



December 4, 2020

Dr. Terri Holden, Superintendent
Yellow Springs Exempted Village School District – Greene County
420 East Enon Road
Yellow Springs, OH 45387

Dear Superintendent Holden:

Enclosed are the revised draft enrollment projections recently developed by **FutureThink** for the Yellow Springs Exempted Village School District through the Ohio Facilities Construction Commission.

Unfortunately, there was an error in the 11th and 12th grade historical enrollment, which has been corrected in the revised draft report. Fortunately, the impact on the enrollment projections was minimal. The difference between the previous and the revised projections is 9 students.

We have projected enrollment to decrease by 42 students in grades K through 12, not including full-time JVS students. Enrollment for the 2030-31 school year is projected to be 628. The master plan year is the 2025-26 school year with an enrollment of 671 students.

**Yellow Springs Exempted Village School District
Master Planning Year Projected Enrollment**

Grade	2025-26
K - 12 Total	607
Career Tech Comprehensive - Low Bay	64
Total	671

Source: FutureThink

We need your acceptance of these projections, in writing, in order to expedite your future OFCC projects. Please review and contact us if you have any questions or concerns. We would be happy to discuss this report with you. If you have additional data you would like us to consider, please provide in writing.

We appreciate the opportunity to serve Yellow Springs Exempted Village Schools and apologize for the inconvenience.

Sincerely,

Tracy V. Healy
President

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Dublin, OH 43016

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FutureThink
PLAN TO EMPOWER

REVISED DRAFT REPORT



Yellow Springs Exempted Village School District
Greene County
Enrollment Projections
December 4, 2020

Yellow Springs Exempted Village School District

INTRODUCTION

Based on a request from the Ohio Facilities Construction Commission, **FutureThink** was contracted to develop enrollment projections for the Yellow Springs Exempted Village School District.

This report contains ten-year enrollment projections, which were developed for the Yellow Springs Exempted Village School District by analyzing the following data:

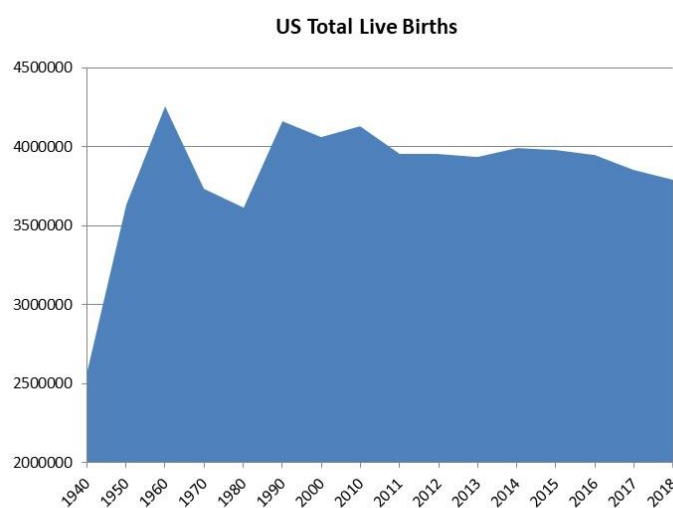
- ▶ Live birth data
- ▶ Historical enrollment
- ▶ Community school enrollment
- ▶ Open enrollment
- ▶ Community demographics
- ▶ Housing information

The projections presented in this report are meant to serve as a planning tool for the future and represent the most likely direction of the District.

Yellow Springs Exempted Village School District

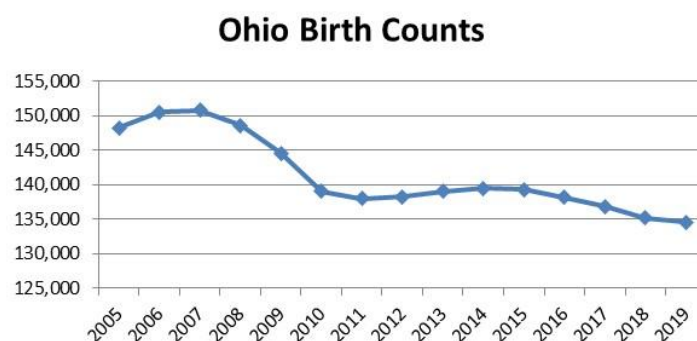
NATIONAL & OHIO TRENDS IN ENROLLMENT

Tracing the landscape of the country's public school enrollment back over the past 70+ years reveals demographic, economic, and social changes. The United States as a whole continues to undergo major shifts in public student enrollment. The baby boom of the late 1940s and 50s was followed by the baby bust of the 1960s and 70s. An "echo" baby boom occurred in the 1980s, which then was followed by the echo baby bust from 1990 to 2000. There was a slight uptick from 2000 to 2010. Since 2011, the total number of births has been relatively flat with declines in 2017 and 2018.



Source: CDC, NVSS, National Vital Statistics Reports, Volume 68, Number 13, November 29, 2019

Ohio has experienced a similar trend in live births as seen around the country. Births increased slightly in 2006 and 2007 but then declined to an all-time low of 138,024 in 2011. In 2012, 2013, and 2014, there were slight increases, but counts have declined each year since then.

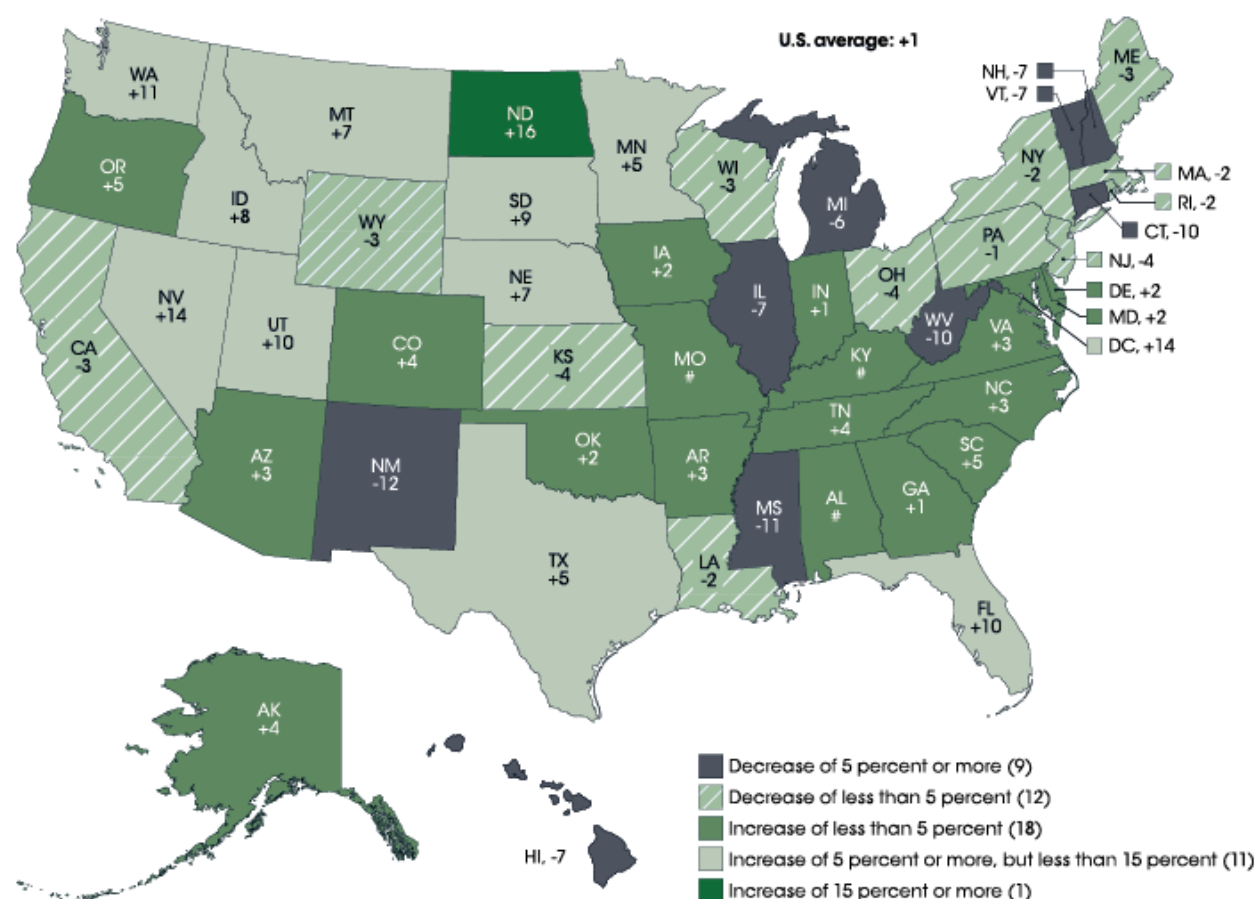


Yellow Springs Exempted Village School District

In addition, to births dropping in Ohio, the state is also aging. The median age in 2019 was 40.9 years of age while the national median age was 38.4 years. In 2010, the median age in Ohio was 38.3 years.

In 2017-18, approximately 50.7 million students were enrolled in grades Pre-K-12 in the United States. Overall, enrollment is projected to increase by approximately 1% by the 2028-29 school year.

The figure below illustrates the projected change in Pre-K-12 public school enrollment from the 2016-17 to the 2029-30 school year. Growth is expected to continue primarily in the southeast and west. Ohio is projected to experience a decrease of 4 percent.



SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "State Nonfiscal Survey of Public Elementary/Secondary Education," 2017–18; and State Public Elementary and Secondary Enrollment Projection Model, 1980 through 2029. See *Digest of Education Statistics 2019*, [table 203.20](#)

Yellow Springs Exempted Village School District

In Ohio, enrollment has declined steadily for both public and non-public school enrollment. From 2010-11 to 2019-20, public school enrollment declined by 98,921 students or approximately 5% statewide.

Ohio Public School Enrollment

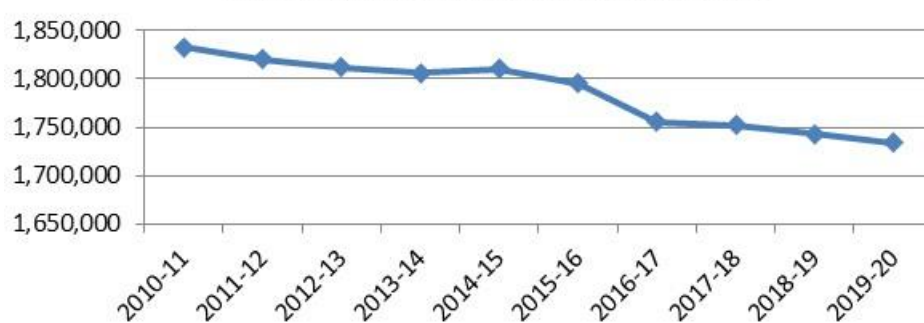
2010-11 - 2019-20

Year	October Headcount*
2010-11	1,832,832
2011-12	1,820,312
2012-13	1,811,532
2013-14	1,806,267
2014-15	1,810,577
2015-16	1,795,339
2016-17	1,755,552
2017-18	1,751,888
2018-19	1,742,715
2019-20	1,733,911

Source: Ohio Department of Education

*includes grades K-12 and ungraded

Ohio Public School Enrollment



Yellow Springs Exempted Village School District

From 2010-11 to 2019-20, non-public school enrollment has declined by 15,909 students or approximately 8 percent.

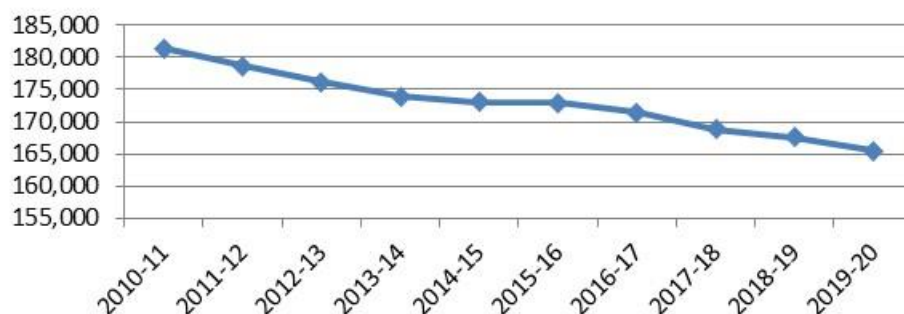
Ohio Chartered Non-Public School Enrollment 2010-11 - 2019-20

Year	October ADM*
2010-11	181,420
2011-12	178,702
2012-13	176,166
2013-14	173,966
2014-15	173,030
2015-16	172,990
2016-17	171,426
2017-18	168,857
2018-19	167,558
2019-20	165,511

Source: Ohio Department of Education

*includes grades K-12

Ohio Non-Public School Enrollment



Yellow Springs Exempted Village School District

Out of 612 school districts, only 88 (or approximately 14%) gained enrollment in grades K - 12 from the 2009-10 to the 2019-20 school year. Of the 524 school districts who lost enrollment, only 75 (or 14%) lost less than 5 percent, and 96 districts (or 18%) lost between 5 and 10 percent. Approximately 43% (or 225 districts) lost between 10 and 20 percent, and approximately 25% (or 128 districts) lost more than 20 percent.

For those districts that gained enrollment, 36 (or 41%) increased by less than 5 percent, and 17 (or 19%) increased between 5 and 10 percent. Twenty-one districts (or 24%) increased between 10 and 20%, and 14 districts increased over 20 percent.

Analyzing enrollment from a county perspective, only 5 of the 88 counties in Ohio gained K – 12 enrollment from the 2009-10 to the 2019-20 school year: Delaware, Franklin, Licking, Warren, and Hamilton.

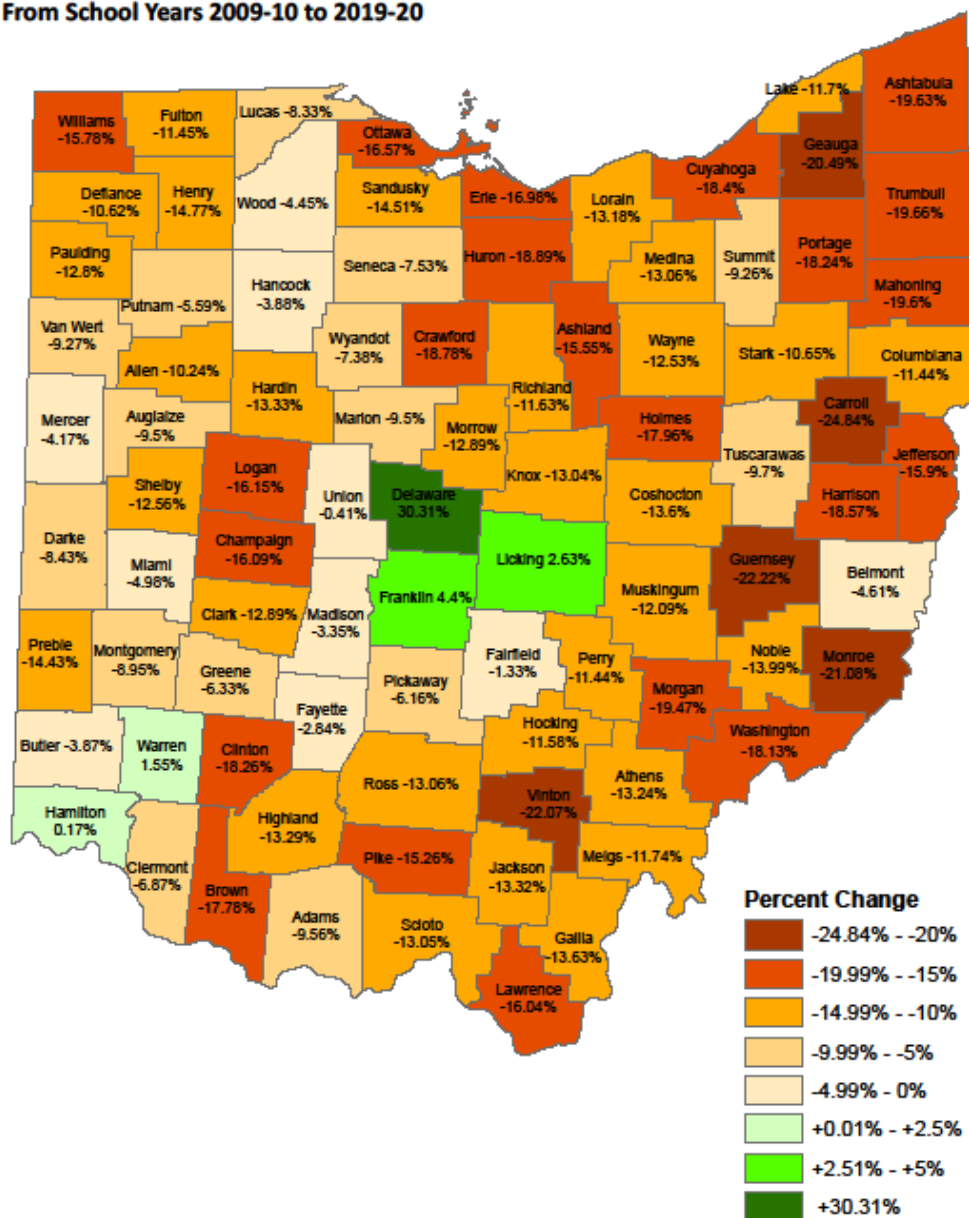
County	2009-10	2019-20	Difference	%
Delaware	25,288	32,954	7,666	30.31%
Franklin	164,905	172,168	7,263	4.40%
Licking	26,614	27,313	699	2.63%
Warren	36,351	36,914	563	1.55%
Hamilton	102,201	102,375	174	0.17%

Carroll County had the highest percentage loss of students at approximately 25 percent. Sixty-six percent of the counties (58 total) experienced a decline of greater than 10 percent. The map on the following page illustrates the gain/loss for each county from the 2009-10 to the 2019-20 school year.



Yellow Springs Exempted Village School District

**Student Enrollment Growth/Loss
From School Years 2009-10 to 2019-20**



Yellow Springs Exempted Village School District

ENROLLMENT PROJECTION METHODOLOGIES

When projecting future enrollments, it is vital to track the number of births, the patterns of enrollment, the amount of new housing activity, and the change in household composition.

In addition, any of the following factors could cause a significant change in projected student enrollments:

- ▶ Boundary adjustments
- ▶ New school openings
- ▶ Changes/additions in program offerings
- ▶ Preschool programs
- ▶ Change in grade configuration
- ▶ Interest rates/unemployment shifts
- ▶ Magnet/charter/private school opening or closure
- ▶ Zoning changes
- ▶ Unplanned new housing activity
- ▶ Planned, but not built, housing

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 more difficult. In any case, it is essential to gather a wide variety of information in preparation for producing enrollment projections.

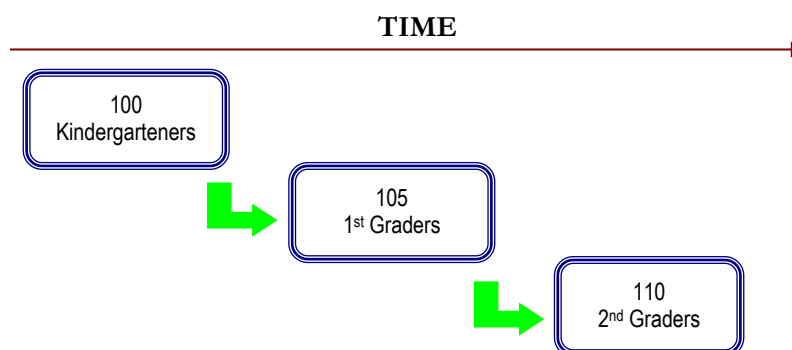
When looking ahead at a school district's enrollment over the next two, five, or ten years, it is helpful to approach the process from a global perspective. For example: How many new homes have been constructed each year? How many births have occurred each year in relation to the resident population? 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 new educational policies are in place now that could affect student enrollment figures?

The data sets generated from questions such as these have led to the development of general methodologies to project future student enrollments. They are as follows:

Yellow Springs Exempted Village School District

Cohort Survival Method

A cohort is a group of persons [in this case, students]. The cohort survival projection methodology uses previous live birth data and historical student enrollments 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 grew or shrunk in number as they moved through the grade levels. By determining survival ratios for each grade transition [i.e., 1st to 2nd grade] over a ten-year period of time, patterns emerge and projection ratios can be developed to be used as a multiplier.

For example, if student enrollment has consistently increased from the 8th to the 9th grade over the past ten years, the survival ratios for each year would be greater than 100 percent. Through analysis of the survival ratios, the projection ratio is determined and is multiplied by the current 8th grade to develop a projection for next year’s 9th grade.

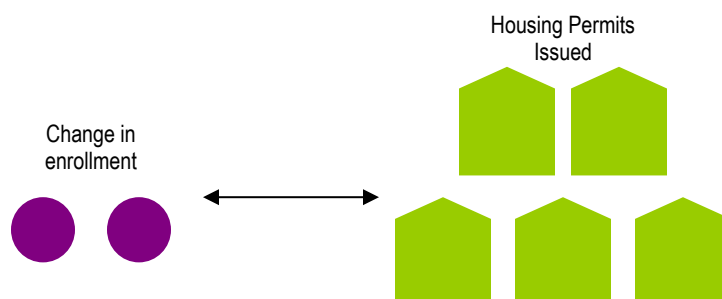
This methodology can be carried through to develop ten years of projection figures. Because there is not a grade cohort to follow for students coming into kindergarten, live birth counts are used to develop a survival ratio. Babies born five years previous to the kindergarten class are compared in number, 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.

Yellow Springs Exempted Village School District

Housing

Enrollment projections can also be determined by analyzing the housing data for the areas that make up a school district. Yield factors can be established by comparing the historic change in enrollment from year to year divided by the total number of building or occupancy permits issued. For example, if student enrollment has increased by approximately 100 students each year and approximately 200 building permits have been issued each year for the past ten years, then the yield factor would be approximately .5 students per building permit.



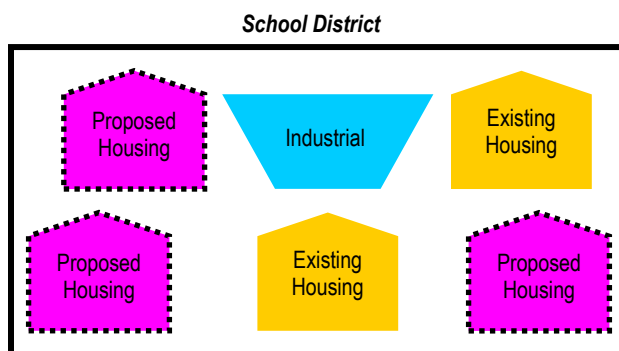
Once yield factors are established, the number of new students per year can be estimated by multiplying the yield factor by the number of projected new housing units. This method is effective when the rate of kindergarten enrollment far exceeds the live birth counts.

If housing demolitions are occurring in a district, these must also be taken into account. For instance, if housing demolitions/withdrawals have increased rapidly over recent years while new housing starts have remained relatively constant over many years, the conclusion may be that some of the new housing starts will simply be replacements for the families displaced by the demolitions. Of course, housing value and household composition would need to be further analyzed to confirm that this is indeed the case. It is possible that enrollment may remain flat or decline even though there is new housing occurring in the area.

Yellow Springs Exempted Village School District

Land-Saturation Analysis

Housing data also drives the land-saturation analysis enrollment methodology. In areas where there is a high rate of development and the future development patterns in the area are clear, a “build-out” scenario can be developed. The scenario takes into consideration the remaining acreage to be developed, planned rate of completion, zoning policies, density per acre, type of housing, and ratios of school-age children per household type. This method is particularly useful in areas experiencing rapid growth.



Geographic Information Systems

While not a methodology, the need for better tools and easier manipulation of data has led to a new industry standard in planning – GIS [Geographic Information Systems]. GIS technology allows school districts to quickly analyze countless data sets including birth data, housing information, and enrollment statistics.

When paired with enrollment projections, GIS becomes an invaluable information-management and decision-making tool. Often, county or city offices are already implementing GIS technology and data can be shared and expanded among these organizations in the district. GIS tables and maps are included within this report illustrating population, age, and income estimates and projections.

The cohort survival was the primary method used in the development of the enrollment projections for the Yellow Springs Exempted Village School District.

Yellow Springs Exempted Village School District

HISTORICAL ENROLLMENT

Over the past ten years, student enrollment in the Yellow Springs Exempted Village School District has decreased by 23 students in grades K – 12, including ungraded, career technical, and full-time JVS students. Total enrollment for the 2020-21 school year is 681 students.

The approximate percentages of mainstreamed special education students [K – 12] for the current school year are as follows:

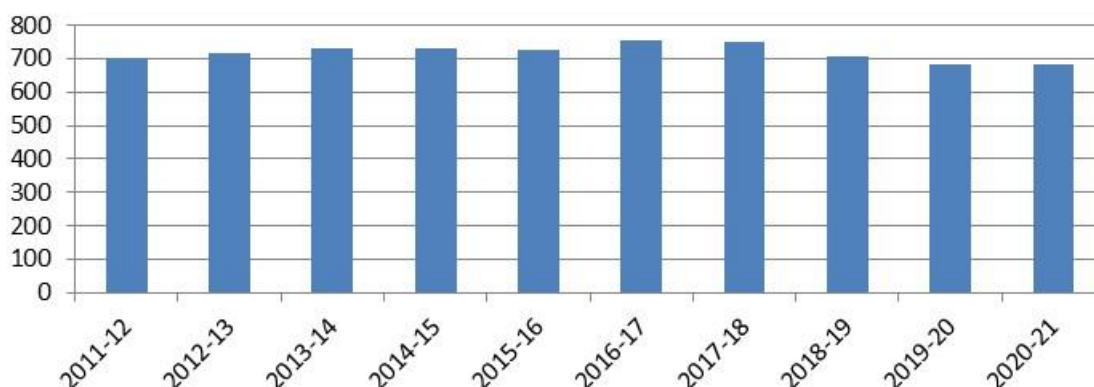
- K-6 – 7%
- 7-12 – 15%

The approximate percentages of self-contained special education students [K – 12] for the current school year are as follows:

- K-6 – 0%
- 7-12 – 0%

The following graph illustrates the District's K – 12 enrollment history from 2011-12 through 2020-21.

**Yellow Springs E.V. School District
Historical Enrollment**



Yellow Springs Exempted Village School District

The following tables illustrate the District's enrollment history from 2011-12 through 2020-21.

Yellow Springs Exempted Village School District

Historical Enrollment

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
K	35	57	58	41	44	37	57	41	36	43
1	46	40	58	55	40	53	38	59	44	37
2	61	47	40	62	55	43	57	40	57	38
3	45	65	48	44	63	60	42	51	41	53
4	61	46	68	60	44	69	57	41	51	41
5	62	60	43	68	58	47	69	62	40	50
6	68	61	61	48	59	59	48	68	55	46
7	58	74	60	53	51	68	57	49	66	63
8	50	58	67	72	50	56	66	59	50	68
9	63	47	63	72	70	55	61	64	66	54
10	49	56	48	56	75	69	59	58	64	66
11	44	43	51	37	58	72	51	52	24	41
12	47	45	46	49	46	61	73	52	24	27
K - 12 Total	689	699	711	717	713	749	735	696	618	627
Ungraded	0	0	1	0	0	0	0	0	0	0
Career Tech Comprehensive - Low Bay	0	0	0	0	0	0	0	0	55	43
JVS Full-Time	15	16	18	15	15	8	17	12	11	11
Grand Total	704	715	730	732	728	757	752	708	684	681

Source: Ohio Department of Education, EMIS; Yellow Springs Exempted Village School District

Yellow Springs Exempted Village School District

Historical Enrollment by Grade Group

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
K - 6	378	376	376	378	363	368	368	362	324	308
7 - 12	311	323	335	339	350	381	367	334	294	319
K - 12 Total	689	699	711	717	713	749	735	696	618	627
Ungraded	0	0	1	0	0	0	0	0	0	0
Career Tech Comprehensive - Low Bay	0	0	0	0	0	0	0	0	55	43
Grand Total	689	699	712	717	713	749	735	696	673	670

Source: Ohio Department of Education, EMIS; Yellow Springs Exempted Village School District

*full-time JVS enrollment is not included in grade group table above or in the projected enrollment figures

Yellow Springs Exempted Village School District

COMMUNITY SCHOOL ENROLLMENT

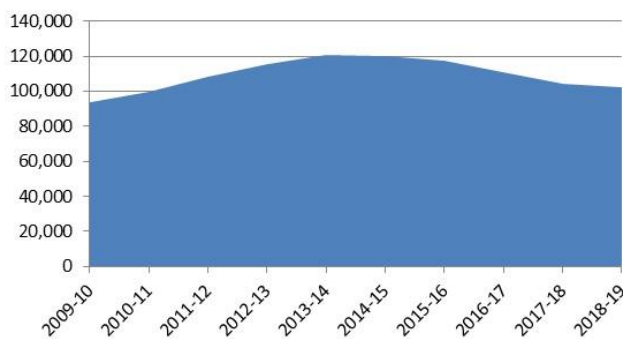
In Ohio, community school enrollment has increased dramatically over the last decade. From 2009-10 to 2018-19, enrollment has increased by approximately 10% from 93,623 students in 323 community schools to 102,563 students in 320 community schools. However, there has been a decrease in both enrollment and number of schools since the 2013-14 school year.

State of Ohio
Community School Enrollment (Pre-K - 12)

Grade	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Grand Total	93,623	99,658	108,124	115,225	120,893	120,200	117,282	110,961	104,380	102,563

Source: Ohio Department of Education, Ohio Community Schools Annual Report 2018-19
FTE students

Ohio Community School Enrollment

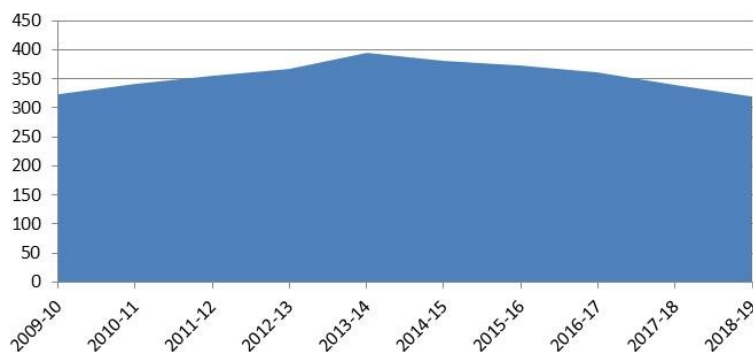


State of Ohio
Number of Community Schools

Grade	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Grand Total	323	341	355	367	395	381	373	362	340	320

Source: Ohio Department of Education, Ohio Community Schools Annual Report 2018-19

Number of Community Schools in Ohio



Yellow Springs Exempted Village School District

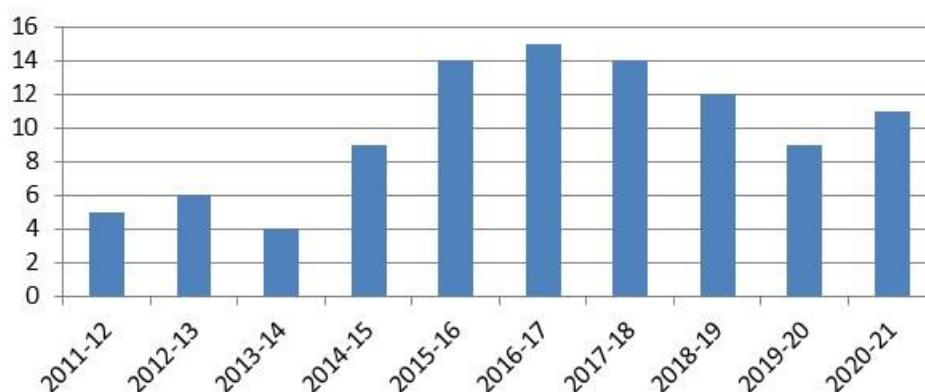
Since 2011-12, the number of Yellow Springs Exempted Village School District students attending community schools has increased from 5 to 11 students with some fluctuation. Enrollment of Yellow Springs Exempted Village School District students attending community schools should be closely monitored as it may have a significant impact on District enrollment in the future.

**Yellow Springs Exempted Village School District
Community School Enrollment**

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Pre-K	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	1	0	0	0
1	0	0	0	1	0	0	0	1	0	0
2	1	0	0	1	1	0	0	0	1	1
3	0	0	0	1	0	1	0	0	0	1
4	1	0	0	0	1	0	1	0	0	0
5	0	0	0	0	2	0	0	1	0	0
6	0	0	0	0	2	1	0	0	1	0
7	1	1	0	0	0	2	1	1	0	1
8	0	2	0	1	0	1	2	1	2	2
9	1	1	3	3	1	3	2	3	2	1
10	0	1	0	1	2	4	2	2	2	2
11	1	1	0	1	4	0	3	2	0	2
12	0	0	1	0	1	3	2	1	1	1
Ungraded	0	0	0	0	0	0	0	0	0	0
Grand Total	5	6	4	9	14	15	14	12	9	11

Source: Ohio Department of Education, EMIS; Yellow Springs Exempted Village School District

**Yellow Springs E.V. School District
Students Attending Community Schools**



Yellow Springs Exempted Village School District

OPEN ENROLLMENT

Since 2011-12, the number of Yellow Springs Exempted Village School District students “open enrolling” into the District has increased from 126 to 190 students with some fluctuation. The number of students “open enrolling” out of the District has decreased from 21 to 11 students with some fluctuation. Significant changes in the number of students “open enrolling” into or out of the District from year to year can impact enrollment projections and should be monitored.

Yellow Springs Exempted Village School District
Open Enrollment - IN

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Pre-K	0	0	0	0	0	0	0	0	0	0
K	4	10	17	3	4	11	15	6	16	15
1	7	5	13	21	3	8	12	15	7	16
2	10	7	4	16	21	4	9	11	16	7
3	7	13	6	6	14	26	4	9	13	18
4	14	9	13	14	6	16	22	6	10	15
5	7	15	11	14	16	8	16	25	6	9
6	21	9	17	13	13	16	7	18	20	9
7	12	20	10	16	17	16	11	12	16	23
8	9	14	18	18	16	17	14	12	10	16
9	6	7	17	21	20	19	20	17	17	10
10	7	7	10	19	19	21	19	19	15	18
11	10	8	7	9	20	20	21	18	18	18
12	12	11	8	8	9	25	20	17	19	16
Ungraded	0	0	0	0	0	0	0	1	1	0
Grand Total	126	135	151	178	178	207	190	186	184	190

Source: Ohio Department of Education, EMIS; Yellow Springs Exempted Village School District



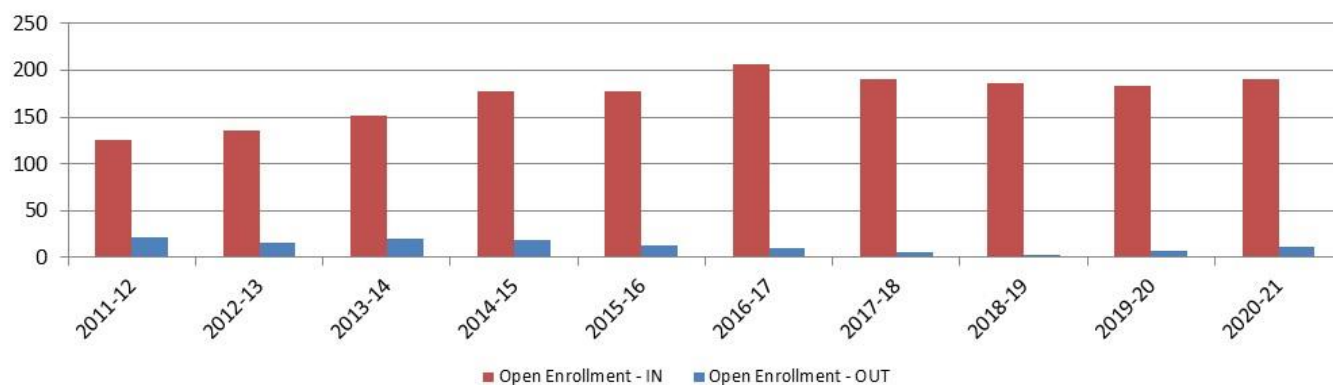
Yellow Springs Exempted Village School District

Yellow Springs Exempted Village School District
Open Enrollment - OUT

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Pre-K	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	1	0
3	2	0	2	0	0	0	0	0	0	1
4	2	2	0	2	1	0	0	0	0	0
5	0	0	2	0	1	2	0	0	0	0
6	2	0	0	2	0	1	2	0	0	0
7	3	1	0	0	3	0	1	0	1	0
8	0	3	1	0	0	2	0	1	1	2
9	2	0	6	2	1	0	2	1	1	3
10	4	2	0	8	2	0	0	1	0	2
11	2	5	3	1	5	1	0	0	3	0
12	3	2	6	3	0	4	1	0	0	3
Ungraded	0	0	0	0	0	0	0	0	0	0
Grand Total	21	16	20	18	13	10	6	3	7	11

Source: Ohio Department of Education, EMIS; Yellow Springs Exempted Village School District

Yellow Springs E.V. School District
Open Enrollment



Yellow Springs Exempted Village School District

LIVE BIRTH DATA

Utilization of live birth data is recommended when projecting future kindergarten enrollments as it provides a helpful overall trend. The live birth counts are used in determining a birth-to-kindergarten survival ratio. This ratio identifies the percentage of children born in a representative area who attend kindergarten in the District five years later. The survival ratios for birth-to-kindergarten as well as grades 1-12 can be found later in this report.

The Ohio Department of Health [ODH] information warehouse provides information about live birth events for Ohio residents. Information about events occurring outside of Ohio to Ohio residents is included. Information about events occurring inside Ohio to non-Ohio residents is not included.

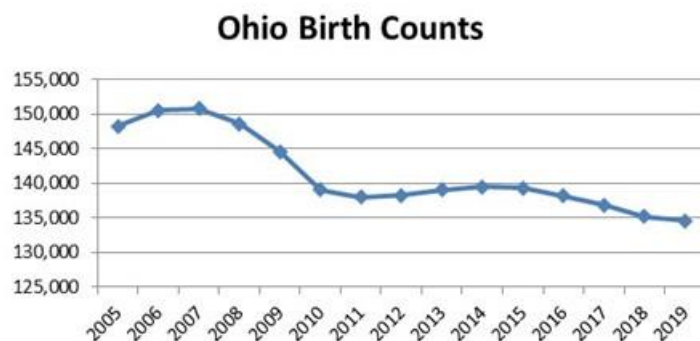
Data is arranged by the residence of the mother. For example, if a mother lives in Powell, Delaware County but delivers her baby in Columbus, Franklin County, the birth is counted in Powell, Delaware County.

The number of live births is recorded by:

- ▶ State
- ▶ County
- ▶ City/Town
- ▶ Census Tract
- ▶ Zip Code
- ▶ Address [not available to the public]

Live birth counts are different from live birth rates. The live birth count is the actual number of live births. A birth rate is the number of births per 1,000 women in a specified population group. Birth rates are provided for counties only and for 9 age groups from 10-14 years to 45+ years.

Ohio has experienced a similar trend in live births as seen around the country. Births increased slightly in 2006 and 2007 but then declined to an all-time low of 138,024 in 2011. In 2012, 2013, and 2014, there were slight increases, but counts have declined each year since then.



Yellow Springs Exempted Village School District

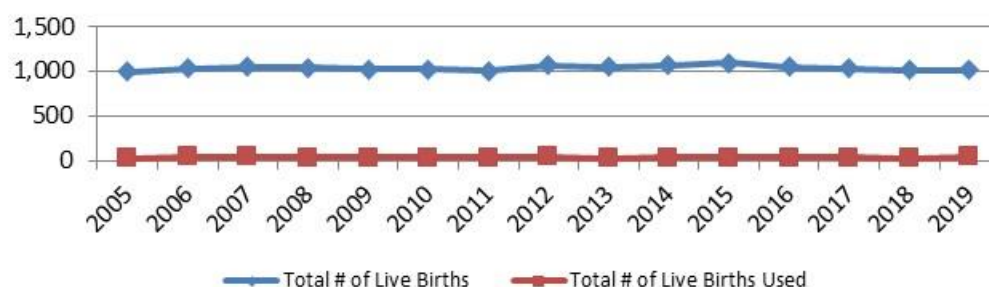
The following table and graph include the live birth counts for zip codes 45323, 45324, 45385, and 45387. However, upon analysis of the map on page 20, only zip code 45387 was used for projection purposes.

**Yellow Springs Exempted Village School District
Live Birth Count by Zip Code
2005-2019**

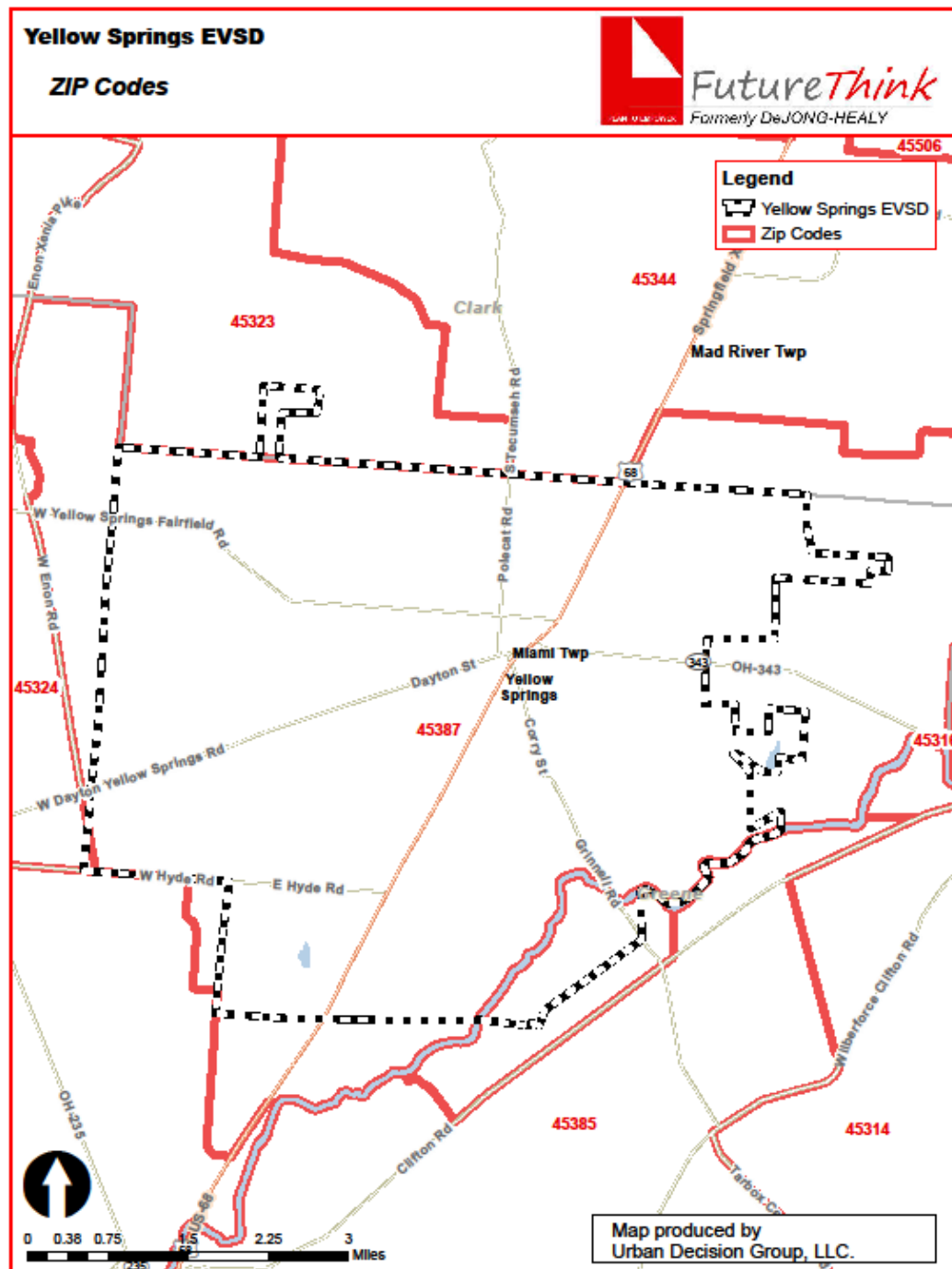
Year	45323	45324	45385	45387	Total # of Live Births	Total # of Live Births Used
2005	39	495	434	27	995	27
2006	35	505	452	38	1,030	38
2007	58	497	462	37	1,054	37
2008	46	479	480	33	1,038	33
2009	29	499	459	35	1,022	35
2010	49	508	438	31	1,026	31
2011	47	470	457	34	1,008	34
2012	38	521	466	44	1,069	44
2013	50	534	439	27	1,050	27
2014	43	535	458	33	1,069	33
2015	43	552	467	35	1,097	35
2016	45	507	461	33	1,046	33
2017	44	493	465	34	1,036	34
2018	47	507	435	21	1,010	21
2019	50	474	449	40	1,013	40

Source: Ohio Department of Health, Public Health Data Warehouse

**Yellow Springs E.V. School District
Live Birth Count by Zip Code**



Yellow Springs Exempted Village School District



Yellow Springs Exempted Village School District

DEMOGRAPHICS

The Yellow Springs Exempted Village School District is comprised of Yellow Springs and Miami Township in Greene County. General demographic data is included in the following tables for the areas located completely or partially in the District.

General Demographic Information

	Greene County	State of Ohio
Per Capita Income	\$34,682	\$30,304
Median Household Income	\$67,109	\$54,533
Persons Below Poverty	12.2%	13.1%

Source: US Census, American Community Survey, 2018 5-Year Estimates

Total Population

	2000 Census	2010 Census
Greene County	147,886	161,573
Yellow Springs Village	3,761	3,487
Miami Township	5,106	4,790

Source: ODOD Policy Research & Strategic Planning Office, August 2011

Also included are block group estimates and projections provided by ESRI. ESRI uses a time series of estimates from the U.S. Census Bureau that includes the latest estimates and inter-censal estimates adjusted for error of closure. The Census Bureau's time series is consistent, but testing has revealed improved accuracy by using a variety of sources to track county population trends.

ESRI also employs a time series of building permits and housing starts plus residential deliveries. Data sources are integrated and then analyzed by Census Block Groups.

Sources of data include:

- ▶ Supplementary Surveys of the Census Bureau
- ▶ Bureau of Labor Statistics' (BLS) Local Area Unemployment Statistics
- ▶ BLS Occupational Employment Statistics
- ▶ InfoUSA
- ▶ U.S. Bureau of the Census' Current Population Survey
- ▶ National Planning Association Data Service

Yellow Springs Exempted Village School District

Below is a list of definitions as they appear on the U.S. Census Bureau website, to aid in interpretation of the following tables and maps.

Household:

A household includes all the people who occupy a housing unit as their usual place of residence.

Average family size:

A measure obtained by dividing the number of members of families by the total number of families (or family householders).

Family household (Family):

A family includes a householder and one or more people living in the same household who are related to the householder by birth, marriage, or adoption. All people who are related to the householder are regarded as members of his or her family. A family household may contain people not related to the householder, but those people are not included as part of the householder's family in census tabulations. Thus, the number of family households is equal to the number of families, but family households may include more members than do families. A household can contain only one family for purposes of census tabulations. Not all households contain families since a household may comprise a group of unrelated people or one person living alone.

Householder:

The person, or one of the people, in whose name the home is owned, being bought, or rented. If there is no such person present, any household member 15 years old and over can serve as the householder for the purposes of the census. Two types of householders are distinguished: a family householder and a nonfamily householder. A family householder is a householder living with one or more people related to him or her by birth, marriage, or adoption. The householder and all people in the household related to him are family members. A nonfamily householder is a householder living alone or with nonrelatives only.

Yellow Springs Exempted Village School District

The following tables illustrate the current estimates and 5-year population projections based on block groups that comprise the state and school district, indicating areas of current and projected growth. The tables have been developed to determine selected age group projections and projections for household income, family size, and total households.

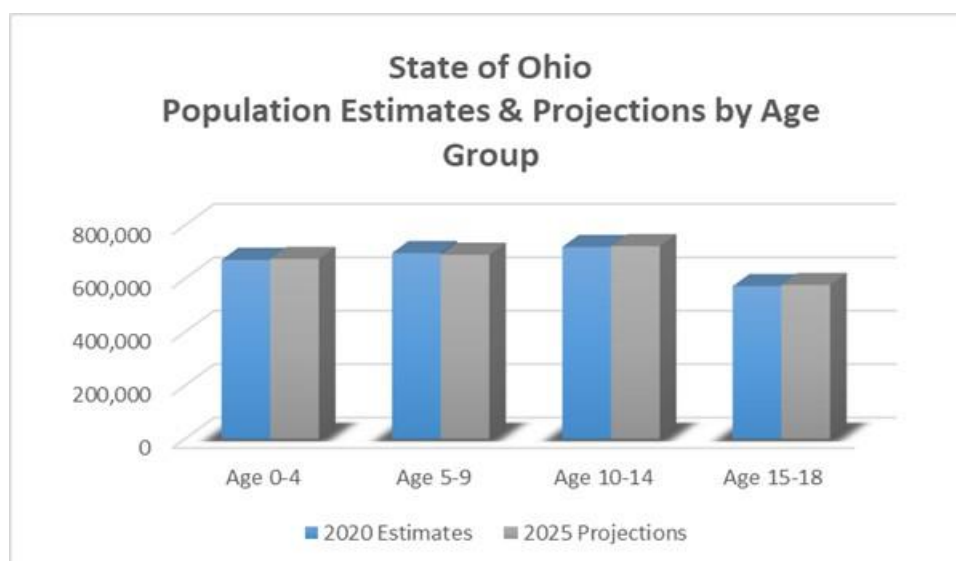
The total population in the State of Ohio is 11,829,645. This population is projected to increase by 138,896 people, or approximately 1% over a 5-year period.

The 0-18-year-old population in the State currently totals 2,656,195. This population is projected to increase by 4,455 children, or less than 1 percent.

The median age is projected to increase by 2% from 40.2 to 41.0 years of age.

State of Ohio	2020 Estimates	2025 Projections	Change 2020-25	Change 2020-25 (%)
Total Population	11,829,645	11,968,541	138,896	1.2%
Age 0-4	670,116	673,465	3,349	0.5%
Age 5-9	695,479	689,387	-6,092	-0.9%
Age 10-14	718,792	721,721	2,929	0.4%
Age 15-18	571,808	576,077	4,269	0.7%
Total Age 0-18	2,656,195	2,660,650	4,455	0.2%
Median Age	40.2	41.0	0.8	2.0%

Source: ESRI

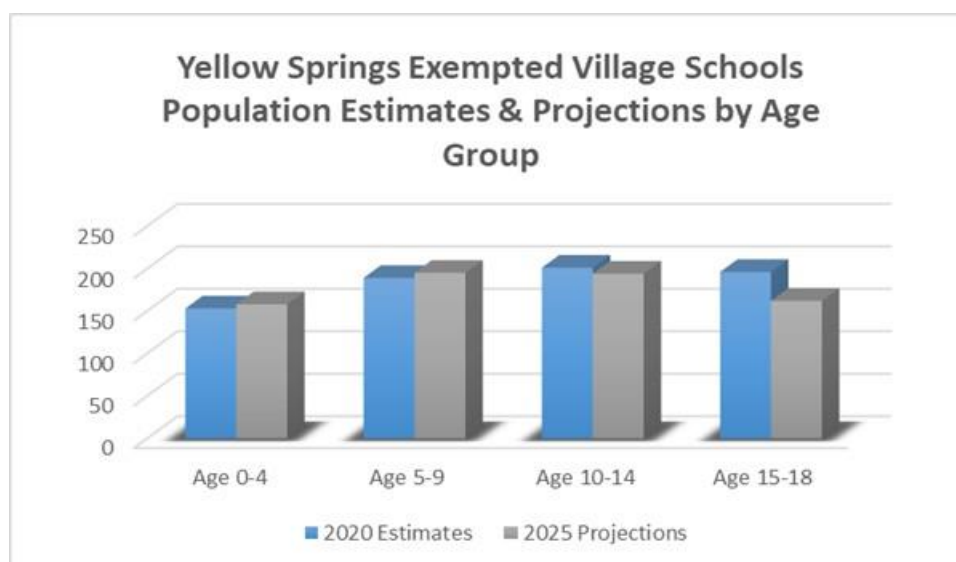


Yellow Springs Exempted Village School District

The total population in the District is 4,349. This population is projected to increase by 116 people, or approximately 3% over a 5-year period. The 0-18-year-old population in the District currently totals 739. This population is projected to decrease by 30 people, or approximately 4 percent. The median age is projected to increase by less than 1%, from 51.2 to 51.4 years of age.

Yellow Springs Exempted Village School District	2020 Estimates	2025 Projections	Change 2020-25	Change 2020-25 (%)
Total Population	4,349	4,465	116	2.7%
Age 0-4	153	158	5	3.3%
Age 5-9	189	195	6	3.2%
Age 10-14	201	194	-7	-3.5%
Age 15-18	196	162	-34	-17.3%
Total Age 0-18	739	709	-30	-4.1%
Median Age	51.2	51.4	0.2	0.4%

Source: ESRI



Yellow Springs Exempted Village School District

Median and average household incomes in the State are projected to increase by approximately 7% and 10%, respectively over a 5-year period. The average family size and total number of family households are both expected to increase by less than 1 percent.

State of Ohio	2020 Estimates	2025 Projections	Change 2020-25	Change 2020-25 (%)
Median Household Income	\$56,352	\$60,126	\$3,774	6.7%
Average Household Income	\$77,918	\$85,580	\$7,662	9.8%
Average Family Size	3.01	3.02	0.01	0.3%
Total Family Households	3,015,569	3,032,300	16,731	0.6%

Source: ESRI

Median and average household incomes in the District are projected to increase by approximately 5% and 7%, respectively over a 5-year period. The average family size is projected to remain the same, and the total number of family households is projected to increase slightly.

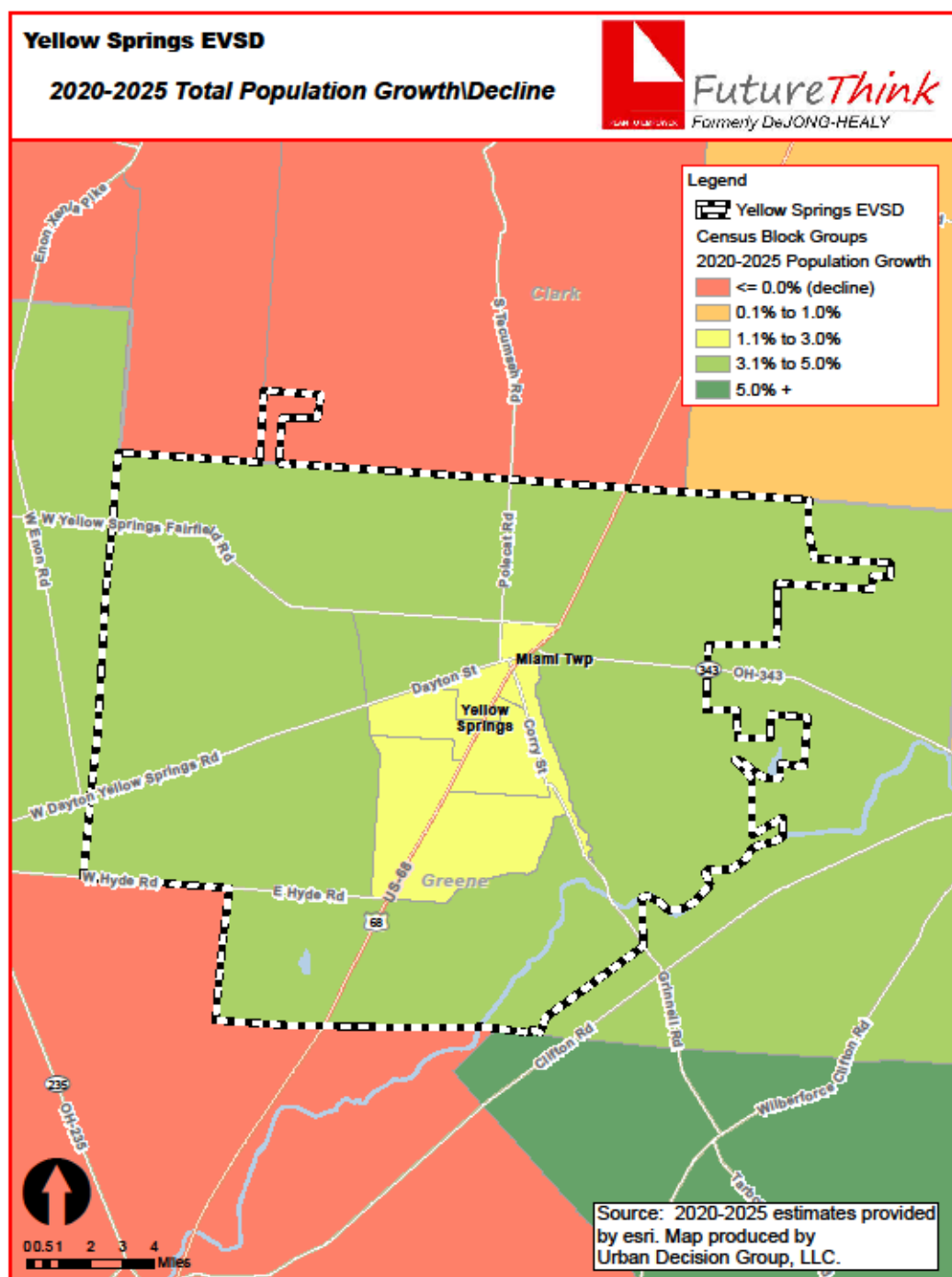
Yellow Springs Exempted Village School District	2020 Estimates	2025 Projections	Change 2020-25	Change 2020-25 (%)
Median Household Income	\$75,723	\$79,713	\$3,990	5.3%
Average Household Income	\$106,598	\$114,428	\$7,830	7.3%
Average Family Size	2.74	2.74	0.00	0.0%
Total Family Households	1,121	1,144	23	2.1%

Source: ESRI

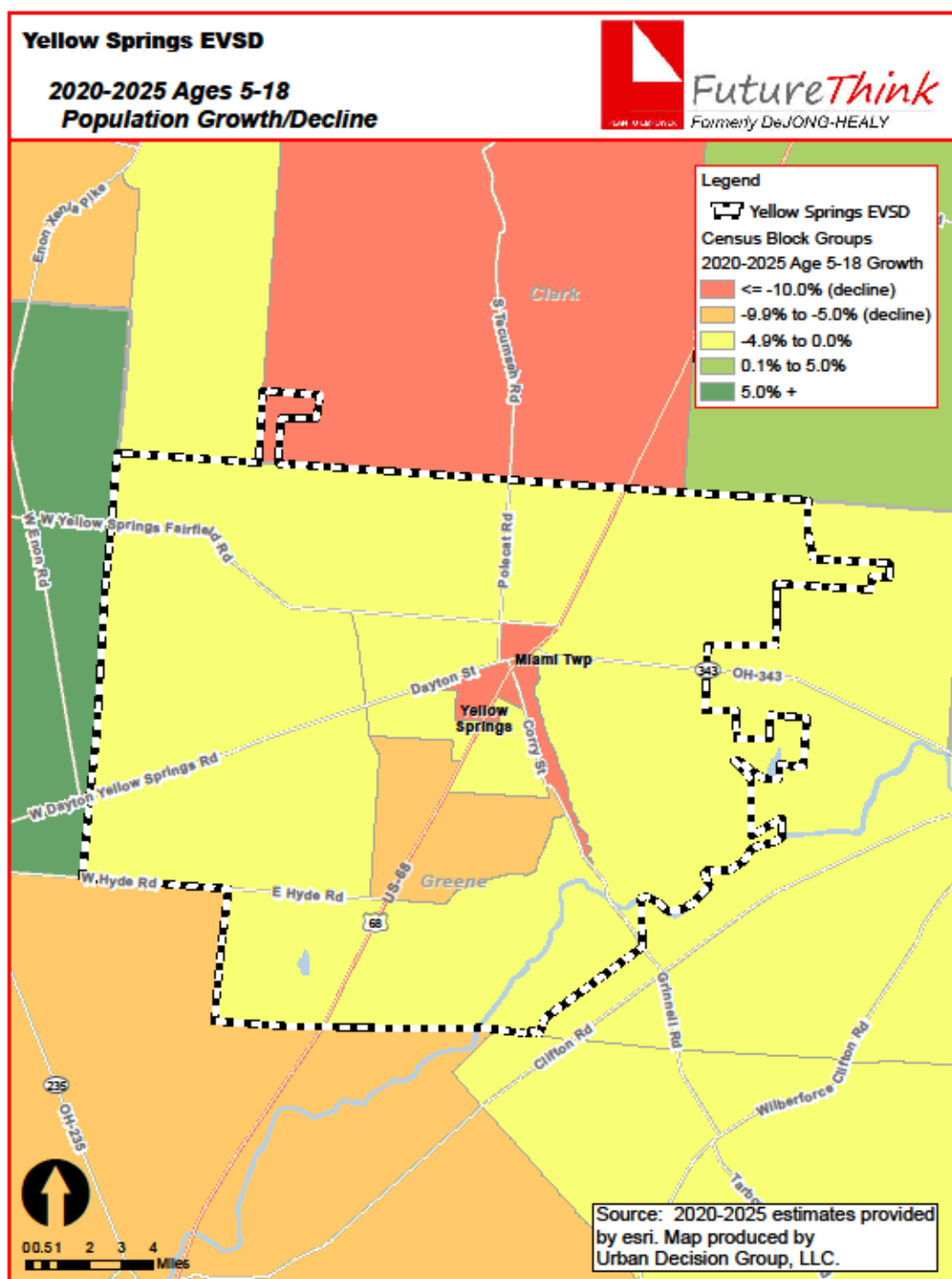
The maps on the following pages illustrate the data identified in the tables. The color coding identifies areas within the District that may be increasing or decreasing at different rates than others.



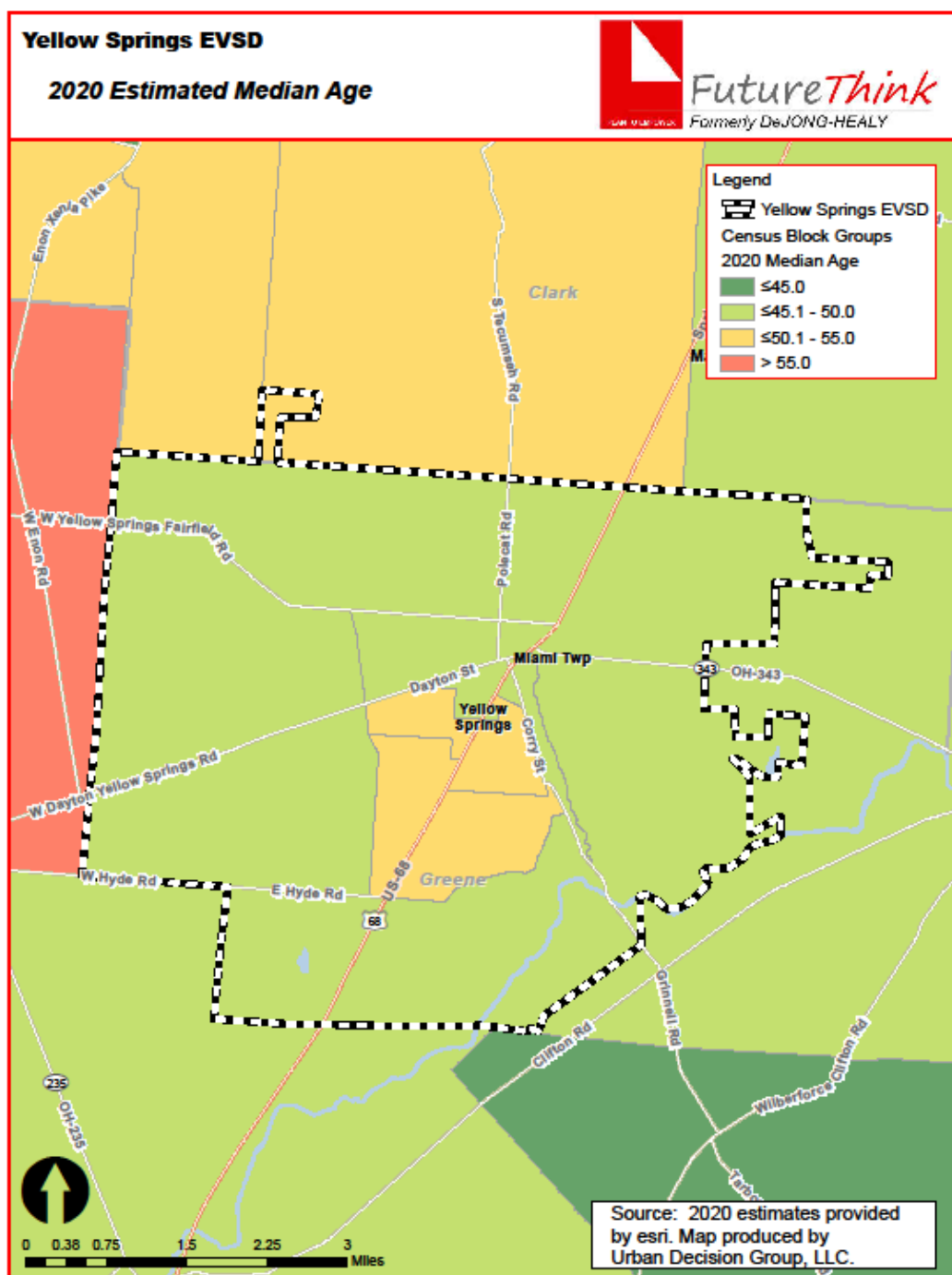
Yellow Springs Exempted Village School District



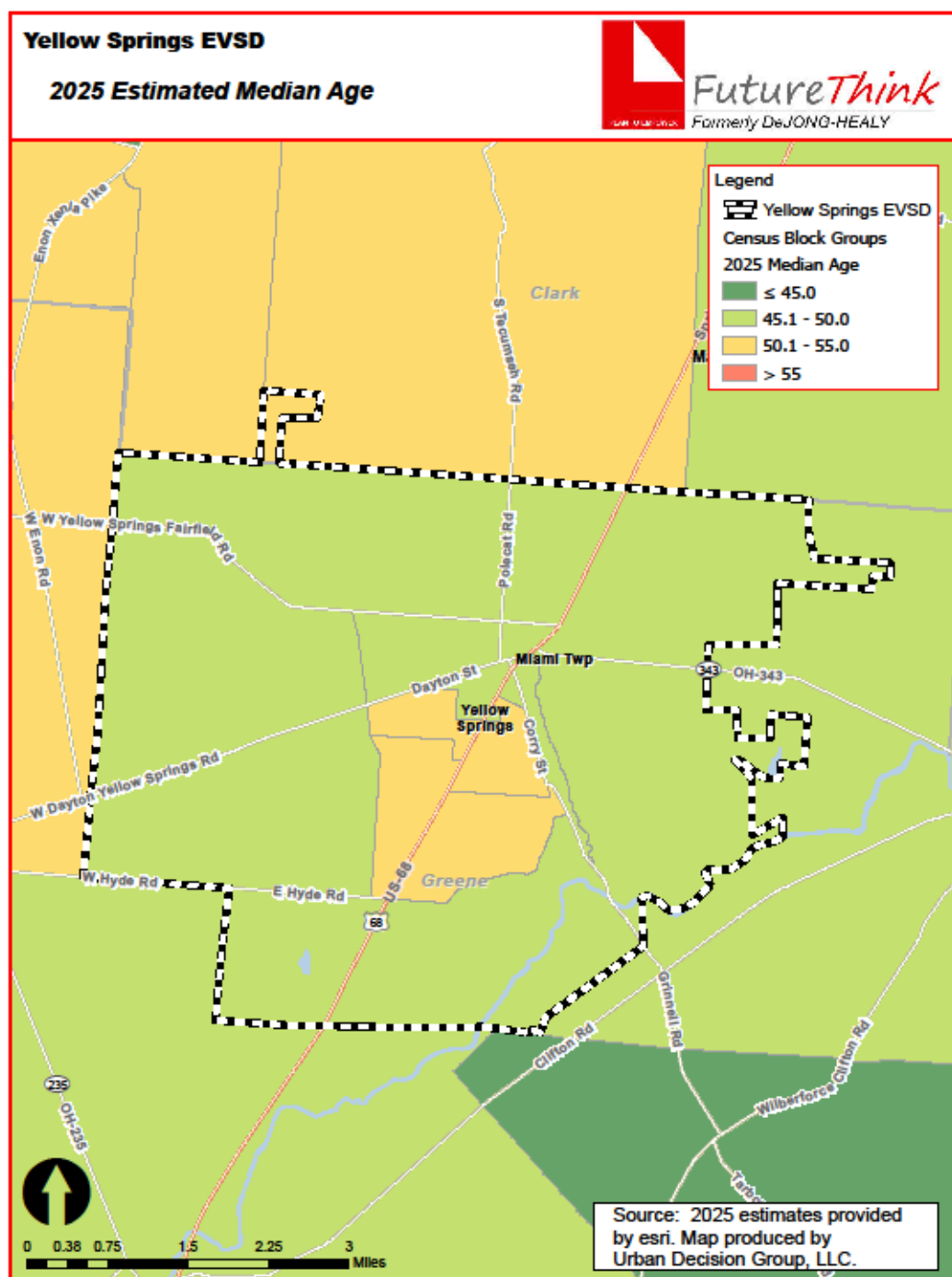
Yellow Springs Exempted Village School District



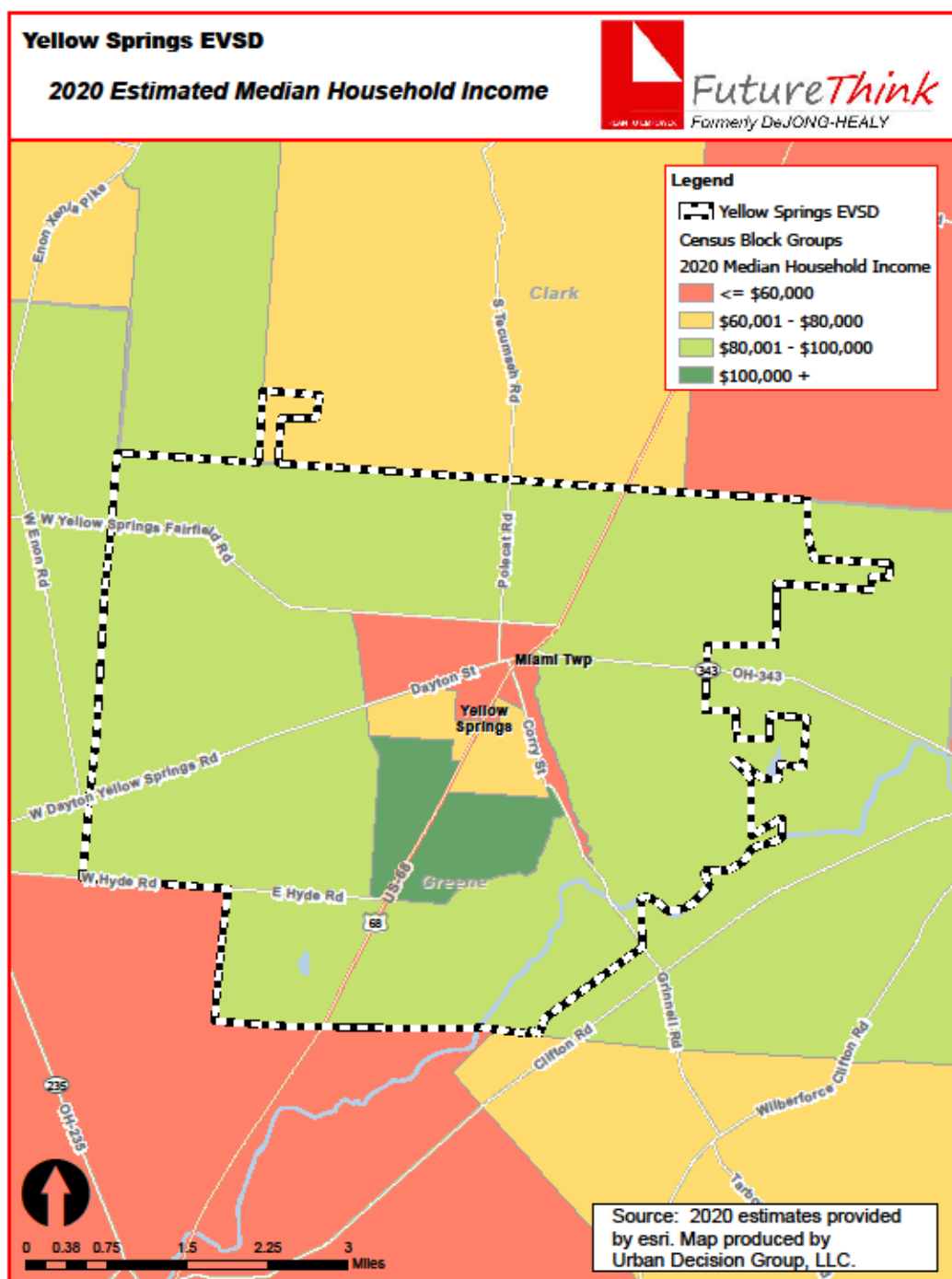
Yellow Springs Exempted Village School District



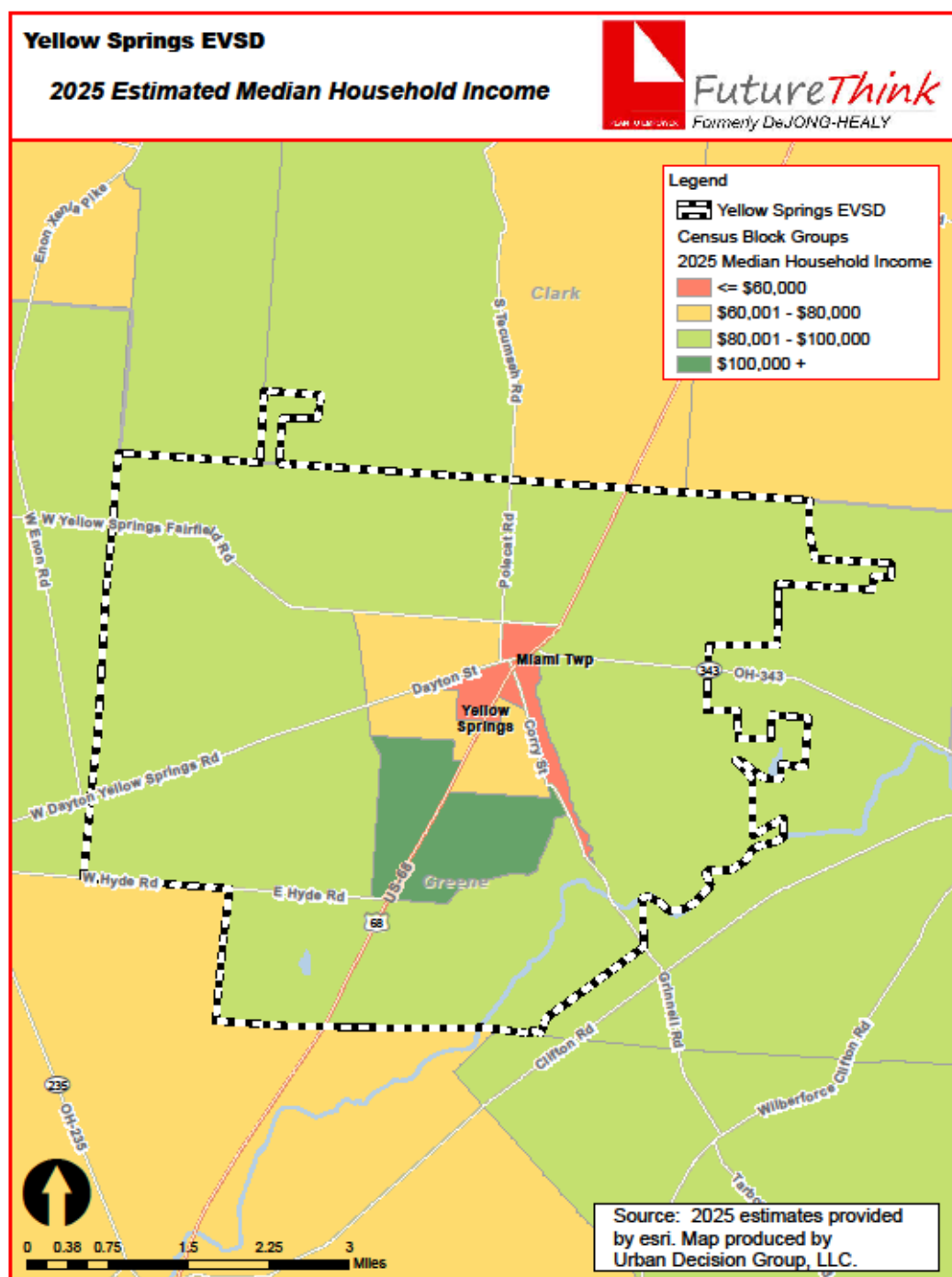
Yellow Springs Exempted Village School District



Yellow Springs Exempted Village School District



Yellow Springs Exempted Village School District



Yellow Springs Exempted Village School District

HOUSING INFORMATION

The chart below illustrates the number of single-family dwelling building permits issued each year in Greene County. There were no single-family dwelling permits issued in Yellow Springs or Miami Township.

of Building Permits Issued for Single Family Dwellings

Year	Yellow Springs	Miami Township	Greene County
2010	0	0	300
2011	0	0	277
2012	0	0	245
2013	0	0	210
2014	0	0	250
2015	0	0	296
2016	0	0	395
2017	0	0	450
2018	0	0	452
2019	0	0	463
2020*	0	0	301

Source: SOCDS Building Permits Database

* through September 2020

A housing development with 130 single family homes is in the planning stages.



Yellow Springs Exempted Village School District

SURVIVAL RATIOS

The chart below demonstrates the changes in enrollment 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 growth and new students entered the system. Percentages less than 100 indicate that there was decline with students leaving the system.

- Birth to Kindergarten: This ratio indicates the number of children born in the area who attend kindergarten in the District 5 years later. Percentages less than 100% result from movement out of the district, attendance at a non-public or charter school, or residence in another district within the same area.

The following table illustrates the survival ratios for the Yellow Springs Exempted Village School District.

from	to	birth -> K	K->1	1->2	2->3	3->4	4->5	5->6	6->7	7->8	8->9	9->10	10->11	11->12
2011	2012	154.1%	114.3%	102.2%	106.6%	102.2%	98.4%	98.4%	108.8%	100.0%	94.0%	88.9%	87.8%	102.3%
2012	2013	175.8%	101.8%	100.0%	102.1%	104.6%	93.5%	101.7%	98.4%	90.5%	108.6%	102.1%	91.1%	107.0%
2013	2014	117.1%	94.8%	106.9%	110.0%	125.0%	100.0%	111.6%	86.9%	120.0%	107.5%	88.9%	77.1%	96.1%
2014	2015	141.9%	97.6%	100.0%	101.6%	100.0%	96.7%	86.8%	106.3%	94.3%	97.2%	104.2%	103.6%	124.3%
2015	2016	108.8%	120.5%	107.5%	109.1%	109.5%	106.8%	101.7%	115.3%	109.8%	110.0%	98.6%	96.0%	105.2%
2016	2017	129.5%	102.7%	107.5%	97.7%	95.0%	100.0%	102.1%	96.6%	97.1%	108.9%	107.3%	73.9%	101.4%
2017	2018	151.9%	103.5%	105.3%	89.5%	97.6%	108.8%	98.6%	102.1%	103.5%	97.0%	95.1%	88.1%	102.0%
2018	2019	109.1%	107.3%	96.6%	102.5%	100.0%	97.6%	88.7%	97.1%	102.0%	111.9%	100.0%	41.4%	46.2%
2019	2020	122.9%	102.8%	86.4%	93.0%	100.0%	98.0%	115.0%	114.5%	103.0%	108.0%	100.0%	64.1%	112.5%
	average	134.56%	105.021%	101.37%	101.3%	103.78%	100.0%	100.5%	102.9%	102.3%	104.785%	98.333%	80.330%	99.648%
	standard deviation	21.621%	7.544%	6.444%	6.570%	8.461%	4.589%	8.664%	8.730%	8.206%	6.336%	5.990%	17.797%	20.407%



Yellow Springs Exempted Village School District

ENROLLMENT PROJECTION

Enrollment projections were developed after analyzing the data collected in this report. The projections indicate a decrease of 42 students in grades K through 12, not including full-time JVS students, from the 2020-21 to the 2030-31 school year. The following tables and graph illustrate projected enrollments by grade and by grade group through the 2030-31 school year.

Preschool:

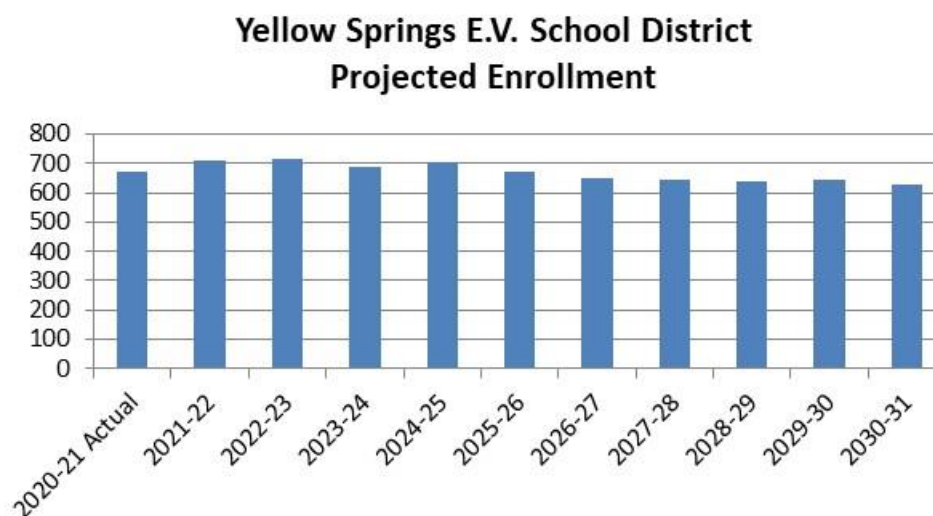
The Ohio School Design Manual [OSDM] provides space for preschool students with disabilities and a maximum of 40 ECE preschool students.

Kindergarten:

The OSDM provides space for all day, every day kindergarten.

Career Technical:

Due to the specialized space requirements, career technical students are pulled out of the 11th and 12th grade enrollments and projected separately.



Yellow Springs Exempted Village School District

Yellow Springs Exempted Village School District
Projected Enrollment

Grade	2020-21 Actual	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
K	43	43	45	28	53	43	43	43	43	43	43
1	37	45	45	47	29	55	44	44	44	44	44
2	38	39	47	47	48	30	56	46	46	46	46
3	53	38	39	47	47	48	30	56	46	46	46
4	41	53	38	39	47	47	48	30	56	46	46
5	50	41	53	38	39	47	47	48	30	56	46
6	46	51	42	54	39	39	47	47	48	30	57
7	63	47	52	42	55	39	39	47	47	49	30
8	68	64	48	52	43	55	40	40	48	48	50
9	54	74	70	52	57	47	60	43	43	52	52
10	66	54	74	70	52	57	47	60	43	43	52
11	41	54	44	60	56	42	46	38	48	35	35
12	27	43	56	46	62	58	43	47	39	50	36
K - 12 Total	627	646	653	622	627	607	590	589	581	588	583
Career Tech Comprehensive - Low Bay	43	62	64	68	75	64	57	54	56	54	45
Grand Total	670	708	717	690	702	671	647	643	637	642	628

Source: FutureThink

Yellow Springs Exempted Village School District
Projected Enrollment by Grade Group

Grade	2020-21 Actual	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
K - 6	308	310	309	300	302	309	315	314	313	311	328
7 - 12	319	336	344	322	325	298	275	275	268	277	255
K - 12 Total	627	646	653	622	627	607	590	589	581	588	583
Career Tech Comprehensive - Low Bay	43	62	64	68	75	64	57	54	56	54	45
Grand Total	670	708	717	690	702	671	647	643	637	642	628

Source: FutureThink

Yellow Springs Exempted Village School District

CONCLUSION

As with any projection, the District should pay close attention to live birth counts, enrollment in elementary schools, community school enrollment, open enrollment, and any housing growth. Each of these factors will have an impact on future student enrollment.

FutureThink is pleased to have had the opportunity to provide the District with enrollment projection services. We hope this document will provide the necessary information to make informed decisions about the future of the Yellow Springs Exempted Village School District.



Yellow Springs Exempted Village School District

APPENDIX

The following document is included in the appendix:

- District Questionnaire

The July 2017 Enrollment Projection Report is available upon request.

District Questionnaire for Yellow Springs Exempted Village of Greene County (45674) [Thealy]

District Questionnaire has been submitted for review

Enrollment Report For Yellow Springs Exempted Village of Greene County (45674)**Contact Information**

Superintendent Name: Terri Holden
 Superintendent Email: tholden@yssschoools.org
 Superintendent Phone: (937) 767-7381
 Contact Name (if different from Superintendent):
 Contact Title:
 Contact Email:
 Contact Phone:

K12 Enrollment

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
K	35	57	58	41	44	37	57	41	36	43
1	46	40	58	55	40	53	38	59	44	37
2	61	47	40	62	55	43	57	40	57	38
3	45	65	48	44	63	60	42	51	41	53
4	61	46	68	60	44	69	57	41	51	41
5	62	60	43	68	58	47	69	62	40	50
6	68	61	61	48	59	59	48	68	55	46
7	58	74	60	53	51	68	57	49	66	63
8	50	58	67	72	50	56	66	59	50	68
9	63	47	63	72	70	55	61	64	66	54
10	49	56	48	56	75	69	59	58	64	66
11	52	48	60	37	58	72	51	52	48	64
12	54	56	55	49	46	61	73	52	55	47
Ungraded	0	0	1	0	0	0	0	0	0	0
Total	704	715	730	717	713	749	735	696	673	670

All Day Kindergarten

Do you offer kindergarten to all students, all day, every day?
yes

Preschool Enrollment

Do you **house** Preschool/Pre-K students in your facilities, **including** Pre-K students in a program run by an ESC or other agency?

no

Do you have plans to house Pre-K in the future? no

Student Teacher Ratios

What are your district's current average student to teacher ratios for the following grade groups?

Include core teachers only.

- K–3 19 to 1
- 4–5 22 to 1
- 6–8 29 to 1
- 9–12 29 to 1

Grade Configurations

K through 6
7 through 12

Students with Disabilities

Definitions:

- **IE13** — Special Education outside the regular class less than 21% of the day.
- **IE14** — Special Education outside the regular class at least 21% of the day and no more than 60% of the day.
- **IE15** — Special Education outside the regular class more than 60% of the day.

Please provide enrollment for students with disabilities by ODE program code and grade configuration.

Code	K-6	7-12
IE13	20	44
IE14	3	5
IE15	0	0
Total	23	49

*These students should be included in the October headcount

Does your District house additional students with disabilities from other school districts? (i.e., county programs, etc.) no

Community Enrollment

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
PreK	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	1	0	0	0
1	0	0	0	1	0	0	0	1	0	0
2	1	0	0	1	1	0	0	0	1	1
3	0	0	0	1	0	1	0	0	0	1
4	1	0	0	0	1	0	1	0	0	0
5	0	0	0	0	2	0	0	1	0	0
6	0	0	0	0	2	1	0	0	1	0
7	1	1	0	0	0	2	1	1	0	1
8	0	2	0	1	0	1	2	1	2	2
9	1	1	3	3	1	3	2	3	2	1
10	0	1	0	1	2	4	2	2	2	2
11	1	1	0	1	4	0	3	2	0	2
12	0	0	1	0	1	3	2	1	1	1
Ungraded	0	0	0	0	0	0	0	0	0	0
Total	5	6	4	9	14	15	14	12	9	11

Open Enrollment (In)

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
Prek	0	0	0	0	0	0	0	0	0	0
K	4	10	17	3	4	11	15	6	16	15
1	7	5	13	21	3	8	12	15	7	16
2	10	7	4	16	21	4	9	11	16	7
3	7	13	6	6	14	26	4	9	13	18
4	14	9	13	14	6	16	22	6	10	15
5	7	15	11	14	16	8	16	25	6	9

6	21	9	17	13	13	16	7	18	20	9
7	12	20	10	16	17	16	11	12	16	23
8	9	14	18	18	16	17	14	12	10	16
9	6	7	17	21	20	19	20	17	17	10
10	7	7	10	19	19	21	19	19	15	18
11	10	8	7	9	20	20	21	18	18	18
12	12	11	8	8	9	25	20	17	19	16
Ungraded	0	0	0	0	0	0	0	1	1	0
Total	126	135	151	178	178	207	190	186	184	190

Open Enrollment (Out)

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
Prek	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	1
3	2	0	2	0	0	0	0	0	0	1
4	2	2	0	2	1	0	0	0	0	0
5	0	0	2	0	1	2	0	0	0	0
6	2	0	0	2	0	1	2	0	0	0
7	3	1	0	0	3	0	1	0	1	0
8	0	3	1	0	0	2	0	1	1	2
9	2	0	6	2	1	0	2	1	1	3
10	4	2	0	8	2	0	0	1	0	2
11	2	5	3	1	5	1	0	0	3	0
12	3	2	6	3	0	4	1	0	0	3
Ungraded	0	0	0	0	0	0	0	0	0	0
Total	21	16	20	18	13	10	6	3	7	11

JVS Enrollment

Does your District belong to a JVSD? yes

Please select the JVSD your District belongs to: Greene County Vocational School District

Please provide enrollment for students attending JVS (or "Other") full or half-time.

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
Full Time 11	8	5	9	9	7	3	16	4	8	4
Full Time 12	7	11	9	6	8	5	1	8	3	7
Total	15	16	18	15	15	8	17	12	11	11

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
Half Time 11	0	0	0	0	0	0	0	0	0	0
Half Time 12	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0

Career Technical Compact Enrollment

Does your District belong to a Compact? no

Career Tech Program Enrollment

Include only those students who are considered "concentrators" or enrolled in a "pathway". Do NOT include students who are just taking one course.

Comprehensive Career Tech: Students who attend academics and career technical programs in your district.

On-Site Career Tech: Students who attend academics in another district but attend career technical programs in your district.

Satellite JVSD: Same as Comprehensive Career Tech, but the program is sponsored and/or administered by the JVS District and housed by your District.

Do your district's students attend this program in your facilities? If so, please enter the 10-year enrollment numbers for the **B1-Performing Arts-Program Type 4** program. Please use your official October enrollment (as available) to update the table. For years -2- -1 and -1- use your enrollment data from the first full week of October.:

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
Comprehensive Career Tech 11	0	0	0	0	0	0	0	0	6	6
Comprehensive Career Tech 12	0	0	0	0	0	0	0	0	18	4
Total	0	0	0	0	0	0	0	0	24	10

Number of sections you offer: 0 Notes: This program started in the 2019-2020 school year.

Do you have students from outside districts coming to your district **ONLY** to take this career tech program? no

Do your district's students attend this program in your facilities? If so, please enter the 10-year enrollment numbers for the **F6-Engineering and Design-Program Type 2** program. Please use your official October enrollment (as available) to update the table. For years -2--1 and -1- use your enrollment data from the first full week of October.:

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
Satellite Career Tech 11	0	0	0	0	0	0	0	0	10	17
Satellite Career Tech 12	0	0	0	0	0	0	0	0	4	16
Total	0	0	0	0	0	0	0	0	14	33

Number of sections you offer: 0

Notes: Our SIS doesn't store the information in a searchable way over two years old. The October headcount data does not break out enrollment by satellite students. I'm unable to provide more detailed information about our satellite enrollment without checking individual student records.

Do you have students from outside districts coming to your district **ONLY** to take this career tech program? no

Do your district's students attend this program in your facilities? If so, please enter the 10-year enrollment numbers for the **B2-Visual Design and Imaging-Program Type 1** program. Please use your official October enrollment (as available) to update the table. For years -2--1 and -1- use your enrollment data from the first full week of October.:

Grade	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021
Comprehensive Career Tech 11	0	0	0	0	0	0	0	0	8	0
Comprehensive Career Tech 12	0	0	0	0	0	0	0	0	9	0
Total	0	0	0	0	0	0	0	0	17	0

Number of sections you offer: 0

Notes: This program started in the 2019-2020 school year but has no offerings in the 2020-2021 school year.

Do you have students from outside districts coming to your district **ONLY** to take this career tech program? no

Boundaries

Please list municipalities, townships, and any additional counties within the boundaries of your school district: Village of Yellow Springs
Miami Township

Has your District experienced changes in District-wide boundaries since 2004? no

Growth

Do you expect significant growth in your District over the next 10 years? no

Additional Information

Please provide any additional information you feel may impact your District's future enrollment [i.e. private schools opening or closing]
Small housing development coming in to Yellow Springs that will bring in 130 homes.

Submission Documents

The following are additional documents which may be useful in projecting your District's enrollment. Please check any documents you intend to provide for consideration and forward documents to:

Tracy Healy (thealy@futurethinkinc.com)
or
Future Think Inc.
5685 Tynecastle Loop
Dublin, 43016

Any information you think may impact future enrollment.

☐ Return To District [Print Report](#)

Please contact Tracy Healy (thealy@futurethinkinc.com, 614-264-2638) with any questions or concerns regarding the District Questionnaire.