	7481	16.76	11%	7%	17%	34%	22%	7%	1%	1%
22	WICOMICO	3763	20.44	7%	10%	15%	27%	24%	4%	2%	10%
23	WORCESTER	2773	16.17	6%	11%	28%	38%	14%	2%	0%	1%
30	BALTIMORE CITY	23310	16.94	18%	8%	11%	23%	23%	13%	4%	0%
32	SEED SCHOOLS	152	13.64	5%	17%	40%	32%	5%	0%	0%	0%
<b>99</b>	<b>STATE</b>	300252	18.75	12%	7%	11%	25%	26%	13%	4%	1%

Source: Maryland Online Data Exchange (MODE), Student-Course-Grade-Teacher (SCGT) data, July 2023 collection.