



*FutureThink*

Formerly DeJONG-HEALY

# DRAFT REPORT



OHIO FACILITIES CONSTRUCTION COMMISSION

**Wickliffe City School District**

Lake County

Enrollment Projections

November 27, 2018

### INTRODUCTION

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Based on a request from the Ohio Facilities Construction Commission, **FutureThink** was contracted to develop enrollment projections for the Wickliffe City School District.

This report contains ten-year enrollment projections, which were developed for the Wickliffe City 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.

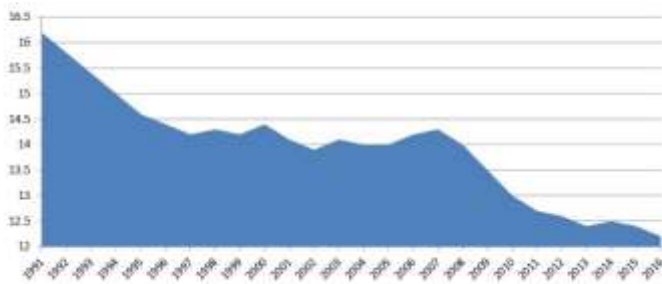
## Wickliffe City School District

### 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.



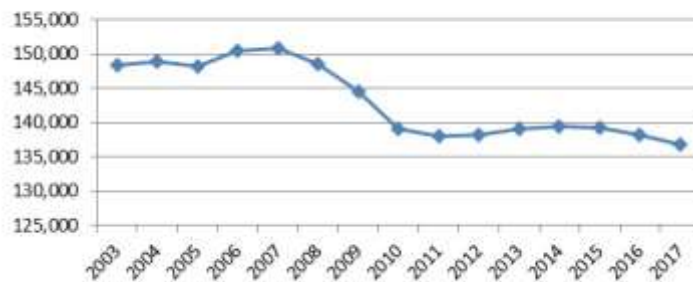
US Population - Live Birth Rate per 1,000 Population



With the live birth rate, there was an increase for the first time in several years in 1998. Other increases occurred in 2000, 2006, and 2007. Since 2007, the birth rate has resumed a descending pattern, reaching an all-time low in 2013. In 2014, there was a slight uptick, but declined again in 2015 and 2016.

Ohio has experienced a similar trend in live births as seen around the country. Live birth counts increased in 2000. A descending pattern resumed in 2001 with a slight stabilization from 2002 to 2005. Births increased slightly again 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 for 2015, 2016, and 2017 show additional decline.

Ohio Birth Counts

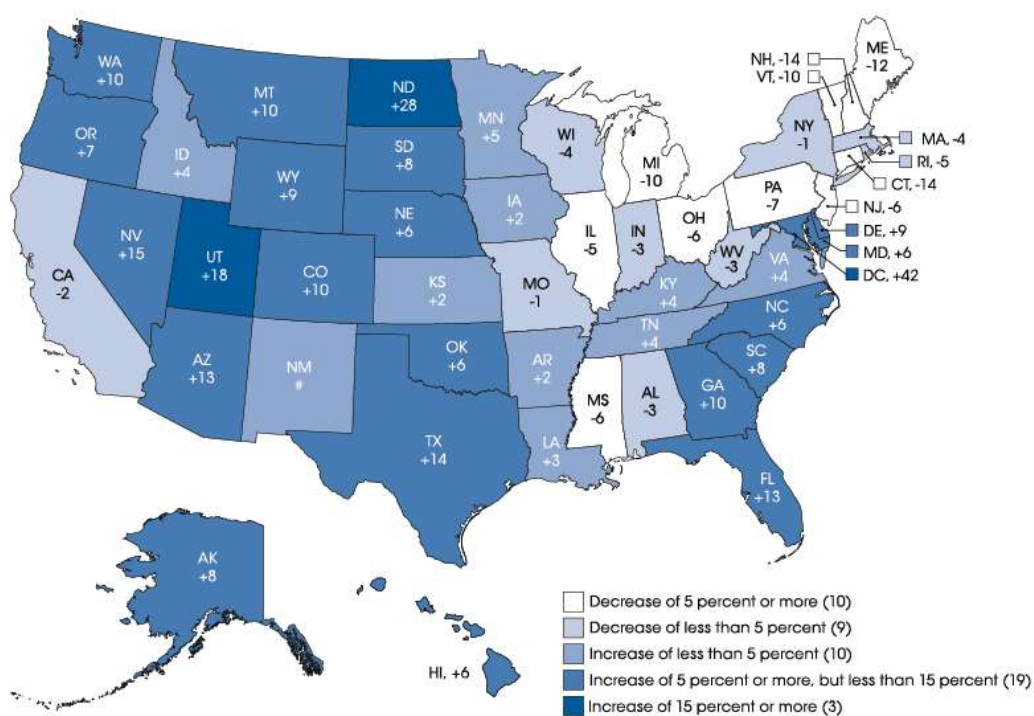


## Wickliffe City School District

In addition, to births dropping in Ohio, the state is also aging. The median age in 2017 was 39.9 years of age while the national median age is 37.9 years. In 2010, the median age in Ohio was 38.3 years.

In 2014-15, approximately 56 million students were enrolled in grades Pre-K-12 in the United States, an increase of 3% since the 2011-02 school year. Overall, enrollment is projected to increase by approximately 3% by the 2026-27 school year.

The figure below illustrates the projected change in Pre-K-12 public school enrollment from the 2014-15 to the 2026-27 school year. Growth is expected to continue primarily in the southeast and west. Washington, D.C.; North Dakota; and Utah are projected to experience the most growth. Ohio is projected to experience a decrease of 6 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," 2014-15; and Public State Elementary and Secondary Enrollment Model: 1980-2026. See *Digest of Education Statistics 2016*, [table 203.20](#).

## Wickliffe City School District

In Ohio, enrollment has declined steadily for both public and non-public school enrollment. From 2008-09 to 2017-18, public school enrollment declined by 140,602 students or approximately 7% statewide.

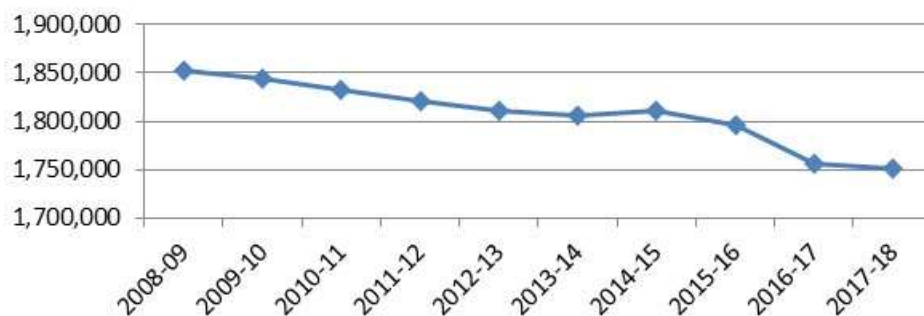
### Ohio Public School Enrollment 2008-09 - 2017-18

Year	October Headcount*
2008-09	1,852,542
2009-10	1,844,447
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

Source: Ohio Department of Education

\*includes grades K-12 and ungraded

### Ohio Public School Enrollment



## Wickliffe City School District

From 2008-09 – 2017-18, private school enrollment has declined by 26,486 students or 14 percent.

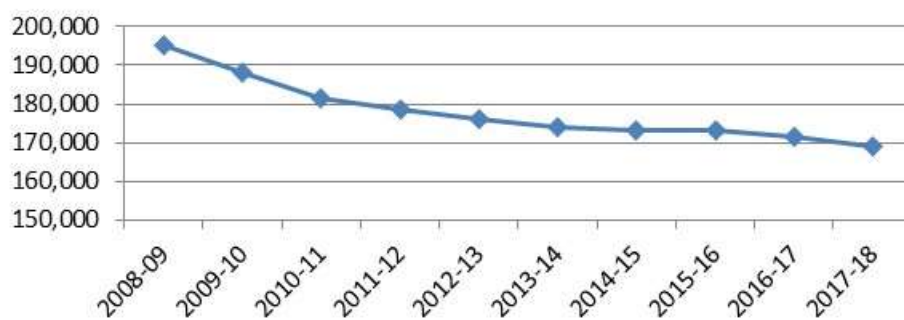
### Ohio Chartered Non-Public School Enrollment 2008-09 - 2017-18

Year	October ADM*
2008-09	195,343
2009-10	187,994
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

Source: Ohio Department of Education

\*includes grades K-12

### Ohio Non-Public School Enrollment



## Wickliffe City School District

Out of 610 school districts, only 89 (or approximately 15%) gained enrollment in grades K - 12 from the 2008-09 to the 2017-18 school year. Of the 521 school districts who lost enrollment, only 72 (or 14%) lost less than 5 percent, and 108 districts (or 21%) lost between 5 and 10 percent. Approximately 46% (or 240 districts) lost between 10 and 20 percent.

For those districts that gained enrollment, 54% increased by less than 5 percent. Of the 10 districts with the greatest increase in students, one is located in Delaware County and seven in Franklin County.

Analyzing enrollment from a county perspective, only 3 of the 88 counties in Ohio gained K – 12 enrollment from the 2008-09 to the 2017-18 school year: Delaware, Franklin and Warren.

County	Percentage Gain
Delaware	30.97%
Franklin	3.98%
Warren	2.41%

Lake County had the highest percentage loss of students at 37.54 percent. Fifty-nine percent of the counties (52 total) experienced a decline of greater than 10 percent. The map on the following page illustrates the gain/loss for each county from the 2008-09 to the 2017-18 school year.





## ENROLLMENT PROJECTION METHODOLOGIES

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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.

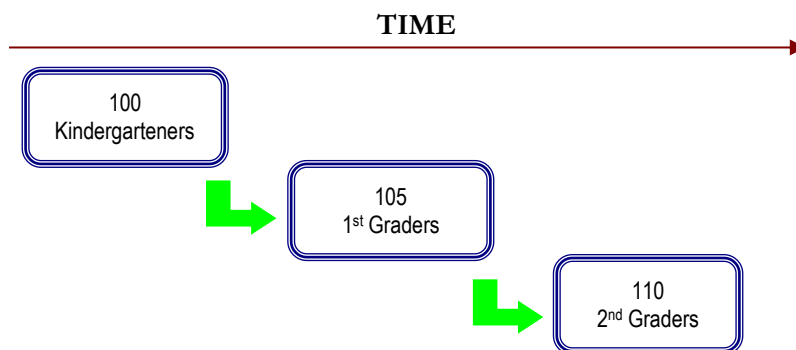
When looking ahead at a school district's enrollment over the next two, five, or ten years, it is helpful to approach the process from a global perspective. For example: How many new homes have been constructed each year? How many births have occurred each year in relation to the resident population?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

## Wickliffe City 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.

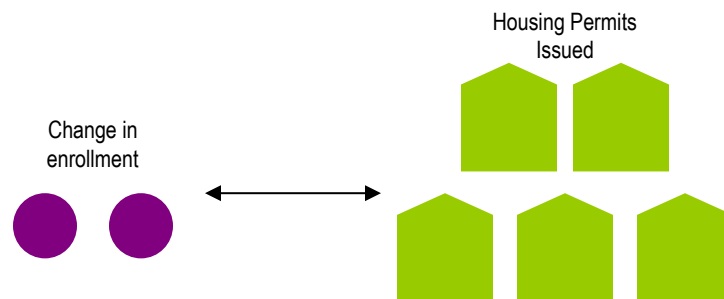
This methodology can be carried through to develop ten years of projection figures. Because there is not a grade cohort to follow for students coming into kindergarten, live birth counts are used to develop a survival ratio. Babies born five years previous to the kindergarten class are compared in number,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

## Wickliffe City 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.



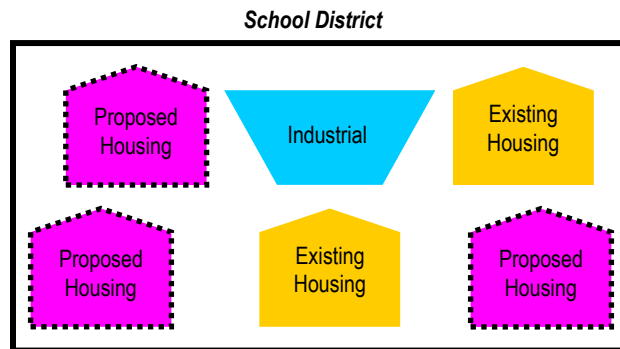
Once yield factors are established, the number of new students per year can be estimated by multiplying the yield factor by the number of projected new housing units. This method is effective when the rate of kindergarten enrollment far exceeds the live birth counts.

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.

## Wickliffe City 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 Wickliffe City School District.

## Wickliffe City School District

### HISTORICAL ENROLLMENT

Over the past ten years, student enrollment in the Wickliffe City School District has decreased by 177 students in grades K – 12, including ungraded students. Total enrollment for the 2018-19 school year is 1,301 students.

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

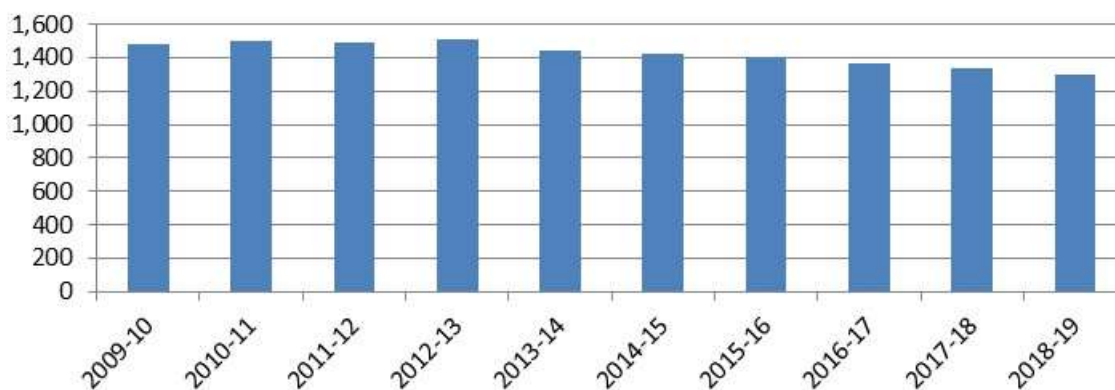
- K-4 - 8%
- 5-8 – 12%
- 9-12 – 10%

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

- K-4 - 1%
- 5-8 – 1%
- 9-12 – 1%

The following graph illustrates the District’s Pre-K – 12 enrollment history from 2009-10 through 2018-19.

**Wickliffe City School District  
Historical Enrollment**



## Wickliffe City School District

The following tables illustrate the District's enrollment history from 2009-10 through 2018-19.

### Wickliffe City School District Historical Enrollment

Grade	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
K	100	114	100	119	80	113	97	78	91	88
1	114	111	108	99	119	77	109	95	82	79
2	104	117	112	114	99	114	87	109	95	89
3	108	109	107	114	113	98	110	80	107	90
4	113	112	107	109	114	105	100	109	79	103
5	120	120	116	113	113	118	100	102	117	84
6	109	117	120	115	111	124	112	102	105	116
7	106	114	120	118	116	102	128	116	110	107
8	121	106	116	121	112	122	101	123	112	110
9	130	128	125	115	122	108	115	99	119	106
10	106	133	117	118	115	115	112	118	100	112
11	119	97	128	115	108	115	117	113	116	99
12	124	119	106	133	113	109	114	116	108	118
<b>K - 12 Total</b>	<b>1,474</b>	<b>1,497</b>	<b>1,482</b>	<b>1,503</b>	<b>1,435</b>	<b>1,420</b>	<b>1,402</b>	<b>1,360</b>	<b>1,341</b>	<b>1,301</b>
Ungraded	4	5	7	6	6	3	2	3	0	0
<b>Grand Total</b>	<b>1,478</b>	<b>1,502</b>	<b>1,489</b>	<b>1,509</b>	<b>1,441</b>	<b>1,423</b>	<b>1,404</b>	<b>1,363</b>	<b>1,341</b>	<b>1,301</b>

Source: Ohio Department of Education, EMIS; Wickliffe City School District

### Wickliffe City School District Historical Enrollment by Grade Group

Grade	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
K - 4	539	563	534	555	525	507	503	471	454	449
5 - 8	456	457	472	467	452	466	441	443	444	417
9 - 12	479	477	476	481	458	447	458	446	443	435
<b>K - 12 Total</b>	<b>1,474</b>	<b>1,497</b>	<b>1,482</b>	<b>1,503</b>	<b>1,435</b>	<b>1,420</b>	<b>1,402</b>	<b>1,360</b>	<b>1,341</b>	<b>1,301</b>
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Source: Ohio Department of Education, EMIS; Wickliffe City School District

## Wickliffe City School District

### COMMUNITY SCHOOL ENROLLMENT

In Ohio, community school enrollment has increased dramatically over the last decade. From 2007-08 to 2016-17, enrollment has increased by approximately 35% from 82,643 students in 313 community schools to 111,272 students in 362 community schools. However, there has been a decrease of 8% in both enrollment and number of schools since the 2013-14 school year.

#### Ohio

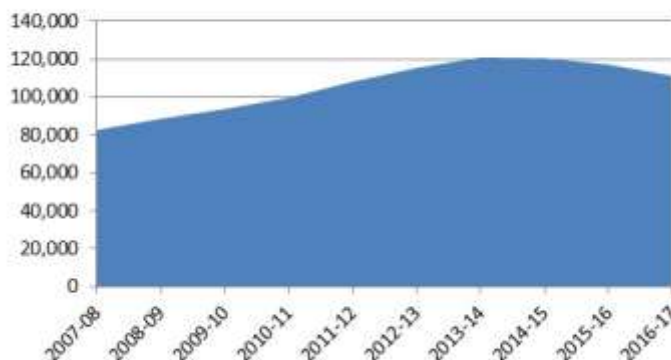
##### Community School Enrollment (Pre-K - 12)

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Grand Total	82,643	88,536	93,699	99,658	108,124	115,324	120,893	120,495	117,126	111,272

Source: Ohio Department of Education, Ohio Community Schools Annual Report 2016-17

FTE students

#### Ohio Community School Enrollment



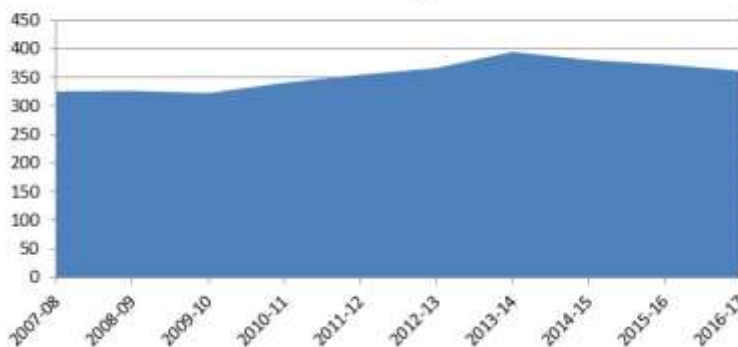
#### Ohio

##### Number of Community Schools

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Grand Total	326	327	323	341	355	367	395	381	373	362

Source: Ohio Department of Education, Ohio Community Schools Annual Report 2016-17

#### Number of Community Schools in Ohio



## Wickliffe City School District

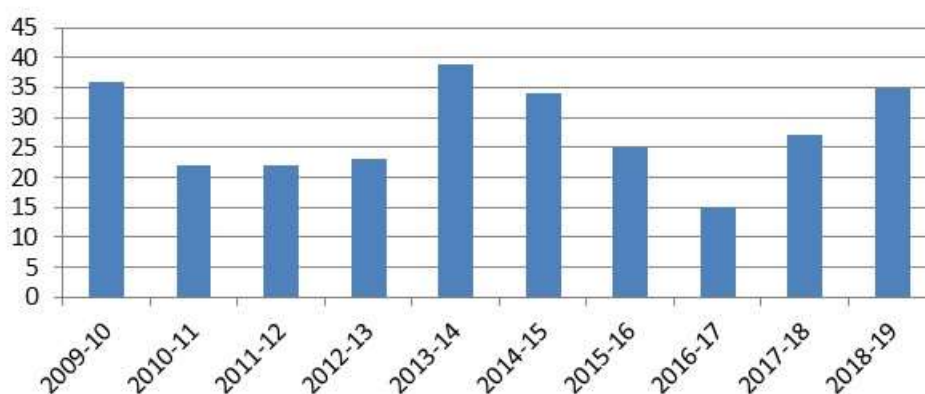
Since 2009-10, the number of Wickliffe City School District students attending community schools has fluctuated between 15 and 39 students. Enrollment of Wickliffe City School District students attending community schools should be closely monitored as it may have a significant impact on District enrollment in the future.

**Wickliffe City School District  
Community School Enrollment**

Grade	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Pre-K	0	0	0	0	0	0	0	0	0	0
K	3	1	2	2	0	0	0	1	3	3
1	1	1	0	4	3	1	1	0	2	1
2	2	0	0	1	3	2	1	1	0	1
3	2	2	0	0	0	2	0	1	1	0
4	3	0	0	0	2	1	2	0	0	3
5	0	1	1	2	2	0	3	0	1	0
6	2	1	3	0	1	1	0	1	2	2
7	4	1	1	3	2	1	2	1	2	1
8	5	2	1	0	6	4	3	2	4	6
9	4	5	8	2	5	6	4	3	2	6
10	6	2	1	5	3	5	1	2	5	4
11	2	3	1	2	7	4	5	0	4	4
12	2	3	4	2	5	7	3	3	1	4
Ungraded	0	0	0	0	0	0	0	0	0	0
<b>Grand Total</b>	<b>36</b>	<b>22</b>	<b>22</b>	<b>23</b>	<b>39</b>	<b>34</b>	<b>25</b>	<b>15</b>	<b>27</b>	<b>35</b>

Source: Ohio Department of Education, EMIS; Wickliffe City School District

**Wickliffe City School District  
Students Attending Community Schools**





## Wickliffe City School District

### OPEN ENROLLMENT

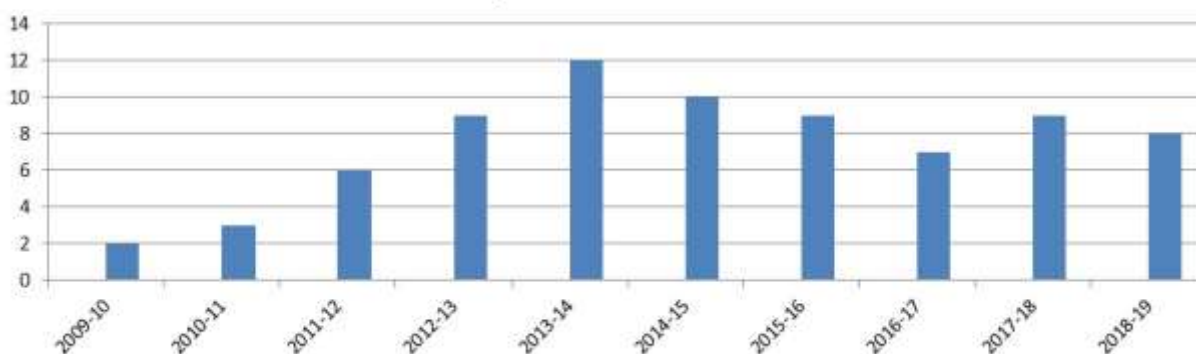
Since 2009-10, the number of Wickliffe City School District students “open enrolling” out of the District has fluctuated between 2 and 12 students. There are no students “open enrolling” into the District. Significant changes in the number of students “open enrolling” into or out of the District from year to year can impact enrollment projections and should be monitored.

Wickliffe City School District  
Open Enrollment - OUT

Grade	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Pre-K	0	0	0	0	0	0	0	0	0	0
K	0	0	2	0	0	0	0	0	2	1
1	0	0	0	3	1	0	0	0	1	0
2	0	0	0	1	3	1	0	0	0	1
3	0	1	1	0	2	3	1	0	0	0
4	1	0	0	1	0	2	2	1	1	1
5	0	0	0	0	1	0	2	2	0	1
6	0	0	0	1	0	0	0	2	1	0
7	0	1	0	0	1	0	0	0	0	2
8	0	0	2	1	0	1	0	1	0	0
9	1	0	0	1	1	1	1	0	0	2
10	0	1	0	0	1	1	0	0	0	0
11	0	0	1	0	2	1	2	1	1	0
12	0	0	0	1	0	0	1	0	3	0
Ungraded	0	0	0	0	0	0	0	0	0	0
Grand Total	2	3	6	9	12	10	9	7	9	8

Source: Ohio Department of Education, EMIS; Wickliffe City School District

Wickliffe City School District  
Open Enrollment - Out



## Wickliffe City 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.

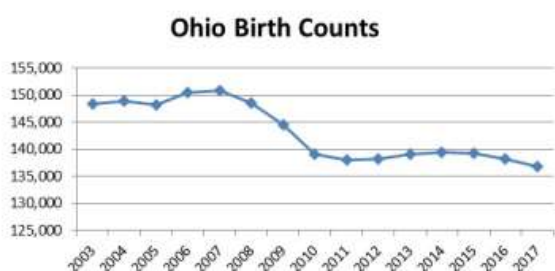
The Ohio Department of Health [ODH] data warehouse provides information about live birth events for Ohio residents. Information about events occurring outside of Ohio to Ohio residents is included. Information about events occurring inside Ohio to non-Ohio residents is not included.

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. Live birth counts increased in 2000. A descending pattern resumed in 2001 with a slight stabilization from 2002 to 2005. Births increased slightly again 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 for 2015, 2016, and 2017 show additional decline.

## Wickliffe City School District

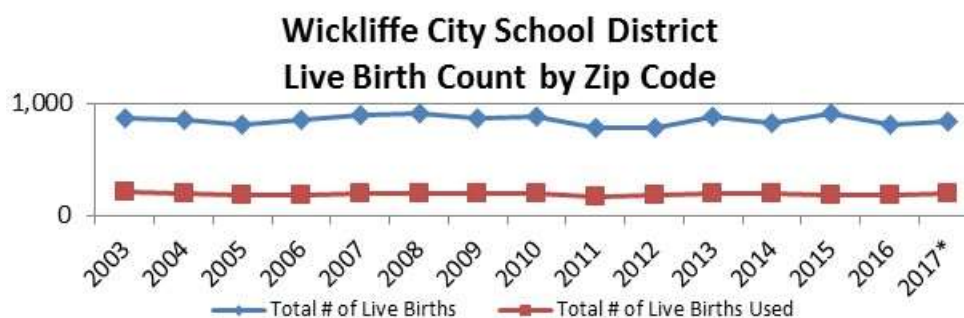
The following table and graph include the live birth counts for zip codes 44092, 44094, and 44095. However, upon analysis of the map on page 19, only zip code 44092 was used for projection purposes.

**Wickliffe City School District  
Live Birth Count by Zip Code  
2003-2017**

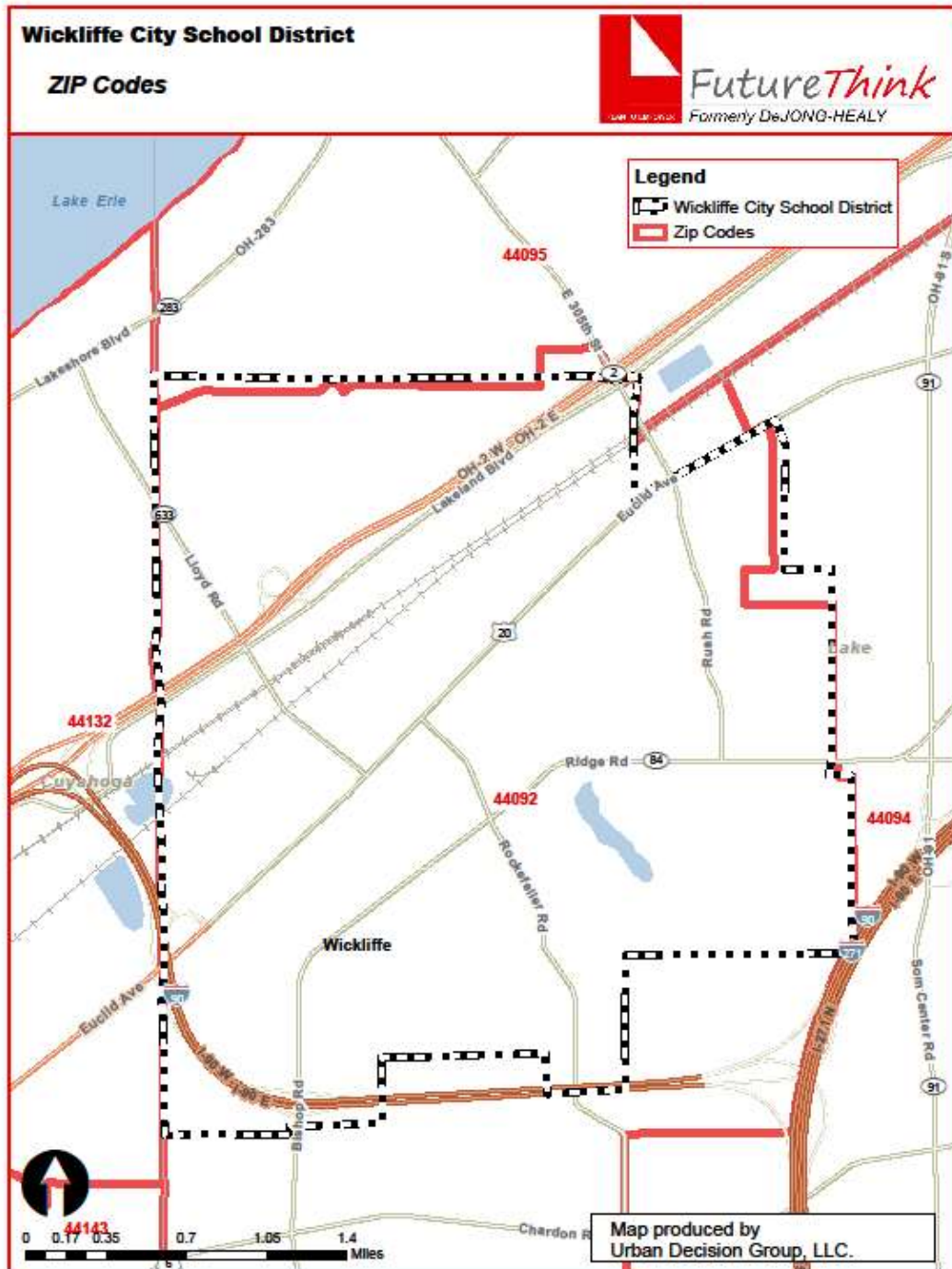
Year	44092	44094	44095	Total # of Live Births	Total # of Live Births Used
2003	203	313	351	867	203
2004	202	326	330	858	202
2005	180	281	351	812	180
2006	184	332	342	858	184
2007	201	342	350	893	201
2008	202	319	396	917	202
2009	197	308	365	870	197
2010	199	329	353	881	199
2011	163	308	320	791	163
2012	186	306	297	789	186
2013	189	349	346	884	189
2014	191	312	320	823	191
2015	188	358	363	909	188
2016	188	324	307	819	188
2017*	196	335	310	841	196

Source: Ohio Department of Health, Statistical Analysis Unit

\*preliminary



## Wickliffe City School District



## Wickliffe City School District

## DEMOGRAPHICS

The Wickliffe City School District is comprised of Wickliffe City in Lake County. General demographic data is included in the following tables for the areas located completely or partially in the District.

## General Demographic Information

	Lake County	State of Ohio
Per Capita Income	\$31,053	\$27,800
Median Household Income	\$59,958	\$50,674
Persons Below Poverty	8.5%	15.4%

Source: US Census, American Community Survey, 2016 5-Year Estimates

## Total Population

	2000 Census	2010 Census
Lake County	227,511	230,041
Wickliffe City	14,361	14,171

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

## Wickliffe City 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.*

## Wickliffe City 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.

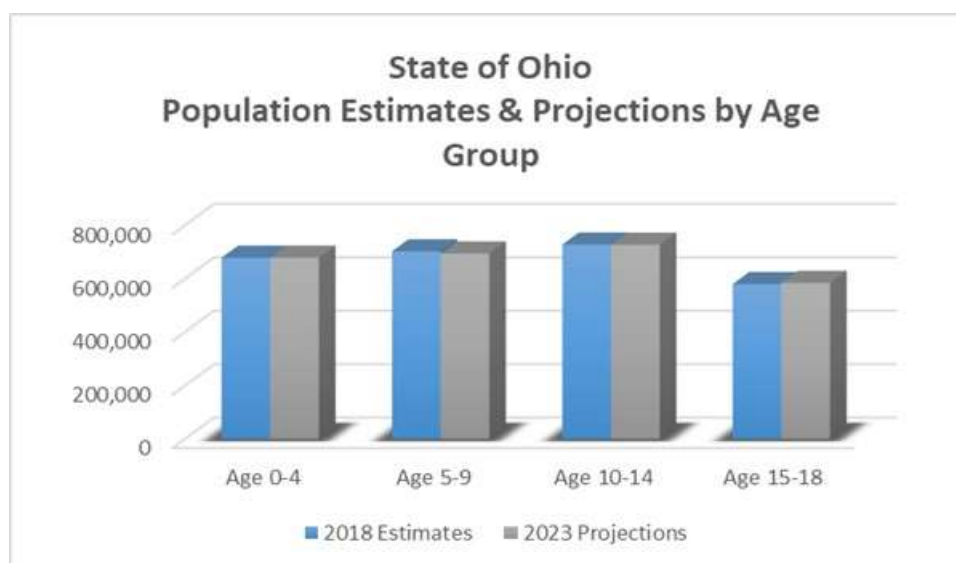
The total population in the State of Ohio is 11,772,676. This population is projected to increase by 146,828 people, or approximately 1% over a 5-year period.

The 0-18 year-old population in the State currently totals 2,687,291. This population is projected to decrease by 4,559 children, or less than 1 percent.

The median age is projected to increase by approximately 2% from 40.0 to 40.7 years of age.

State of Ohio	2018 Estimates	2023 Projections	Change 2018-23	Change 2018-23 (%)
Total Population	11,772,676	11,919,504	146,828	1.2%
Age 0-4	678,107	678,004	-103	0.0%
Age 5-9	702,177	693,853	-8,324	-1.2%
Age 10-14	727,557	726,814	-743	-0.1%
Age 15-18	579,450	584,061	4,611	0.8%
Total Age 0-18	2,687,291	2,682,732	-4,559	-0.2%
Median Age	40.0	40.7	0.7	1.8%

Source: ESRI

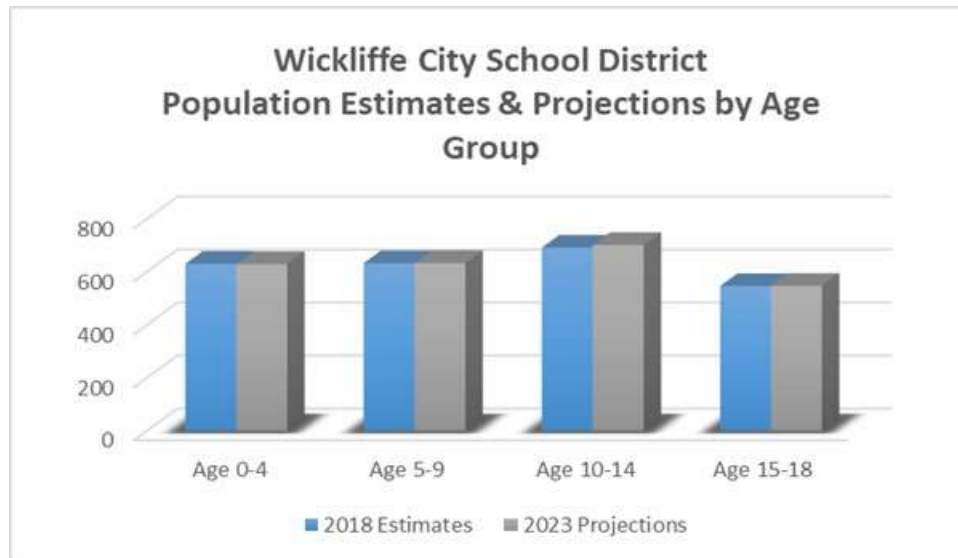


## Wickliffe City School District

The total population in the District is 12,605. This population is projected to decrease by 31 people, or less than 1% over a 5-year period. The 0-18 year-old population in the District currently totals 2,499. This population is projected to increase by 11 people, or less than 1 percent. The median age is projected to stay the same.

Wickliffe City School District	2018 Estimates	2023 Projections	Change 2018-23	Change 2018-23 (%)
Total Population	12,605	12,574	-31	-0.2%
Age 0-4	630	629	-1	-0.2%
Age 5-9	632	633	1	0.2%
Age 10-14	691	701	10	1.4%
Age 15-18	546	547	1	0.2%
Total Age 0-18	2,499	2,510	11	0.4%
Median Age	45.2	45.2	0.0	0.0%

Source: ESRI





## Wickliffe City School District

Median and average household incomes in the State are projected to increase by approximately 11% and 15%, respectively over a 5-year period. The average family size and total number of family households are both expected to increase slightly.

State of Ohio	2018 Estimates	2023 Projections	Change 2018-23	Change 2018-23 (%)
Median Household Income	\$53,378	\$59,356	\$5,978	11.2%
Average Household Income	\$72,517	\$83,630	\$11,113	15.3%
Average Family Size	3.04	3.05	0.01	0.3%
Total Family Households	3,005,668	3,025,590	19,922	0.7%

Source: ESRI

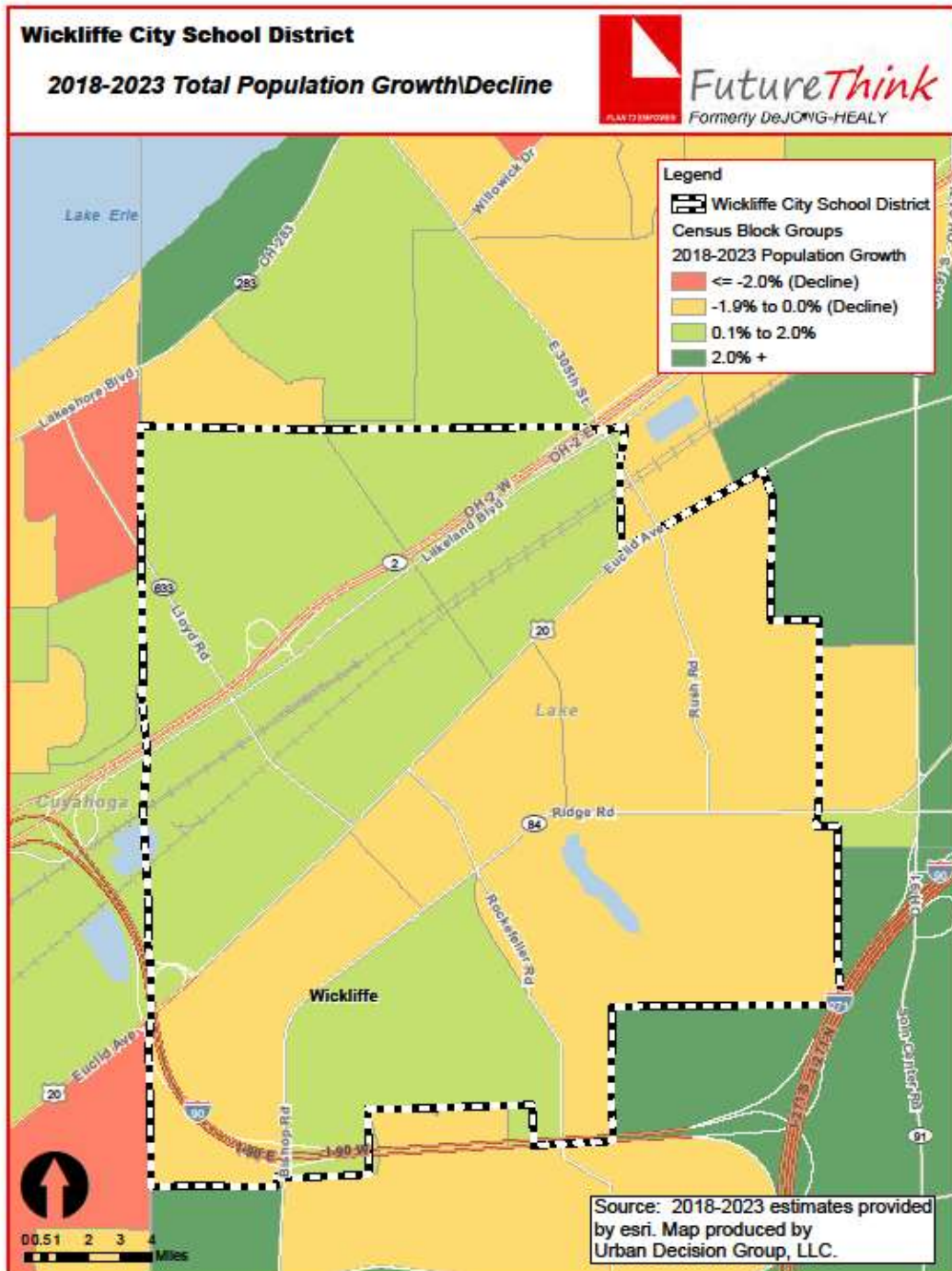
Median and average household incomes in the District are projected to increase by approximately 10% and 15%, respectively over a 5-year period. The average family size is projected to increase slightly, and the number of family households is projected to decline slightly.

Wickliffe City School District	2018 Estimates	2023 Projections	Change 2018-23	Change 2018-23 (%)
Median Household Income	\$51,201	\$56,347	\$5,146	10.1%
Average Household Income	\$63,902	\$73,673	\$9,771	15.3%
Average Family Size	2.91	2.92	0.01	0.3%
Total Family Households	3,343	3,319	-24	-0.7%

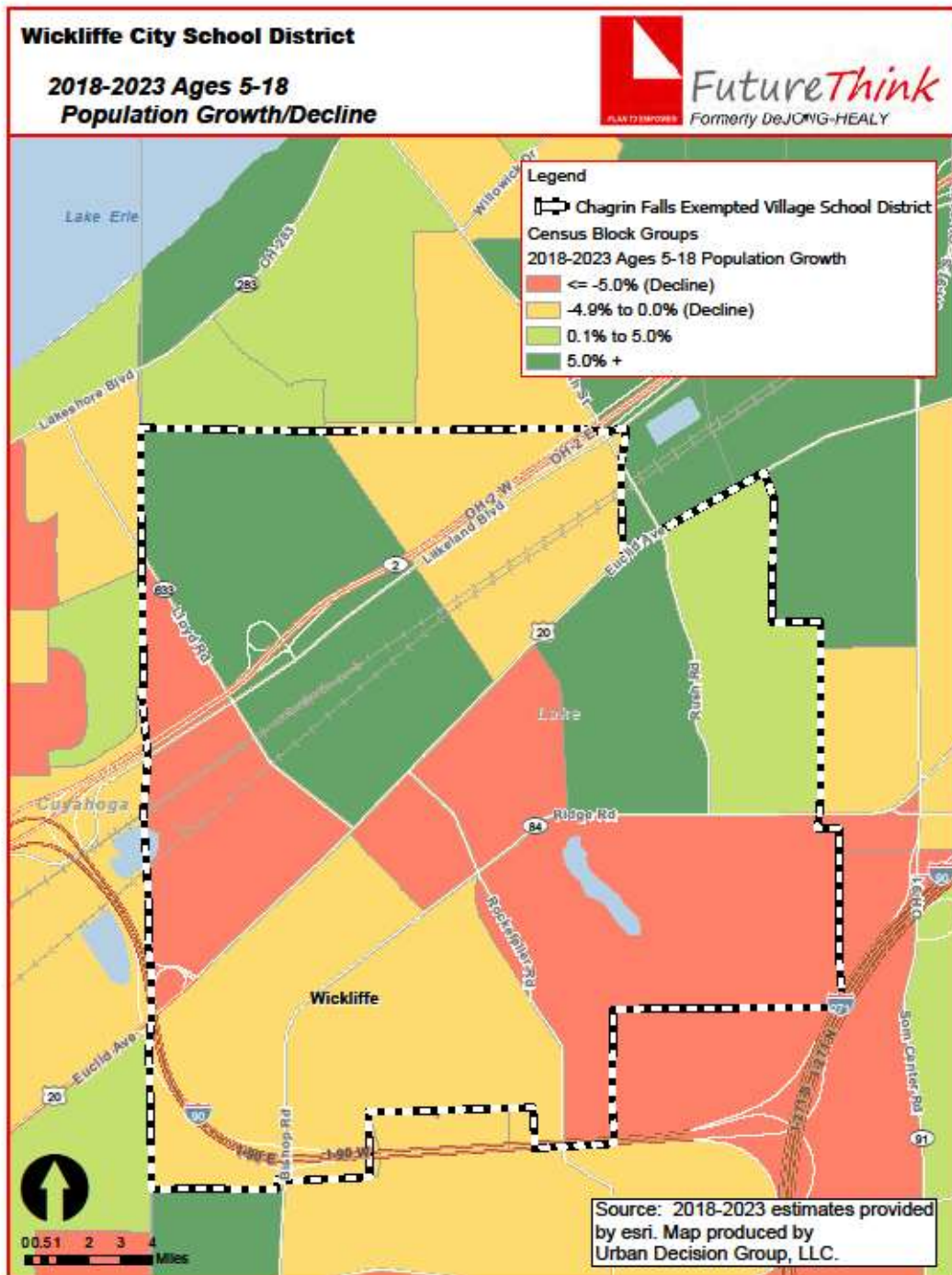
Source: ESRI

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.

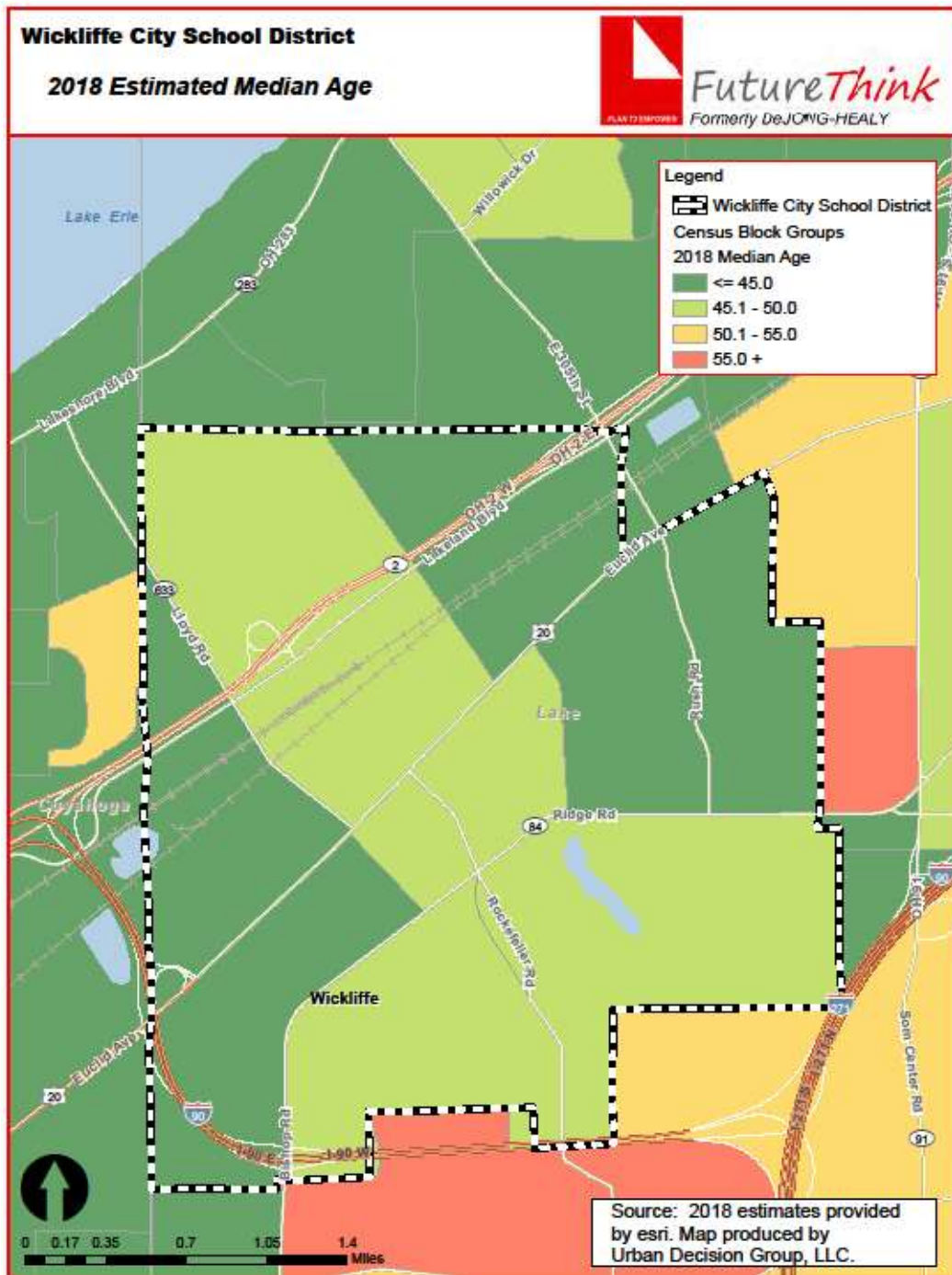
## Wickliffe City School District



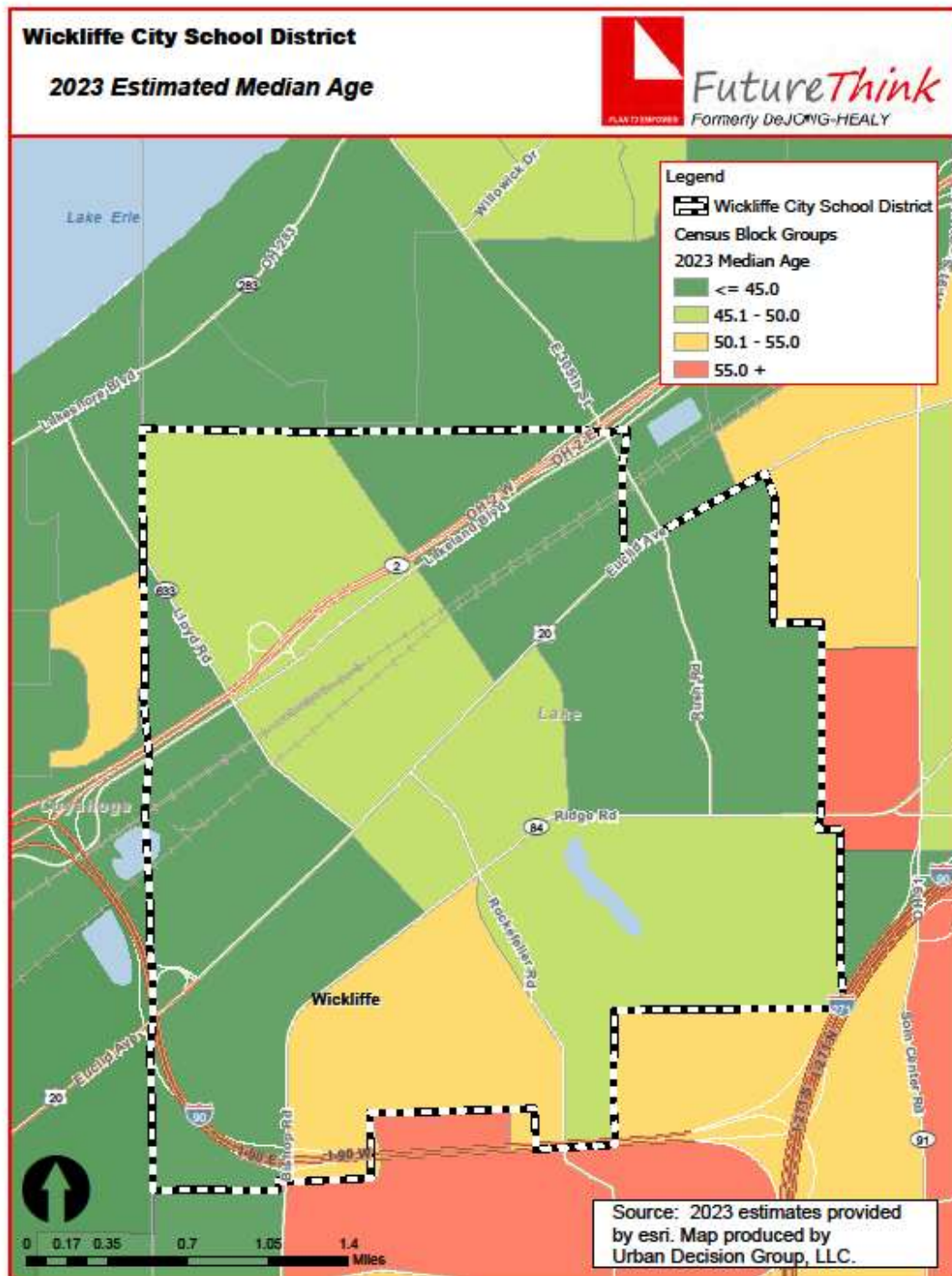
## Wickliffe City School District



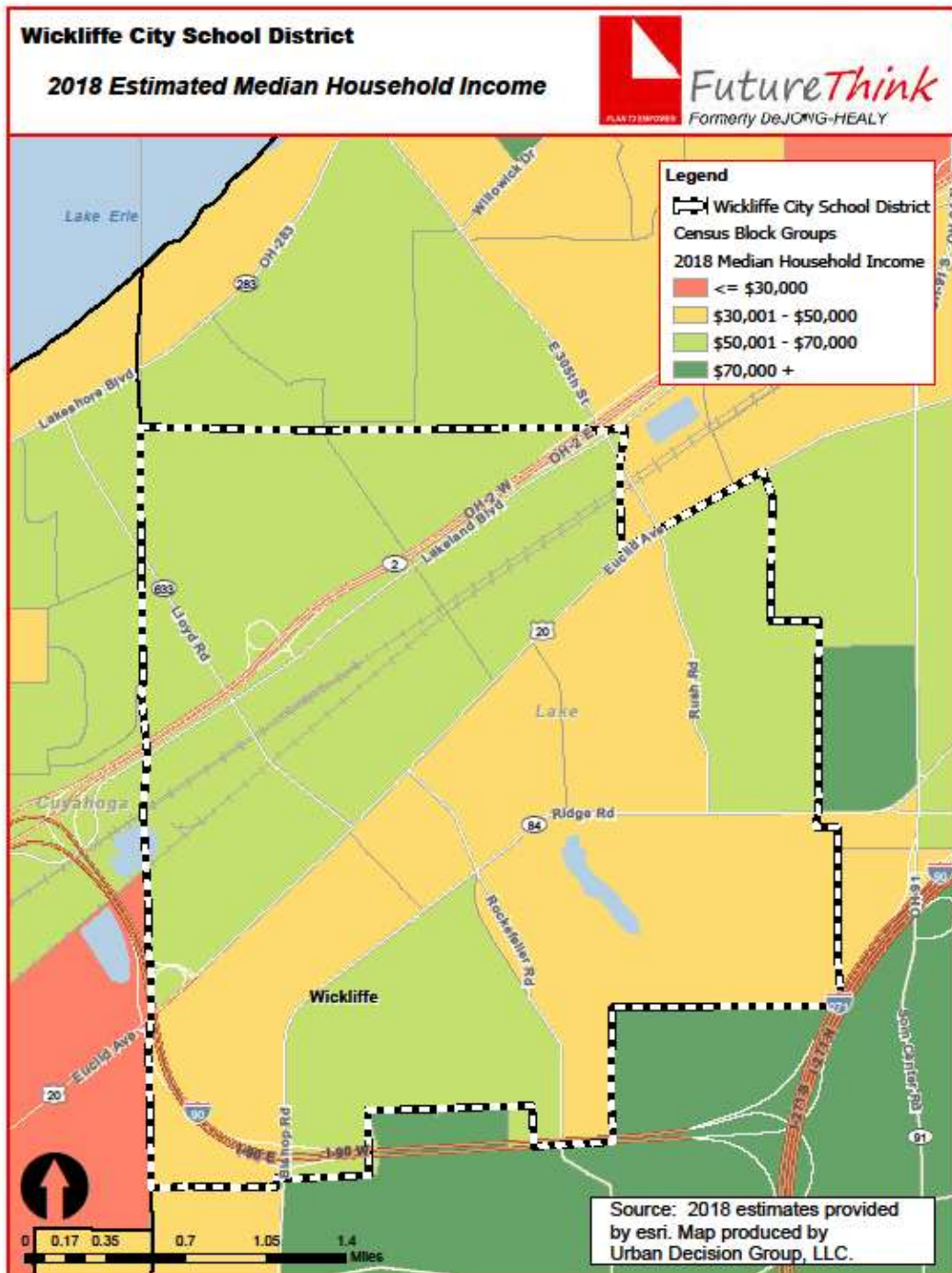
## Wickliffe City School District



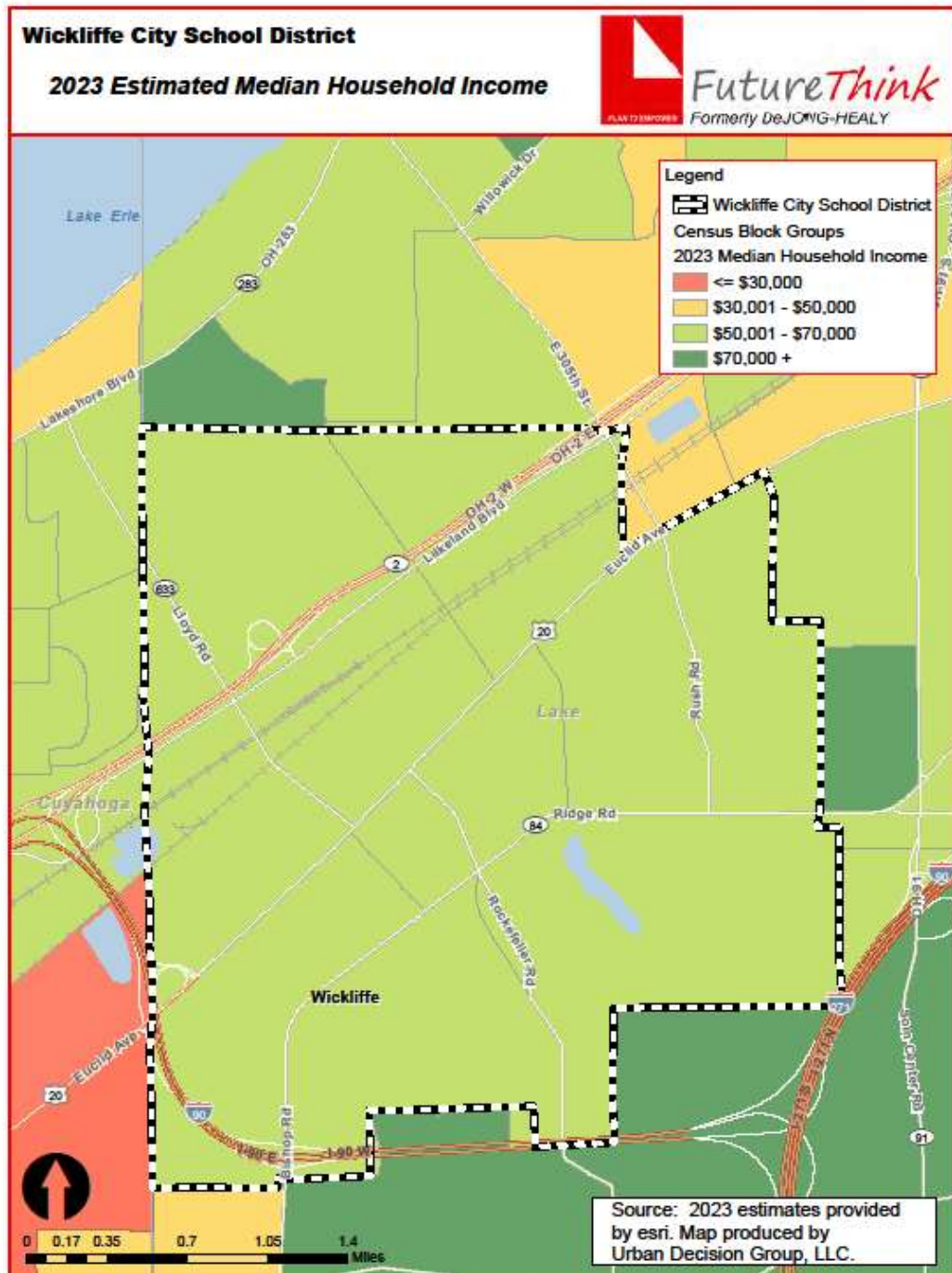
## Wickliffe City School District



## Wickliffe City School District



## Wickliffe City School District



### HOUSING INFORMATION

The chart below illustrates the number of single-family dwelling building permits issued each year in Wickliffe and Lake County.

**# of Building Permits Issued for Single Family Dwellings**

Year	Wickliffe City	Lake County
2008	6	325
2009	8	255
2010	3	269
2011	1	222
2012	3	280
2013	5	308
2014	9	320
2015	9	326
2016	3	382
2017	9	409
2018*	6	284

Source: SOCDs Building Permits Database

\* through September 2018



## Wickliffe City 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 Wickliffe City 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
2009	2010	63.3%	111.0%	102.6%	104.8%	103.7%	106.2%	97.5%	104.6%	100.0%	105.8%	102.3%	91.5%	100.0%
2010	2011	54.3%	94.7%	100.9%	91.5%	98.2%	103.6%	100.0%	102.6%	101.8%	117.9%	91.4%	96.2%	109.3%
2011	2012	59.2%	99.0%	105.6%	101.8%	101.9%	105.6%	99.1%	98.3%	100.8%	99.1%	94.4%	98.3%	103.9%
2012	2013	39.6%	100.0%	100.0%	99.1%	100.0%	103.7%	98.2%	100.9%	94.9%	100.8%	100.0%	91.5%	98.3%
2013	2014	57.4%	96.3%	95.8%	99.0%	92.9%	103.5%	109.7%	91.9%	105.2%	96.4%	94.3%	100.0%	100.9%
2014	2015	48.7%	96.5%	113.0%	96.5%	102.0%	95.2%	94.9%	103.2%	99.0%	94.3%	103.7%	101.7%	99.1%
2015	2016	47.9%	97.9%	100.0%	92.0%	99.1%	102.0%	102.0%	103.6%	96.1%	98.0%	102.6%	100.9%	99.1%
2016	2017	48.9%	105.1%	100.0%	98.2%	98.8%	107.3%	102.9%	107.8%	96.6%	96.7%	101.0%	98.3%	95.6%
2017	2018	46.6%	86.8%	108.5%	94.7%	96.3%	106.3%	99.1%	101.9%	100.0%	94.6%	94.1%	99.0%	101.7%
	average	51.77%	98.592%	102.93%	97.5%	99.20%	103.7%	100.4%	101.6%	99.4%	100.420%	98.202%	97.500%	100.883%
	standard deviation	6.949%	6.350%	4.947%	4.124%	3.082%	3.409%	3.982%	4.228%	2.999%	7.020%	4.353%	3.534%	3.686%

## Wickliffe City School District

### ENROLLMENT PROJECTION

Enrollment projections were developed after analyzing the data collected in this report. The projections indicate a decrease of 124 students in grades K through 12 from the 2018-19 to the 2028-29 school year. The following tables and graph illustrate projected enrollments by grade and by grade group through the 2028-29 school year.

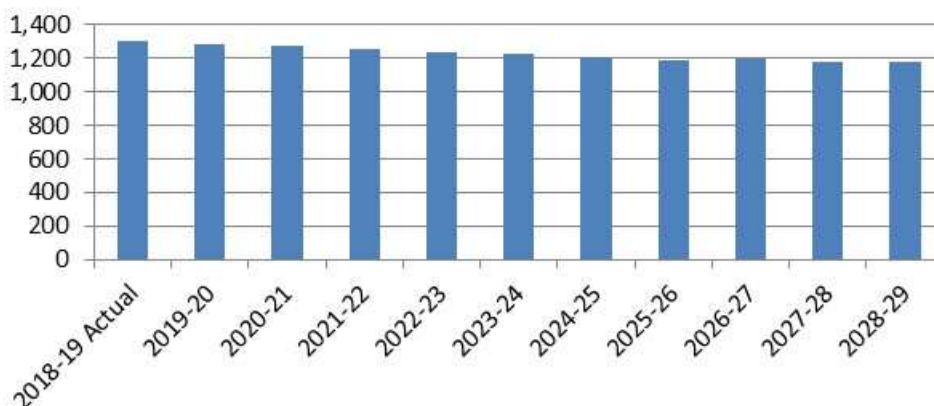
**Kindergarten:**

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 11<sup>th</sup> and 12<sup>th</sup> grade enrollments and projected separately.

**Wickliffe City School District  
Projected Enrollment**



## Wickliffe City School District

### Wickliffe City School District Projected Enrollment

Grade	2018-19 Actual	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
K	88	92	91	91	95	92	92	92	92	92	92
1	79	86	89	88	88	91	89	89	89	89	89
2	89	83	89	93	91	91	95	93	93	93	93
3	90	86	79	85	89	87	87	91	89	89	89
4	103	89	84	78	83	87	86	86	89	87	87
5	84	109	93	88	82	88	91	90	90	94	91
6	116	86	111	95	90	83	89	93	91	91	95
7	107	121	89	114	98	93	86	92	96	95	95
8	110	107	120	89	114	98	93	86	92	96	94
9	106	106	103	115	85	110	94	89	82	88	92
10	112	107	107	103	116	85	110	94	89	83	89
11	99	112	107	107	103	116	85	110	94	89	83
12	118	99	112	106	106	102	115	85	109	94	88
<b>K - 12 Total</b>	<b>1,301</b>	<b>1,283</b>	<b>1,274</b>	<b>1,252</b>	<b>1,240</b>	<b>1,223</b>	<b>1,212</b>	<b>1,190</b>	<b>1,195</b>	<b>1,180</b>	<b>1,177</b>

Source: FutureThink

### Wickliffe City School District Projected Enrollment by Grade Group

Grade	2018-19 Actual	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
K - 4	449	436	432	435	446	448	449	451	452	450	450
5 - 8	417	423	413	386	384	362	359	361	369	376	375
9 - 12	435	424	429	431	410	413	404	378	374	354	352
<b>K - 12 Total</b>	<b>1,301</b>	<b>1,283</b>	<b>1,274</b>	<b>1,252</b>	<b>1,240</b>	<b>1,223</b>	<b>1,212</b>	<b>1,190</b>	<b>1,195</b>	<b>1,180</b>	<b>1,177</b>

Source: FutureThink

### CONCLUSION

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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 Wickliffe City School District.

## APPENDIX

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The following document is included in the appendix:

- District Questionnaire

The April 2003 Enrollment Projection Report is available upon request.

District Questionnaire has been submitted for review

## Enrollment Report For Wickliffe City of Lake County (45088)

### Contact Information

Superintendent Name: Joseph Spiccia  
 Superintendent Email: joseph.spiccia@wickliffeschools.org  
 Superintendent Phone: (440) 943-6900  
 Contact Name (if different from Superintendent):  
 Contact Title:  
 Contact Email:  
 Contact Phone:

### K12 Enrollment

Grade	Enrolled 2009– 2010	Enrolled 2010– 2011	Enrolled 2011– 2012	Enrolled 2012– 2013	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019
<b>K</b>	100	114	100	119	80	113	97	78	91	88
<b>1</b>	114	111	108	99	119	77	109	95	82	79
<b>2</b>	104	117	112	114	99	114	87	109	95	89
<b>3</b>	108	109	107	114	113	98	110	80	107	90
<b>4</b>	113	112	107	109	114	105	100	109	79	103
<b>5</b>	120	120	116	113	113	118	100	102	117	84
<b>6</b>	109	117	120	115	111	124	112	102	105	116
<b>7</b>	106	114	120	118	116	102	128	116	110	107
<b>8</b>	121	106	116	121	112	122	101	123	112	110
<b>9</b>	130	128	125	115	122	108	115	99	119	106
<b>10</b>	106	133	117	118	115	115	112	118	100	112
<b>11</b>	119	97	128	115	108	115	117	113	116	99
<b>12</b>	124	119	106	133	113	109	114	116	108	118
<b>Ungraded</b>	4	5	7	6	6	3	2	3	0	0
<b>Total</b>	<b>1478</b>	<b>1502</b>	<b>1489</b>	<b>1509</b>	<b>1441</b>	<b>1423</b>	<b>1404</b>	<b>1363</b>	<b>1341</b>	<b>1301</b>

### 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?  
yes

Please select your district's preschool funding sources:  
General Fund Tuition

Early Childhood Education (ECE) grant funding (known as entitlement and public preschool) is distributed by the Ohio Department of Education to districts to provide preschool services for 3- and 4-year old children of income eligible families.

Do you house Early Childhood Education (ECE) students in your facilities?  
no

Do you house Pre-K students with disabilities in your facilities?  
no

Do you house other Pre-K students in your facilities that are not students with disabilities and are not enrolled in ECE, or Federal Head Start (e.g., tuition-based or funded with other sources)?  
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 22 to 1
- 4-5 23 to 1
- 6-8 22 to 1
- 9-12 20 to 1

## Grade Configurations

K through 4  
5 through 8  
9 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-4	5-8	9-12
IE13	34	48	39
IE14	4	2	6
IE15	5	6	6
<b>Total</b>	<b>43</b>	<b>56</b>	<b>51</b>

\*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 2009–2010	Enrolled 2010–2011	Enrolled 2011–2012	Enrolled 2012–2013	Enrolled 2013–2014	Enrolled 2014–2015	Enrolled 2015–2016	Enrolled 2016–2017	Enrolled 2017–2018	Enrolled 2018–2019
PreK	0	0	0	0	0	0	0	0	0	0
K	3	1	2	2	0	0	0	1	3	3
1	1	1	0	4	3	1	1	0	2	1
2	2	0	0	1	3	2	1	1	0	1
3	2	2	0	0	0	2	0	1	1	0
4	3	0	0	0	2	1	2	0	0	3
5	0	1	1	2	2	0	3	0	1	0
6	2	1	3	0	1	1	0	1	2	2
7	4	1	1	3	2	1	2	1	2	1
8	5	2	1	0	6	4	3	2	4	6
9	4	5	8	2	5	6	4	3	2	6
10	6	2	1	5	3	5	1	2	5	4
11	2	3	1	2	7	4	5	0	4	4
12	2	3	4	2	5	7	3	3	1	4
Ungraded	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>36</b>	<b>22</b>	<b>22</b>	<b>23</b>	<b>39</b>	<b>34</b>	<b>25</b>	<b>15</b>	<b>27</b>	<b>35</b>

## Open Enrollment (In)

Grade	Enrolled 2009–2010	Enrolled 2010–2011	Enrolled 2011–2012	Enrolled 2012–2013	Enrolled 2013–2014	Enrolled 2014–2015	Enrolled 2015–2016	Enrolled 2016–2017	Enrolled 2017–2018	Enrolled 2018–2019
Prek	0	0	0	0	0	0	0	0	0	0
K	0	0	3	0	0	0	0	0	0	0
1	0	0	1	3	0	0	0	0	0	0



2	0	0	0	1	0	0	0	0	0	0	0
3	0	0	1	0	0	0	0	0	0	0	0
4	0	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0
8	0	0	2	1	0	0	0	0	0	0	0
9	0	0	0	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
11	0	0	1	0	0	0	0	0	0	0	0
12	0	0	0	1	0	0	0	0	0	0	0
Ungraded	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	8	9	0	0	0	0	0	0	0

### Open Enrollment (Out)

Grade	Enrolled 2009–2010	Enrolled 2010–2011	Enrolled 2011–2012	Enrolled 2012–2013	Enrolled 2013–2014	Enrolled 2014–2015	Enrolled 2015–2016	Enrolled 2016–2017	Enrolled 2017–2018	Enrolled 2018–2019
Prek	0	0	0	0	0	0	0	0	0	0
K	0	0	2	0	0	0	0	0	2	1
1	0	0	0	3	1	0	0	0	1	0
2	0	0	0	1	3	1	0	0	0	1
3	0	1	1	0	2	3	1	0	0	0
4	1	0	0	1	0	2	2	1	1	1
5	0	0	0	0	1	0	2	2	0	1
6	0	0	0	1	0	0	0	2	1	0
7	0	1	0	0	1	0	0	0	0	2
8	0	0	2	1	0	1	0	1	0	0
9	1	0	0	1	1	1	1	0	0	2
10	0	1	0	0	1	1	0	0	0	0
11	0	0	1	0	2	1	2	1	1	0
12	0	0	0	1	0	0	1	0	3	0
Ungraded	0	0	0	0	0	0	0	0	0	0
Total	2	3	6	9	12	10	9	7	9	8

### JVS Enrollment

Does your District belong to a JVSD? no

### 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.

## Boundaries

Please list municipalities, townships, and any additional counties within the boundaries of your school district: The City of Wickliffe  
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]

No

## 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

Return To District [Print Report](#)

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