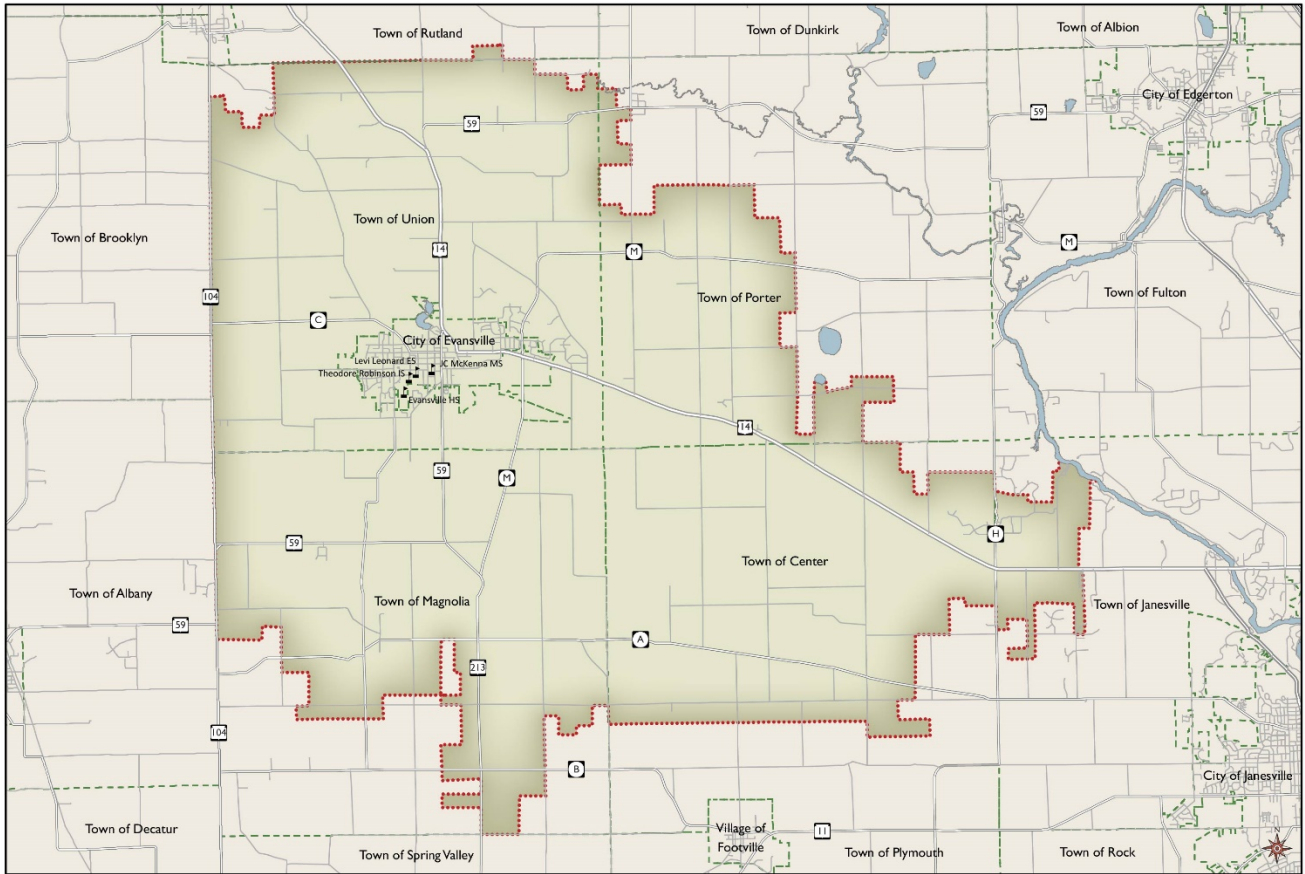


Planning for the Schools of Tomorrow



Evansville Community School District

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- Evansville Schools
- Municipalities
- School District
- Water

Prepared by the Applied Population Laboratory
 University of Wisconsin-Madison
 Department of Community & Environmental Sociology

School Enrollment Projections Series Evansville Community School District

February 2017

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Introduction

This report offers a summary of the Enrollment Projection Analysis completed for the Evansville Community School District by the Applied Population Laboratory, University of Wisconsin-Madison. Projections from 2017/18 to 2026/27 are provided for the district as a whole, and individually for each grade and grade grouping. The projection process uses a combination of historical enrollment data, birth trends and projections, housing starts data, and population trends and projections to create reasonable assumptions about future growth scenarios and the likely impact on the school district.

District Enrollment History

Figure 1-A and Tables 1 and 2 display the last ten years of enrollment history for the Evansville Community School District. District 4K-12 enrollment has increased since 2008/09 by 35 students, or 1.9% increase. This change does include the addition of the 4K program in 2015/16.

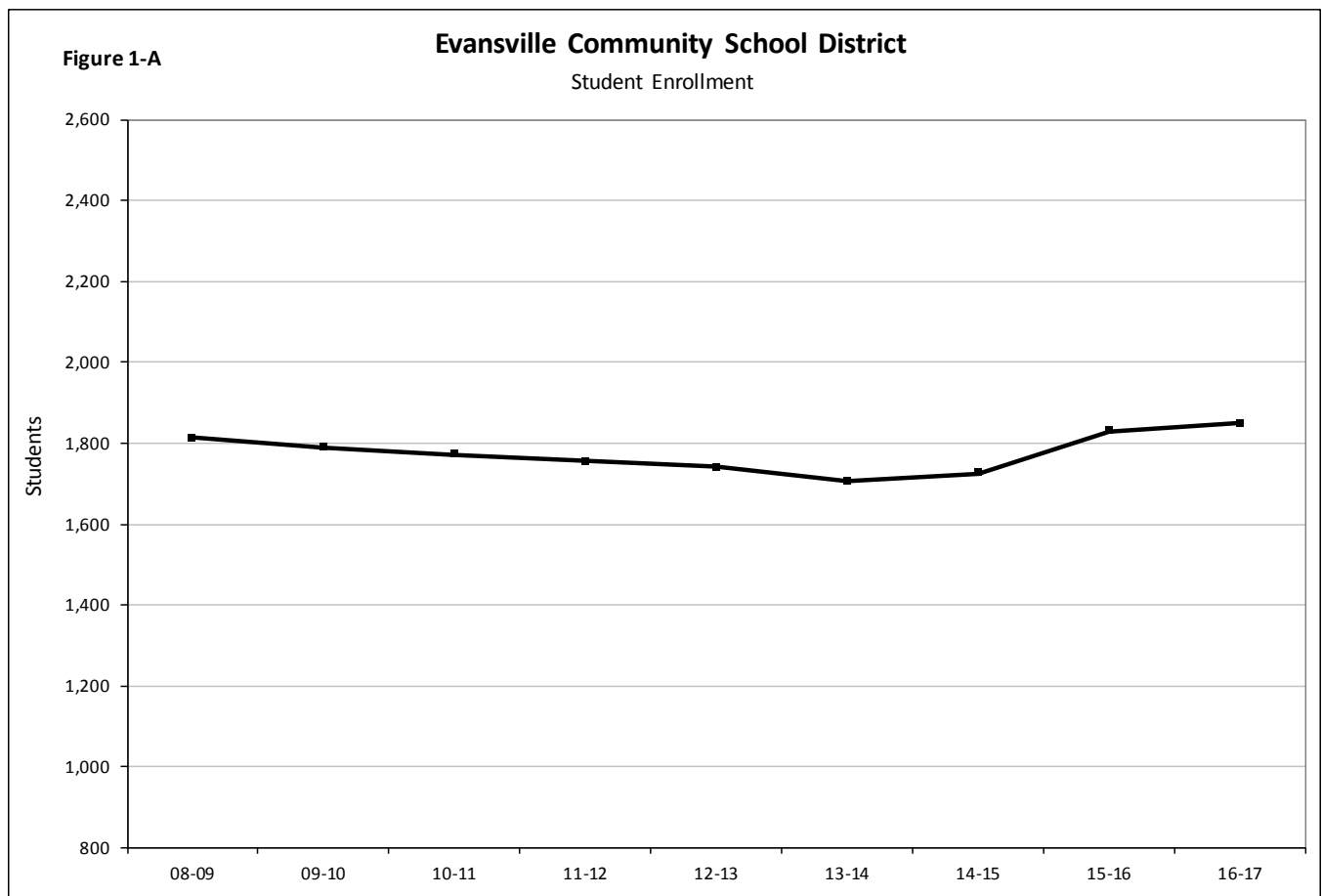


TABLE 1
Student Enrollment
Evansville Community School District

	SCHOOL YEAR								
	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17
4K	0	0	0	0	0	0	0	122	105
K	146	148	131	124	145	104	106	87	122
1	130	154	148	126	122	145	117	146	122
2	139	130	144	143	122	118	143	99	136
3	156	141	138	142	152	121	126	144	107
4	147	151	134	136	140	147	127	120	151
5	130	144	144	138	138	144	139	129	128
6	146	126	144	143	139	138	148	143	129
7	112	146	133	140	144	134	137	147	145
8	135	107	146	136	141	142	135	139	152
9	161	134	115	151	137	144	147	142	137
10	134	154	126	105	144	130	133	141	133
11	133	123	141	128	99	138	128	138	140
12	145	131	127	143	118	100	139	133	142
TOTAL	1,814	1,789	1,771	1,755	1,741	1,705	1,725	1,830	1,849
K-2	415	432	423	393	389	367	366	332	380
3-5	433	436	416	416	430	412	392	393	386
6-8	393	379	423	419	424	414	420	429	426
9-12	573	542	509	527	498	512	547	554	552

TABLE 2
Student Enrollment Changes
Evansville Community School District

GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'08 to '16	'08 to '11	'12 to '16	'08 to '16	'08 to '11	'12 to '16	'08 to '16	'08 to '11	'12 to '16
K	-24	-22	-23	-16.4	-15.1	-15.9	-1.8	-3.8	-4.0
1	-8	-4	0	-6.2	-3.1	0.0	-0.7	-0.8	0.0
2	-3	4	14	-2.2	2.9	11.5	-0.2	0.7	2.9
3	-49	-14	-45	-31.4	-9.0	-29.6	-3.5	-2.2	-7.4
4	4	-11	11	2.7	-7.5	7.9	0.3	-1.9	2.0
5	-2	8	-10	-1.5	6.2	-7.2	-0.2	1.5	-1.8
6	-17	-3	-10	-11.6	-2.1	-7.2	-1.3	-0.5	-1.8
7	33	28	1	29.5	25.0	0.7	3.3	6.3	0.2
8	17	1	11	12.6	0.7	7.8	1.4	0.2	2.0
9	-24	-10	0	-14.9	-6.2	0.0	-1.7	-1.6	0.0
10	-1	-29	-11	-0.7	-21.6	-7.6	-0.1	-5.4	-1.9
11	7	-5	41	5.3	-3.8	41.4	0.6	-0.9	10.4
12	-3	-2	24	-2.1	-1.4	20.3	-0.2	-0.3	5.1
TOTAL	35	-59	108	1.9	-3.3	6.2	0.2	-0.8	1.6
K-2	-35	-22	-9	-8.4	-5.3	-2.3	-0.9	-1.3	-0.6
3-5	-47	-17	-44	-10.9	-3.9	-10.2	-1.2	-1.0	-2.6
6-8	33	26	2	8.4	6.6	0.5	0.9	1.7	0.1
9-12	-21	-46	54	-3.7	-8.0	10.8	-0.4	-2.0	2.7



Figure 1-B shows enrollment history broken down by grade groupings (4K, K-2, 3-5, 6-8, and 9-12). Grades K-2 enrollment has decreased over the last ten years by 0.9% annually, and grades 3-5 have decreased by 1.2% annually. Grades 6-8 enrollment has increased by 0.9% annually the past ten years, while high school enrollment has decreased slightly by 0.4% annually.

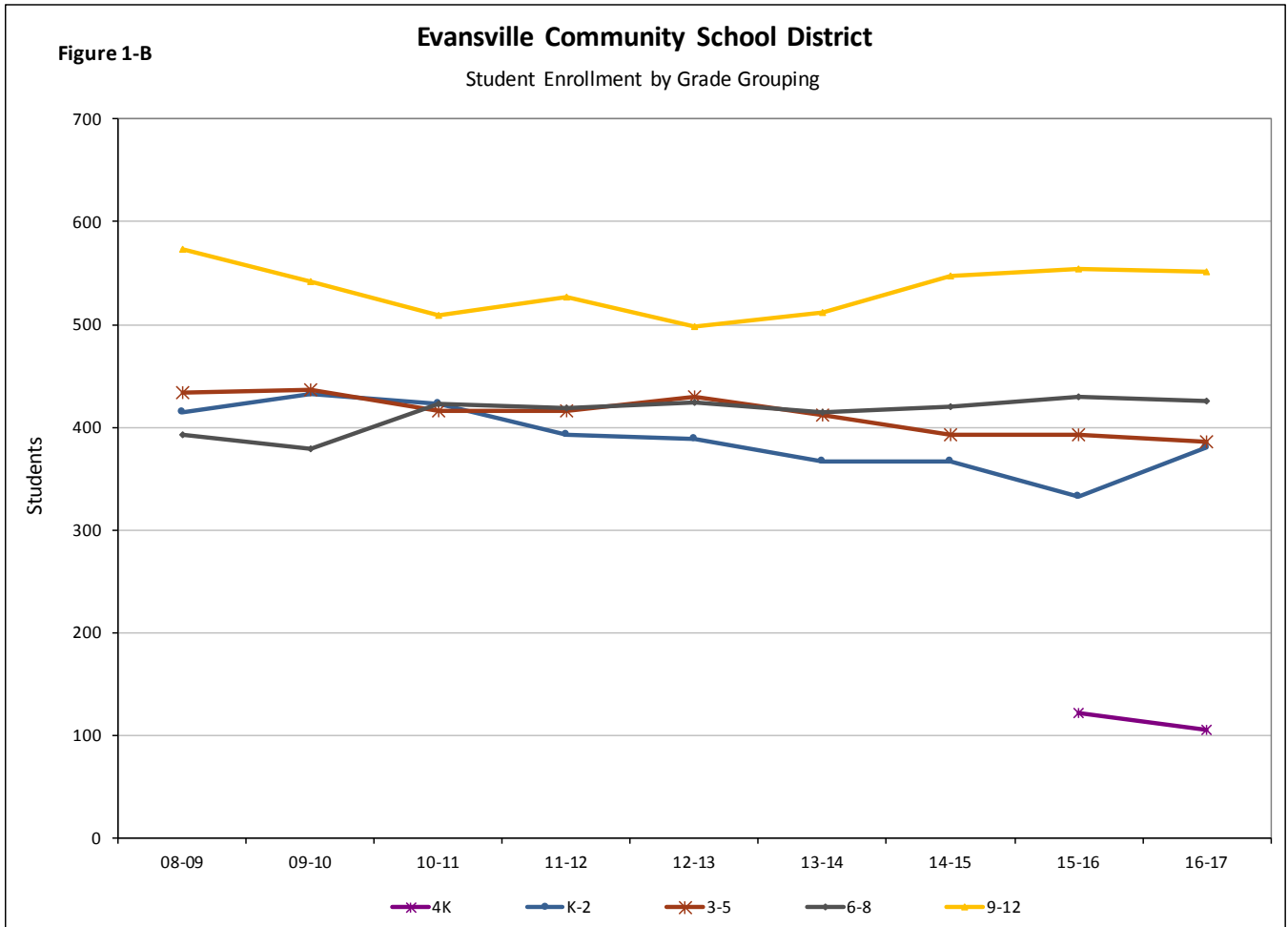
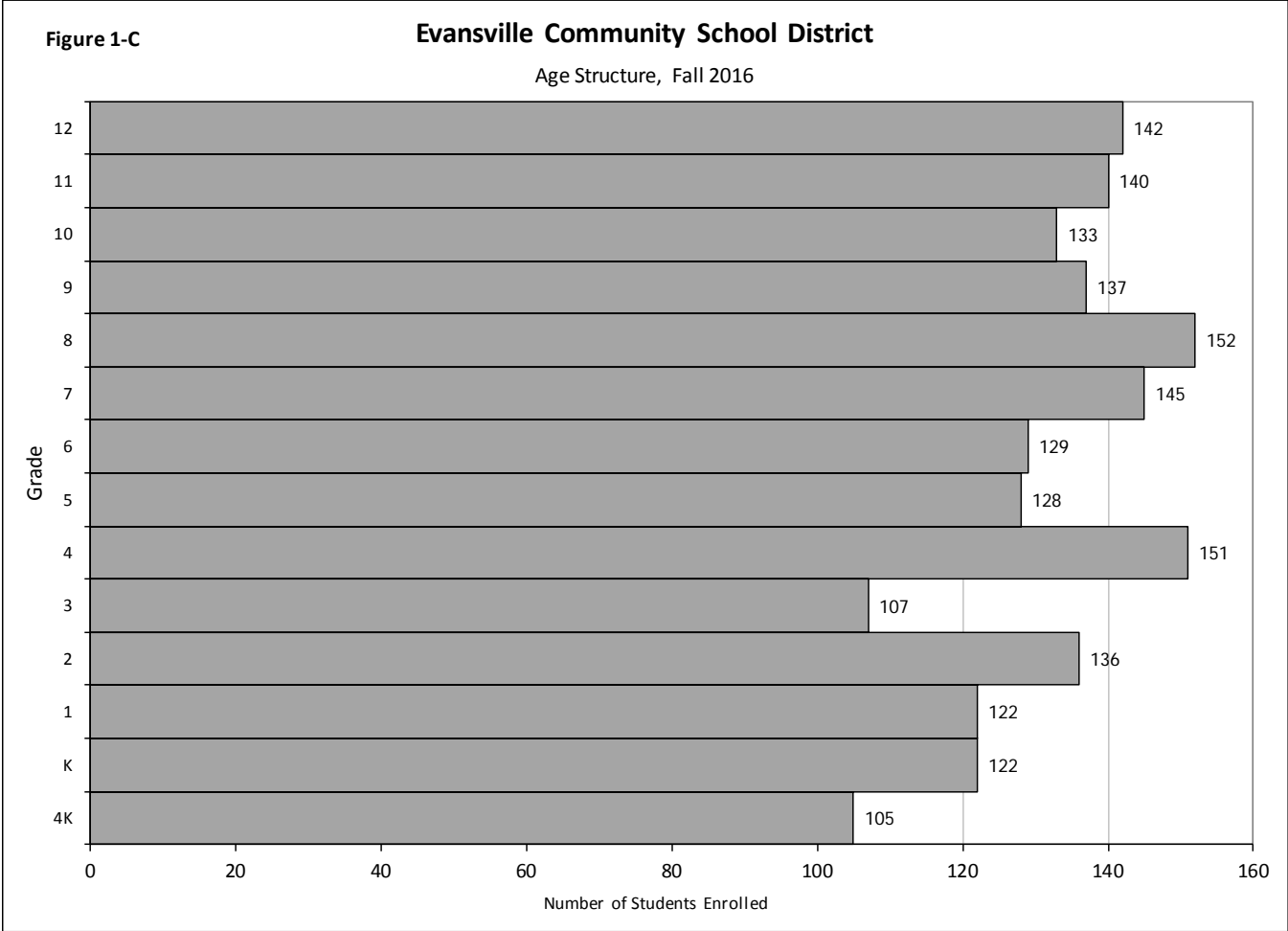
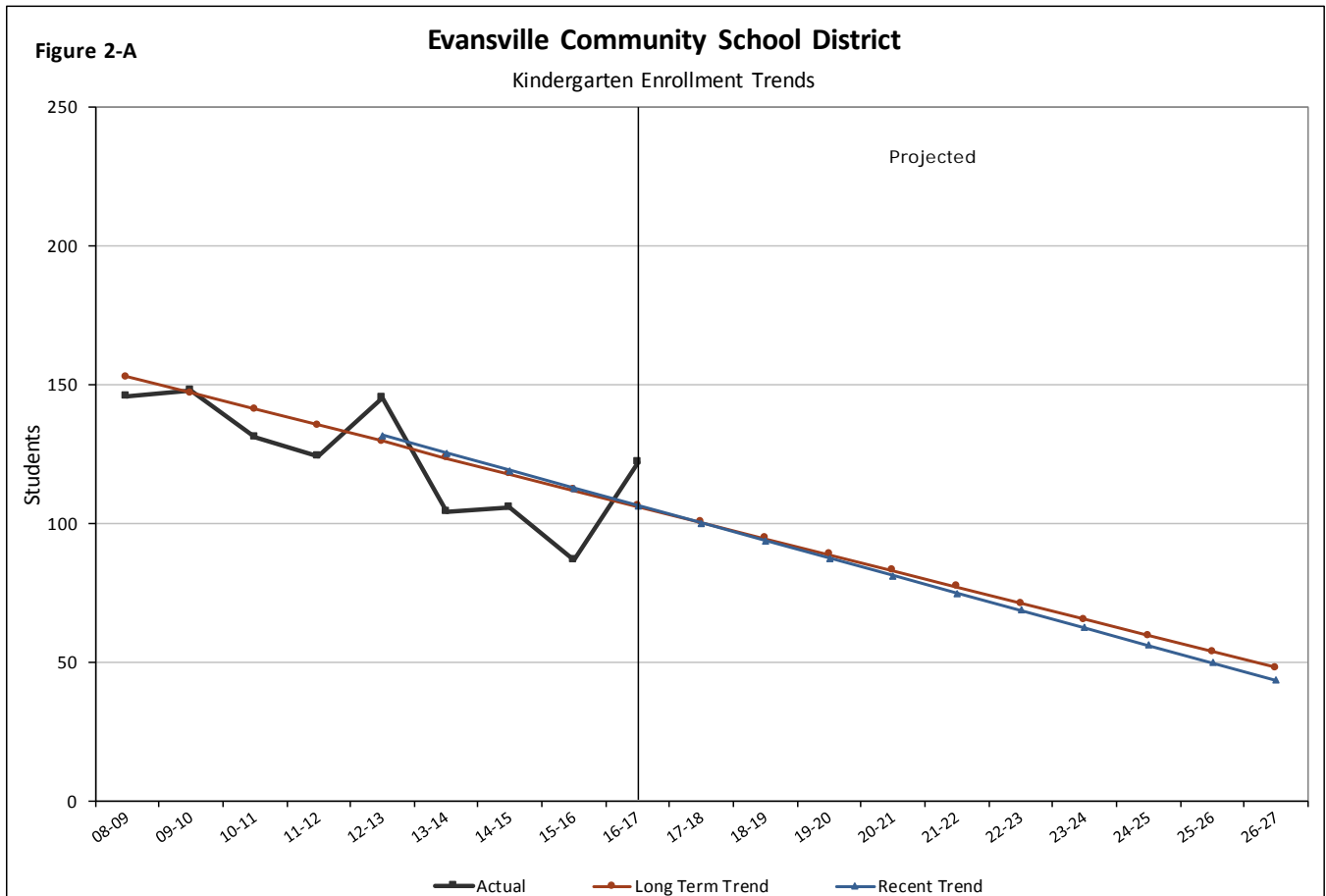


Figure 1-C shows the age structure in Fall 2016 of the student population with the number of 4 year old kindergarteners at the bottom and the number of 12th graders at top. The 4K and 3rd grade classes are the smallest in 2016/17. The largest grades this school year include 4th and 8th grades.

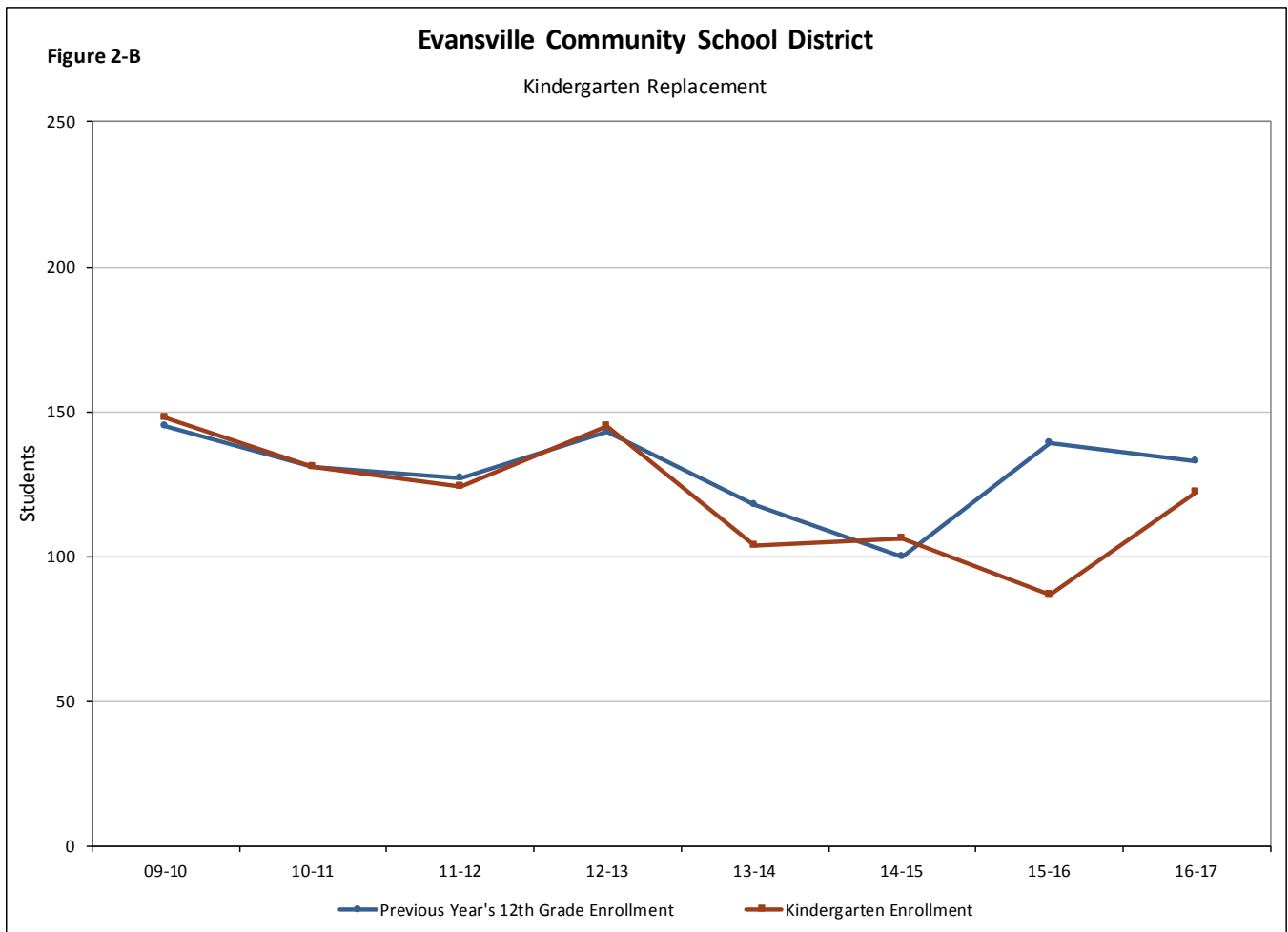


Kindergarten Enrollment Trends

Examining trends in kindergarten enrollment is particularly informative for gaining perspective on future district enrollment, as today’s kindergarteners will gradually make up tomorrow’s students at the higher grade levels as they age and move through the school system. When kindergarten enrollment is decreasing, elementary and middle school enrollment might be expected to decrease in the near future, while high school enrollment may decrease further in the future. Figure 2-A shows kindergarten enrollment history in black, and trend lines depicting kindergarten enrollment in red and blue. The “Long Term Trend” line (shown in red) averages kindergarten enrollment changes between 2008/09 and 2016/17. The “Recent Trend” line emphasizes kindergarten enrollment changes over the last five years. In the Evansville Community School District, both trend lines show decreasing enrollment. Starting in the 2014/15 school year, the K-1 class greatly affected the Kindergarten class size. Even while factoring that in, the Kindergarten class had been decreasing for some time.



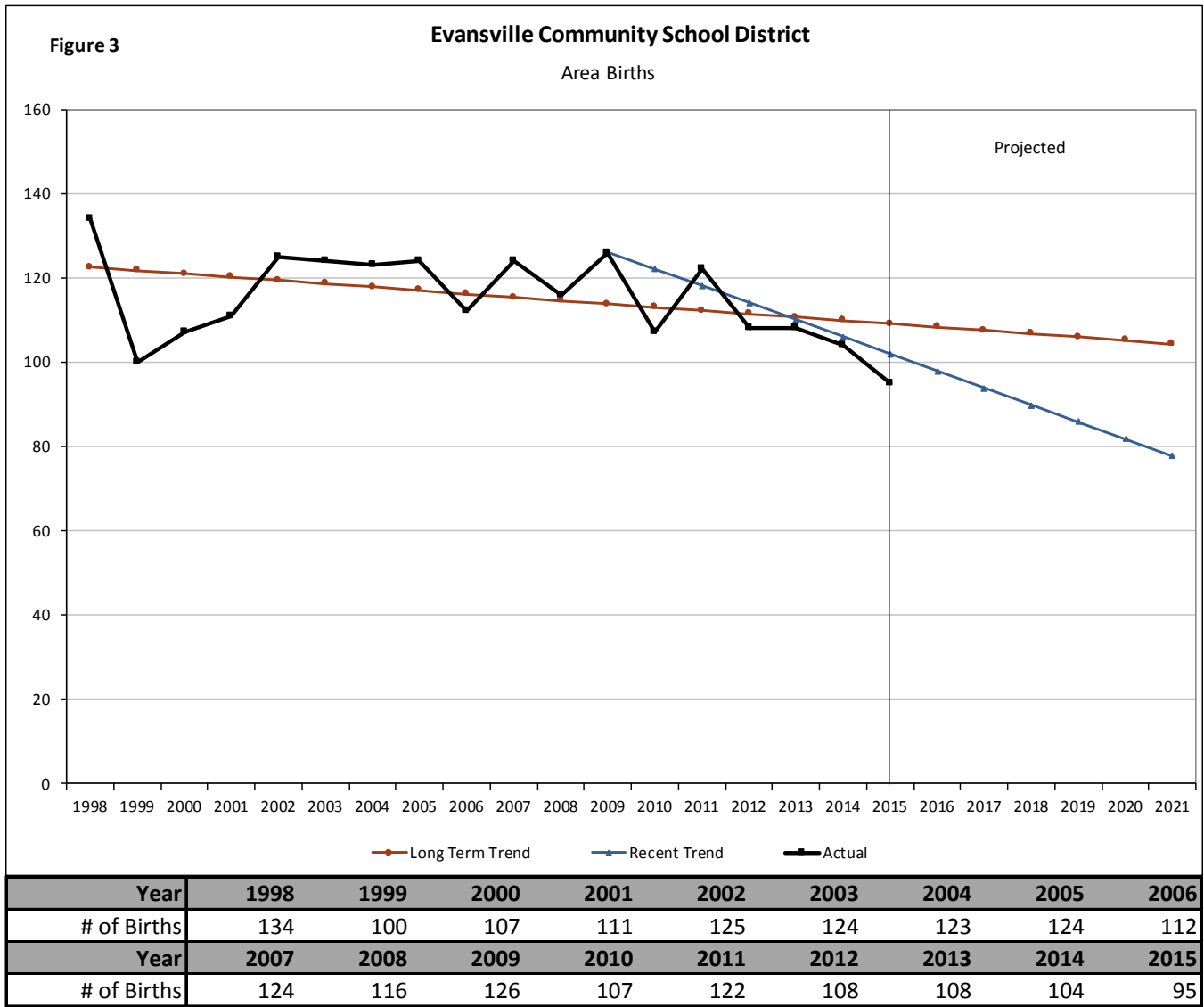
In addition to examining kindergarten enrollment on its own, comparing kindergarten enrollment to outgoing 12th graders offers a snapshot of how the age structure of district enrollment is shifting either from older to younger, or younger to older. Districts tend to experience overall growth when kindergarten enrollment outpaces outgoing students, and they tend to experience decline when kindergarteners do not fully replace the number of graduates. In the Evansville Community School District, the numbers of kindergarteners and outgoing 12th graders have fluctuated during this time period. Again, the addition of the K-1 class has had some effect on this.



Birth Trends and Projections

We use historical and projected birth data to forecast the number of kindergarten students who will enroll in the Evansville Community School District in the future years. Figure 3 shows (in black) the number of births to mothers living in municipalities that fall within school district boundaries, by year, from 1998-2015, as collected from the Wisconsin Department of Health Services. We count resident births from the City of Evansville plus the surrounding towns.

We extrapolate these birth trends into the future to correspond with our Baseline and Recent Trend projection models, using the B:K grade progression ratios to transform births into future kindergarteners. The red line in Figure 3 represents birth trends over the longer term (between 1998 and 2015). The blue line examines birth patterns for the last seven years and corresponds to the recent trend projection models shown later in this report.



Source: WI Department of Health Services



Population Trends

This section examines population trends of the recent past for municipalities that fall within the Evansville Community School District extent. Changes in the total population of the district area, particularly when examined by age, provide clues into how the school age population may be changing.

Table 3 and Figure 4-A provide the Census population counts for 2010 and Wisconsin Department of Administration (DOA) estimates for district area municipalities from 2011 to 2016. These municipal populations can be compared to Rock County and the State of Wisconsin. The municipalities in the district area grew 1.7% from 2010 to 2016.

TABLE 3
Total Population by Municipality: 2010-2016
Evansville Community School District

Municipality	POPULATION						
	Census 2010	est. 2011	est. 2012	est. 2013	est. 2014	est. 2015	est. 2016
C.Evansville	5,012	5,033	5,051	5,070	5,124	5,135	5,190
T.Center	1,066	1,065	1,063	1,060	1,058	1,055	1,054
T.Magnolia	767	766	763	757	756	755	754
T.Porter	945	950	956	958	960	955	955
T.Union	2,099	2,097	2,101	2,098	2,109	2,109	2,109
District Area	9,889	9,911	9,934	9,943	10,007	10,009	10,062
Rock County	160,331	160,287	160,129	160,148	160,104	160,059	159,886
State of Wisconsin	5,686,986	5,694,236	5,703,525	5,717,110	5,732,981	5,753,324	5,775,120

Municipality	PERCENT CHANGE						
	2010 to 2011	2011 to 2012	2012 to 2013	2013 to 2014	2014 to 2015	2015 to 2016	2010 to 2016
C.Evansville	0.4%	0.4%	0.4%	1.1%	0.2%	1.1%	3.6%
T.Center	-0.1%	-0.2%	-0.3%	-0.2%	-0.3%	-0.1%	-1.1%
T.Magnolia	-0.1%	-0.4%	-0.8%	-0.1%	-0.1%	-0.1%	-1.7%
T.Porter	0.5%	0.6%	0.2%	0.2%	-0.5%	0.0%	1.1%
T.Union	-0.1%	0.2%	-0.1%	0.5%	0.0%	0.0%	0.5%
District Area	0.2%	0.2%	0.1%	0.6%	0.0%	0.5%	1.7%
Rock County	0.0%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.3%
State of Wisconsin	0.1%	0.2%	0.2%	0.3%	0.4%	0.4%	1.5%

Source: U. S. Census Bureau & Demographic Services Center, WIDOA



Figure 4-A

Evansville Community School District

Population for Area Municipalities

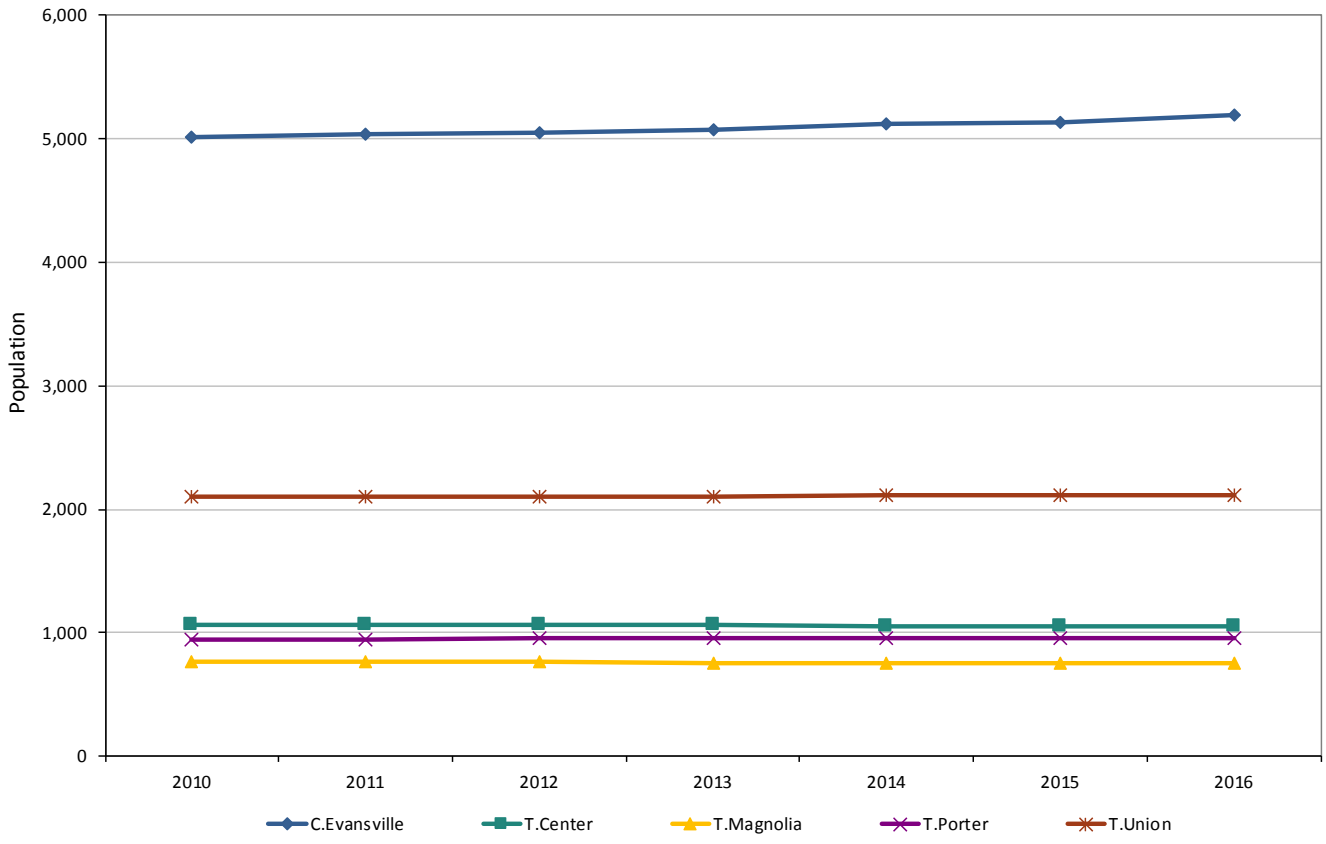


Table 4 and Figure 4-B illustrate the population for the school district showing the change in age structure between the population estimates for 2009 and the population estimates for 2015. In the school district, the number of children in age groups 0-9 increased. There was a significant population increase also in age groups 50 to 59.

TABLE 4
Population by Age and Gender, 2010-2015
Evansville Community School District

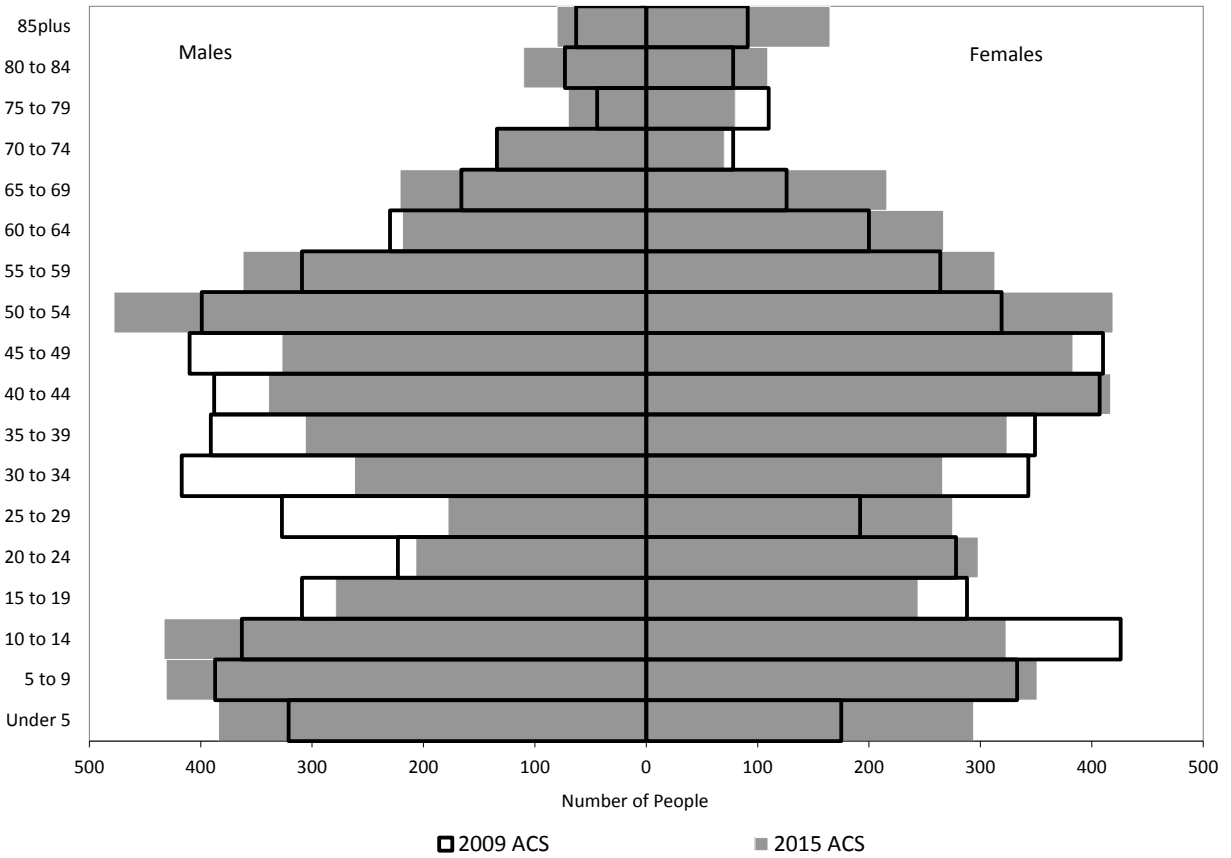
Age	2009 Estimates			Age	2015 Estimate		
	Males	Females	Total		Males	Females	Total
Under 5	321	175	496	Under 5	384	294	678
5 to 9	387	333	720	5 to 9	431	351	782
10 to 14	363	426	789	10 to 14	433	323	756
15 to 19	309	288	597	15 to 19	279	244	523
20 to 24	223	278	501	20 to 24	207	298	505
25 to 29	327	192	519	25 to 29	178	275	453
30 to 34	417	343	760	30 to 34	262	266	528
35 to 39	391	349	740	35 to 39	306	324	630
40 to 44	388	407	795	40 to 44	339	417	756
45 to 49	410	410	820	45 to 49	327	383	710
50 to 54	399	319	718	50 to 54	478	419	897
55 to 59	309	264	573	55 to 59	362	313	675
60 to 64	230	200	430	60 to 64	219	267	486
65 to 69	166	126	292	65 to 69	221	216	437
70 to 74	134	78	212	70 to 74	136	70	206
75 to 79	44	110	154	75 to 79	70	80	150
80 to 84	73	78	151	80 to 84	110	109	219
85plus	63	91	154	85plus	80	165	245
	4,954	4,467	9,421		4,822	4,814	9,636

Source: American Community Survey



Figure 4-B

Evansville Community School Age Structure



Past Housing Development

Table 5 shows the number of housing starts in the Evansville Community School District over the past ten years. Area housing starts have fluctuated from a high of 42 single family homes in 2006, to a low of 15 new single family housing starts in 2014. The housing totals in the table do include the entire municipality although only a portion of the towns are in the school district.

TABLE 5
School District Area Housing Starts
Evansville Community School District

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
District Area										
TOTAL	44	47	23	22	19	22	20	29	25	41
Single Family	42	33	21	16	17	22	20	17	15	31
Two Family	2	2	2	6	2	0	0	12	10	10
Multi-family	0	12	0	0	0	0	0	0	0	0
C.Evansville										
TOTAL	28	37	10	16	13	16	18	23	21	35
Single Family	26	23	8	10	11	16	18	11	11	25
Two Family	2	2	2	6	2	0	0	12	10	10
Multi-family	0	12	0	0	0	0	0	0	0	0
T.Center										
TOTAL	7	4	2	4	0	1	0	0	0	2
Single Family	7	4	2	4	0	1	0	0	0	2
Two Family	0	0	0	0	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0
T.Magnolia										
TOTAL	1	2	1	1	1	0	0	2	1	1
Single Family	1	2	1	1	1	0	0	2	1	1
Two Family	0	0	0	0	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0
T.Porter										
TOTAL	2	3	5	0	3	3	2	2	1	2
Single Family	2	3	5	0	3	3	2	2	1	2
Two Family	0	0	0	0	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0
T.Union										
TOTAL	6	1	5	1	2	2	0	2	2	1
Single Family	6	1	5	1	2	2	0	2	2	1
Two Family	0	0	0	0	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0

Source: Demographic Services Center, WIDOA



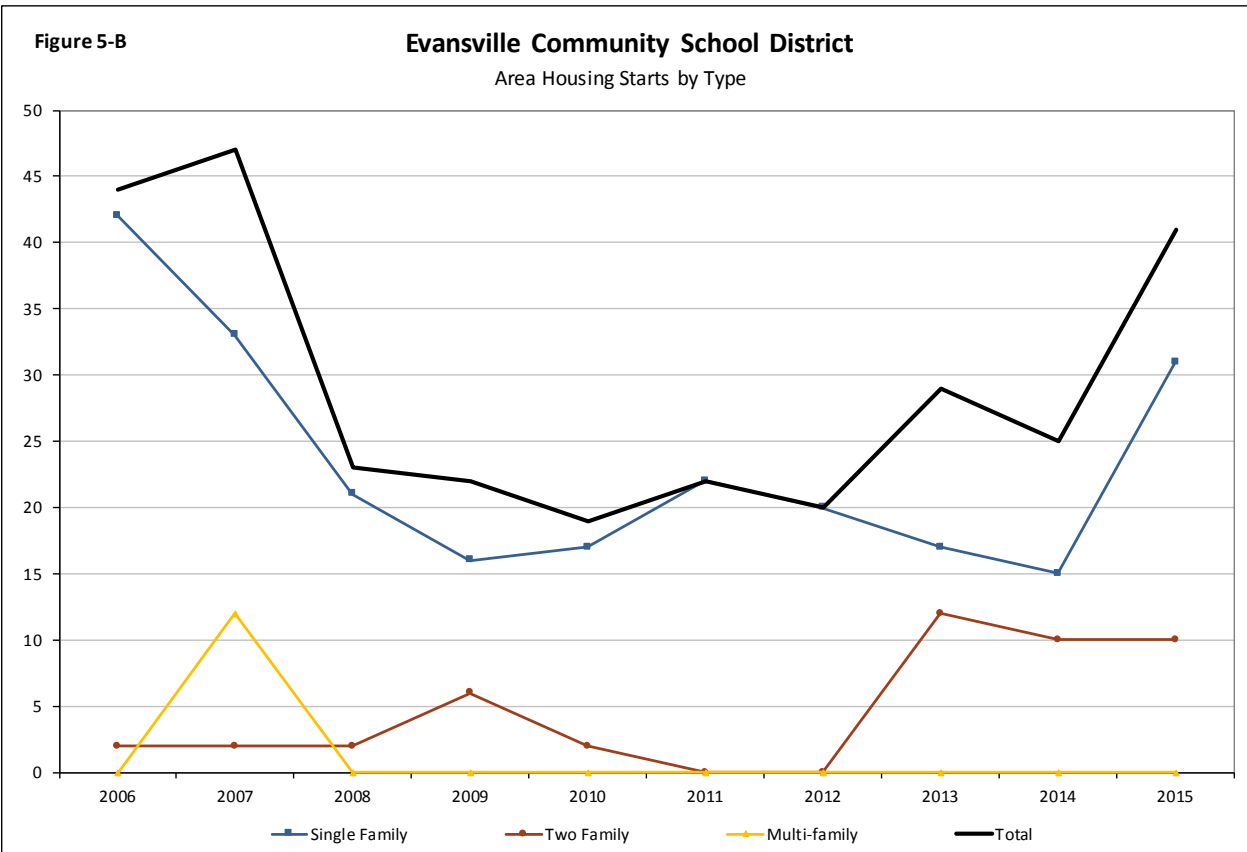
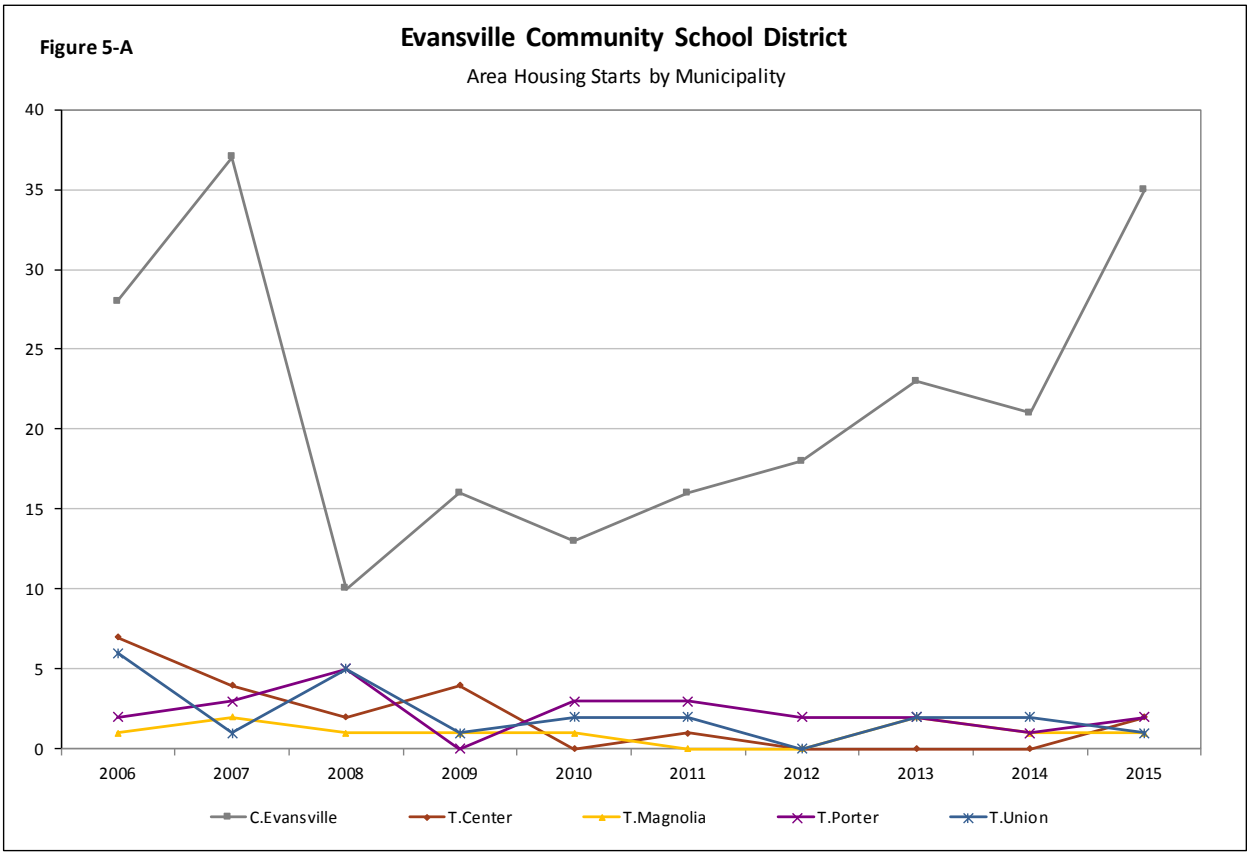
Examining trends in recent housing development can help to explain how in-migration into the Evansville Community School District area might be affecting school enrollment. If the number of housing starts in the district area is expected to be reasonably consistent for the next several years, then we assume that in-migration of school-age children will also remain relatively consistent. If the number of housing starts is expected to increase significantly above and beyond recent levels, in-migration may play an increasing role in school district enrollment. However, it is important to recognize that the number of housing starts in any given year is dependent upon a large number of confounding variables (decisions of local, county, and state policy makers, residential developers, interest rates, demand for housing, etc.), making future growth patterns difficult to predict.

The majority of housing development over the last ten years has occurred in the City of Evansville. Most of the development in the area has consisted of single-family homes. Households in single family homes, on average, contain more school-aged children than in two-family and multi-family complexes. The entire district area has experienced a decline in housing development, but the number of new single family homes has picked back up in 2015.

It is also important to consider that turnover in ownership of existing housing stock also contributes to changes in enrollment. A district can maintain or even increase enrollment depending upon the cycle of resident homeowners, regardless of housing starts. For instance, a younger community will have a higher child-per-household ratio, whereas an older community will have a lower child-per-household ration. However, within a few years a turnover in ownership in an older community may result in an increase in the child-per-household number. As younger families move into the area, the school district will tend to see new students enrolling into the district's schools. Absent new housing development or housing turnover, families age in place and the number of school-aged children eventually declines. Turnover in ownership does not happen overnight, however, and slow turnover may happen for several years at varying rates.

Figure 5-A shows the number of residential building permits issued by municipality for communities that fall within the Evansville School District. Figure 5-B shows housing starts in the area by type of housing unit—single family home, duplex, and multi-family housing unit.





Method

In order to generate school enrollment projections, we rely on a commonly used demographic technique called the “cohort survival” method or the “grade progression ratio” method. This method advances current students through the school system over time and applies rates of transfer (or “survival”) as the students who are now in school age from year to year and grade to grade. It is through these rates of transfer that we make assumptions about how migration into and out of the district and transfers to and from different schools or home schooling will impact future enrollment.

Grade Progression Ratios

Grade progression ratios are used to measure district enrollment changes, year to year and grade to grade that have occurred within the school district in the recent past. By examining these, we can better understand recent changes in enrollment. We use these ratios as the rates of transfer to inform future student projections.

Table 6 shows the grade progression ratios for the Evansville Community School District. The ratios measure the effects of in- and out-migration and the transfer of students between private and public schools. The ratios are calculated for several pairs of years and then averages of these based on different time frames are calculated for each grade.

TABLE 6
Grade Progression Ratios
Evansville Community School District

YEAR CHANGES	B: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
08-09/09-10	1.190	1.055	1.000	1.014	0.968	0.980	0.969	1.000	0.955	0.993	0.957	0.918	0.985
09-10/10-11	1.062	1.000	0.935	1.062	0.950	0.954	1.000	1.056	1.000	1.075	0.940	0.916	1.033
10-11/11-12	1.003	0.962	0.966	0.986	0.986	1.030	0.993	0.972	1.023	1.034	0.913	1.016	1.014
11-12/12-13	1.250	0.984	0.968	1.063	0.986	1.015	1.007	1.007	1.007	1.007	0.954	0.943	0.922
12-13/13-14	0.867	1.000	0.967	0.992	0.967	1.029	1.000	0.964	0.986	1.021	0.949	0.958	1.010
13-14/14-15	0.893	1.125	0.986	1.068	1.050	0.946	1.028	0.993	1.007	1.035	0.924	0.985	1.007
14-15/15-16	0.709	1.377	0.846	1.007	0.952	1.016	1.029	0.993	1.015	1.052	0.959	1.038	1.039
15-16/16-17	1.076	1.402	0.932	1.081	1.049	1.067	1.000	1.014	1.034	0.986	0.937	0.993	1.029
Baseline	0.980	1.021	0.959	1.043	0.968	1.014	1.000	0.997	1.006	1.030	0.947	0.970	1.017
5 Year Trend	0.959	1.178	0.940	1.042	1.001	1.014	1.013	0.994	1.010	1.020	0.944	0.983	1.001
2 Year "Trend"	0.893	1.390	0.889	1.044	1.000	1.041	1.014	1.004	1.024	1.019	0.948	1.015	1.034

*Shaded progression ratios are excluded from the Baseline Average

The grade progression ratios can be interpreted in the following manner. The Baseline ratio for K:1 is 1.021. This means that in the school district, the first grade class is on average 2.1% larger each year than the kindergarten class was the previous year (the result of transfers from other schools and in-migration into the district). The B:K Baseline ratio of 0.980 indicates that, on average, approximately 98% of area births attend kindergarten five years later.



In order to predict future enrollment under different growth assumptions, three sets of grade progression ratios are calculated:

- Baseline: averages the past ten years of progression ratios, with outlying ratios (those outside of one standard deviation of the mean) excluded;
- Five-year Trend: averages the past five years of progression ratios with no exclusions;
- Two-year Trend: averages the past two years of progression ratios with no exclusions.

These short-, medium- and long-range bases produce varying projections that indicate a range of likely enrollment outcomes in the future. Figure 6 shows the differences between these three sets of grade progression ratios.

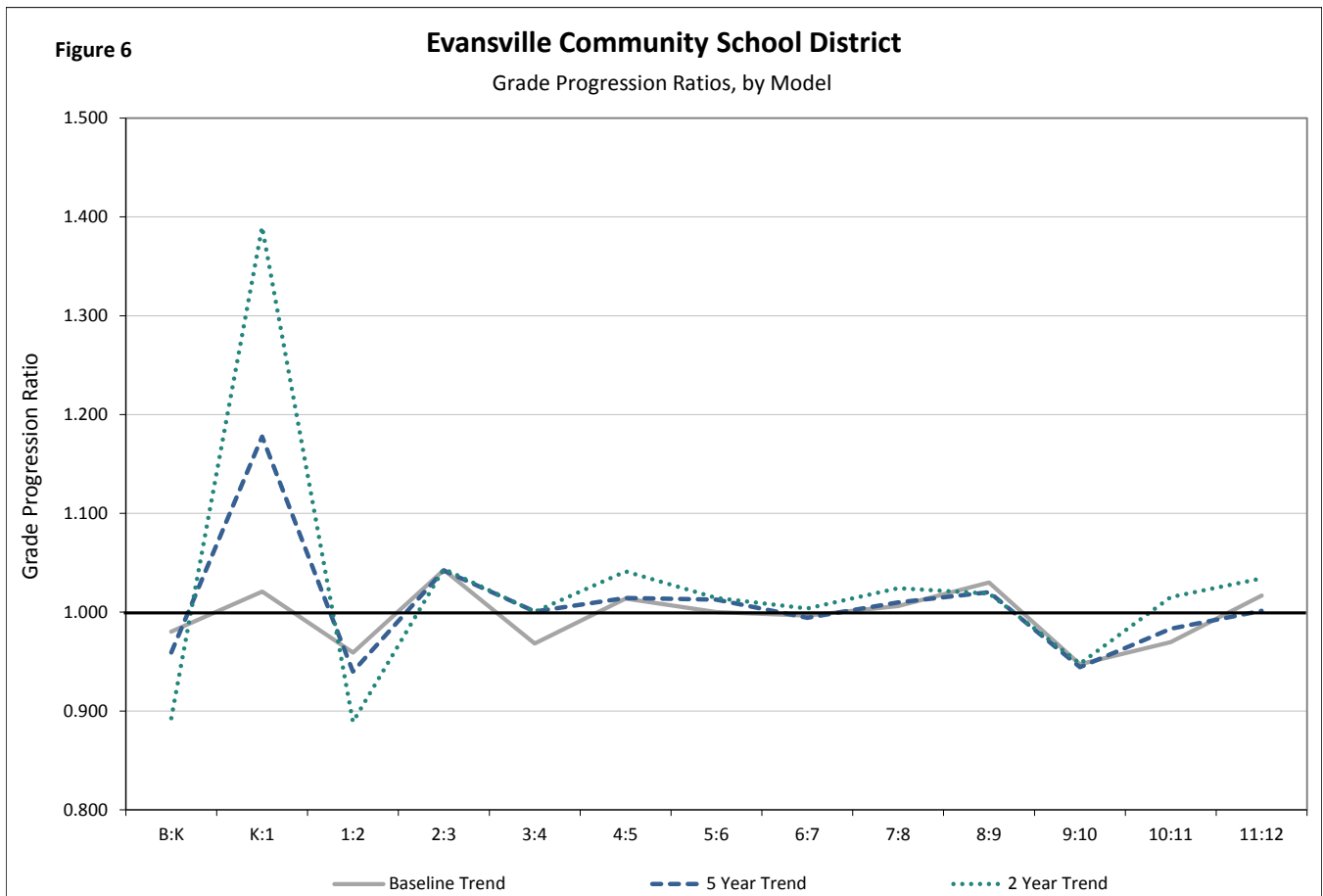


Table 7 shows the observed transfer ratio between birth and 4K and between 4K and kindergarten for the last two years. To generate 4K enrollment projections, the 2 Year “Trend” average will be used to project 4K enrollment in all projection models. 4K:K ratios are provided but not used to determine kindergarten enrollment in any of the projections models.

TABLE 7
4K Grade Progression Ratios
Evansville Community School District

	B:4K	4K:K
14-15/15-16	1.076	-
15-16/16-17	0.898	1.000
2 Year "Tend"	0.987	1.000



School Enrollment Projections

When considering all of the projections provided in this report for decision-making, it is important to recognize that population projections of all types, including school enrollment projections, are more accurate in the immediate future than they are further into the future. This is especially true for grades K-5, because the students who will enter kindergarten after 2020 have not yet been born. Overall, our projections are more reliable over the next five years (up to the 2021/22 school year) than they are in the latter half of the next decade.

Baseline Projections

The Baseline model (Table 8) projects enrollments using the assumption that average trends year to year, grade to grade, will continue into the future. This model assumes that long term (past ten years) trends in enrollment, migration, and births will be representative of future trends in the district. This model projects that 4K-12 enrollment will decrease over the next five years, decreasing from 1,849 students in 2016/17 to 1,656 students in 2021/22. This is a decrease of 193 students over the next five years.

TABLE 8
Baseline Projection Model
Evansville Community School District

	SCHOOL YEAR									
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27
4K	107	104	97	102	106	105	104	103	102	102
K	110	106	103	96	102	106	105	104	103	103
1	125	113	108	105	98	104	108	107	106	105
2	117	119	108	104	101	94	100	103	103	102
3	142	122	125	113	108	105	98	104	108	107
4	104	137	118	121	109	105	102	95	101	104
5	153	105	139	120	122	111	106	103	96	102
6	128	153	105	139	120	122	111	106	103	96
7	129	128	153	105	139	119	122	110	106	103
8	146	129	128	154	105	140	120	123	111	106
9	157	150	133	132	158	108	144	124	126	114
10	130	148	142	126	125	150	103	136	117	120
11	129	126	144	138	122	121	145	100	132	114
12	142	131	128	146	140	124	123	148	101	134
TOTAL	1,817	1,772	1,731	1,700	1,656	1,614	1,590	1,566	1,516	1,513
K-2	352	338	319	305	301	304	312	315	312	310
3-5	398	364	382	353	340	321	306	302	305	313
6-8	402	410	386	397	364	381	353	339	320	306
9-12	558	556	547	543	546	504	515	507	477	482



5 Year Trend Projections

The 5 Year Trend model (Table 9) uses the grade progression ratios from the last five years and recent birth trends in the school district area to project what future enrollments would look like if more recent patterns were representative of future trends. With recent migration rates and birth trends weighted more heavily, 4K-12 enrollment in the Evansville Community School District is projected to decrease from 1,849 students in 2016/17 to 1,721 students in 2021/22. This is a decrease of 128 students over the next five years.

TABLE 9
5 Year Trend Projection Model
Evansville Community School District

GRADE	SCHOOL YEAR									
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27
4K	107	104	97	96	94	90	86	82	78	74
K	108	104	101	94	93	91	87	84	80	76
1	144	127	122	119	111	109	108	103	98	94
2	115	135	120	115	112	104	103	101	97	93
3	142	119	141	125	119	117	108	107	105	101
4	107	142	120	141	125	120	117	109	107	105
5	153	109	144	121	143	127	121	118	110	109
6	130	155	110	146	123	145	128	123	120	111
7	128	129	154	109	145	122	144	127	122	119
8	146	130	130	156	110	146	123	145	129	123
9	155	149	132	133	159	113	149	126	148	131
10	129	146	141	125	125	150	106	141	119	140
11	131	127	144	139	123	123	148	105	139	117
12	140	131	127	144	139	123	123	148	105	139
TOTAL	1,835	1,807	1,782	1,761	1,721	1,679	1,652	1,618	1,556	1,532
K-2	366	366	343	328	315	305	298	288	275	262
3-5	402	370	404	387	387	363	346	334	323	315
6-8	404	414	394	411	378	413	395	395	371	354
9-12	555	554	545	541	546	509	527	519	510	527



2 Year "Trend" Projections

The 2 Year "Trend" model (Table 10) uses the grade progression ratios from the last two years to project what future enrollments would look like if even more recent patterns were representative of future trends. For the 2 Year "Trend" model, 4K-12 enrollment is projected to decrease from 1,849 students in 2016/17 to 1,799 students in 2021/22. This is a decrease of 50 students over the next five years.

TABLE 10
2 Year "Trend" Projection Model
Evansville Community School District

GRADE	SCHOOL YEAR									
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27
4K	107	104	97	96	94	90	86	82	78	74
K	101	96	94	88	87	85	81	78	74	71
1	170	140	134	131	122	120	118	113	108	103
2	108	151	124	119	116	108	107	105	101	96
3	142	113	157	130	124	121	113	112	110	105
4	107	142	113	157	130	124	121	113	112	110
5	157	111	148	118	164	135	130	126	118	116
6	130	159	113	150	120	166	137	131	128	119
7	129	130	160	113	151	120	167	138	132	129
8	149	133	133	164	116	154	123	171	141	135
9	155	151	135	136	167	118	157	125	174	144
10	130	147	143	128	129	158	112	149	119	165
11	135	132	149	146	130	131	161	114	151	121
12	145	140	136	154	151	134	135	166	118	156
TOTAL	1,864	1,850	1,838	1,829	1,799	1,767	1,748	1,723	1,663	1,643
K-2	379	387	352	337	324	313	306	296	283	270
3-5	406	367	418	405	418	381	364	351	339	331
6-8	408	422	407	427	386	441	427	440	401	383
9-12	565	570	564	564	576	542	565	554	562	586



Comparison of Projection Models

Figures 7-11 and Tables 11-15 compare the four enrollment projection models broken down by total 4K-12 district enrollment and by grade groupings (K-2, 3-5, 6-8 and 9-12).

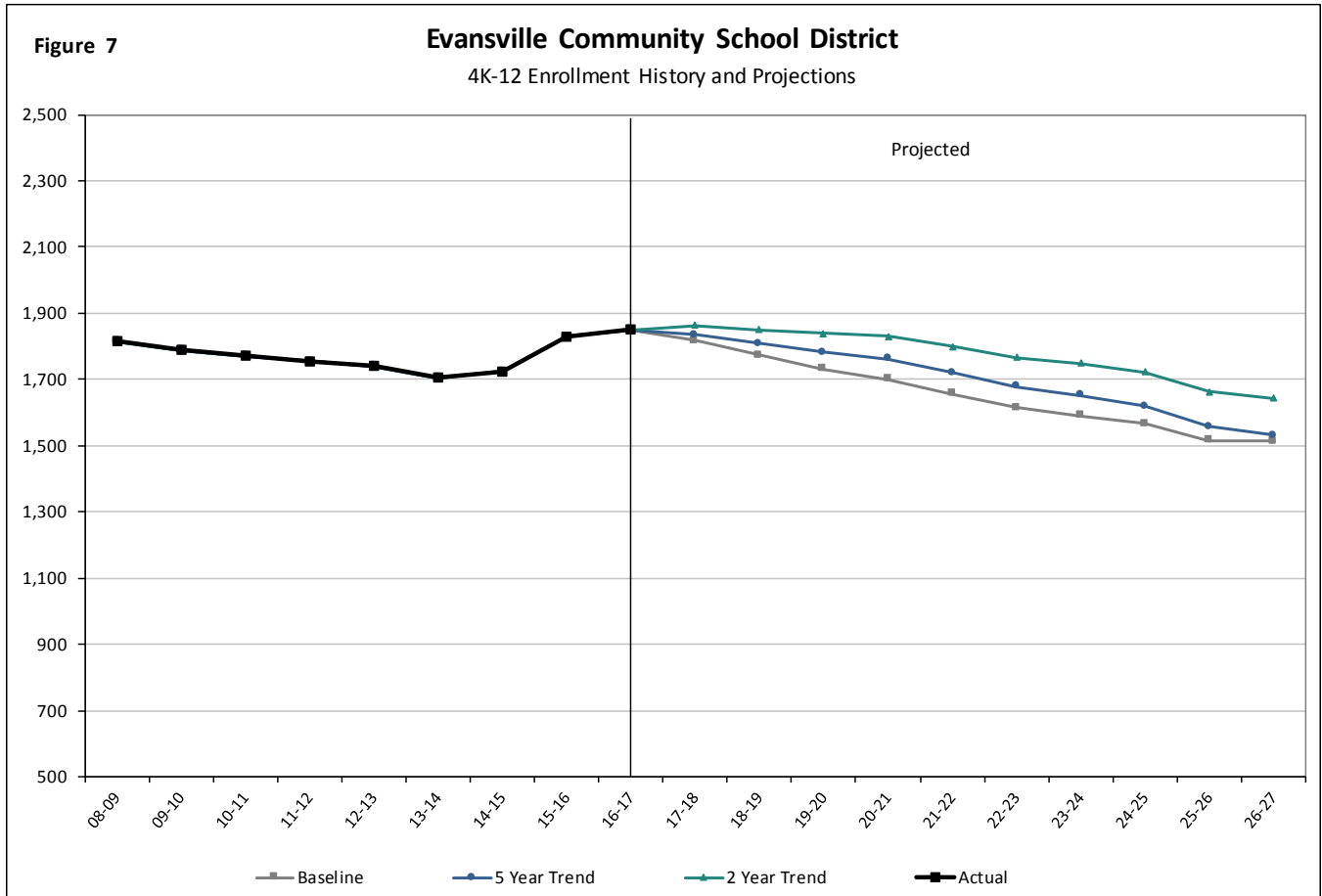


TABLE 11
Summary of 4K-12 Enrollment Projections
 Evansville Community School District

	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27
Baseline	1,817	1,772	1,731	1,700	1,656	1,614	1,590	1,566	1,516	1,513
5 Year Trend	1,835	1,807	1,782	1,761	1,721	1,679	1,652	1,618	1,556	1,532
2 Year "Trend"	1,864	1,850	1,838	1,829	1,799	1,767	1,748	1,723	1,663	1,643

4K-12 enrollment is 1,849 in 2016/17. All three projections models forecast a decline in enrollment over the next five years, with the 2 Year "Trend" projecting the least amount of enrollment decline. 4K-12 enrollment projections five years from now (2021/22) forecast a range of enrollment from 1,656 to 1,799.



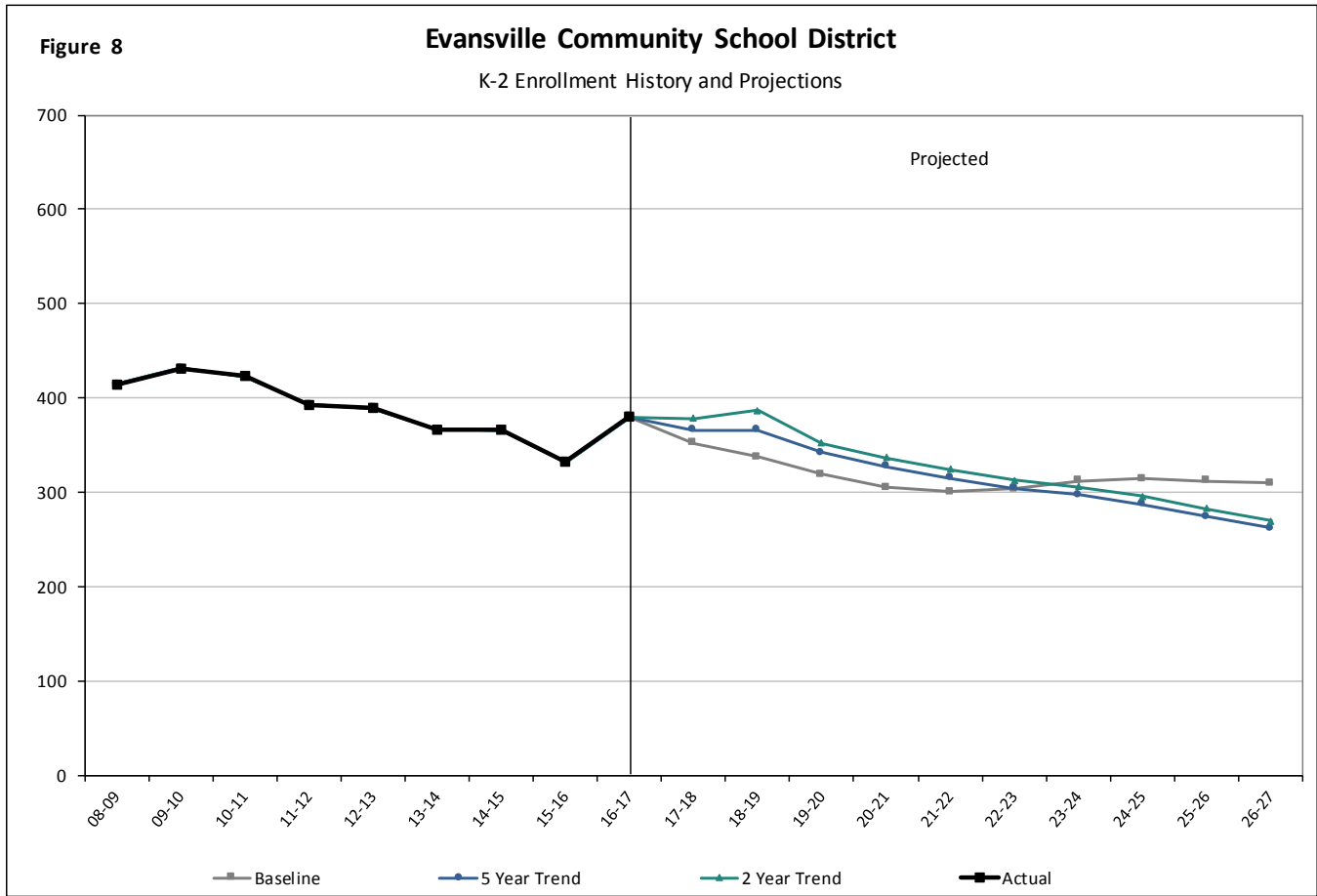


TABLE 12
Summary of K-2 Enrollment Projections
Evansville Community School District

	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27
Baseline	352	338	319	305	301	304	312	315	312	310
5 Year Trend	366	366	343	328	315	305	298	288	275	262
2 Year "Trend"	379	387	352	337	324	313	306	296	283	270

Grades K-2 enrollment is 380 in 2016/17. All three projection models forecast a decline in enrollment over the next five years. K-2 enrollment projections five years from now (2021/22) forecast a range of enrollment from 301 to 324.



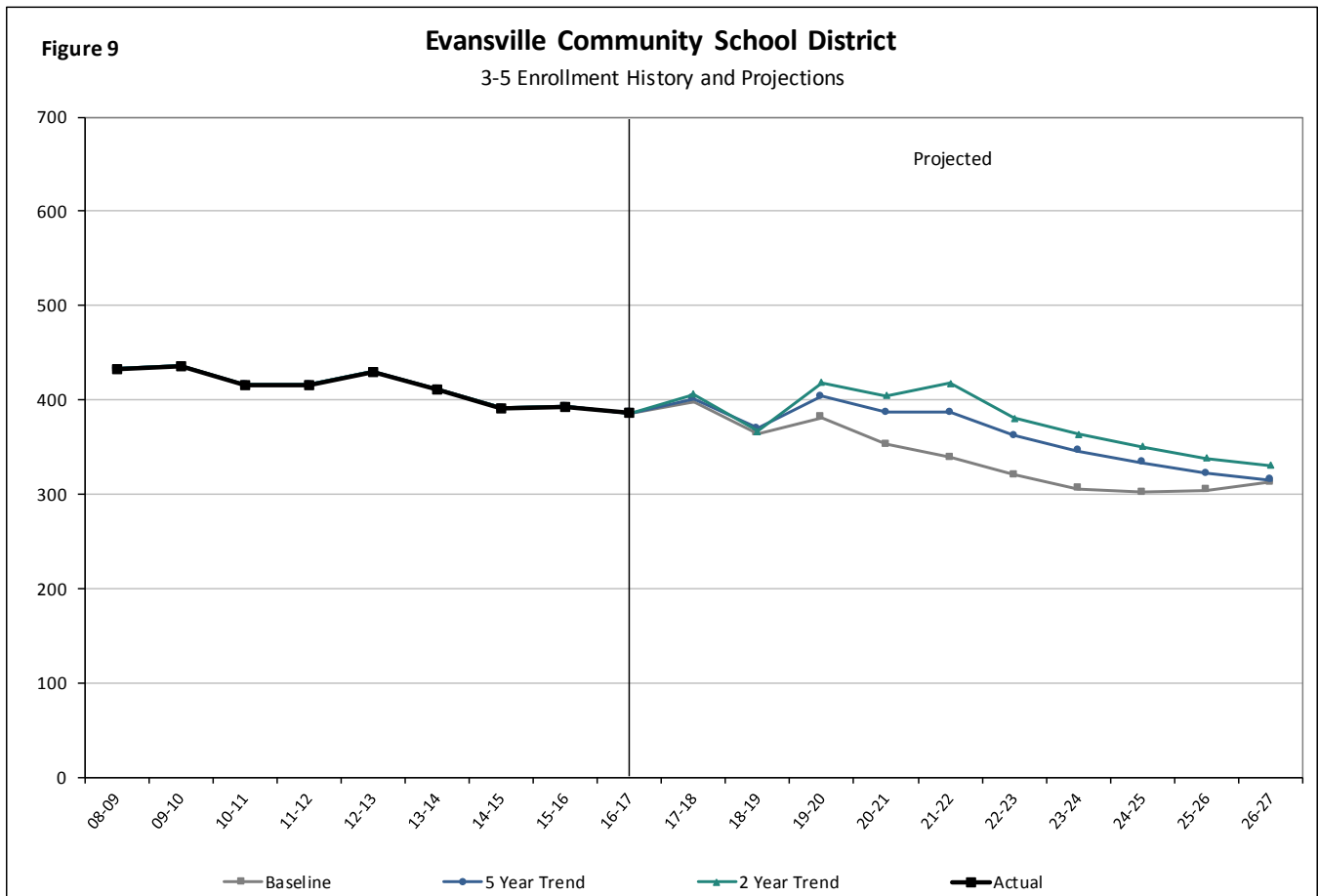


TABLE 13
Summary of 3-5 Enrollment Projections
Evansville Community School District

	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27
Baseline	398	364	382	353	340	321	306	302	305	313
5 Year Trend	402	370	404	387	387	363	346	334	323	315
2 Year "Trend"	406	367	418	405	418	381	364	351	339	331

Grades 3-5 enrollment in 2016/17 is 386. The 2 Year “Trend” model projects enrollment increase, the 5 Year Trend model predicts steady enrollment, and the Baseline model forecasts decreasing enrollment. Grades 3-5 enrollment projections five years from now (2021/22) forecast a range of enrollment from 340 to 418.



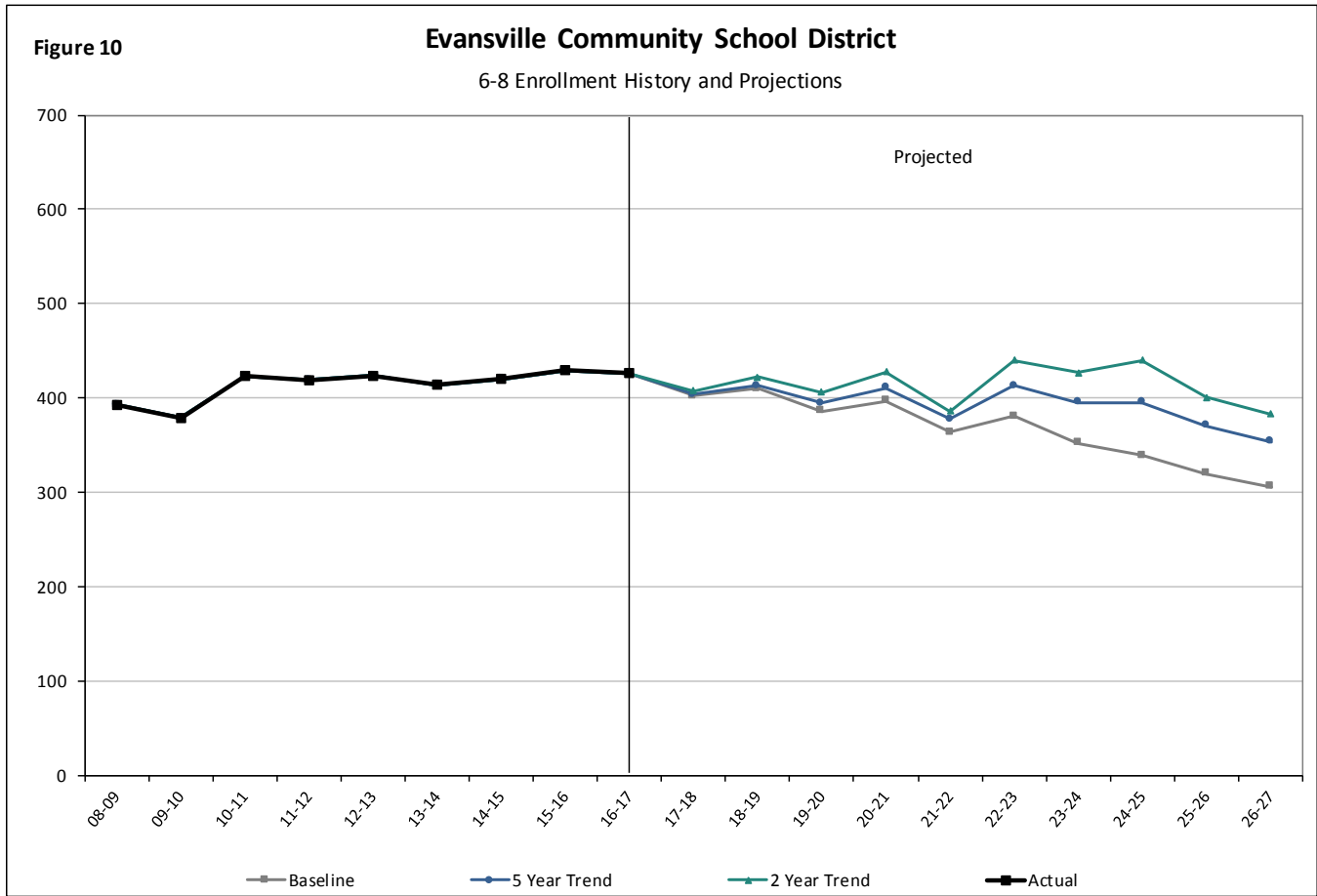


TABLE 14
Summary of 6-8 Enrollment Projections
Evansville Community School District

	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
Baseline	402	410	386	397	364	381	353	339	320	306
5 Year Trend	404	414	394	411	378	413	395	395	371	354
2 Year "Trend"	408	422	407	427	386	441	427	440	401	383

Grades 6-8 enrollment in 2016/17 is 426. At the middle school grade level, all models project fluctuating but overall decreasing enrollment over the next five years. Grades 6-8 enrollment projections five years from now (2021/22) predict a range of enrollment from 364 to 386.



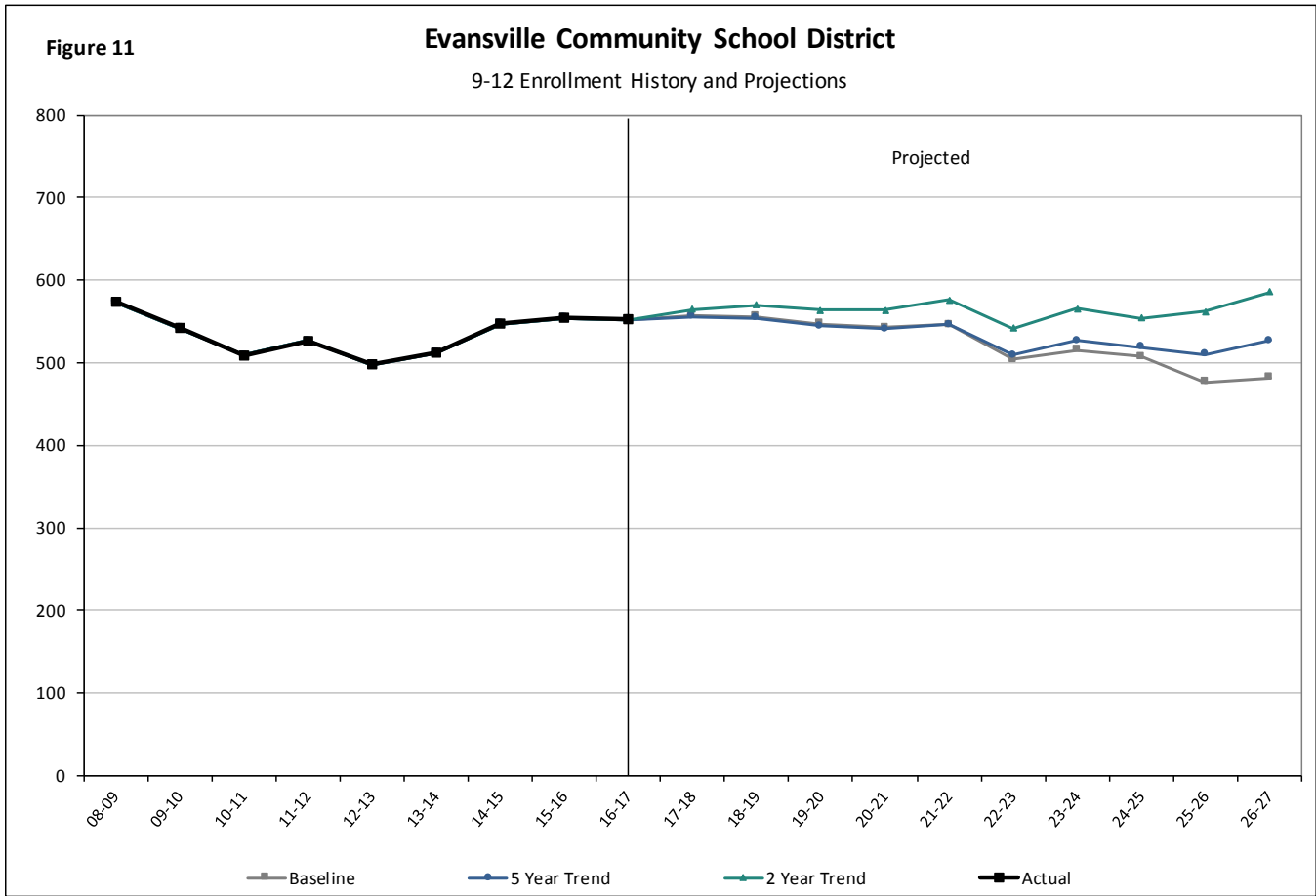


TABLE 15
Summary of 9-12 Enrollment Projections
Evansville Community School District

	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27
Baseline	558	556	547	543	546	504	515	507	477	482
5 Year Trend	555	554	545	541	546	509	527	519	510	527
2 Year "Trend"	565	570	564	564	576	542	565	554	562	586

Grades 9-12 enrollment in 2016/17 is 552. At the high school level, the 2 Year “Trend” model projects slightly increasing enrollment while the 5 Year Trend and Baseline models project steady enrollment over the next five years. Grades 9-12 enrollment projections five years from now (2021/22) project an enrollment of 546 to 576.



Conclusions

These district-level enrollment projections are based on models that incorporate recent past and current demographic information as well as the district's own enrollment data and assumptions about future housing development in the school district area. Because most of the students in the district's schools over the next few years have already been born or are already in school, and because their grade progression from one year to another is highly predictable, the total district-level projections should be viewed as having high accuracy over the next few years. After a few years, and increasingly for the lower elementary grades, actual enrollment figures will likely deviate from these projections by ever increasing amounts. The reason for this is that birth trends, in-migration of pre-school age children, and transfers into the district are more difficult to predict and therefore this makes meaningful incorporation into enrollment projections a challenge. As with nearly all types of forecasts, accuracy in these enrollment projections decreases over time.

In sum, the information provided in this school enrollment projection report points to slightly decreasing enrollment in the Evansville Community School District over the next five years. The 2 Year "Trend" model projects the least amount of enrollment decline. This model overall has higher Grade Progression Ratios than the other two models because of enrollment increases the past two years. The Baseline model predicts decreasing enrollment because of the overall downward enrollment trends the district has experienced over the past ten years. Enrollment in grades K-2 will likely decline over the next couple of years due to low birth rates. For grades 3-5, enrollment will likely fluctuate but remain steady. Enrollment for grades 6-8 are projected to remain fairly steady to slightly decrease. For grades 9-12, the district will likely see steady enrollment over the next five years.

Because the projections found in this report incorporate the consequences of migration to and from the district, any significant and sustained interruption of current or recent past migration patterns will erode these models' accuracy from the initiation point of the new pattern. The various projection models provide a realistic range of migration and transfer effects on the school district. Enrollment growth should be closely monitored for the next few years, and compared with these projections, to determine the trajectory of future growth. This type of monitoring program might help the district to determine which of the models seems to be the most realistic to use for planning purposes.

