



ENROLLMENT PROJECTIONS REPORT

MIDDLETOWN CITY SCHOOL DISTRICT

NOVEMBER 7, 2024



WOOLPERT

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ACKNOWLEDGMENTS

On behalf of Woolpert, we would like to extend our appreciation to the Middletown City School District for the opportunity to assist them in developing this Enrollment Projections Report. As a planning team, we hope that this document will serve the Middletown City School District for years to come.

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EXECUTIVE SUMMARY

The district-wide enrollment projections for the Middletown City School District included in this report were developed using the cohort survival methodology and Woolpert's custom enrollment projection software, S.T.E.P. [Student Trends & Enrollment Projections]. This custom software was developed in collaboration with The Ohio State University and is based on industry best practices as well as the national experience Woolpert has with schools, school districts, and state agencies.

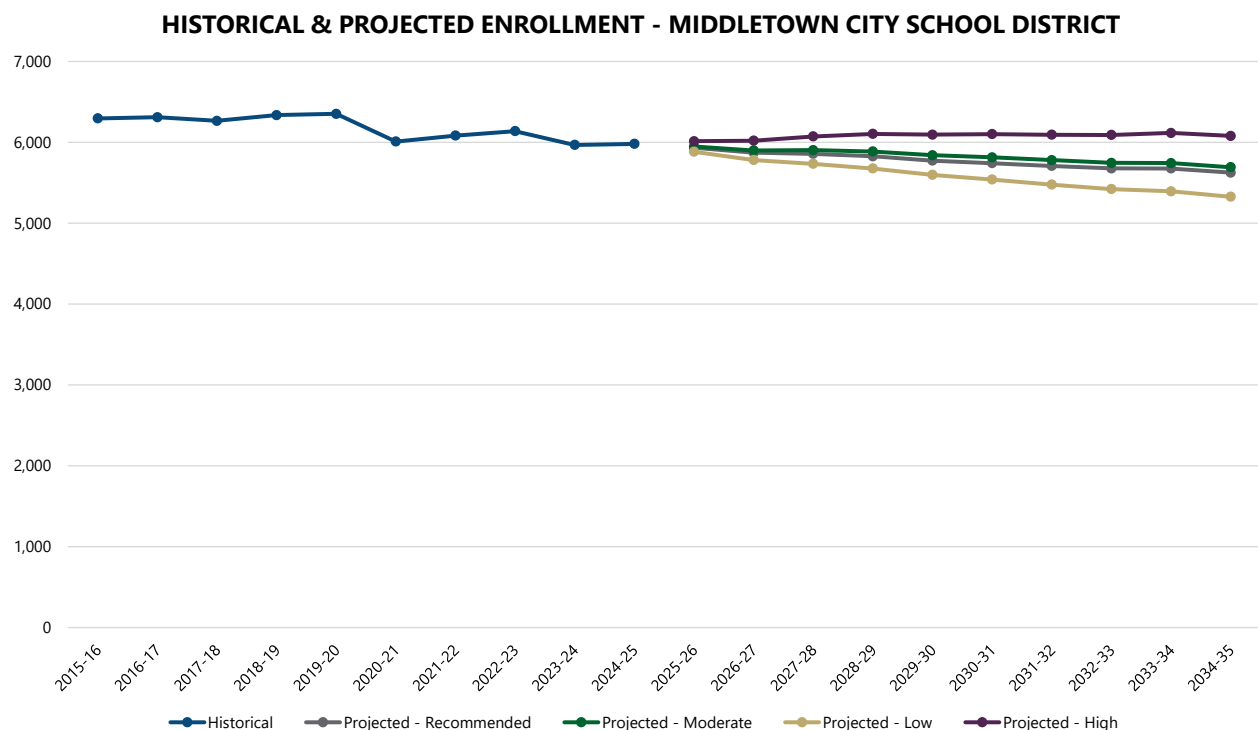


The Middletown City School District serves 5,912 students in Middletown, Ohio in the 2024-25 school year.

The projections presented in this report are meant to serve as a planning tool for the future, representing the most likely direction of the District. Enrollment projections were developed using the cohort survival methodology and by analyzing the following data outlined in this report:

- Historical enrollment, by grade, by year
- Census data
- Resident live birth data
- Building permits

Enrollment in the Middletown City School District has decreased by 315 students from the 2015-16 to the 2024-25 school year. Based on the cohort survival methodology, enrollment is projected to decrease over the next ten years.



As with any projection, the District should pay close attention to the variables associated with determining enrollment projections discussed in this document. Any one or more of these factors can increase or decrease enrollment within the Middletown City School District. When projecting future enrollments, it is vital to track the number of live births, the amount of new housing activity, and the change in household composition. It is recommended that the data contained in this report should be reviewed on an annual basis to determine how more recent trends and any new housing development will impact the enrollment. In addition, any of the following factors could cause a significant change in projected student enrollment:

- Boundary adjustments
- New school openings
- School closures
- Changes / additions in program offerings
- Preschool programs
- Policy Changes
- Changes in grade configuration
- Interest rates / unemployment shifts
- Intra- and inter-District transfers
- Magnet / charter / private school openings or closures
- Zoning changes
- Annexations
- Unplanned new housing activity
- Planned, but not built, housing
- School voucher programs
- Transportation policy changes
- Pandemics

Obviously, certain factors can be gauged and planned for far better than others. For instance, it may be relatively straightforward to gather housing data from local builders regarding the total number of lots in a planned subdivision and calculate the potential student yield. However, planning for changes in the unemployment rate, and how these may either boost or reduce public school enrollment, proves to be more difficult. In any case, it is essential to gather a wide variety of information in preparation for producing enrollment projections.

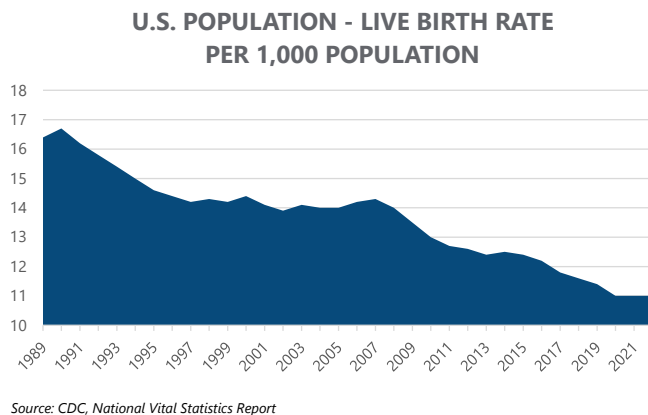
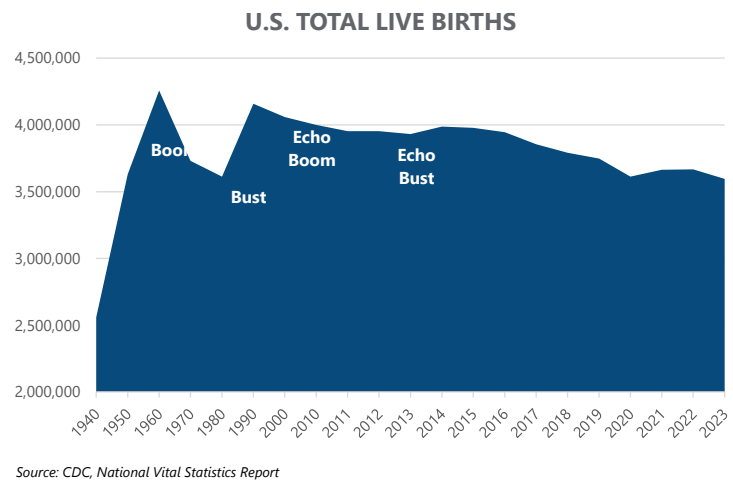
When looking ahead at a school district's enrollment over the next two, five, or ten years, it is helpful to approach the process from a global perspective. For example: How many new homes have been constructed each year? How many births have occurred each year in relation to the resident population? Is housing experiencing a turnover—if so, what is the composition of families moving in/out? Are more or less students attending private school or being home-schooled? What has the unemployment rate trend been over the past ten years? What new educational policies are in place that could affect student enrollment figures?

The cohort survival methodology is a standard methodology used throughout the educational planning industry to project enrollment. The enrollment projections developed for the Middletown City School District were developed using the cohort survival method.

ENROLLMENT PROJECTION METHODOLOGY

Introduction

Tracing the landscape of the country's public school enrollment back over the past fifty years reveals demographic, economic, and social changes. The United States as a whole continues to undergo major shifts in public student enrollment, due in large part to past events including the baby boom, the availability and use of birth control, and the development of suburbs. The baby boom of the late 1940s and 50s was followed by the baby bust of the 1960s and 70s. This gave rise to the echo baby boom of the 1980s.

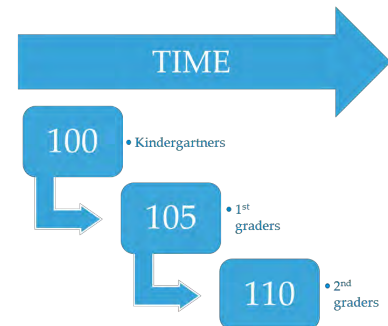


Nationwide, districts have experienced the effects of the echo baby bust of the 1990s. From the 1950s to the 1970s, a dramatic downsizing of the family unit occurred. A direct result was the declining school enrollment of the 1970s and 1980s. As of the 2010 Census, the size of a family was at an all-time low of 3.14 persons. The live birth rate increased for the first time in several years in 1998 and increased again in 2000 and 2006. However, the birth rate resumed a descending pattern in 2008 and reached an all-time low of 10.9 (per 1,000) in 2020 and remained at 11.0 through 2022.

Cohort Survival Method

The cohort survival methodology (sometimes referred to as the grade progression ratio method) is a widely used enrollment projection model that is used by many school districts and state and federal agencies to project K-12 enrollment.

A cohort is a group of persons [in this case, students]. The cohort survival enrollment projection methodology uses historic live birth data and historic student enrollment to “age” a known population or cohort throughout the school grades. For instance, a cohort begins when a group of kindergarteners enrolls in grade K and moves to first grade the following year, second grade the next year, and so on.



A “survival ratio” is developed to track how this group of students increased or decreased in number as they moved through the grade levels. By developing survival ratios for each grade transition [i.e. 2nd to 3rd grade] over a ten year period of time, patterns emerge. A projection ratio for each grade transition is developed based on analysis of the survival ratios. The projection ratios are used as a multiplier in determining future enrollment.

For example, if student enrollment has consistently increased from the 8th to the 9th grade over the past ten years, the survival ratio would be greater than 100% and could be multiplied by the current 8th grade enrollment to develop a projection for next year’s 9th grade. This methodology can be carried through to develop ten years of projection figures. Because there is not a grade cohort to follow for students coming into kindergarten, resident live birth counts are used to develop a birth-to-kindergarten survival ratio. Babies born five years previous to the kindergarten class are compared in number, and a ratio can be developed to project future kindergarten enrollments.

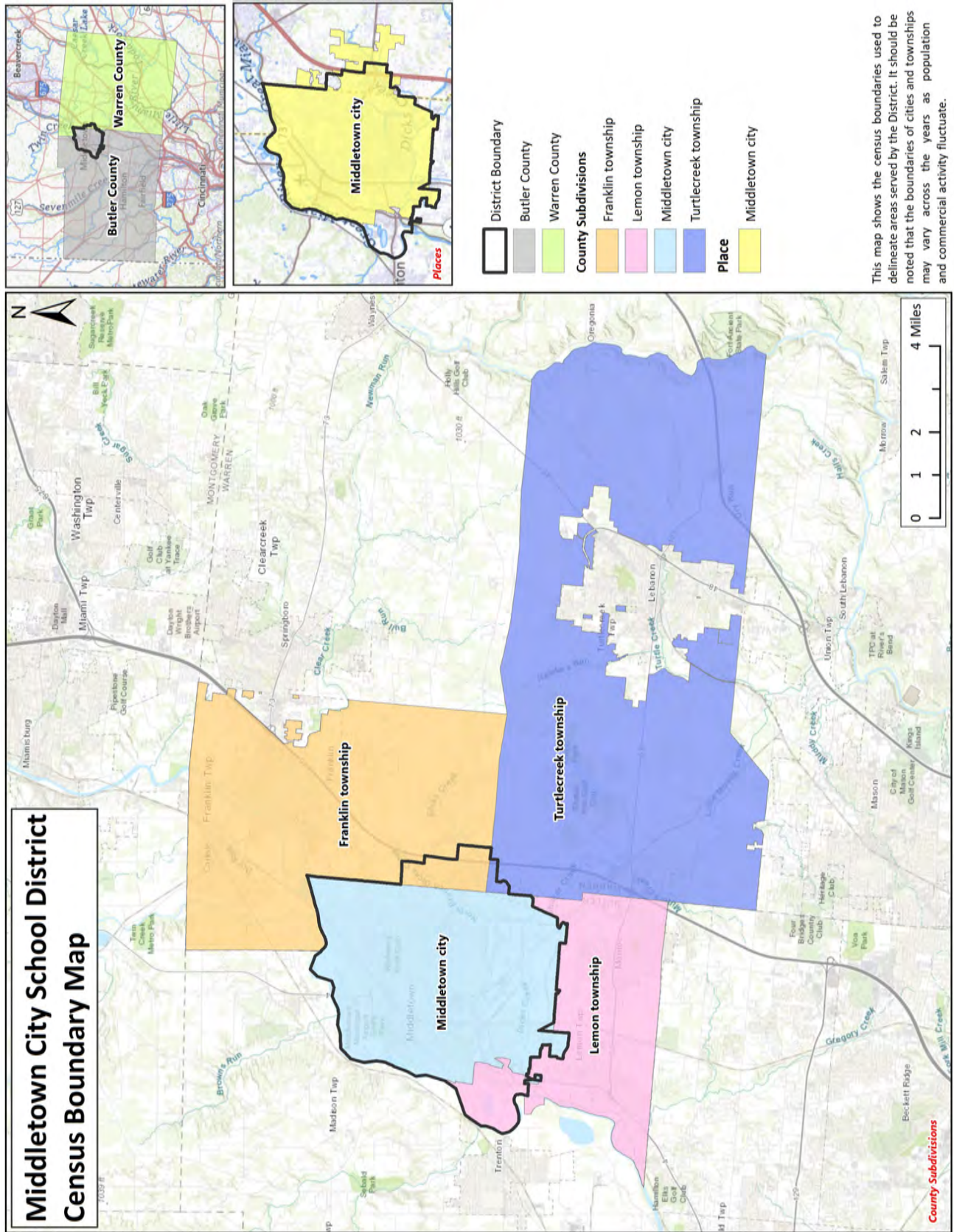
The cohort survival method is useful in areas where population is stable [relatively flat, growing steadily, or declining steadily], and where there have been no significant fluctuations in enrollment, births, and housing patterns from year to year. The cohort survival methodology inherently considers the net effects of factors such as migration, housing, dropouts, transfers to and from charter schools, open enrollment, and deaths. This methodology does not assume changes in policies, program offerings, or future changes in housing and migration patterns.

U.S. CENSUS

This section presents data from the United States Census Bureau and estimates from the American Community Survey (ACS) to demonstrate the demographic characteristics and historic trends of the population within the District boundary. While the Census is conducted every 10 years, the American Community Survey collects social, housing, educational, occupational, financial, and other demographic data from over 3.5 million households throughout the nation monthly and is compiled yearly, as mandated by the U.S. Constitution. This data helps public officials, federal/state/local agencies, school districts, etc. assess historic trends and plan for the future.

The Middletown City School District is located in Butler and Warren counties, Ohio. It serves parts or all of the following localities: Butler County, Warren County, Lemon Township (Butler Co.), Middletown City (Butler Co.), Franklin Township (Warren Co.), Turtlecreek Township (Warren Co.), and Middletown City. The data on the following pages is aggregated and color-coordinated by the boundaries shown in the map on the following page.

It should be noted that the District does not necessarily serve whole localities but data presented by locality is for the whole locality.



This map shows the census boundaries used to delineate areas served by the District. It should be noted that the boundaries of cities and townships may vary across the years as population and commercial activity fluctuate.

Students by Locality

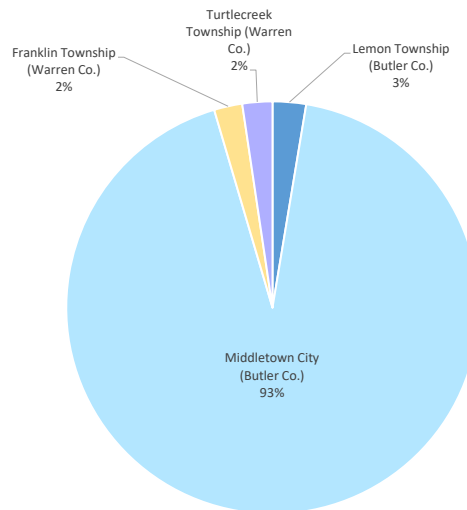
The table and pie charts below show how many Middletown City School District students live in the District boundary and each locality served by the District, by year, according to 2024-25 student data. The percentages for each locality are based on the total students in the Middletown City School District. The total at the bottom of the table indicates the total number of students in the District, not the sum of the values in the table.

Historical Enrollment by Census Locality	2024-25
Middletown City School District Boundary	5,823 98.5%
Butler County	5,629 95.2%
Warren County	272 4.6%
Lemon Township (Butler Co.)	154 2.6%
Middletown City (Butler Co.)	5,448 92.2%
Franklin Township (Warren Co.)	130 2.2%
Turtlecreek Township (Warren Co.)	138 2.3%
Middletown City	5,675 96.0%
Total Students*	5,912

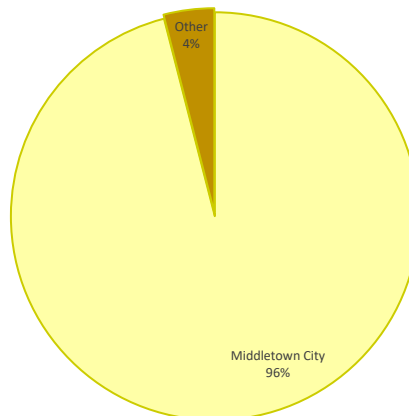
Source: Middletown City School District Student Data

*This total reflects the amount of District students, not a total of the values in the table.

Distribution of Students in Census County Subdivisions



Distribution of Students in Census Places



**Other includes students living outside of the District boundary and in localities not shown in the map on the previous page and table above

Population

According to the 2020 Census, since the 2010 Census, the total population has increased while the median age has remained the same in the District boundary.

Based on the 2020 Census, since the 2010 Census, the number of children under the age of 5 has decreased by 11 percent, the number of children ages 5 - 19 has increased by 19 percent, the number of adults ages 20 - 64 has increased by 2 percent, and the number of adults ages 65 and over has increased by 18 percent in the District boundary.

The 2000, 2010, and 2020 population counts are shown in the table below.

Population		Under 5 years	5 to 19 years	20 to 64 years	65 years and over	Total Population	Median Age
Middletown City School District Boundary	2000**	-	-	-	-	-	-
	2010	3,711	9,520	28,958	7,220	49,409	38.1
	2020	3,311	11,349	29,439	8,546	50,996	38.1
	Trend	↘	↗	↗	↗	↗	↔
Butler County	2000	22,915	75,589	198,835	35,468	332,807	34.2
	2010	25,136	80,203	220,307	42,484	368,130	36.0
	2020	22,751	94,728	223,948	60,175	390,357	37.4
	Trend	↘	↗	↗	↗	↗	↗
Warren County	2000	12,422	34,807	96,221	14,933	158,383	35.2
	2010	14,285	48,720	126,752	22,936	212,693	37.8
	2020	13,821	59,177	138,672	37,472	242,337	40.0
	Trend	↘	↗	↗	↗	↗	↗
Lemon Township (Butler Co.)	2000	552	1,629	4,920	1,409	8,510	38.9
	2010	1,121	2,931	7,915	1,908	13,875	36.3
	2020	1,111	4,448	9,324	2,536	16,885	37.2
	Trend	↘	↗	↗	↗	↗	↘
Middletown City (Butler Co.)	2000	3,601	10,034	28,460	7,641	49,736	36.4
	2010	3,432	8,865	26,845	6,852	45,994	38.5
	2020	3,087	10,557	27,224	7,866	47,210	38.2
	Trend	↘	↗	↗	↗	↗	↘
Franklin Township (Warren Co.)	2000	1,947	5,795	16,793	3,217	27,752	36.1
	2010	2,053	6,069	17,888	4,302	30,312	39.1
	2020	1,842	6,839	17,980	5,921	31,676	41.5
	Trend	↘	↗	↗	↗	↗	↗
Turtlecreek Township (Warren Co.)	2000	566	2,069	8,501	1,618	12,754	36.8
	2010	549	2,415	10,288	1,891	15,143	37.8
	2020	730	3,175	11,078	3,038	17,644	39.7
	Trend	↗	↗	↗	↗	↗	↗
Middletown City	2000	3,769	10,385	29,746	7,895	51,795	36.2
	2010	3,662	9,368	28,430	7,234	48,694	38.3
	2020	3,320	11,357	29,479	8,491	50,987	38.0
	Trend	↘	↗	↗	↗	↗	↘

Source: U.S. Census (**data not available)

Race / Ethnicity & Language

The table below shows race and ethnic distribution throughout the Middletown City School District boundary and the localities that are served by the District.

Race & Ethnicity		White alone	Black or African American alone	American Indian and Alaska Native alone	Asian alone	Native Hawaiian and Other Pacific Islander alone	Some other race alone	Two or more races	Total Population	Hispanic Population
Middletown City School District Boundary	2000**	-	-	-	-	-	-	-	-	-
	2010	83.4%	11.5%	0.2%	0.5%	0.0%	1.6%	2.7%	49,409	3.8%
	2020	73.8%	12.7%	0.3%	0.7%	0.1%	4.2%	8.1%	50,996	8.2%
Butler County	2000	86.0%	5.4%	0.3%	1.5%	0.0%	0.7%	1.2%	332,807	1.4%
	2010	86.0%	7.3%	0.2%	2.4%	0.1%	1.8%	2.1%	368,130	4.0%
	2020	76.6%	8.9%	0.4%	4.0%	0.1%	3.5%	6.5%	390,357	6.5%
Warren County	2000	94.4%	2.7%	0.3%	1.4%	0.0%	0.3%	0.9%	158,383	1.0%
	2010	90.5%	3.3%	0.2%	3.9%	0.0%	0.7%	1.5%	212,693	2.2%
	2020	82.6%	3.4%	0.2%	7.2%	0.1%	1.1%	5.6%	242,337	3.2%
Lemon Township (Butler Co.)	2000	95.8%	1.8%	0.1%	0.2%	0.2%	0.6%	1.3%	8,510	0.8%
	2010	91.7%	3.6%	0.2%	1.4%	0.0%	1.6%	1.4%	13,875	3.4%
	2020	82.5%	4.9%	0.3%	3.0%	0.1%	3.1%	6.2%	16,885	5.7%
Middletown City (Butler Co.)	2000	86.8%	11.0%	0.2%	0.3%	0.0%	0.3%	1.5%	49,736	0.9%
	2010	83.2%	11.7%	0.2%	0.4%	0.1%	1.6%	2.7%	45,994	3.7%
	2020	73.7%	12.9%	0.3%	0.6%	0.1%	4.3%	8.0%	47,210	8.2%
Franklin Township (Warren Co.)	2000	96.5%	1.2%	0.4%	0.5%	0.1%	0.4%	0.9%	27,752	0.6%
	2010	96.0%	1.6%	0.2%	0.5%	0.0%	0.4%	1.3%	30,312	1.4%
	2020	90.8%	2.5%	0.2%	0.8%	0.0%	0.7%	5.0%	31,676	2.1%
Turtlecreek Township (Warren Co.)	2000	84.5%	13.6%	0.7%	0.0%	0.0%	0.2%	1.0%	12,754	1.2%
	2010	81.2%	16.8%	0.2%	0.4%	0.0%	0.5%	0.9%	15,143	1.5%
	2020	80.0%	13.0%	0.1%	1.6%	0.0%	0.9%	4.4%	17,644	2.4%
Middletown City	2000	87.0%	10.8%	0.2%	0.3%	0.0%	0.3%	1.5%	51,795	0.9%
	2010	83.3%	11.7%	0.2%	0.5%	0.0%	1.6%	2.7%	48,694	3.8%
	2020	73.7%	12.7%	0.3%	0.9%	0.1%	4.2%	8.0%	50,987	8.1%

Source: U.S. Census (**data not available)

According to the 2022 ACS estimates, most of the population in the District boundary speaks only English. The table below shows the languages spoken at home.

Languages Spoken at Home (2022 Estimates)	Middletown City School District Boundary	Butler County	Warren County	Lemon Township (Butler Co.)	Middletown City (Butler Co.)	Franklin Township (Warren Co.)	Turtlecreek Township (Warren Co.)	Middletown City
Population 5 years and over	47,458	365,649	229,814	15,632	44,656	30,347	16,623	47,858
Speak only English	95.5%	91.0%	90.7%	94.0%	95.6%	95.7%	96.9%	95.4%
Speak a language other than English	4.5%	9.0%	9.3%	6%	4.4%	4.3%	3.1%	4.6%
Spanish	1,497	12,818	4,577	727	1,497	466	169	1,661
Other Indo-European languages	196	8,156	6,926	39	156	420	137	238
Asian and Pacific Island languages	268	8,245	8,611	37	268	421	67	268
Other languages	161	3,751	1,246	137	29	0	148	29

Source: American Community Survey 5-Year Estimates (2022)

Households, Families, & Housing

According to the 2022 ACS estimates, approximately 75% of the homes in the Middletown City School District boundary are single-unit structures while 23% of the homes are 2-or-more-unit structures. Nearly 28% of the District boundary's households have at least one school-aged (or younger) child in them.

Households (2022 Estimates)	Middletown City School District Boundary	Butler County	Warren County	Lemon Township (Butler Co.)	Middletown City (Butler Co.)	Franklin Township (Warren Co.)	Turtlecreek Township (Warren Co.)	Middletown City
Total Households	21,008	144,536	88,735	5,903	19,533	12,573	4,577	20,941
1-unit structures	75.1%	79.1%	84.8%	86.7%	76.5%	83.6%	89.6%	75.0%
2-or-more-unit structures	23.0%	18.7%	14.5%	7.3%	21.8%	15.8%	9.8%	23.5%
Mobile homes and all other types	1.9%	2.2%	0.8%	6.0%	1.7%	0.6%	0.6%	1.6%
Owner occupied:	53.1%	69.5%	78.9%	78.2%	53.7%	72.0%	81.8%	53.8%
Renter occupied:	46.9%	30.5%	21.1%	21.8%	46.3%	28.0%	18.2%	46.2%
Households with one or more people under 18 years	27.9%	33.0%	35.6%	38.4%	28.5%	28.3%	34.7%	28.5%

Source: American Community Survey 5-Year Estimates (2022)

According to the U.S. Census Bureau, “A family is a group of two people or more (one of whom is the householder) related by birth, marriage, or adoption and residing together.”

A household consists of all persons (related and unrelated) living within a housing unit.

A housing unit is a single room, house, apartment, or other group of residential rooms that have direct outside access; group quarters are excluded.

According to the 2022 ACS Estimates, the average family size has increased in the District boundary while the average household size has decreased.

From the 2010 Census to the 2020 Census, the number of total and vacant housing units in the District boundary has decreased while the number of occupied units has increased.

Family/Household Size		Average Family Size	Average Household Size
Middletown City School District Boundary	2000**	-	-
	2010	2.96	2.38
	2022*	3.02	2.35
	Trend		
Butler County	2000	3.07	2.61
	2010	3.10	2.63
	2022*	3.15	2.61
	Trend		
Warren County	2000	3.12	2.72
	2010	3.14	2.70
	2022*	3.08	2.66
	Trend		
Lemon Township (Butler Co.)	2000	2.93	2.52
	2010	3.09	2.64
	2022*	3.23	2.81
	Trend		
Middletown City (Butler Co.)	2000	2.94	2.38
	2010	2.97	2.38
	2022*	3.04	2.38
	Trend		
Franklin Township (Warren Co.)	2000	2.99	2.58
	2010	3.00	2.56
	2022*	3.01	2.50
	Trend		
Turtlecreek Township (Warren Co.)	2000	3.06	2.68
	2010	3.03	2.65
	2022*	3.15	2.67
	Trend		
Middletown City	2000	2.94	2.38
	2010	2.97	2.38
	2022*	3.04	2.38
	Trend		

Source: U.S. Census (2020 Census data not available)

*Source: American Community Survey 5-Year Estimates 2022

**data not available

Housing Occupancy		Total housing units	Occupied housing units	Vacant housing units
Middletown City School District Boundary	2000**	-	-	-
	2010	23,800	20,648	3,152
	2020	23,090	21,176	1,914
	Trend			
Butler County	2000	129,793	123,082	6,711
	2010	148,273	135,960	12,313
	2020	153,741	145,159	8,582
	Trend			
Warren County	2000	58,692	55,966	2,726
	2010	80,750	76,424	4,326
	2020	93,276	89,086	4,190
	Trend			
Lemon Township (Butler Co.)	2000	3,528	3,279	249
	2010	5,574	5,188	386
	2020	6,278	6,001	277
	Trend			
Middletown City (Butler Co.)	2000	22,217	20,603	1,614
	2010	22,022	19,097	2,925
	2020	21,308	19,556	1,752
	Trend			
Franklin Township (Warren Co.)	2000	11,186	10,716	470
	2010	12,684	11,752	932
	2020	13,435	12,676	759
	Trend			
Turtlecreek Township (Warren Co.)	2000	3,416	3,306	110
	2010	4,207	3,952	255
	2020	5,757	5,468	289
	Trend			
Middletown City	2000	23,174	21,515	1,659
	2010	23,296	20,238	3,058
	2020	23,007	21,164	1,843
	Trend			

Source: U.S. Census

**data not available

Industry & Occupation

The table below illustrates the types of industry and occupation categories in the Middletown City School District boundary and the areas it serves. 2022 estimates are calculated for the civilian employed population 16 years and over.

Industry & Occupation Categories for the Civilian Employed Population 16 Years and Over, (2022 Estimates)	Middletown City School District Boundary	Butler County	Warren County	Lemon Township (Butler Co.)	Middletown City (Butler Co.)	Franklin Township (Warren Co.)	Turtlecreek Township (Warren Co.)	Middletown City
Total population	50,030	388,327	243,189	16,786	47,152	31,777	17,574	50,514
Civilian employed population, 16 years and over	22,436	186,002	121,923	8,732	21,056	16,128	5,944	22,475
Industry Categories								
Agriculture, forestry, fishing and hunting, and mining	0.7%	0.4%	0.4%	0.3%	0.7%	0.0%	0.6%	0.6%
Construction	5.6%	5.9%	4.7%	5.9%	5.9%	6.7%	6.4%	5.9%
Manufacturing	17.8%	16.1%	16.8%	17.1%	17.6%	19.3%	16.7%	17.7%
Wholesale trade	1.3%	2.2%	2.5%	1.0%	1.3%	2.0%	2.5%	1.3%
Retail trade	15.9%	12.0%	11.3%	12.3%	15.8%	13.8%	10.3%	15.4%
Transportation and warehousing, and utilities	5.9%	5.6%	3.8%	4.6%	6.0%	6.2%	3.1%	5.8%
Information	1.4%	1.2%	1.3%	1.7%	1.5%	1.4%	1.6%	1.4%
Finance and insurance, and real estate and rental and leasing	6.0%	7.3%	7.9%	7.5%	5.9%	4.5%	7.0%	6.1%
Professional, scientific, and management, and administrative and waste management services	10.0%	10.0%	13.7%	8.7%	9.9%	8.3%	10.9%	9.8%
Educational services, and health care and social assistance	18.8%	23.1%	22.8%	24.5%	18.6%	20.1%	23.3%	19.4%
Arts, entertainment, and recreation, and accommodation and food services	11.2%	9.5%	7.0%	7.4%	11.3%	7.7%	7.0%	11.0%
Other services, except public administration	3.8%	3.8%	3.6%	4.3%	3.9%	6.2%	4.2%	3.9%
Public administration	1.6%	3.0%	4.2%	4.8%	1.5%	3.8%	6.6%	1.6%
Occupation Categories								
Management, business, science, and arts occupations	26.2%	38.8%	50.8%	39.8%	25.9%	27.9%	52.3%	26.7%
Service occupations	20.7%	17.2%	12.5%	13.7%	21.0%	16.8%	16.2%	20.4%
Sales and office occupations	20.1%	21.1%	20.0%	27.0%	19.7%	21.8%	19.0%	20.2%
Natural resources, construction, and maintenance occupations	7.8%	6.9%	6.1%	5.8%	8.2%	11.7%	7.2%	8.0%
Production, transportation, and material moving occupations	25.2%	16.1%	10.5%	13.7%	25.3%	21.9%	5.3%	24.6%

Source: American Community Survey 5-Year Estimates (2022)

Financial Status

According to the U.S. Census Bureau, earnings come from a job (salary/wages) while income also includes payments such as “Social Security, pensions, child support, public assistance, annuities, money derived from rental properties, interest and dividends.” The table below shows income, earnings, poverty status, and unemployment rate in the ACS 2022 estimates.

Financial Status (2022 Estimates)	Middletown City School District Boundary	Butler County	Warren County	Lemon Township (Butler Co.)	Middletown City (Butler Co.)	Franklin Township (Warren Co.)	Turtlet Creek Township (Warren Co.)	Middletown City
Earnings								
Population 16 years and over with earnings	25,286	208,507	133,278	9,175	23,670	17,587	7,281	25,313
Full-time, year-round workers with earnings	15,990	134,441	91,042	6,242	15,092	11,806	4,864	16,139
\$1 to \$9,999 or less	0.9%	1.1%	0.8%	2.8%	1.0%	1.0%	0.9%	0.9%
\$10,000 to \$14,999	2.6%	1.9%	1.5%	1.9%	2.7%	1.8%	1.7%	2.7%
\$15,000 to \$24,999	12.1%	7.0%	4.4%	4.5%	12.5%	8.2%	3.7%	12.0%
\$25,000 to \$34,999	18.2%	12.8%	7.5%	8.8%	18.6%	11.5%	7.5%	17.9%
\$35,000 to \$49,999	24.5%	19.0%	15.8%	18.9%	24.0%	26.6%	14.6%	24.3%
\$50,000 to \$64,999	17.1%	15.2%	13.7%	13.4%	17.3%	15.8%	13.5%	16.8%
\$65,000 to \$74,999	8.3%	9.0%	8.7%	13.3%	7.6%	9.1%	10.2%	8.5%
\$75,000 to \$99,999	9.6%	14.0%	17.7%	17.8%	9.4%	14.9%	18.1%	9.2%
\$100,000 or more	6.8%	20.1%	29.9%	18.5%	7.0%	11.1%	29.7%	7.6%
Median Earnings	\$32,933	\$40,753	\$52,705	\$45,438	\$32,669	\$39,336	\$54,858	\$33,207
Household Income								
Total Households	21,008	144,536	88,735	5,903	19,533	12,573	4,577	20,941
Less than \$10,000	7.5%	4.8%	2.1%	0.8%	7.9%	4.3%	1.5%	7.4%
\$10,000 to \$14,999	6.6%	3.1%	1.8%	2.2%	6.5%	3.1%	2.0%	6.4%
\$15,000 to \$24,999	9.2%	6.3%	4.2%	5.1%	9.6%	6.8%	3.3%	9.2%
\$25,000 to \$34,999	11.7%	7.5%	3.9%	4.8%	11.6%	9.3%	4.9%	11.3%
\$35,000 to \$49,999	15.4%	10.8%	7.7%	7.0%	15.2%	13.0%	7.0%	15.5%
\$50,000 to \$74,999	18.1%	16.1%	14.5%	15.1%	17.9%	15.9%	12.7%	18.3%
\$75,000 to \$99,999	13.4%	13.8%	14.2%	18.4%	13.5%	15.1%	14.8%	13.2%
\$100,000 to \$149,999	11.9%	18.2%	22.0%	26.7%	11.6%	19.7%	19.2%	12.1%
\$150,000 to \$199,999	3.3%	9.6%	11.7%	13.0%	3.3%	7.9%	15.3%	3.6%
\$200,000 or more	3.0%	9.6%	17.9%	6.9%	3.0%	5.0%	19.3%	3.1%
Median income (dollars)	\$49,720	\$77,062	\$103,128	\$95,932	\$49,317	\$69,662	\$112,484	\$50,457
Poverty Status								
% below poverty level	19.7%	11.8%	5.1%	7.4%	20.2%	11.1%	4.7%	19.2%
Under 18 years	30.6%	13.8%	5.8%	8.9%	32.0%	16.6%	5.9%	29.8%
18 to 64 years	18.7%	12.2%	4.8%	7.5%	19.0%	9.8%	3.2%	18.2%
65 years and over	10.2%	7.2%	5.5%	4.2%	9.7%	9.4%	7.5%	10.0%
Unemployment Rate								
Population 20 to 64 years	7.2%	4.6%	2.7%	3.0%	7.0%	3.2%	1.6%	7.1%

Source: American Community Survey 5-Year Estimates (2022)

Computer / Internet Access

The table below shows the presence of a computer and/or internet subscription in households in the geographies served by the District, according the 2022 ACS estimates. Percentages shown are based on total households.

% of Total Households with Internet/Computers (2022 Estimates)	Middletown City School District Boundary	Butler County	Warren County	Lemon Township (Butler Co.)	Middletown City (Butler Co.)	Franklin Township (Warren Co.)	Turtlecreek Township (Warren Co.)	Middletown City
Has a Computer	90.2%	94.2%	97.0%	95.5%	90.0%	94.5%	94.5%	90.4%
Has an Internet subscription	82.9%	89.7%	93.4%	92.8%	82.6%	88.9%	87.9%	83.3%
Has no Internet Subscription	7.3%	4.5%	3.6%	2.7%	7.3%	5.6%	6.6%	7.1%
Has no Computer	9.8%	5.8%	3.0%	4.5%	10.0%	5.5%	5.5%	9.6%

Source: American Community Survey 5-Year Estimates (2022)






School Enrollment

The tables below summarize the percentage of the population living within the Middletown City School District boundary, by age group, enrolled in school; enrolled in school and attending public school; and enrolled in school and attending private school, based on U.S. Census American Community Survey (ACS) 5-Year Estimates. Home-schooled children are counted in the private school data; the ACS does not distinguish between charter and non-charter schools. If anyone in these age groups had not attended any school in the 3 months before the survey was conducted, they were considered to not be enrolled in any school.

It should be noted that this data is not a survey of the students attending schools in the District; rather, it is based on monthly surveys sent out by the ACS to households in the District boundary. This survey data is then used to create the estimates shown in the tables below.

MIDDLETOWN CITY SCHOOL DISTRICT BOUNDARY






% OF AGE GROUP ENROLLED IN SCHOOL

Age Group	2015	2016	2017	2018	2019	2020	2021	2022	Trend
3-4	27.6%	35.7%	42.9%	46.5%	48.8%	39.7%	37.9%	34.9%	
5-9	93.6%	93.6%	94.8%	94.5%	95.3%	96.3%	95.1%	94.8%	
10-14	99.1%	99.1%	99.0%	98.7%	96.6%	98.1%	98.0%	97.7%	
15-17	98.5%	98.7%	99.0%	98.1%	97.8%	98.3%	97.1%	98.1%	
18-19	54.5%	59.0%	56.4%	63.2%	44.8%	46.3%	46.3%	56.9%	

Source: U.S. Census American Community Survey 5-Year Estimates 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022

MIDDLETOWN CITY SCHOOL DISTRICT BOUNDARY






% OF AGE GROUP ENROLLED IN SCHOOL ATTENDING PUBLIC SCHOOL

Age Group	2015	2016	2017	2018	2019	2020	2021	2022	Trend
3-4	68.9%	79.6%	84.4%	75.5%	78.5%	71.5%	69.7%	53.4%	
5-9	82.9%	79.1%	81.4%	86.4%	88.8%	91.9%	86.9%	84.2%	
10-14	90.2%	91.3%	90.2%	91.1%	91.8%	90.1%	78.6%	84.0%	
15-17	91.8%	89.1%	91.3%	88.8%	87.8%	86.9%	87.8%	89.5%	
18-19	88.5%	87.9%	91.1%	93.3%	85.6%	59.1%	60.3%	63.4%	

Source: U.S. Census American Community Survey 5-Year Estimates 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022

MIDDLETOWN CITY SCHOOL DISTRICT BOUNDARY

% OF AGE GROUP ENROLLED IN SCHOOL ATTENDING PRIVATE SCHOOL

Age Group	2015	2016	2017	2018	2019	2020	2021	2022	Trend
3-4	31.1%	20.4%	15.6%	24.5%	21.5%	28.5%	30.3%	46.6%	
5-9	17.1%	20.9%	18.6%	13.6%	11.2%	8.1%	13.1%	15.8%	
10-14	9.8%	8.7%	9.8%	8.9%	8.2%	9.9%	21.4%	16.0%	
15-17	8.2%	10.9%	8.7%	11.2%	12.2%	13.1%	12.2%	10.5%	
18-19	11.5%	12.1%	8.9%	6.7%	14.4%	40.9%	39.7%	36.6%	

Source: U.S. Census American Community Survey 5-Year Estimates 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022

GENERAL DEMOGRAPHICS

The following information represents block group estimates created from market research and U.S. Census data obtained from the Environmental Systems Research Institute [ESRI]. ESRI provides a yearly update to their demographic data in increments of five years. To make updates to their demographic data set, they use American Community Survey [ACS] data that takes a series of monthly sample surveys but only from areas with populations of 65,000 or more. One year of ACS data is a period estimate as a twelve-month average, rather than a single point in time.

According to the ESRI estimates, the total population of Butler County is estimated to decrease, while the total population of Warren County is estimated to increase over the next five years. As illustrated in the tables below, the number of children, ages 5-18, is estimated to decrease by 5,028 children, or approximately 7 percent, in Butler County; and by 1,400 children, or approximately 3 percent, in Warren County.

**BUTLER COUNTY
POPULATION ESTIMATES**

Age Group	2024	2029	Change	% Change
Ages 0-2	13,351	13,502	151	1.1%
Ages 3-4	9,465	9,080	-385	-4.1%
Ages 5-10	29,619	27,225	-2,394	-8.1%
Ages 11-13	15,285	14,620	-665	-4.4%
Ages 14-18	26,643	24,674	-1,969	-7.4%
Ages 5-18	71,547	66,519	-5,028	-7.0%
Total Population	391,853	391,275	-578	-0.1%

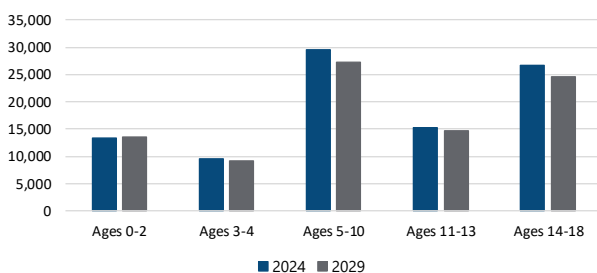
Source: ESRI BIS

**WARREN COUNTY
POPULATION ESTIMATES**

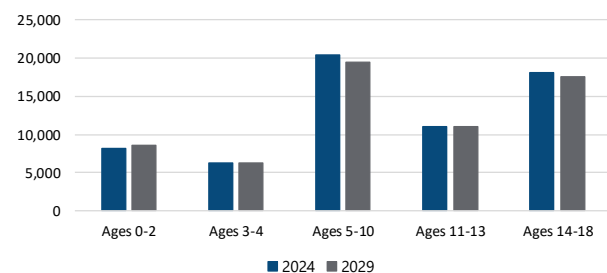
Age Group	2024	2029	Change	% Change
Ages 0-2	8,175	8,632	457	5.6%
Ages 3-4	6,249	6,311	62	1.0%
Ages 5-10	20,438	19,530	-908	-4.4%
Ages 11-13	11,031	10,986	-45	-0.4%
Ages 14-18	18,076	17,629	-447	-2.5%
Ages 5-18	49,545	48,145	-1,400	-2.8%
Total Population	255,757	267,486	11,729	4.6%

Source: ESRI BIS

**BUTLER COUNTY
POPULATION ESTIMATES**



**WARREN COUNTY
POPULATION ESTIMATES**



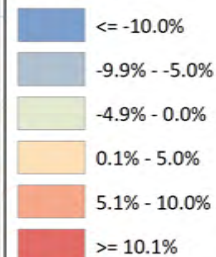
MIDDLETOWN CITY SCHOOL DISTRICT BOUNDARY ESTIMATED SCHOOL-AGED POPULATION CHANGE 2024-2029

The map on the following page shows school-aged population change in the U.S. Census block groups within / around the Middletown City School District boundary. Population changes are based on 2024 and 2029 estimates.

A block group is defined by the U.S. Census Bureau as, “a statistical district of a census tract, generally defined to contain between 600 and 3,000 people and 240 and 1,200 housing units, and the smallest geographic unit for which the Census Bureau tabulates sample data.”

Middletown City School District Boundary School-Aged Population Change (2024 - 2029)

School-Aged Population Change 2024 - 2029

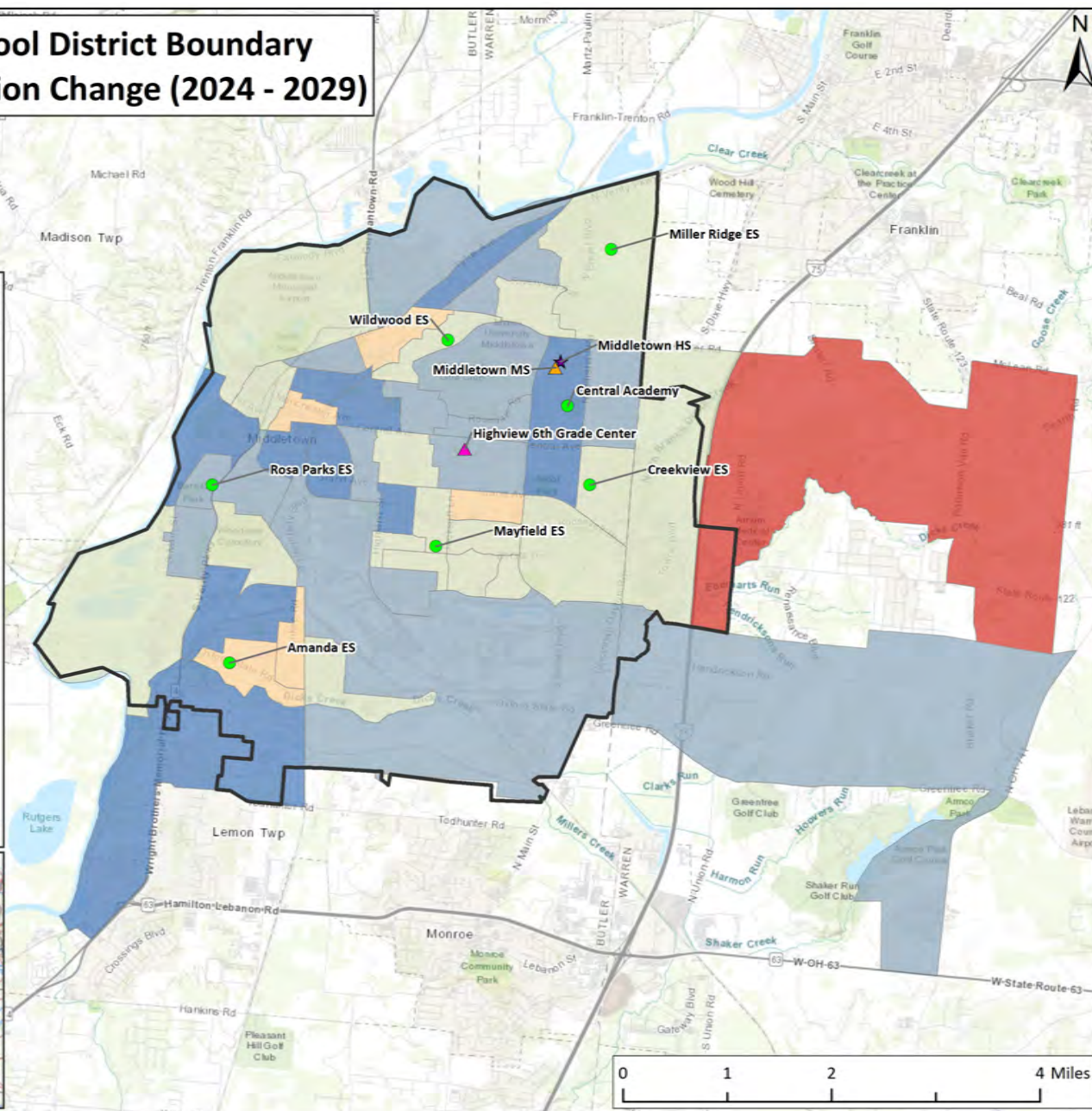


District Boundary SY: 2425

Schools

- Elementary School
- Intermediate School
- Middle School
- High School

Demographic Data Source: ESRI BIS



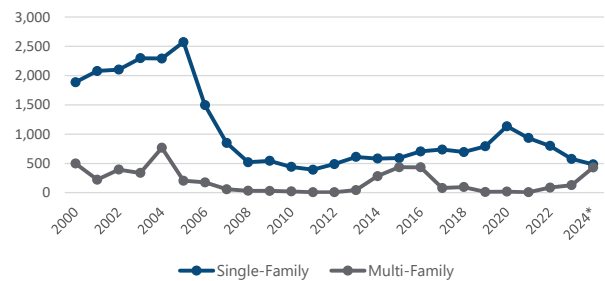
HOUSING DATA

Housing development and building permits are tracked to determine their effect on student enrollment. The table and graph below illustrate the number of single- and multi-family building permits issued in Butler County, Warren County, and Middletown since 2000.

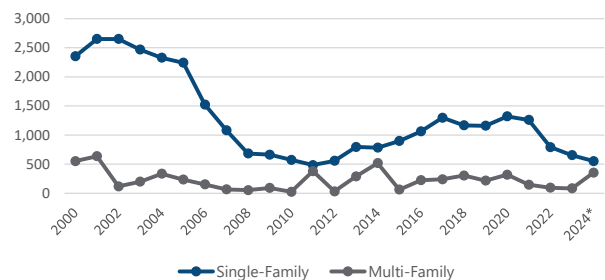
Year	BUILDING PERMITS					
	BUTLER COUNTY		WARREN COUNTY		MIDDLETOWN	
	Single-Family	Multi-Family	Single-Family	Multi-Family	Single-Family	Multi-Family
2000	1,887	498	2,353	553	88	6
2001	2,080	223	2,649	636	81	70
2002	2,102	394	2,650	118	52	4
2003	2,298	337	2,467	199	64	50
2004	2,292	768	2,328	336	58	4
2005	2,573	204	2,241	236	34	22
2006	1,495	176	1,524	152	63	0
2007	851	59	1,081	67	33	0
2008	521	33	683	54	13	0
2009	544	30	664	91	11	0
2010	440	22	573	26	10	0
2011	393	8	484	380	19	0
2012	488	8	557	33	14	0
2013	611	44	796	290	30	0
2014	583	283	783	518	20	0
2015	591	436	898	64	24	96
2016	706	434	1,062	225	33	10
2017	737	80	1,298	241	34	4
2018	694	97	1,167	305	54	0
2019	793	12	1,159	217	66	0
2020	1,134	18	1,321	319	178	0
2021	934	7	1,259	147	175	0
2022	799	88	792	96	137	4
2023	577	129	655	84	70	0
2024*	483	432	553	355	70	0

Source: SOCDs Building Permits Database (*preliminary through September 2024)

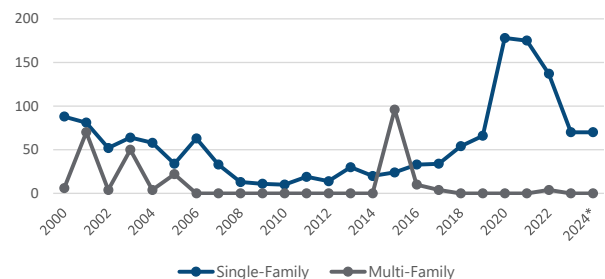
**BUTLER COUNTY
BUILDING PERMITS**



**WARREN COUNTY
BUILDING PERMITS**



**MIDDLETOWN
BUILDING PERMITS**



The table below indicates residential development occurring within the Middletown City School District boundary. Based on the current (2024-25) elementary school attendance boundaries, there are 133 planned units in the Creekview ES boundary, 65 planned units in the Mayfield ES boundary, 23 planned units in the Miller Ridge ES boundary, and 28 planned units in the Wildwood ES boundary.

Residential Development

Name	Type	Units	Status	2024-25 ES Boundary
Havenwood	Single-family	47	Active (start/end 2026)	Creekview ES
Heritage Landing	Single-family Attached	86	Active (start/end 2026)	Creekview ES
Bonita Drive Condominiums	Condominium	6	Planned (start/end 2025)	Mayfield ES
Townes of Lincoln Village	Townhome	59	Planned (start/end 2026)	Mayfield ES
Waterford Place	Single-family / Duplex	23	Active (end 2025)	Miller Ridge ES
The Preserve at Roosevelt Ridge	Single-family	28	Active (end 2026)	Wildwood ES

Source: Middletown City School District

RESIDENT LIVE BIRTH DATA

Utilization of resident live birth data is recommended when projecting future kindergarten enrollments. This data provides a helpful overall trend. Large bubbles in birth counts, either up or down, can also be planned for or anticipated by the District.

In addition, the live birth counts are used in determining a birth-to-kindergarten and birth-to-first grade survival ratio. This ratio identifies the percentage of children born in a representative area who attend kindergarten and first grade in the District five and six years later. The survival ratios for birth-to-kindergarten, birth-to-first grade, as well as grades 1-12 can be found on page 25 of this report.

Data is arranged by the residence of the mother. For example, if a mother lives in Middletown but delivers her baby in Cincinnati, the birth is counted in Middletown. Live birth counts are different from live birth rates. The live birth count is simply the actual number of live births. A birth rate is the number of births per 1,000 women in a specified population group.

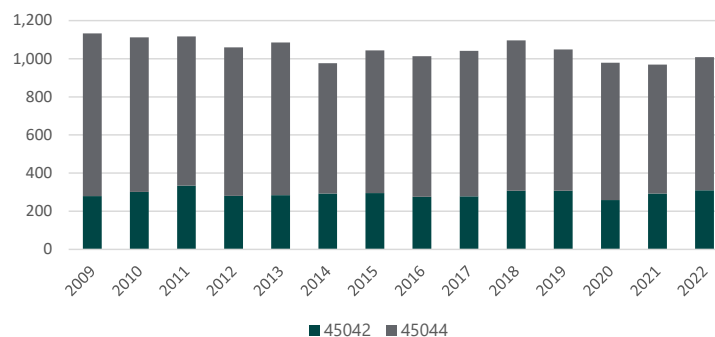
The table and graph include the resident live birth counts for ZIP codes 45005, 45042 and 45044. Upon analysis of student data and the map on the following page, only live birth counts for ZIP codes 45042 and 45044 were used in the development of the enrollment projections.

**MIDDLETOWN CITY SCHOOL DISTRICT ZIP CODES
RESIDENT LIVE BIRTH COUNTS**

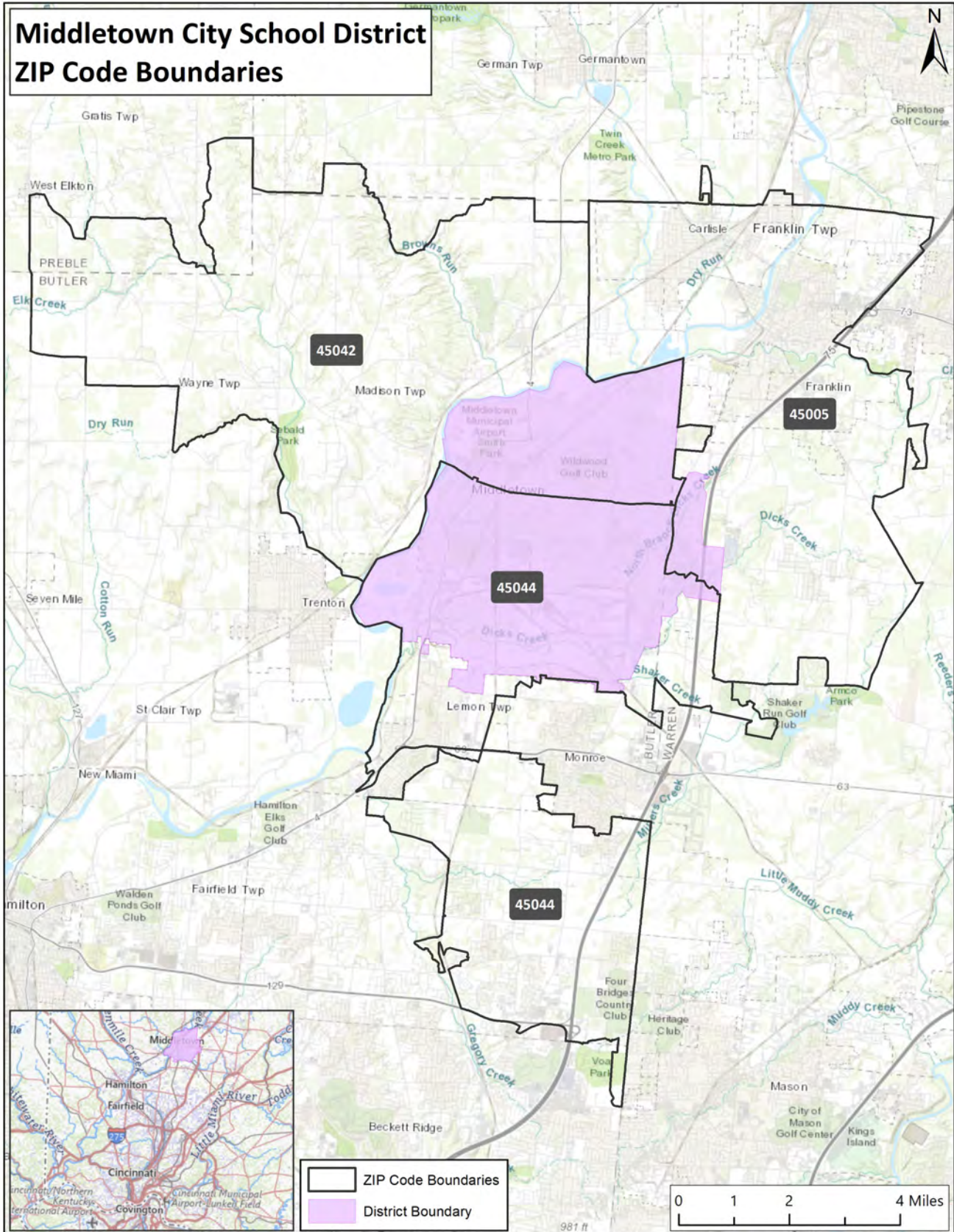
Year	45005	45042	45044
2009	427	279	854
2010	360	302	810
2011	379	335	782
2012	354	281	779
2013	374	285	800
2014	384	293	683
2015	345	296	748
2016	362	276	737
2017	355	278	763
2018	349	307	789
2019	349	307	742
2020	345	259	720
2021	355	293	676
2022	342	310	698

Source: Ohio Department of Health

**MIDDLETOWN CITY SCHOOL DISTRICT ZIP CODES
RESIDENT LIVE BIRTH COUNTS**



Middletown City School District ZIP Code Boundaries



SURVIVAL RATIOS

The chart below demonstrates the ten-year changes in enrollment, by grade level, as students move through the system. Percentages greater than 100 indicate that there are more students than there were in the previous grade the previous year. In other words, there was an increase in student population where new students were added to the system. Percentages less than 100 indicate that there was decline or students left the system. If the exact number of students in 1st grade during the 2015-16 school year were present in 2nd grade for the 2016-17 school year, the survival ratio would be 100 percent.

Birth-to-Kindergarten and Birth-to-First Grade: This ratio indicates the number of children born in the area who attend kindergarten and first grade in the district five and six years later. What is important to note is the trend in survival ratios, not necessarily the actual number.

Grades 8 to 9: The higher than usual percentage may be a result of school district promotion policies. Often in school districts, students are promoted from 8th to 9th grade and after one year in 9th grade do not have sufficient credits to be classified as a 10th grader and are counted again as 9th graders the following year. There may also be students who are attending private or charter schools or are home schooled through grade 8 and then attend public schools for high school education.

The COVID-19 pandemic introduced an unforeseen level of volatility, nationwide, as seen in the survival ratios for the 2019-20 to 2020-21 and 2020-21 to 2021-22 school years. These ratios will need to be monitored closely over the next few years as new trends are established.

Survival Ratios - District-wide

from	to	Birth to K	K to 1	Birth to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12
2015-16	2016-17	51.21%	92.58%	47.12%	99.05%	103.23%	93.06%	101.34%	95.76%	91.77%	96.94%	99.12%	93.08%	73.41%	95.43%
2016-17	2017-18	50.28%	100.87%	51.66%	103.05%	109.18%	89.24%	96.36%	97.17%	96.84%	99.33%	109.91%	99.11%	72.52%	93.02%
2017-18	2018-19	49.40%	98.69%	49.62%	100.52%	103.89%	86.87%	109.92%	100.38%	98.25%	98.69%	105.64%	91.60%	71.08%	89.44%
2018-19	2019-20	53.28%	100.56%	49.68%	96.58%	97.76%	89.66%	102.82%	98.58%	102.63%	99.41%	105.74%	91.45%	76.73%	87.38%
2019-20	2020-21	37.07%	98.08%	52.25%	92.76%	94.69%	90.65%	96.42%	90.00%	94.08%	97.62%	98.61%	93.95%	72.66%	94.17%
2020-21	2021-22	51.92%	105.68%	39.18%	94.31%	97.00%	98.75%	96.69%	97.11%	100.44%	101.34%	103.00%	97.18%	78.67%	91.64%
2021-22	2022-23	46.69%	100.00%	51.92%	104.16%	99.38%	102.68%	98.74%	100.40%	100.21%	102.39%	105.65%	89.44%	80.71%	87.85%
2022-23	2023-24	44.25%	92.59%	43.23%	98.67%	100.94%	100.42%	97.79%	98.51%	99.20%	94.49%	98.52%	87.70%	73.52%	82.52%
2023-24	2024-25	43.76%	103.09%	45.62%	106.00%	96.53%	99.53%	98.33%	100.41%	104.98%	99.80%	107.62%	92.26%	76.02%	89.75%
mean simple all years		47.54%	99.13%	47.81%	99.46%	100.29%	94.54%	99.82%	97.59%	98.71%	98.89%	103.76%	92.86%	75.04%	90.13%
std. dev. simple all years		5.15%	4.35%	4.46%	4.46%	4.54%	5.83%	4.39%	3.29%	4.09%	2.35%	4.18%	3.56%	3.20%	3.97%
mean simple 5 years		44.74%	99.89%	46.44%	99.18%	97.71%	98.41%	97.60%	97.29%	99.78%	99.13%	102.68%	92.10%	76.32%	89.19%
std. dev. simple 5 years		5.37%	5.01%	5.65%	5.84%	2.46%	4.58%	1.01%	4.30%	3.89%	3.15%	4.10%	3.73%	3.39%	4.40%
mean simple 3 years		44.90%	98.56%	46.92%	102.94%	98.95%	100.88%	98.29%	99.77%	101.46%	98.89%	103.93%	89.80%	76.75%	86.71%
std. dev. simple 3 years		1.57%	5.40%	4.49%	3.81%	2.23%	1.62%	0.47%	1.10%	3.09%	4.02%	4.79%	2.30%	3.65%	3.75%
mean simple 2 years		44.00%	97.84%	44.42%	102.33%	98.74%	99.98%	98.06%	99.45%	102.09%	97.14%	103.07%	89.98%	74.77%	86.13%
std. dev. simple 2 years		0.35%	7.42%	1.69%	5.18%	3.12%	0.62%	0.38%	1.35%	4.09%	3.75%	6.44%	3.22%	1.76%	5.11%
mean weighted all years		45.63%	99.70%	46.36%	101.06%	98.58%	98.22%	98.59%	98.64%	100.95%	98.90%	103.91%	91.56%	75.96%	88.41%
std. dev. weighted all years		4.19%	4.73%	4.32%	4.93%	3.01%	4.65%	2.68%	2.89%	3.61%	2.86%	4.11%	3.23%	2.91%	3.86%
mean weighted 5 years		44.52%	100.05%	45.58%	102.88%	97.98%	99.86%	98.10%	99.45%	102.37%	98.78%	104.55%	91.08%	76.01%	87.90%
std. dev. weighted 5 years		2.63%	5.14%	3.50%	4.60%	2.22%	2.08%	0.60%	2.11%	3.33%	3.01%	4.42%	2.81%	2.49%	3.72%
mean weighted 3 years		43.96%	101.13%	45.45%	104.64%	97.42%	99.81%	98.25%	100.08%	103.78%	98.97%	105.95%	91.35%	75.76%	88.41%
std. dev. weighted 3 years		0.71%	4.88%	1.95%	3.40%	2.10%	0.82%	0.28%	0.89%	2.82%	2.60%	4.23%	2.17%	1.68%	3.36%
mean weighted 2 years		43.78%	102.59%	45.51%	105.65%	96.74%	99.58%	98.31%	100.32%	104.70%	99.55%	107.19%	92.04%	75.90%	89.41%
std. dev. weighted 2 years		0.15%	3.16%	0.72%	2.21%	1.33%	0.27%	0.16%	0.57%	1.74%	1.60%	2.74%	1.37%	0.75%	2.18%

MIDDLETOWN CITY SCHOOL DISTRICT HISTORICAL ENROLLMENT

As indicated in the table below, over the past ten years, student enrollment in the Middletown City School District has decreased by 315 students.

Historical Enrollment - District-wide

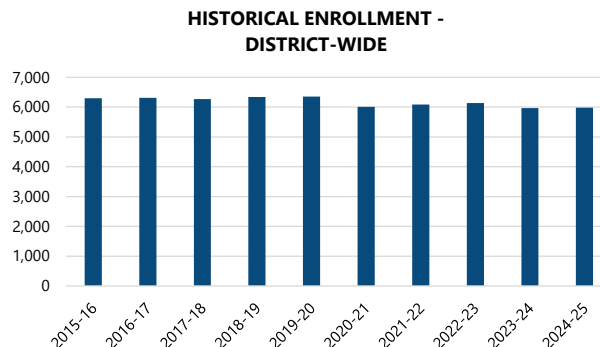
Grade	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
PS	134	165	49	63	74	38	78	61	76	70
K	566	572	533	536	520	387	526	486	485	459
1	528	524	577	526	539	510	409	526	450	500
2	558	523	540	580	508	500	481	426	519	477
3	591	576	571	561	567	481	485	478	430	501
4	523	550	514	496	503	514	475	498	480	428
5	495	530	530	565	510	485	497	469	487	472
6	486	474	515	532	557	459	471	499	462	489
7	458	446	459	506	546	524	461	472	495	485
8	454	444	443	453	503	533	531	472	446	494
9	477	450	488	468	479	496	549	561	465	480
10	410	444	446	447	428	450	482	491	492	429
11	328	301	322	317	343	311	354	389	361	374
12	289	313	280	288	277	323	285	311	321	324
K - 12 Total	6,163	6,147	6,218	6,275	6,280	5,973	6,006	6,078	5,893	5,912
Grand Total	6,297	6,312	6,267	6,338	6,354	6,011	6,084	6,139	5,969	5,982

Source: Ohio Department of Education, Fall Enrollment (Headcount) (2015-16 through 2023-24); Middletown City School District (2024-25)

Historical Enrollment - District-wide

Grade	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
PS	134	165	49	63	74	38	78	61	76	70
K - 5	3,261	3,275	3,265	3,264	3,147	2,877	2,873	2,883	2,851	2,837
6	486	474	515	532	557	459	471	499	462	489
7 - 8	912	890	902	959	1,049	1,057	992	944	941	979
9 - 12	1,504	1,508	1,536	1,520	1,527	1,580	1,670	1,752	1,639	1,607
K - 12 Total	6,163	6,147	6,218	6,275	6,280	5,973	6,006	6,078	5,893	5,912
Grand Total	6,297	6,312	6,267	6,338	6,354	6,011	6,084	6,139	5,969	5,982

Source: Ohio Department of Education, Fall Enrollment (Headcount) (2015-16 through 2023-24); Middletown City School District (2024-25)



The varying shades of color in the table represent statistically significant cohort sizes. The darker blue represents smaller cohorts, while the darker red represents larger cohorts, comparatively.

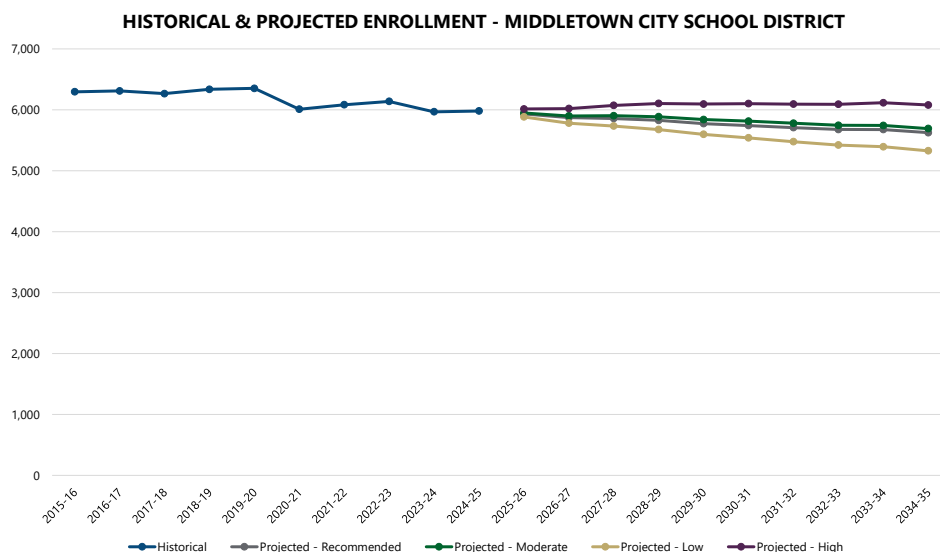
PROJECTED ENROLLMENT

Woolpert developed low, moderate, high, and recommended enrollment projections for the Middletown City School District. The moderate enrollment projections are based on a selected average or weighted average of survival ratios (in this case, a 3-year weighted average). The low and high enrollment projections are developed using statistical distributional theory, providing the District with a more conservative (low) and more liberal (high) enrollment projection. The recommended enrollment projection is based on a detailed analysis of historical enrollment and resulting survival ratios over the past 10 years. Significant shifts in survival ratio patterns are realized and accounted for in determining projection ratios independently for each grade level. The recommended illustrates the most likely direction of the District based on more recent trends.

The range of enrollment projections from low (conservative) to high (liberal) are offered due to the limitations of the cohort survival method in factoring changes to policies, program offerings, and future changes in housing and migration patterns. For example, the low enrollment projection might be used if housing declines significantly more than anticipated; the high enrollment projection might be used if housing growth increases at a more rapid rate than seen in recent years.

It should be noted that the actual live birth counts are available through 2022 and project kindergarten enrollment through 2027-28. To project kindergarten through 2034-35, a simple average of the last 3 years of live birth counts was used.

Projected PK enrollment does not follow the cohort survival method but is based on the 70 PK seats the District keeps full throughout the school year (according the Middletown City School District).



MIDDLETOWN CITY SCHOOL DISTRICT PROJECTED ENROLLMENT—RECOMMENDED

Based on the Recommended projected enrollment, student enrollment in the Middletown City School District is projected to decrease from 5,982 in the 2024-25 school year to 5,627 students in the 2034-35 school year.

Projected Enrollment - Recommended - District-wide

Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K	434	429	446	436	436	436	436	436	436	436
1	464	438	434	451	441	441	441	441	441	441
2	516	479	452	447	465	455	455	455	455	455
3	470	508	472	446	441	459	448	448	448	448
4	500	470	508	471	445	440	458	448	448	448
5	421	492	461	499	463	437	433	450	440	440
6	472	421	492	462	499	463	438	433	451	440
7	494	477	425	497	466	504	468	442	437	455
8	480	489	472	420	491	461	499	463	437	433
9	516	502	511	493	440	514	482	521	484	457
10	438	472	458	467	451	402	469	441	476	442
11	328	336	361	351	357	345	307	359	337	364
12	331	290	297	319	310	316	305	272	318	298
K - 12 Total	5,864	5,803	5,789	5,759	5,705	5,673	5,639	5,609	5,608	5,557
Grand Total	5,934	5,873	5,859	5,829	5,775	5,743	5,709	5,679	5,678	5,627

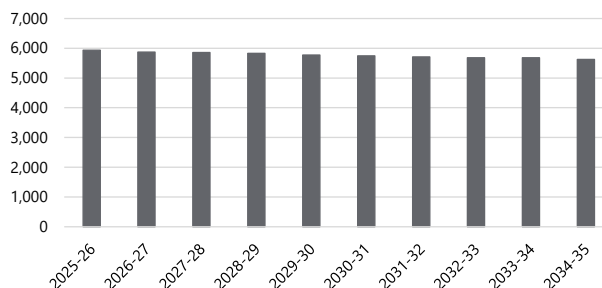
Source: Woolpert

Projected Enrollment - Recommended - District-wide

Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K - 6	3,277	3,237	3,265	3,212	3,190	3,131	3,109	3,111	3,119	3,108
7 - 8	974	966	897	917	957	965	967	905	874	888
9 - 12	1,613	1,600	1,627	1,630	1,558	1,577	1,563	1,593	1,615	1,561
K - 12 Total	5,864	5,803	5,789	5,759	5,705	5,673	5,639	5,609	5,608	5,557
Grand Total	5,934	5,873	5,859	5,829	5,775	5,743	5,709	5,679	5,678	5,627

Source: Woolpert

PROJECTED ENROLLMENT - RECOMMENDED -
DISTRICT-WIDE



The varying shades of color in the table represent statistically significant cohort sizes. The darker blue represents smaller cohorts, while the darker red represents larger cohorts, comparatively.

MIDDLETOWN CITY SCHOOL DISTRICT PROJECTED ENROLLMENT—MODERATE

Based on the Moderate projected enrollment, student enrollment in the Middletown City School District is projected to decrease from 5,982 in the 2024-25 school year to 5,693 students in the 2034-35 school year.

Projected Enrollment - Moderate - District-wide

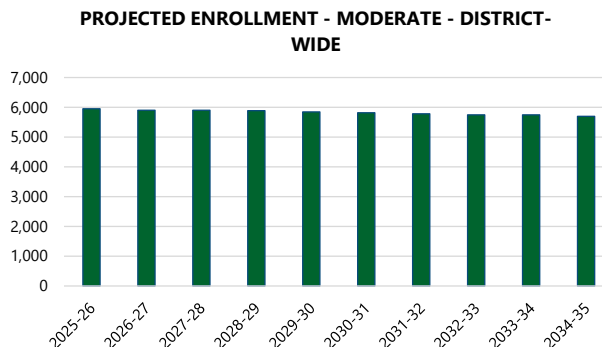
Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K	430	426	443	433	433	433	433	433	433	433
1	464	435	431	448	438	438	438	438	438	438
2	523	486	455	451	469	458	458	458	458	458
3	465	510	473	444	439	457	447	447	447	447
4	500	464	509	472	443	438	456	446	446	446
5	421	491	456	500	464	435	431	448	438	438
6	472	421	492	456	500	464	435	431	448	438
7	507	490	437	510	473	519	482	452	447	465
8	480	502	485	432	505	468	514	477	447	443
9	523	509	532	514	458	535	496	544	505	474
10	438	478	465	486	470	418	489	453	497	462
11	325	332	362	352	368	356	317	370	343	377
12	331	287	294	320	311	326	315	280	327	304
K - 12 Total	5,879	5,831	5,834	5,818	5,771	5,745	5,711	5,677	5,674	5,623
Grand Total	5,949	5,901	5,904	5,888	5,841	5,815	5,781	5,747	5,744	5,693

Source: Woolpert

Projected Enrollment - Moderate - District-wide

Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K - 6	3,275	3,233	3,259	3,204	3,186	3,123	3,098	3,101	3,108	3,098
7 - 8	987	992	922	942	978	987	996	929	894	908
9 - 12	1,617	1,606	1,653	1,672	1,607	1,635	1,617	1,647	1,672	1,617
K - 12 Total	5,879	5,831	5,834	5,818	5,771	5,745	5,711	5,677	5,674	5,623
Grand Total	5,949	5,901	5,904	5,888	5,841	5,815	5,781	5,747	5,744	5,693

Source: Woolpert



The varying shades of color in the table represent statistically significant cohort sizes. The darker blue represents smaller cohorts, while the darker red represents larger cohorts, comparatively.

MIDDLETOWN CITY SCHOOL DISTRICT PROJECTED ENROLLMENT—LOW

Based on the Low projected enrollment, student enrollment in the Middletown City School District is projected to decrease from 5,982 in the 2024-25 school year to 5,329 students in the 2034-35 school year.

Projected Enrollment - Low- District-wide

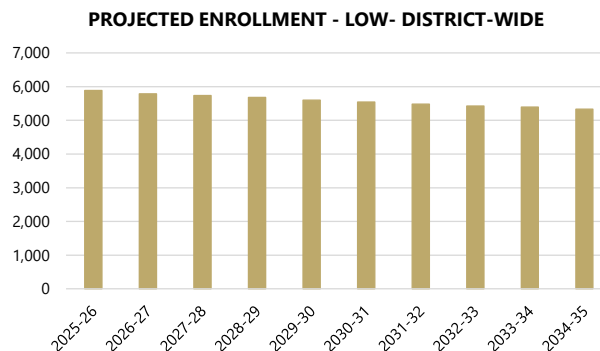
Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K	427	423	440	430	430	430	430	430	430	430
1	454	423	418	435	425	425	425	425	425	425
2	516	468	436	431	449	439	439	439	439	439
3	460	497	452	420	416	433	423	423	423	423
4	498	458	495	449	418	414	430	421	421	421
5	420	489	449	485	441	410	406	422	413	413
6	470	419	487	448	484	439	409	405	421	412
7	501	482	429	500	459	496	450	419	415	432
8	474	490	472	420	489	449	485	440	410	406
9	514	494	510	491	437	508	467	505	458	427
10	434	465	446	461	444	395	459	422	456	414
11	322	325	348	335	346	333	296	345	316	342
12	325	280	283	303	291	300	289	257	299	275
K - 12 Total	5,815	5,713	5,665	5,608	5,529	5,471	5,408	5,353	5,326	5,259
Grand Total	5,885	5,783	5,735	5,678	5,599	5,541	5,478	5,423	5,396	5,329

Source: Woolpert

Projected Enrollment - Low- District-wide

Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K - 6	3,245	3,177	3,177	3,098	3,063	2,990	2,962	2,965	2,972	2,963
7 - 8	975	972	901	920	948	945	935	859	825	838
9 - 12	1,595	1,564	1,587	1,590	1,518	1,536	1,511	1,529	1,529	1,458
K - 12 Total	5,815	5,713	5,665	5,608	5,529	5,471	5,408	5,353	5,326	5,259
Grand Total	5,885	5,783	5,735	5,678	5,599	5,541	5,478	5,423	5,396	5,329

Source: Woolpert



The varying shades of color in the table represent statistically significant cohort sizes. The darker blue represents smaller cohorts, while the darker red represents larger cohorts, comparatively.

MIDDLETOWN CITY SCHOOL DISTRICT PROJECTED ENROLLMENT—HIGH

Based on the High projected enrollment, student enrollment in the Middletown City School District is projected to increase from 5,982 in the 2024-25 school year to 6,081 students in the 2034-35 school year.

Projected Enrollment - High - District-wide

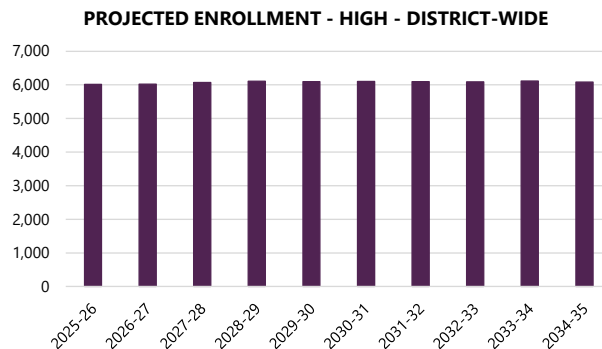
Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K	434	429	446	436	436	436	436	436	436	436
1	474	448	443	461	451	451	451	451	451	451
2	531	503	476	471	490	479	479	479	479	479
3	469	522	495	468	463	482	471	471	471	471
4	502	470	523	496	469	464	482	472	472	472
5	421	494	462	515	488	461	456	475	464	464
6	474	423	496	465	517	490	463	458	477	466
7	514	498	444	521	488	543	515	487	482	501
8	486	514	499	445	522	489	544	516	487	482
9	533	524	555	538	480	563	527	587	556	526
10	443	492	484	512	497	443	520	487	542	514
11	328	339	376	370	392	380	339	398	372	414
12	336	295	305	338	333	352	342	305	358	335
K - 12 Total	5,945	5,951	6,004	6,036	6,026	6,033	6,025	6,022	6,047	6,011
Grand Total	6,015	6,021	6,074	6,106	6,096	6,103	6,095	6,092	6,117	6,081

Source: Woolpert

Projected Enrollment - High - District-wide

Grade	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PS	70	70	70	70	70	70	70	70	70	70
K - 6	3,305	3,289	3,341	3,312	3,314	3,263	3,238	3,242	3,250	3,239
7 - 8	1,000	1,012	943	966	1,010	1,032	1,059	1,003	969	983
9 - 12	1,640	1,650	1,720	1,758	1,702	1,738	1,728	1,777	1,828	1,789
K - 12 Total	5,945	5,951	6,004	6,036	6,026	6,033	6,025	6,022	6,047	6,011
Grand Total	6,015	6,021	6,074	6,106	6,096	6,103	6,095	6,092	6,117	6,081

Source: Woolpert



The varying shades of color in the table represent statistically significant cohort sizes. The darker blue represents smaller cohorts, while the darker red represents larger cohorts, comparatively.

CONCLUSION

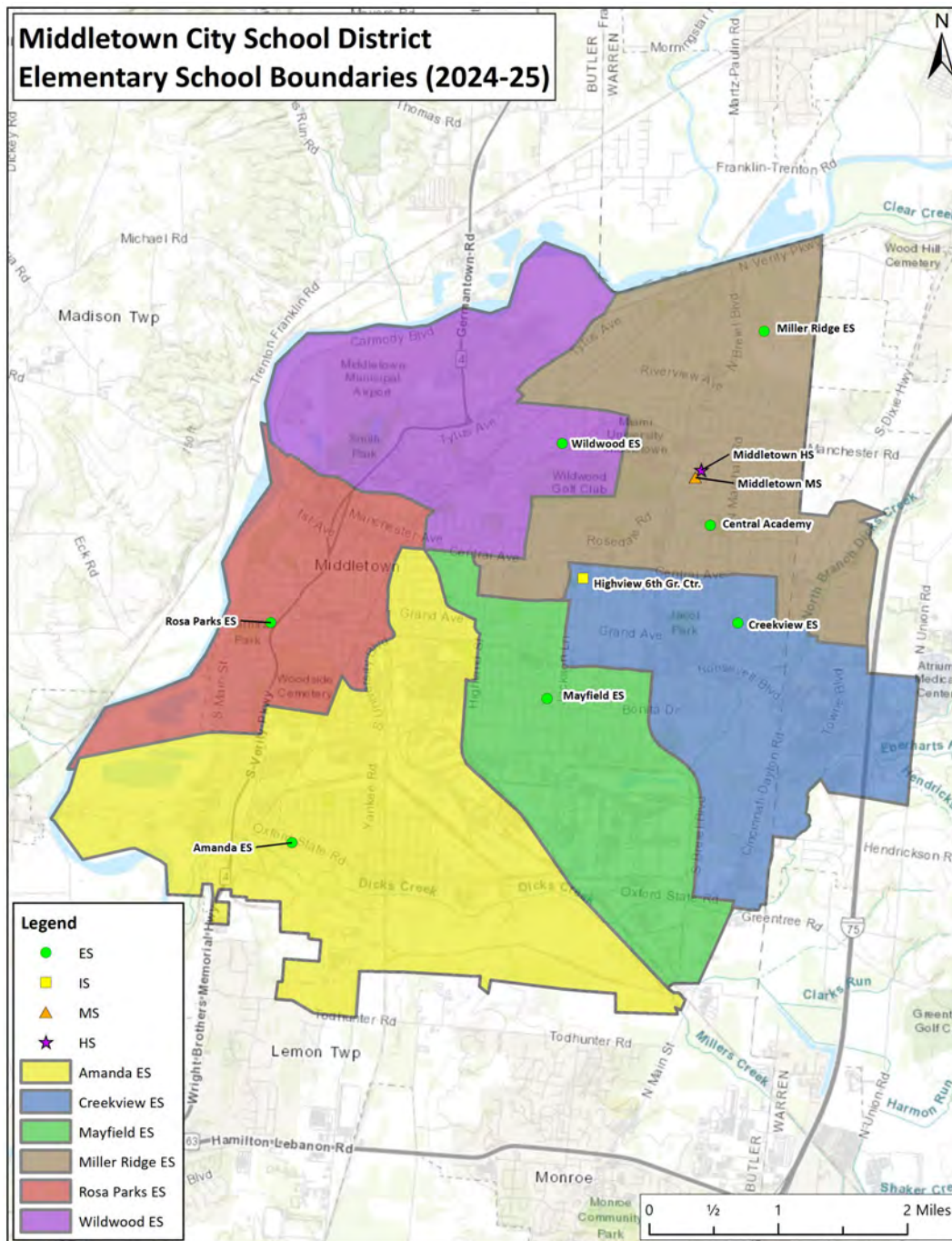
As with any projection, the District should pay close attention to live birth counts, enrollment in elementary schools, open enrollment, non-public enrollment, in / out migration patterns, and any housing growth. It is recommended that this document be reviewed on an annual basis to determine how more recent growth and enrollment trends will impact the enrollment projections.

Woolpert is pleased to have had the opportunity to provide the District with this demographic study. We hope this document will provide the necessary information to make informed decisions about the future of the Middletown City School District.

APPENDIX

SCHOOL BOUNDARY MAP

The map below illustrates the 2024-25 elementary school boundaries in the Middletown City School District.



APPENDIX

LIVE/ATTEND ANALYSIS

The table below illustrates a live/attend analysis for the Middletown City School District. This table cross-references 2024-25 student enrollment and the 2024-25 attendance zone in which students reside. The numbers in bold denote students who live in the boundary of and attend their zoned school. Transfer-in denotes the number of students who transfer into a school from outside of the attendance zone. Transfer-out denotes the number of students that leave their zoned school to attend another school. Out of District indicates students who reside outside of the District.

Middletown City School District 2024-25 Live/Attend Analysis		School of Attendance										Grand Total	Transfer-out	Transfer-out %
		Amanda ES	Creekview ES	Mayfield ES	Miller Ridge ES	Rosa Parks ES	Wildwood ES	Highview 6th Grade Center	Middletown MS	Middletown HS	Central Academy			
Boundary of Residence	Amanda ES Boundary	369	6	3	4	16	2				38	438	69	16%
	Creekview ES Boundary	4	347	4	9	13	19				50	446	99	22%
	Mayfield ES Boundary	2	14	481	10	2	20				53	582	101	17%
	Miller Ridge ES Boundary	1	5	5	337	1	8				39	396	59	15%
	Rosa Parks ES Boundary	5	7	4	6	391	5				58	476	85	18%
	Wildwood ES Boundary	2	8	3	12	6	380				49	460	80	17%
	Highview 6th Grade Center Boundary							425			56	481	56	12%
	Middletown MS Boundary								964			964	0	0%
	Middletown HS Boundary									1,577		1,577	0	0%
	Out of District	5	4	3	6	3	8	6	15	30	12	92	-	-
	Grand Total	388	391	503	384	432	442	431	979	1,607	355	Total Students: 5,912		
	Live & Attend	369	347	481	337	391	380	425	964	1,577	-			
	Transfer-in	19	44	22	47	41	62	6	15	30	-			
	Transfer-in %	5%	11%	4%	12%	9%	14%	1%	2%	2%	-			

Source: Middletown City School District Student Data; October 9, 2024 Count

APPENDIX STUDENT DENSITY

The map below shows student density in the Middletown City School District. The darker blue areas indicate lower student density while the darker red areas indicate higher student density.

