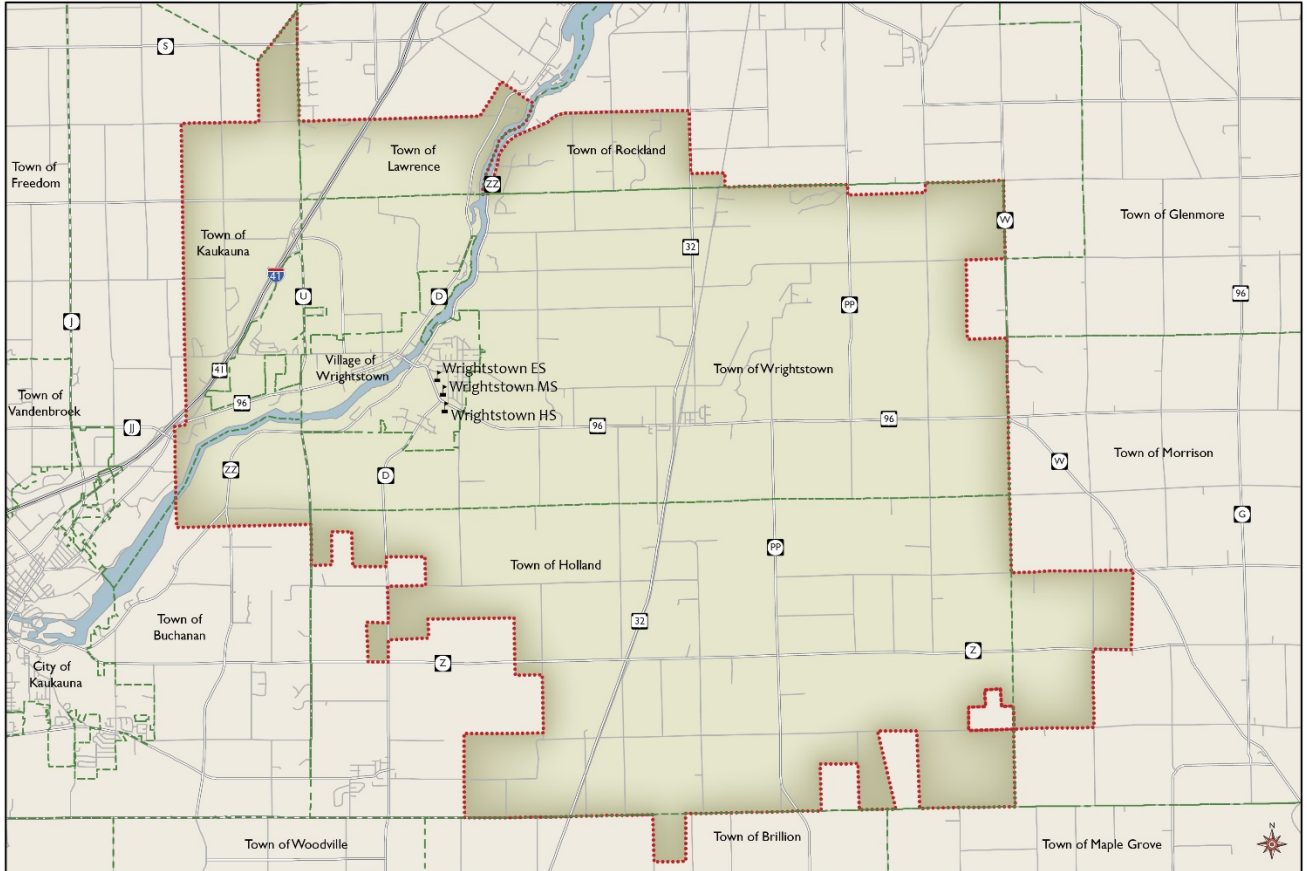


Planning for the Schools of Tomorrow



Wrightstown Community School District

- Wrightstown Schools
- Municipalities
- School District
- Water

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



School Enrollment Projections Series Wrightstown Community School District

January 2018

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Table of Contents

Introduction	1
District Enrollment History	1
Kindergarten Enrollment Trends	5
Birth Trends and Projections	7
Population Trends.....	8
Past Housing Development.....	12
Method	14
School Enrollment Projections.....	16
4K Enrollment and Projections.....	16
Baseline Projections	17
5 Year Trend Projections	18
2 Year “Trend” Projections.....	19
Kindergarten Trend Projections	20
Comparison of Projection Models	21
Conclusions	25





Introduction

This report offers a summary of the Enrollment Projection Analysis completed for the Wrightstown Community School District by the Applied Population Laboratory, University of Wisconsin-Madison. Projections from 2018/19 to 2027/28 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 Wrightstown Community School District. District enrollment has increased over the last ten years, mostly due to the addition of 4K. Grades 4K-12 enrollment has increased since 2008/09 by 54 students, a 4.2% increase.

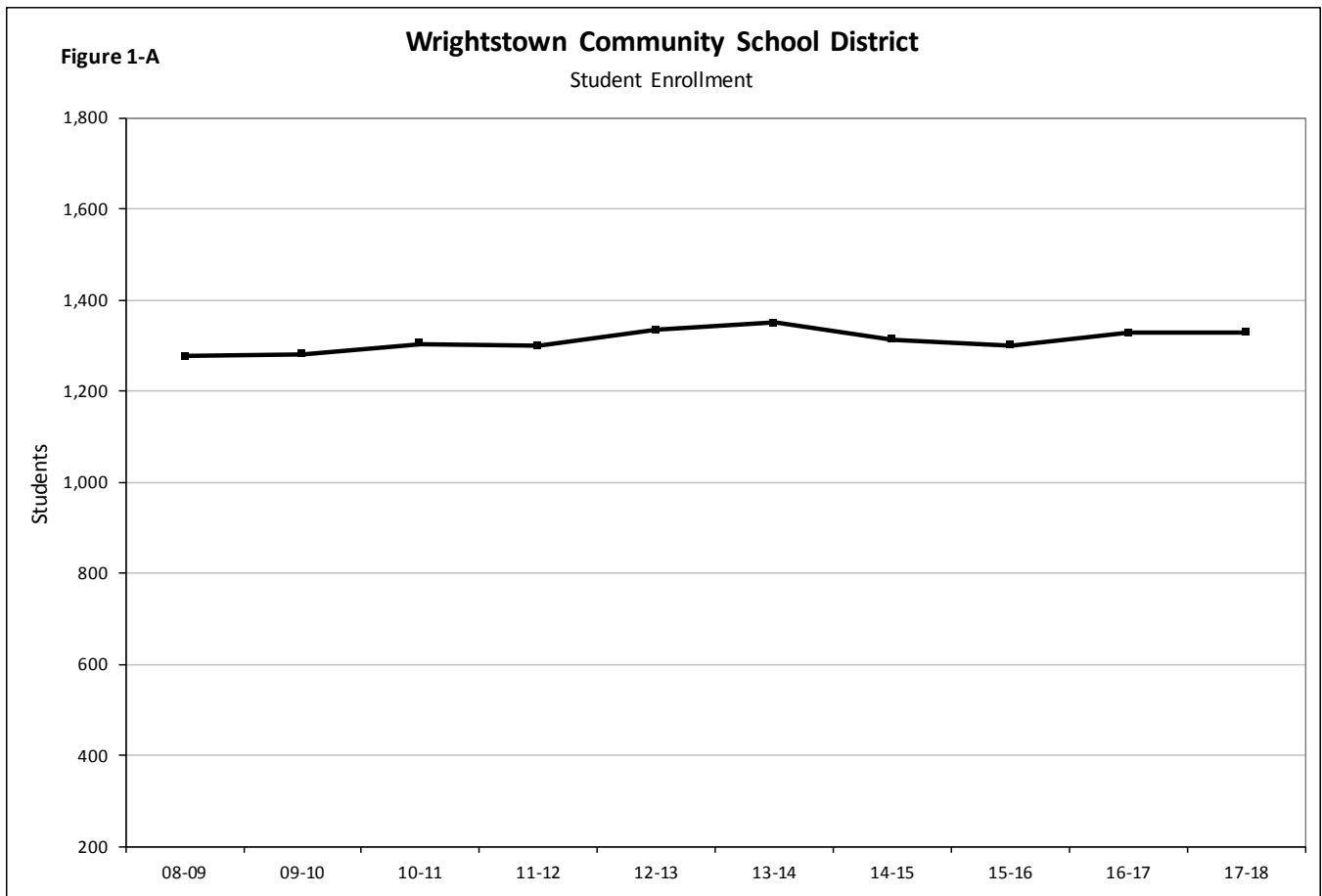


TABLE 1
Student Enrollment
Wrightstown Community School District

	SCHOOL YEAR									
	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
4K	0	0	0	0	68	71	67	70	60	73
K	90	68	88	81	65	73	81	76	84	69
1	84	93	76	87	79	68	71	83	82	91
2	89	88	90	75	87	81	69	73	82	85
3	88	93	94	94	74	92	84	74	82	84
4	86	88	93	97	95	75	97	88	73	84
5	89	89	99	98	101	101	80	91	91	77
6	92	98	94	102	105	109	103	83	94	94
7	116	102	106	97	103	113	106	99	87	96
8	89	114	105	106	102	110	108	105	101	93
9	114	105	127	110	118	114	124	119	127	111
10	104	116	101	129	106	116	112	121	123	127
11	119	110	117	104	127	104	110	111	127	121
12	116	117	113	119	104	123	101	107	115	125
TOTAL	1,276	1,281	1,303	1,299	1,334	1,350	1,313	1,300	1,328	1,330
4K-4	437	430	441	434	468	460	469	464	463	486
5-8	386	403	404	403	411	433	397	378	373	360
9-12	453	448	458	462	455	457	447	458	492	484

TABLE 2
Student Enrollment Changes
Wrightstown Community School District

GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'08 to '17	'08 to '12	'13 to '17	'08 to '17	'08 to '12	'13 to '17	'08 to '17	'08 to '12	'13 to '17
4K	-	-	2	-	-	2.8	-	-	0.7
K	-21	-25	-4	-23.3	-27.8	-5.5	-2.6	-6.9	-1.4
1	7	-5	23	8.3	-6.0	33.8	0.9	-1.5	8.5
2	-4	-2	4	-4.5	-2.2	4.9	-0.5	-0.6	1.2
3	-4	-14	-8	-4.5	-15.9	-8.7	-0.5	-4.0	-2.2
4	-2	9	9	-2.3	10.5	12.0	-0.3	2.6	3.0
5	-12	12	-24	-13.5	13.5	-23.8	-1.5	3.4	-5.9
6	2	13	-15	2.2	14.1	-13.8	0.2	3.5	-3.4
7	-20	-13	-17	-17.2	-11.2	-15.0	-1.9	-2.8	-3.8
8	4	13	-17	4.5	14.6	-15.5	0.5	3.7	-3.9
9	-3	4	-3	-2.6	3.5	-2.6	-0.3	0.9	-0.7
10	23	2	11	22.1	1.9	9.5	2.5	0.5	2.4
11	2	8	17	1.7	6.7	16.3	0.2	1.7	4.1
12	9	-12	2	7.8	-10.3	1.6	0.9	-2.6	0.4
TOTAL	54	58	-20	4.2	4.5	-1.5	0.5	1.1	-0.4
4K-4	49	31	26	11.2	7.1	5.7	1.2	1.8	1.4
5-8	-26	25	-73	-6.7	6.5	-16.9	-0.7	1.6	-4.2
9-12	31	2	27	6.8	0.4	5.9	0.8	0.1	1.5



Figure 1-B shows enrollment history broken down by grade groupings (4K-4, 5-8, and 9-12). Elementary school enrollment has decreased over the last ten years by 11.2%, while middle school enrollment has decreased by 6.7%. High school enrollment on the other hand has increased by 6.8% during this time period.

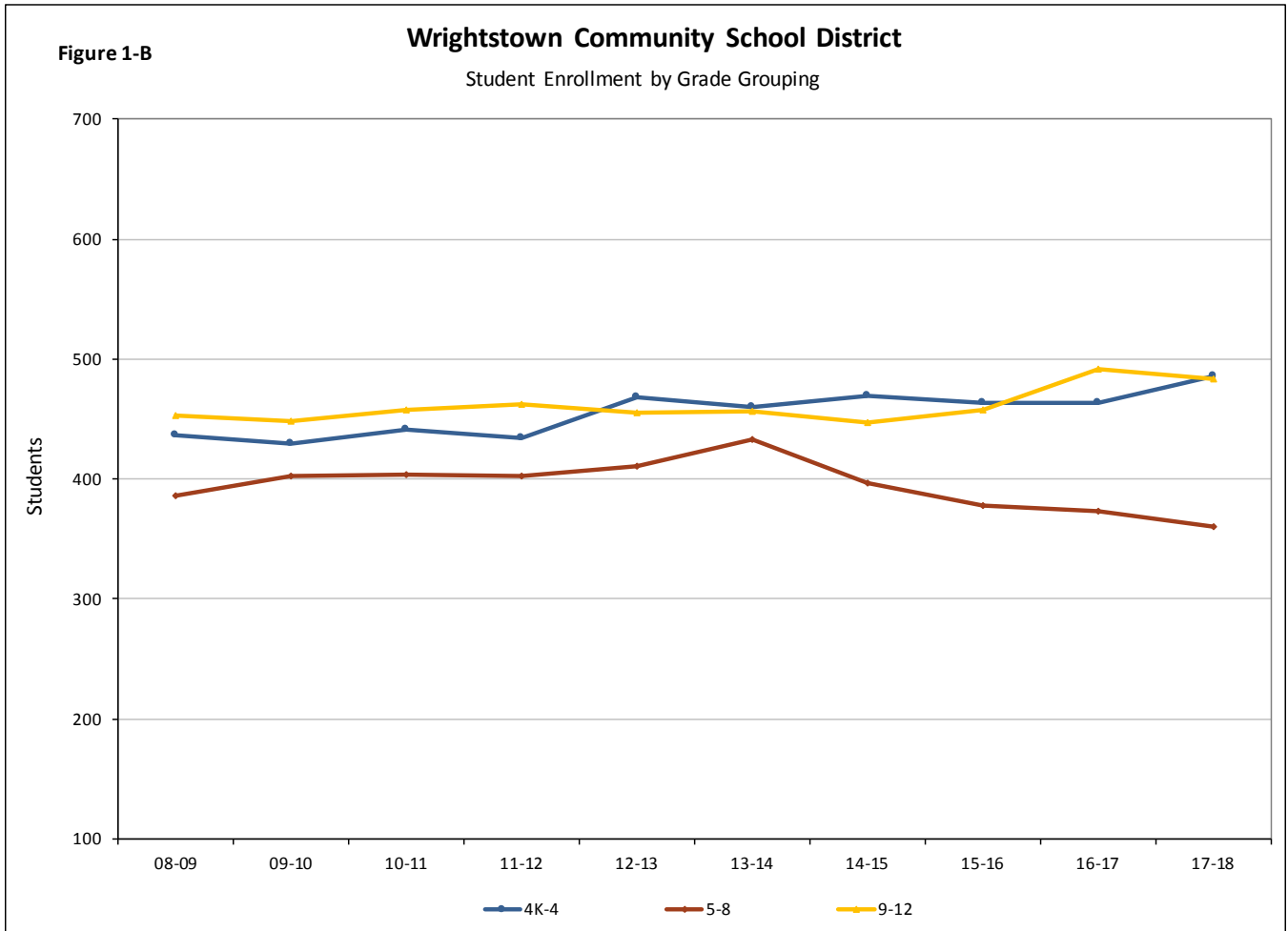
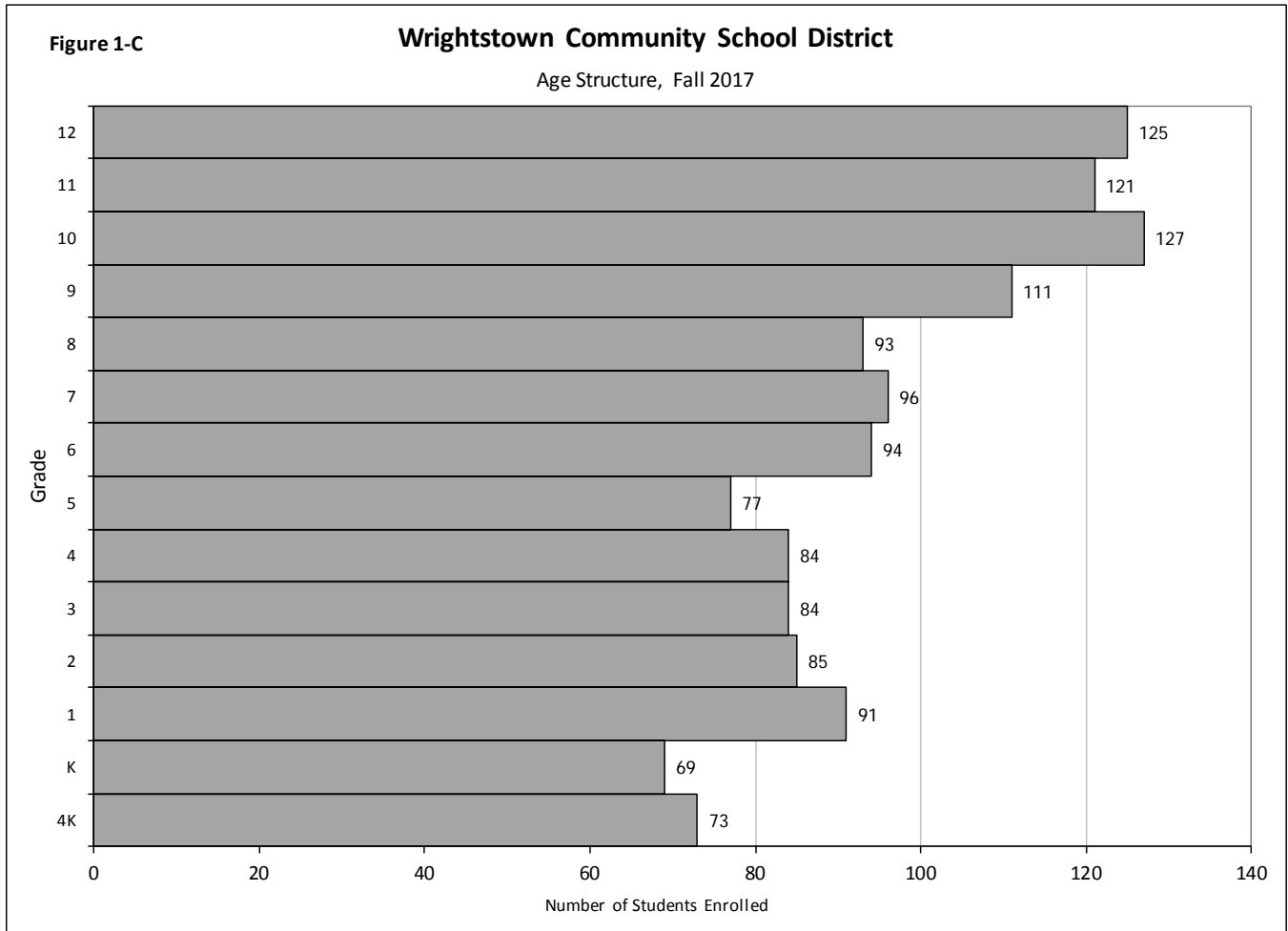
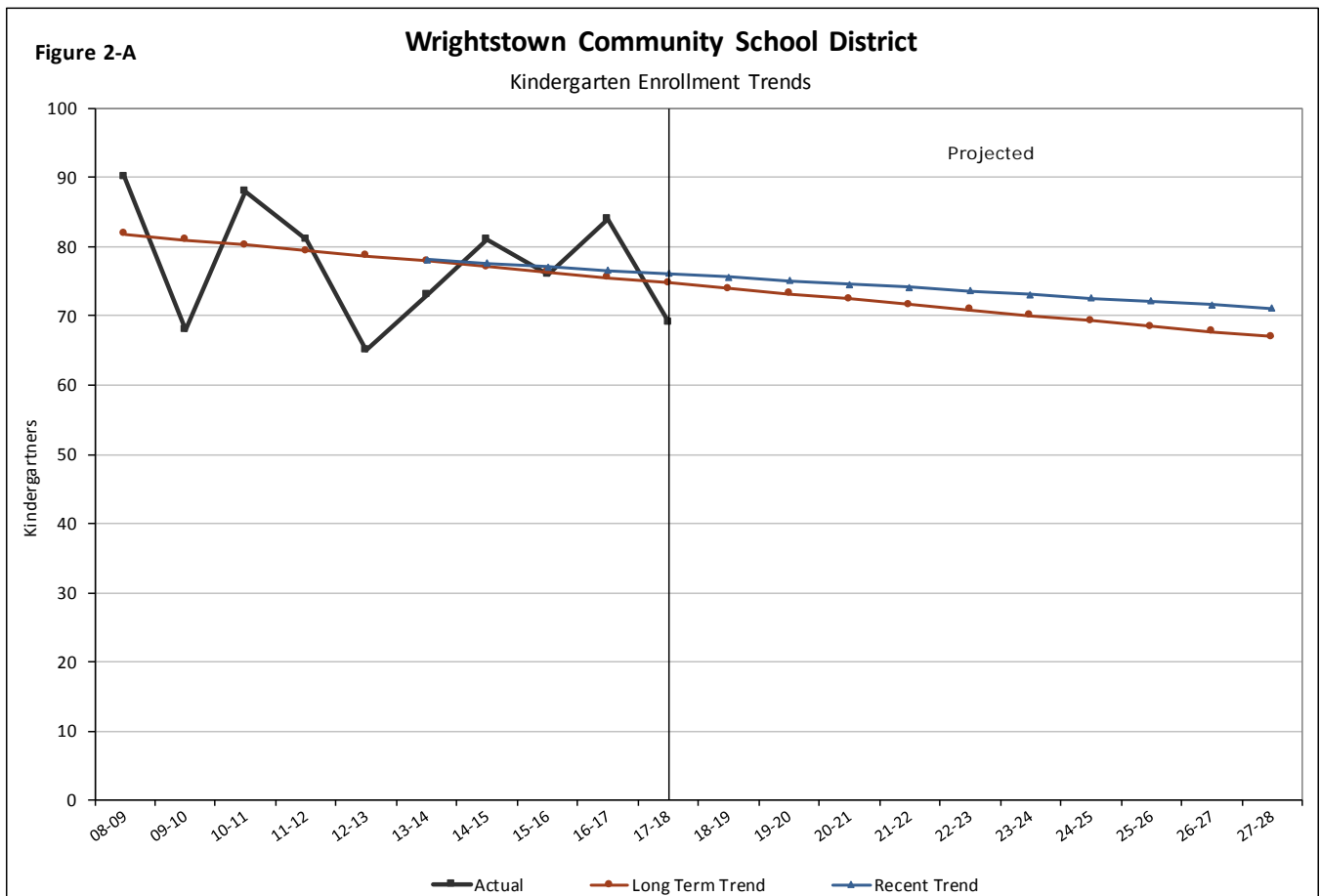


Figure 1-C shows the age structure in Fall 2017 of the student population with the number of 4 year old kindergarteners at the bottom and the number of 12th graders at top. The 1st grade class is the largest in the elementary school, but the rest are relatively small. The 7th grade class is the largest in the middle school, while the 10th grade class is the largest in the high school.

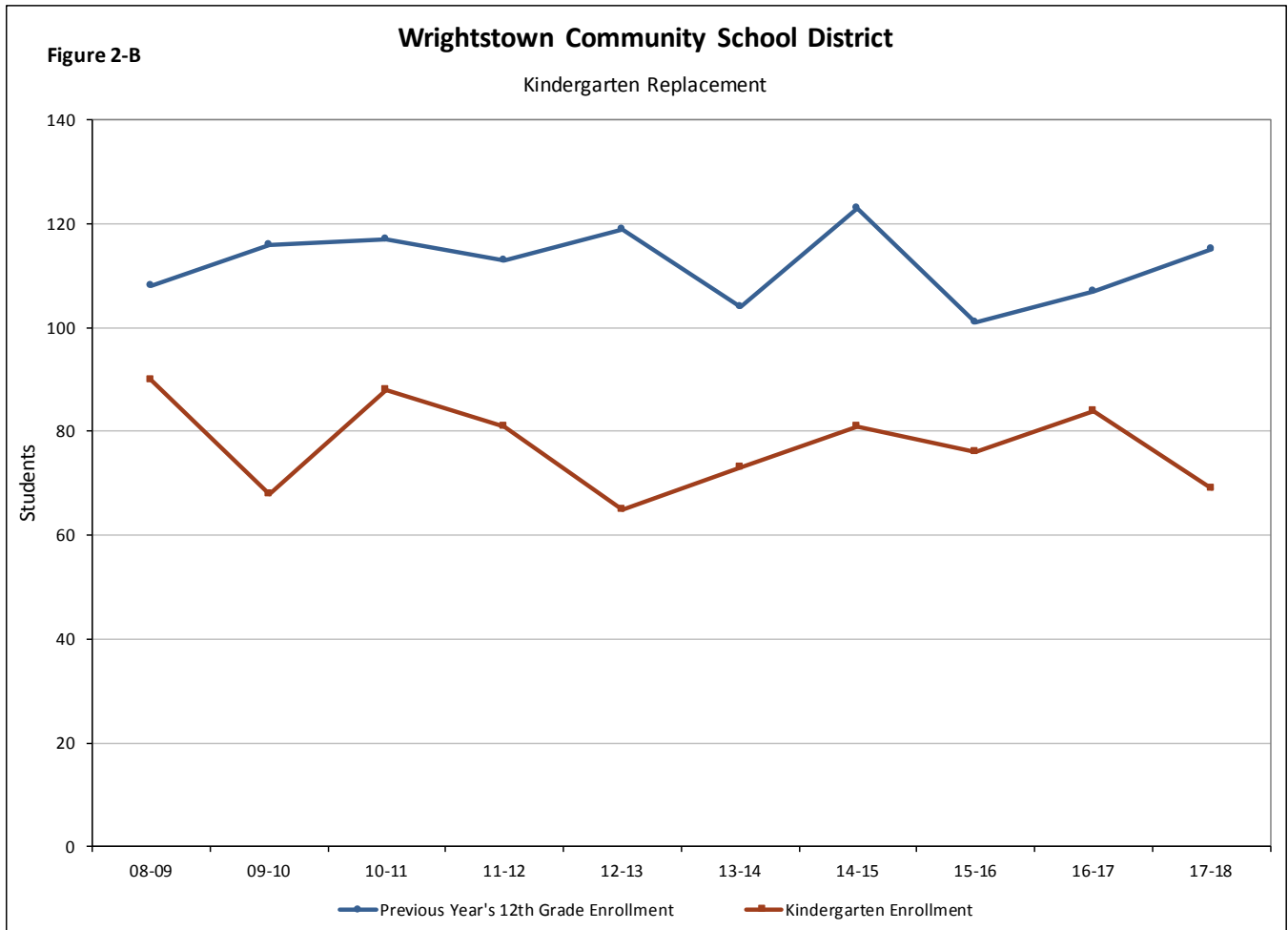


Kindergarten Enrollment Trends

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 increasing, elementary and middle school enrollment might be expected to increase in the near future, while high school enrollment may increase farther 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 2017/18. The “Recent Trend” line emphasizes kindergarten enrollment changes over the last five years. In the Wrightstown Community School District, the long term kindergarten enrollment trend and the last 5-year trend both indicate decreasing kindergarten enrollment. The recent trend will be used to project kindergartners in the Kindergarten Trend model later in the report.

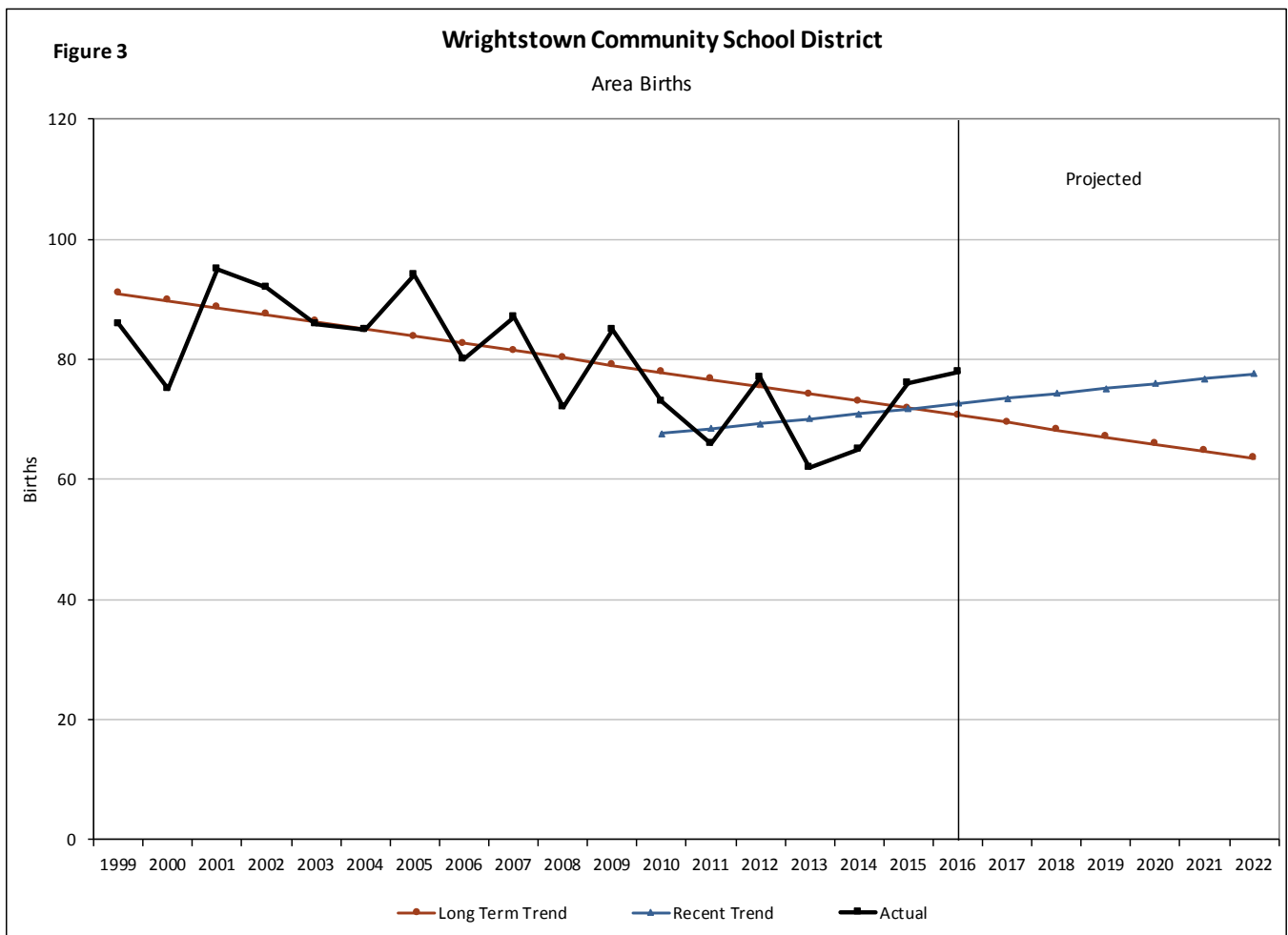


In addition to examining kindergarten enrollment on its own, comparing kindergarten enrollment to outgoing 12th graders offers a snapshot of how the age structure of district enrollment is shifting either from older to younger, or younger to older. Districts tend to experience overall growth when kindergarten enrollment outpaces outgoing students, and they tend to experience decline when kindergarteners do not fully replace the number of graduates. Over the past decade the Wrightstown Community School District kindergarteners have not replaced outgoing seniors (Figure 2-B). Private schools may influence the number of kindergarteners as some students will attend a private school through 8th grade but move to public school for high school.



Birth Trends and Projections

We use historical and projected birth data to forecast the number of kindergarten students who will enroll in the Wrightstown Community School District in future years. Figure 3 shows (in black) the number of births to mothers living in the Village of Wrightstown and the Towns of Holland and Wrightstown, by year, from 1999 to 2016, as collected from the Wisconsin Department of Health. We extrapolate these birth trends into the future to correspond with the projection models. The red line in Figure 3 represents birth trends over the longer term (between 1999 and 2016), while the blue line examines birth patterns over the last seven years. The long term trend projects decreasing births while the recent trend projects increasing. The long term trend is used in the Baseline model, and the recent trend is used to project kindergartners for the Five Year and Two Year trend models.



Year	1999	2000	2001	2002	2003	2004	2005	2006	2007
# of Births	86	75	95	92	86	85	94	80	87
Year	2008	2009	2010	2011	2012	2013	2014	2015	2016
# of Births	72	85	73	66	77	62	65	76	78

Source: WI Department of Health Services



Population Trends

This section examines population trends of the recent past for municipalities that fall within the Wrightstown Community School District. 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 provides 2010 U. S. Census population counts and Wisconsin Department of Administration (DOA) estimates for district area municipalities from 2011 to 2017. These municipal estimates can be compared with estimates for Brown and Outagamie counties and the State of Wisconsin. The district area has not grown as quickly as either county.

TABLE 3
Total Population by Municipality: 2010-2017
Wrightstown Community School District

Municipality	POPULATION							
	Census 2010	est. 2011	est. 2012	est. 2013	est. 2014	est. 2015	est. 2016	est. 2017
T. Holland	1,519	1,524	1,527	1,524	1,528	1,548	1,558	1,579
T. Kaukauna	1,238	1,246	1,249	1,254	1,261	1,272	1,285	1,287
T. Wrightstown	2,221	2,229	2,231	2,237	2,232	2,254	2,275	2,289
V. Wrightstown	2,676	2,679	2,691	2,690	2,690	2,689	2,686	2,703
District Area	7,654	7,678	7,698	7,705	7,711	7,763	7,804	7,858
Brown County	248,007	249,192	250,281	251,495	253,156	255,376	257,897	259,460
Outagamie County	176,695	177,455	178,150	179,117	180,022	181,310	182,365	182,921
State of Wisconsin	5,686,986	5,694,236	5,703,525	5,717,110	5,732,981	5,753,324	5,775,120	5,788,500

Municipality	PERCENT CHANGE							
	2010 to 2011	2011 to 2012	2012 to 2013	2013 to 2014	2014 to 2015	2015 to 2016	2016 to 2017	2010 to 2017
T. Holland	0.3%	0.2%	-0.2%	0.3%	1.3%	0.6%	1.3%	3.9%
T. Kaukauna	0.6%	0.2%	0.4%	0.6%	0.9%	1.0%	0.2%	4.0%
T. Wrightstown	0.4%	0.1%	0.3%	-0.2%	1.0%	0.9%	0.6%	3.1%
V. Wrightstown	0.1%	0.4%	0.0%	0.0%	0.0%	-0.1%	0.6%	1.0%
District Area	0.3%	0.3%	0.1%	0.1%	0.7%	0.5%	0.7%	2.7%
Brown County	0.5%	0.4%	0.5%	0.7%	0.9%	1.0%	0.6%	4.6%
Outagamie County	0.4%	0.4%	0.5%	0.5%	0.7%	0.6%	0.3%	3.5%
State of Wisconsin	0.1%	0.2%	0.2%	0.3%	0.4%	0.4%	0.2%	1.8%

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



Figure 4-A

Wrightstown Community School District

Population for Area Municipalities

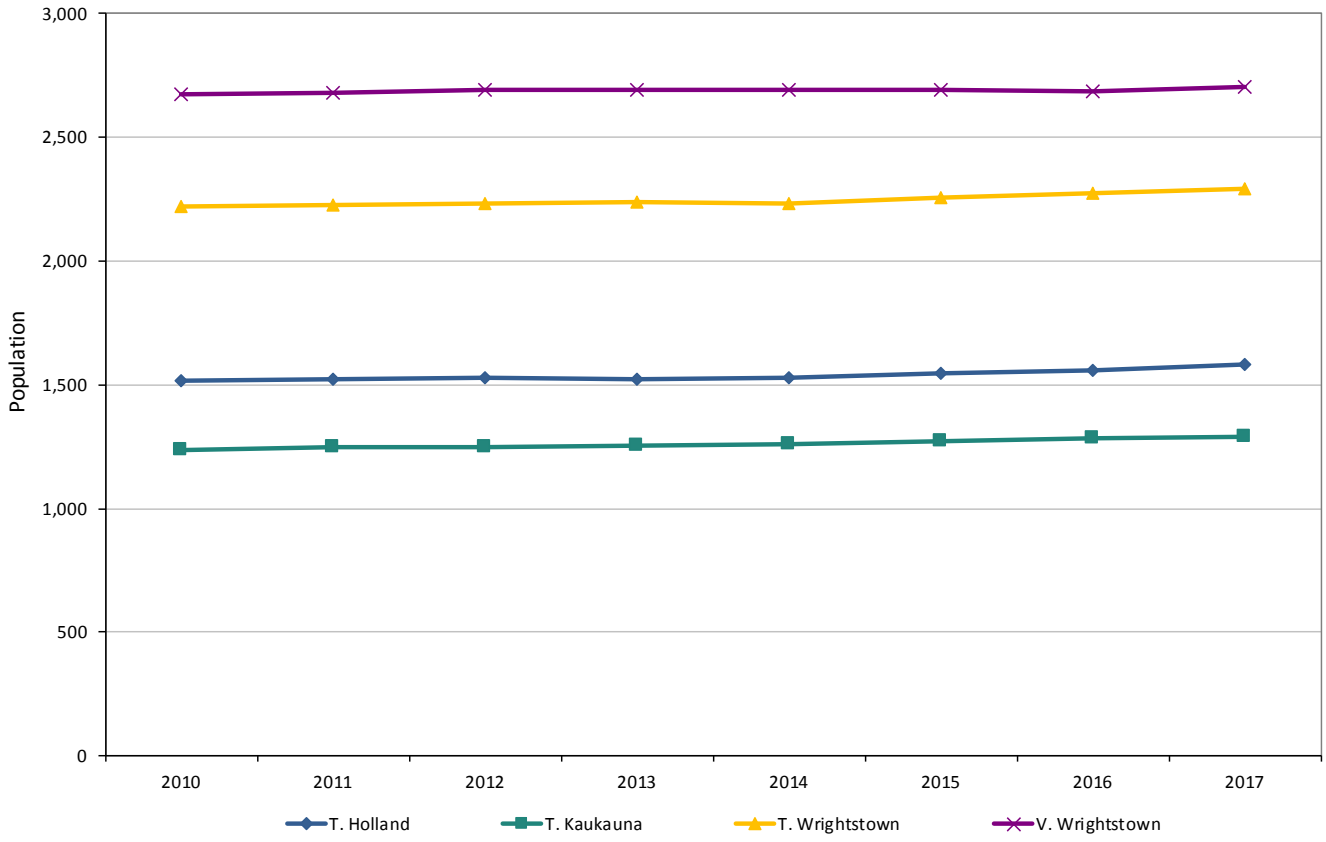


Table 4 and Figure 4-B illustrate the population for the Wrightstown Community School District showing the age structure between 2000 and 2010. The graph provides a population breakdown in five year increments and the chart provides a visual representation of this data showing an increase in the school-aged child population.

TABLE 4
Population by Age and Gender, 2000-2010
Wrightstown Community School District

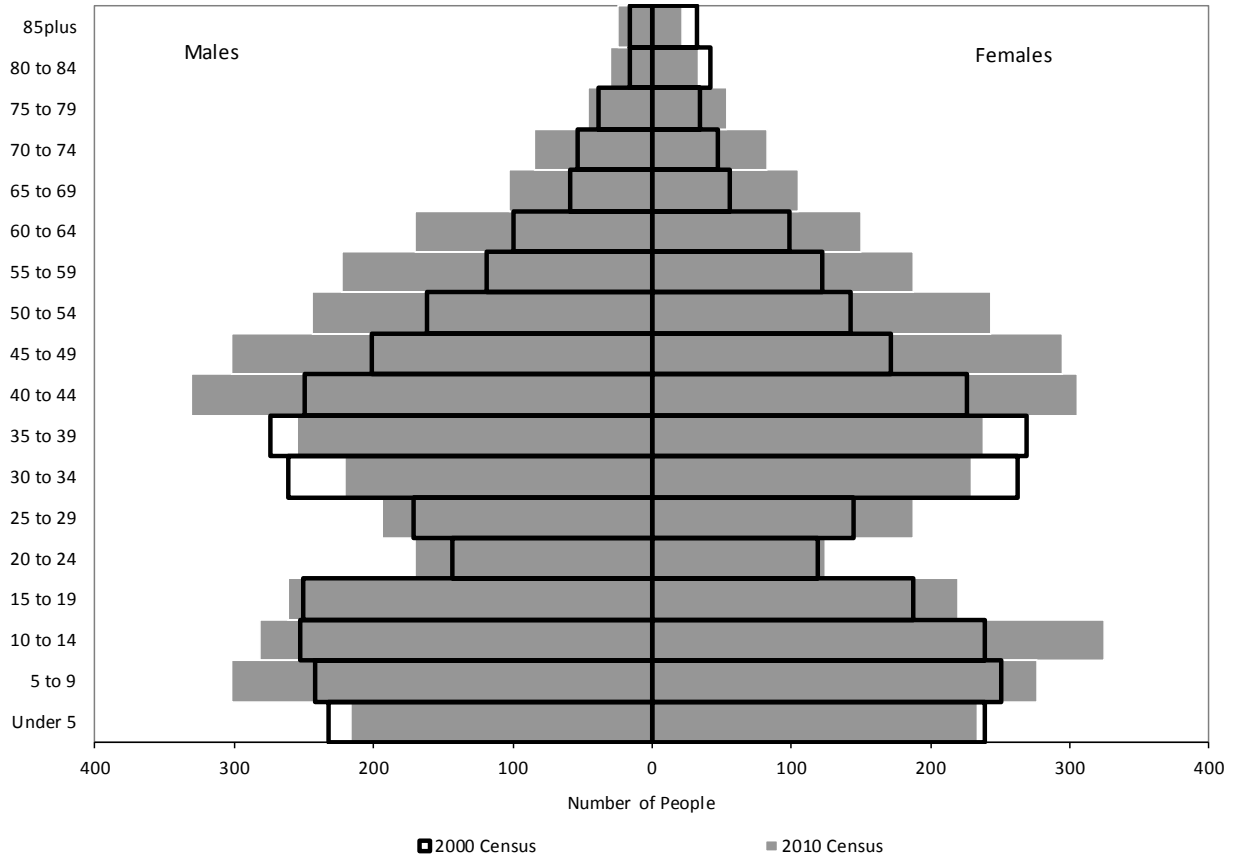
Age	2010 Census			Age	2000 Census		
	Males	Females	Total		Males	Females	Total
Under 5	216	234	450	Under 5	232	239	471
5 to 9	302	276	578	5 to 9	242	251	493
10 to 14	282	325	607	10 to 14	253	239	492
15 to 19	261	220	481	15 to 19	251	188	439
20 to 24	170	124	294	20 to 24	143	119	262
25 to 29	194	188	382	25 to 29	171	145	316
30 to 34	221	229	450	30 to 34	261	263	524
35 to 39	255	238	493	35 to 39	274	269	543
40 to 44	331	305	636	40 to 44	250	226	476
45 to 49	302	295	597	45 to 49	201	171	372
50 to 54	244	243	487	50 to 54	162	143	305
55 to 59	223	188	411	55 to 59	119	122	241
60 to 64	170	150	320	60 to 64	99	99	198
65 to 69	103	105	208	65 to 69	59	56	115
70 to 74	84	83	167	70 to 74	54	47	101
75 to 79	46	54	100	75 to 79	39	34	73
80 to 84	30	33	63	80 to 84	16	42	58
85plus	25	22	47	85plus	16	32	48
	3,459	3,312	6,771		2,842	2,685	5,527

Source: U. S. Census Bureau



Figure 4-B

Wrightstown Community Age Structure



Past Housing Development

Table 5 shows the number of housing starts in the municipalities that fall within Wrightstown Community School District from 2007 to 2016.

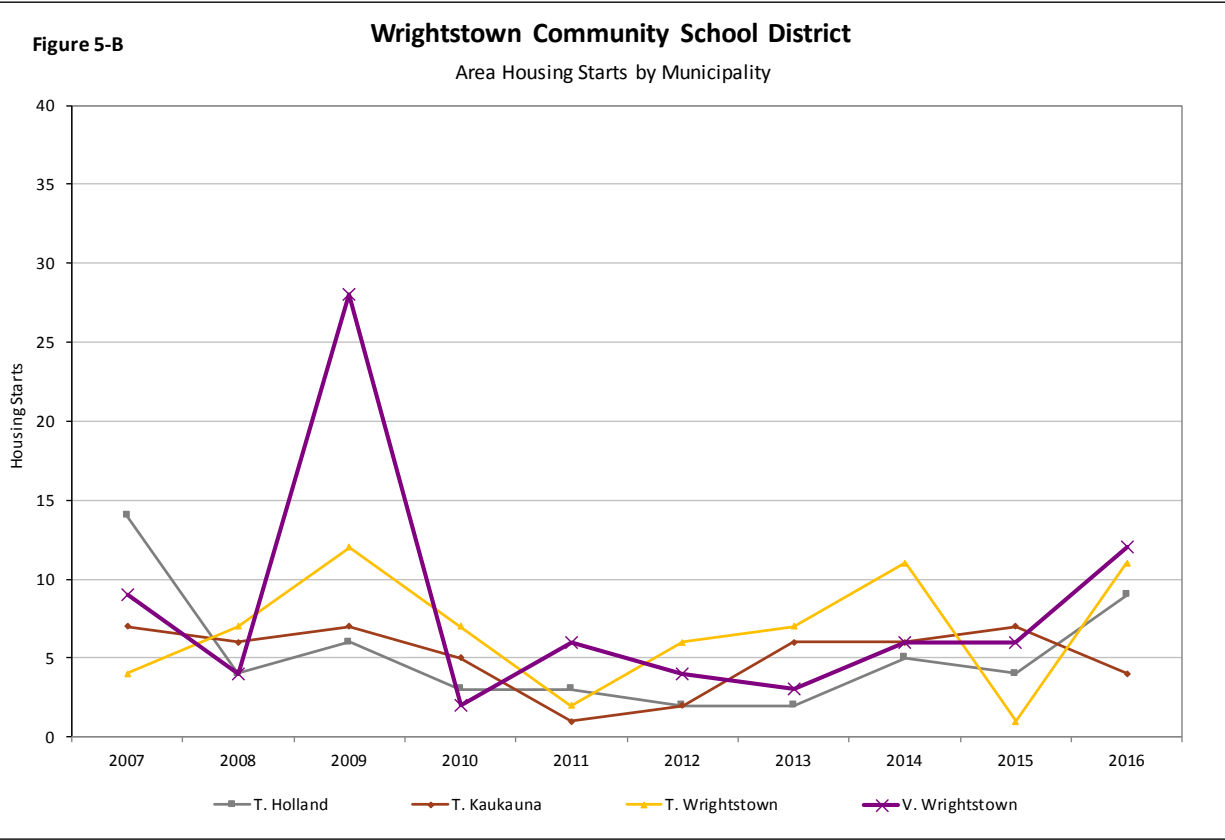
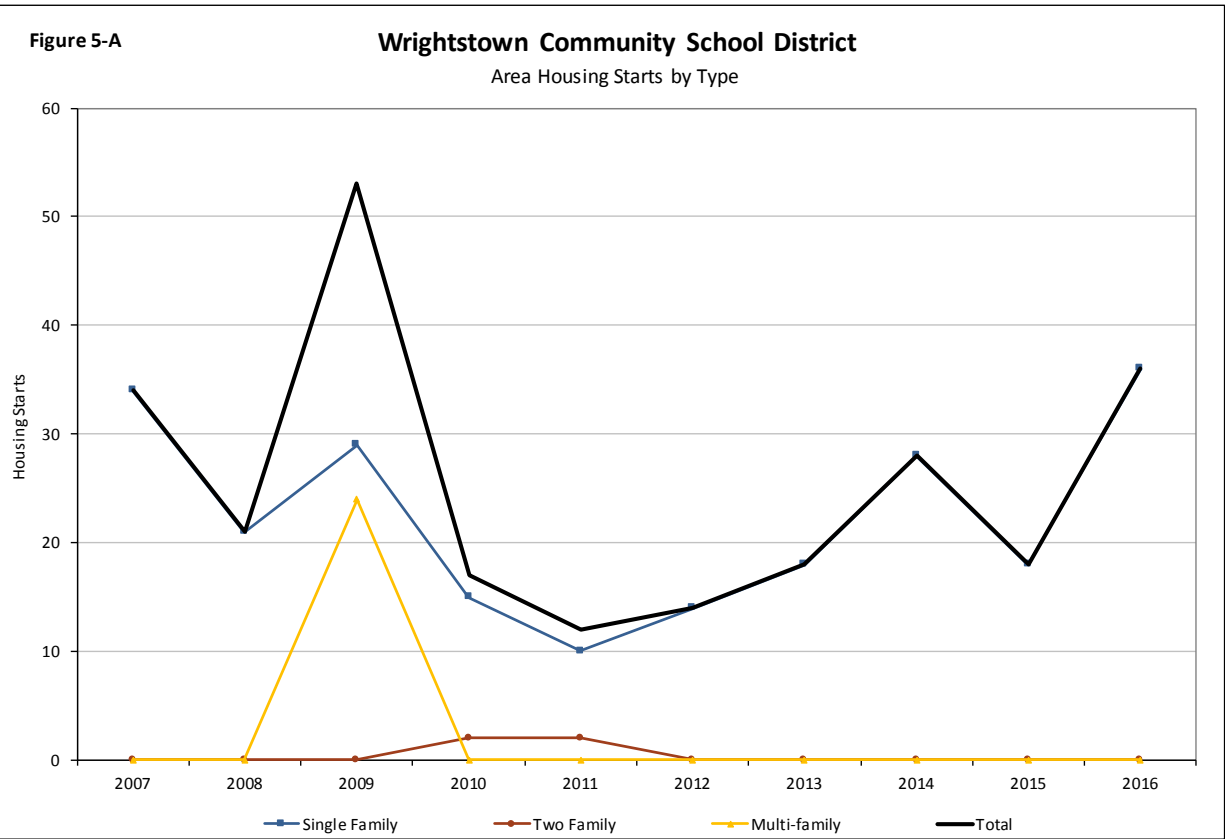
TABLE 5
School District Area Housing Starts
Wrightstown Community School District

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
District Area										
TOTAL	34	21	53	17	12	14	18	28	18	36
Single Family	34	21	29	15	10	14	18	28	18	36
Two Family	0	0	0	2	2	0	0	0	0	0
Multi-family	0	0	24	0	0	0	0	0	0	0
T. Holland										
TOTAL	14	4	6	3	3	2	2	5	4	9
Single Family	14	4	6	3	3	2	2	5	4	9
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. Kaukauna										
TOTAL	7	6	7	5	1	2	6	6	7	4
Single Family	7	6	7	5	1	2	6	6	7	4
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. Wrightstown										
TOTAL	4	7	12	7	2	6	7	11	1	11
Single Family	4	7	12	5	2	6	7	11	1	11
Two Family	0	0	0	2	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0
V. Wrightstown										
TOTAL	9	4	28	2	6	4	3	6	6	12
Single Family	9	4	4	2	4	4	3	6	6	12
Two Family	0	0	0	0	2	0	0	0	0	0
Multi-family	0	0	24	0	0	0	0	0	0	0

Source: Demographic Services Center, WIDOA

Figure 5-A shows housing starts in the area by type of housing unit—single family, two family, and multi-family housing unit. Housing in the area has consisted of mostly single-family homes. Households in single family homes, on average, contain more school-aged children than in multi-family complexes. The district area experienced a decline in home construction starting in 2010, but recently home construction has been steadily increasing. Figures 5-B shows the total number of residential building permits issued by municipalities over the last ten years. The majority of housing development during this time period has occurred in the Village and Town of Wrightstown.





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 in 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 Wrightstown 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 pairs of years and then averages of these based on different time frames are calculated for each grade.

TABLE 6
Grade Progression Ratios
Wrightstown 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	0.773	1.033	1.048	1.045	1.000	1.035	1.101	1.109	0.983	1.180	1.018	1.058	0.983
09-10/10-11	1.031	1.118	0.968	1.068	1.000	1.125	1.056	1.082	1.029	1.114	0.962	1.009	1.027
10-11/11-12	0.890	0.989	0.987	1.044	1.032	1.054	1.030	1.032	1.000	1.048	1.016	1.030	1.017
11-12/12-13	0.768	0.975	1.000	0.987	1.011	1.041	1.071	1.010	1.052	1.113	0.964	0.984	1.000
12-13/13-14	0.862	1.046	1.025	1.057	1.014	1.063	1.079	1.076	1.068	1.118	0.983	0.981	0.969
13-14/14-15	1.052	0.973	1.015	1.037	1.054	1.067	1.020	0.972	0.956	1.127	0.982	0.948	0.971
14-15/15-16	0.942	1.025	1.028	1.072	1.048	0.938	1.038	0.961	0.991	1.102	0.976	0.991	0.973
15-16/16-17	1.091	1.079	0.988	1.123	0.986	1.034	1.033	1.048	1.020	1.210	1.034	1.050	1.036
16-17/17-18	1.010	1.083	1.037	1.024	1.024	1.055	1.033	1.021	1.069	1.099	1.000	0.984	0.984
Baseline	0.965	1.043	1.011	1.050	1.013	1.050	1.044	1.045	1.012	1.112	0.996	0.996	0.988
5 Year Trend	0.991	1.041	1.019	1.063	1.025	1.031	1.040	1.016	1.021	1.131	0.995	0.991	0.987
2 Year "Trend"	1.050	1.081	1.012	1.074	1.005	1.044	1.033	1.035	1.045	1.154	1.017	1.017	1.010

*Shaded progression ratios are excluded from the Baseline Average

The grade progression ratios can be interpreted in the following manner. The Baseline ratio for 2:3 is 1.050. This means that in the Wrightstown Community School District, the third grade class is on average 5.0% larger than the second grade class from the previous year. The Baseline 9:10 ratio of 0.996 indicates that, on average, approximately 99.6% of the previous year’s ninth graders will enroll as tenth graders the following year.



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. The majority of the grade progression ratios are above one; this indicates a general trend of in-migration into the district.

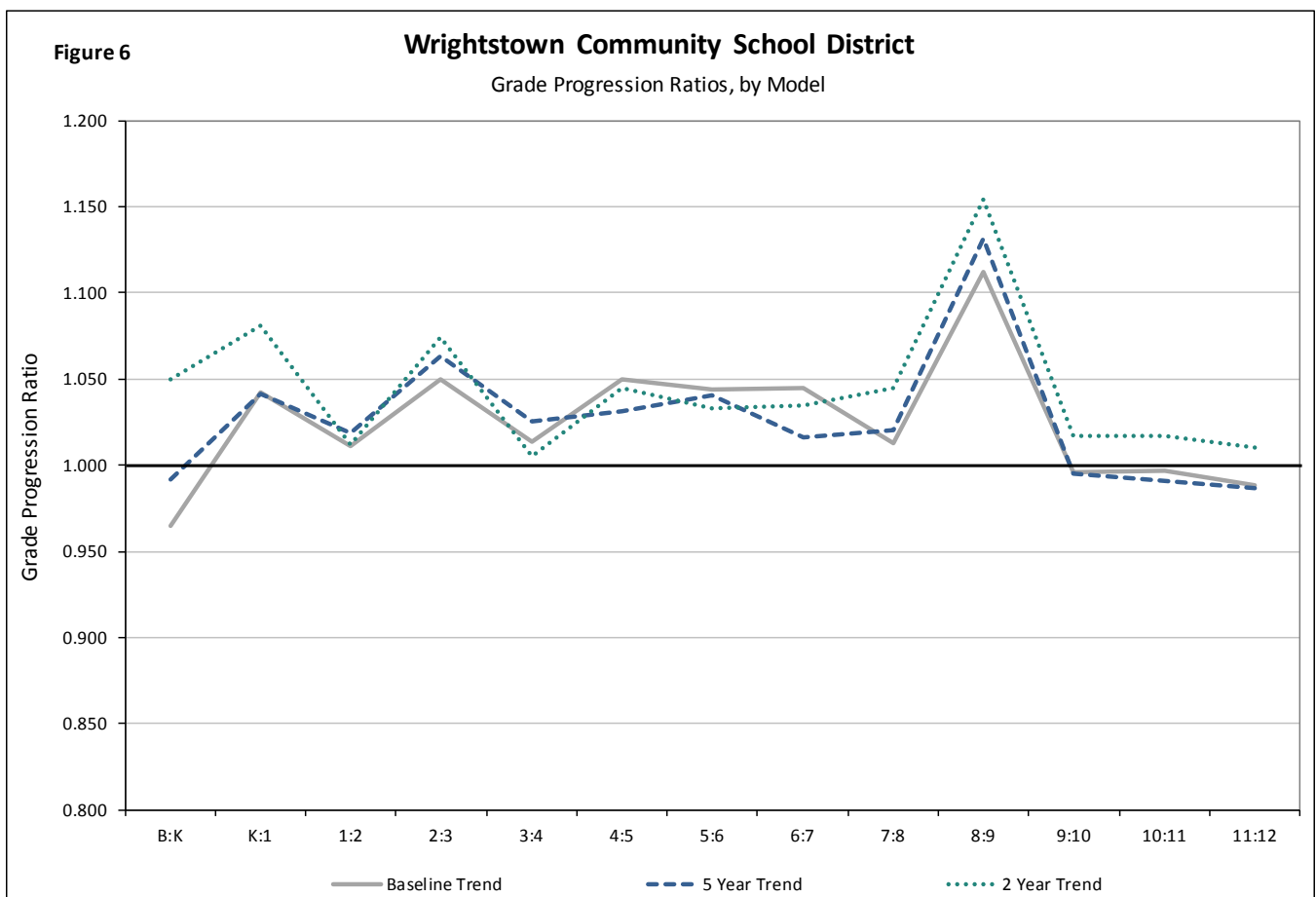


Table 7 shows the observed transfer ratios between birth and 4K and between 4K and kindergarten for the last six years and the grade progression ratio trend averages. To generate 4K enrollment projections, the Baseline average will be used to project 4K for the Baseline model, the 5 Year Trend average will be used for the 5 Year Trend and Kindergarten models, and the 2 Year Trend average will be used in the 2 Year Trend model. 4K:K ratios are provided as a point of reference, but will not be used to determine kindergarten enrollment in any of the projection models.

TABLE 7
4K Grade Progression Ratios
Wrightstown Community School District

	B:4K	4K:K
11-12/12-13	0.803	-
12-13/13-14	0.922	1.074
13-14/14-15	0.831	1.141
14-15/15-16	0.909	1.134
15-16/16-17	0.878	1.200
16-17/17-18	0.996	1.150
Baseline	0.890	1.140
5 Year Trend	0.907	1.140
2 Year "Trend"	0.937	1.175



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 farther into the future. Overall, our projections are more reliable over the next five years (up to the 2022/23 school year) than they are in the second half of the next decade.

Baseline Projections

The Baseline model (Table 8) projects enrollments using the assumption that 10-year average trends from year to year, grade to grade, will continue into the future. This model assumes that long term trends in enrollment and births will be representative of future trends. This model projects that 4K-12 enrollment will decrease from 1,330 students in 2017/18 to 1,231 students in 2022/23, a decrease of 99 students.

TABLE 8
Baseline Projection Model
Wrightstown Community School District

	SCHOOL YEAR									
	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
4K	57	64	69	64	60	59	58	57	56	55
K	65	62	70	75	70	66	65	64	63	62
1	72	67	64	73	78	73	69	68	67	65
2	92	73	68	65	74	79	74	70	69	67
3	89	97	76	72	68	77	83	77	73	72
4	85	90	98	77	73	69	78	84	78	74
5	88	89	95	103	81	76	73	82	88	82
6	80	92	93	99	107	85	79	76	86	92
7	98	84	96	97	104	112	89	83	79	90
8	97	99	85	97	99	105	113	90	84	80
9	103	108	111	95	108	110	117	126	100	93
10	111	103	108	110	94	108	109	116	126	99
11	127	110	103	107	110	94	107	109	116	125
12	120	125	109	101	106	108	93	106	108	114
TOTAL	1,284	1,264	1,244	1,235	1,231	1,221	1,207	1,207	1,191	1,172
4K-4	460	453	445	425	422	423	426	419	406	396
5-8	364	365	369	397	391	378	354	331	337	344
9-12	460	446	430	413	418	420	426	457	449	432



5 Year Trend Projections

The 5 Year Trend model (Table 9) uses the grade progression ratios from the last five years and the recent trend in the number of births 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 Wrightstown Community School District is projected to decrease from 1,330 students in 2017/18 to 1,249 students in 2022/23, a decrease of 81 students.

TABLE 9
5 Year Trend Projection Model
Wrightstown Community School District

GRADE	SCHOOL YEAR									
	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
4K	58	66	70	68	67	68	69	69	70	71
K	66	63	72	77	74	73	74	75	76	77
1	72	69	66	75	80	77	76	77	78	79
2	93	73	70	67	76	81	79	78	79	80
3	90	99	78	75	72	81	86	84	83	84
4	86	93	101	80	77	73	83	89	86	85
5	87	89	96	104	82	79	76	85	91	89
6	80	90	92	99	108	86	82	79	89	95
7	95	81	92	94	101	110	87	84	80	90
8	98	97	83	93	96	103	112	89	85	82
9	105	111	110	94	106	108	117	127	100	97
10	110	105	110	110	93	105	108	116	126	100
11	126	109	104	109	109	93	104	107	115	125
12	119	124	108	102	108	107	91	103	105	113
TOTAL	1,287	1,269	1,252	1,247	1,249	1,245	1,245	1,261	1,264	1,265
4K-4	465	463	457	441	446	454	467	472	471	474
5-8	360	358	363	391	387	378	357	337	346	356
9-12	461	449	432	415	416	413	420	453	447	435



2 Year "Trend" Projections

The Two 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 Two Year "Trend", 4K-12 enrollment is projected to remain the same, from 1,330 students in 2017/18 to 1,331 students in 2022/23.

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

GRADE	SCHOOL YEAR									
	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
4K	60	68	72	70	69	70	71	72	72	73
K	70	67	76	81	79	78	79	79	80	81
1	75	76	73	82	88	85	84	85	86	87
2	92	76	77	74	83	89	86	85	86	87
3	91	99	81	83	79	89	95	93	91	92
4	84	92	99	82	83	79	90	96	93	92
5	88	88	96	104	85	87	83	94	100	97
6	80	91	91	99	107	88	90	86	97	104
7	97	82	94	94	102	111	91	93	89	100
8	100	102	86	98	98	107	116	95	97	93
9	107	116	117	99	113	114	124	134	110	112
10	113	109	118	119	101	115	116	126	136	112
11	129	115	111	120	121	103	117	118	128	138
12	122	130	116	112	121	122	104	118	119	129
TOTAL	1,309	1,310	1,307	1,317	1,331	1,337	1,344	1,372	1,384	1,397
4K-4	473	477	479	471	481	490	505	510	509	512
5-8	365	363	367	395	393	393	380	367	383	393
9-12	472	470	462	450	456	454	460	495	492	491



Kindergarten Trend Projections

For this method, a kindergarten trend analysis is performed to project the number of future kindergarten students, rather than relying upon the traditional birth to kindergarten (B:K) grade progression ratios. Then, the 5 Year Trend progression ratios are used for projecting the other grades (1-12) in the district. In other words, this model assumes that the number of new kindergarteners each year over the next decade will continue to follow a trend similar to the recent kindergarten trend, regardless of the number of observed births in the school district area.

According to this hybrid projection method (Table 11), the Kindergarten Trend model projects enrollment will decrease from 1,330 students in 2017/18 to 1,272 students in 2022/23, a decrease of 58 students.

TABLE 11
Kindergarten Trend Projection Model
Wrightstown Community School District

GRADE	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
4K	58	66	70	68	67	68	69	69	70	71
K	76	75	75	74	74	73	73	72	72	71
1	72	79	78	78	77	77	76	76	75	75
2	93	73	80	80	79	79	78	78	77	76
3	90	99	78	85	85	84	84	83	82	82
4	86	93	101	80	87	87	86	86	85	84
5	87	89	96	104	82	90	90	89	88	88
6	80	90	92	99	108	86	94	93	93	92
7	95	81	92	94	101	110	87	95	95	94
8	98	97	83	93	96	103	112	89	97	97
9	105	111	110	94	106	108	117	127	100	110
10	110	105	110	110	93	105	108	116	126	100
11	126	109	104	109	109	93	104	107	115	125
12	119	124	108	102	108	107	91	103	105	113
TOTAL	1,296	1,291	1,277	1,271	1,272	1,269	1,268	1,282	1,281	1,278
4K-4	475	484	482	464	469	467	465	463	461	459
5-8	360	358	363	391	387	389	383	366	373	370
9-12	461	449	432	415	416	413	420	453	447	449



Comparison of Projection Models

Figures 7-10 and Tables 12-15 compare the four enrollment projection models broken down by total 4K-12 district enrollment and by grade groupings.

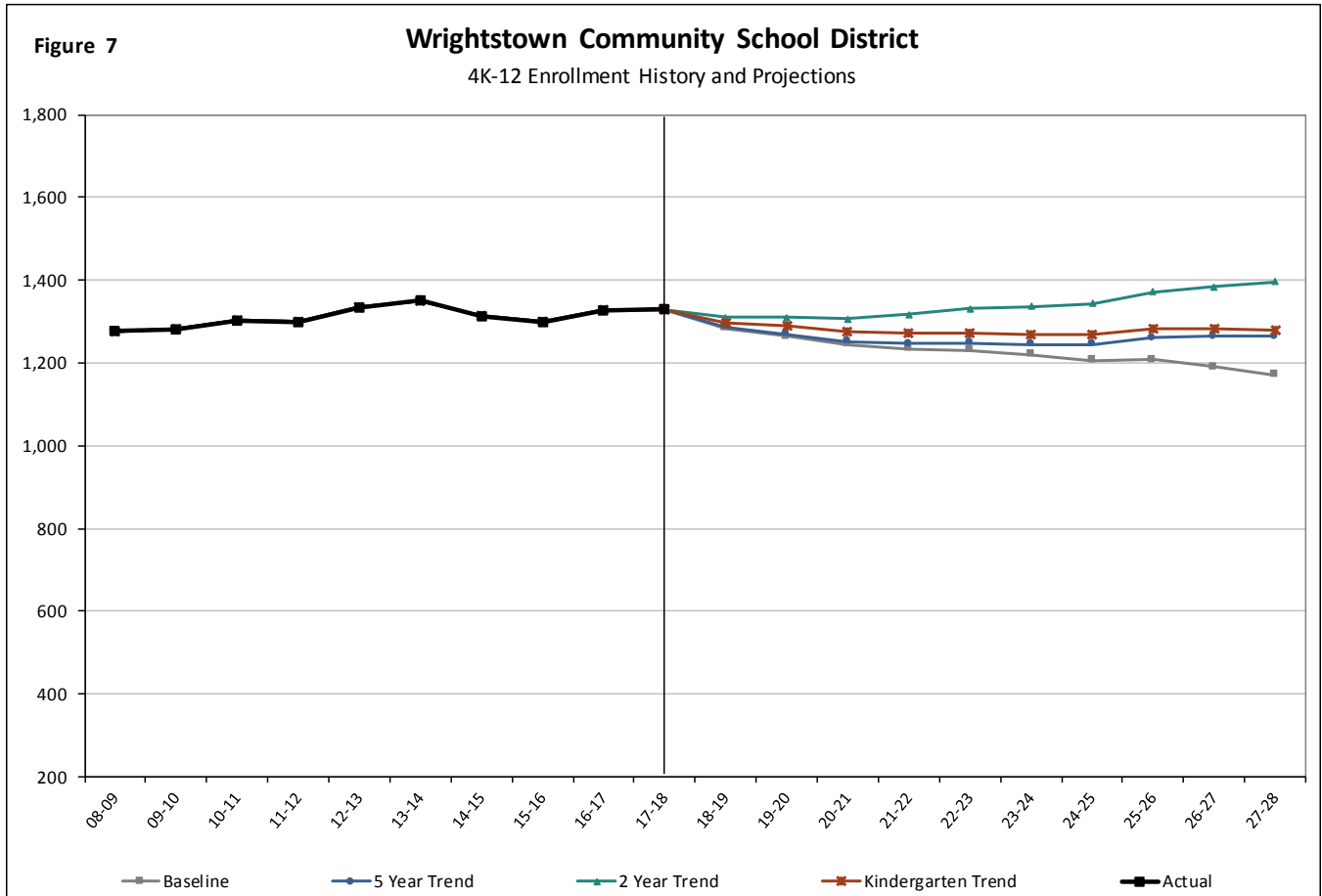


TABLE 12
Summary of 4K-12 Enrollment Projections
Wrightstown Community School District

	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
Baseline	1,284	1,264	1,244	1,235	1,231	1,221	1,207	1,207	1,191	1,172
5 Year Trend	1,287	1,269	1,252	1,247	1,249	1,245	1,245	1,261	1,264	1,265
2 Year "Trend"	1,309	1,310	1,307	1,317	1,331	1,337	1,344	1,372	1,384	1,397
Kindergarten Trend	1,296	1,291	1,277	1,271	1,272	1,269	1,268	1,282	1,281	1,278

4K-12 enrollment is 1,330 and K-12 enrollment is 1,257 in the 2017/18 school years. The 2 Year "Trend" model projects slightly increasing enrollment over the next five years, while the other three models all project declining enrollment. 4K-12 enrollment projections five years from now (2022/23) forecast a range of enrollment from 1,231 to 1,331 students.



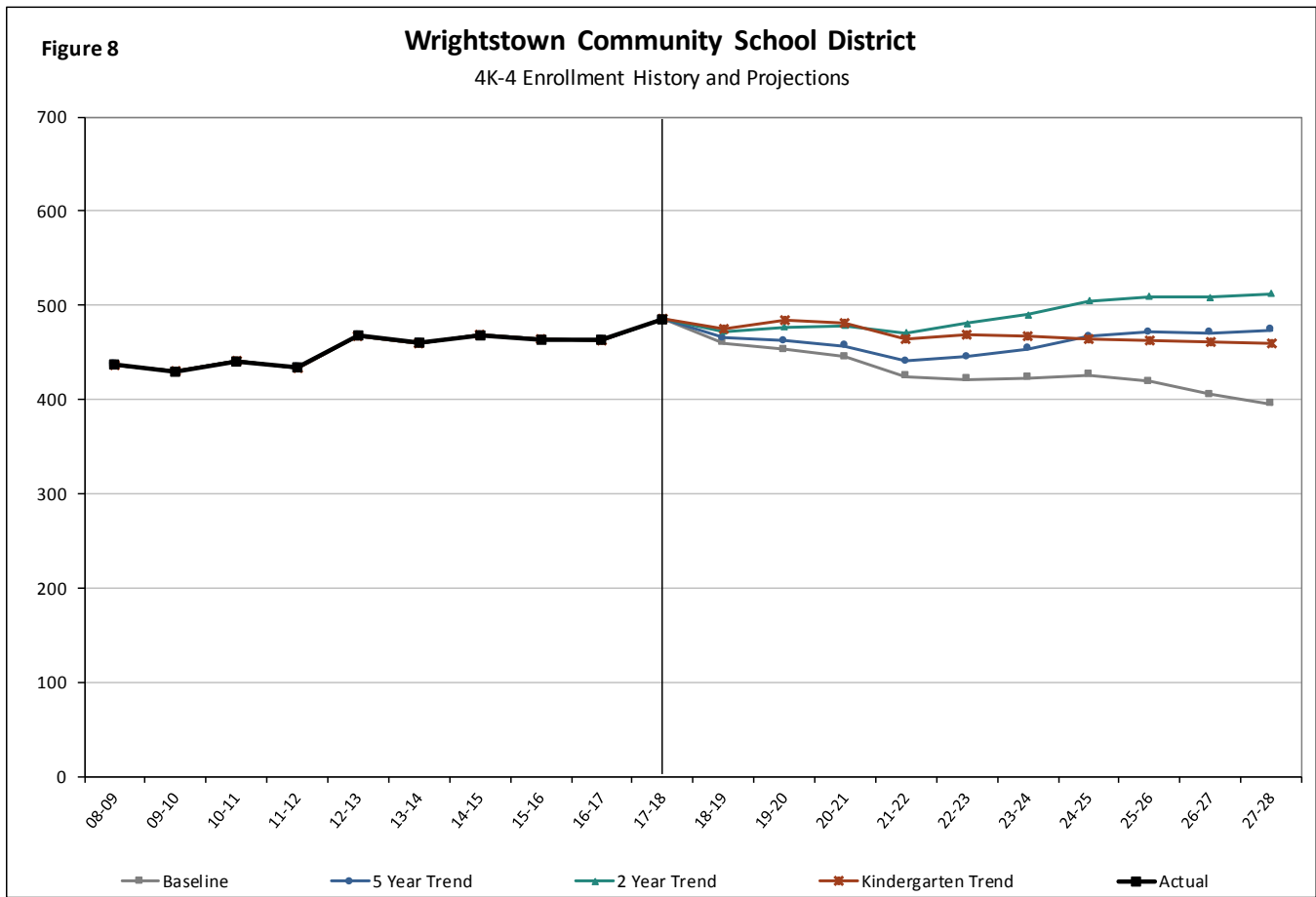


TABLE 13
Summary of 4K-4 Enrollment Projections
Wrightstown Community School District

	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
Baseline	460	453	445	425	422	423	426	419	406	396
5 Year Trend	465	463	457	441	446	454	467	472	471	474
2 Year "Trend"	473	477	479	471	481	490	505	510	509	512
Kindergarten Trend	475	484	482	464	469	467	465	463	461	459

Grades 4K-4 enrollment in the current school year is 486. The Baseline and 5 Year Trend models project decreasing elementary enrollment over the next five years. The 2 Year "Trend" and the Kindergarten Trend model project steady enrollment during this time period. Grades 4K-4 enrollment projections five years from now (2022/23) forecast a range of enrollment from 422 to 481.



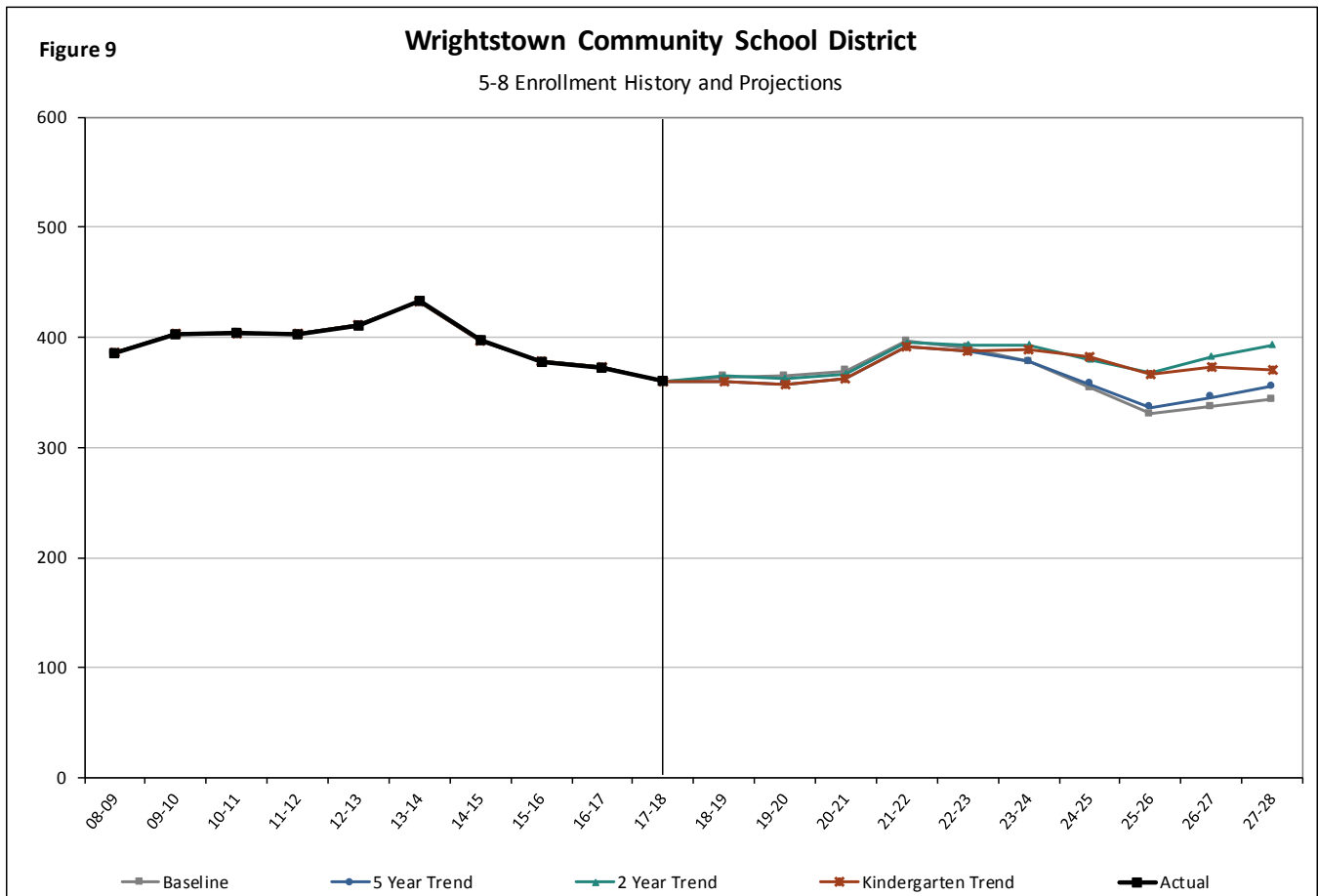


TABLE 14
Summary of 5-8 Enrollment Projections
Wrightstown Community School District

	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
Baseline	364	365	369	397	391	378	354	331	337	344
5 Year Trend	360	358	363	391	387	378	357	337	346	356
2 Year "Trend"	365	363	367	395	393	393	380	367	383	393
Kindergarten Trend	360	358	363	391	387	389	383	366	373	370

Grades 5-8 enrollment in 2017/18 is 360. All models project steady enrollment over the next three years followed by an increase in enrollment. Grades 5-8 enrollment projections five years from now (2022/23) predict a range of enrollment from 387 to 393.



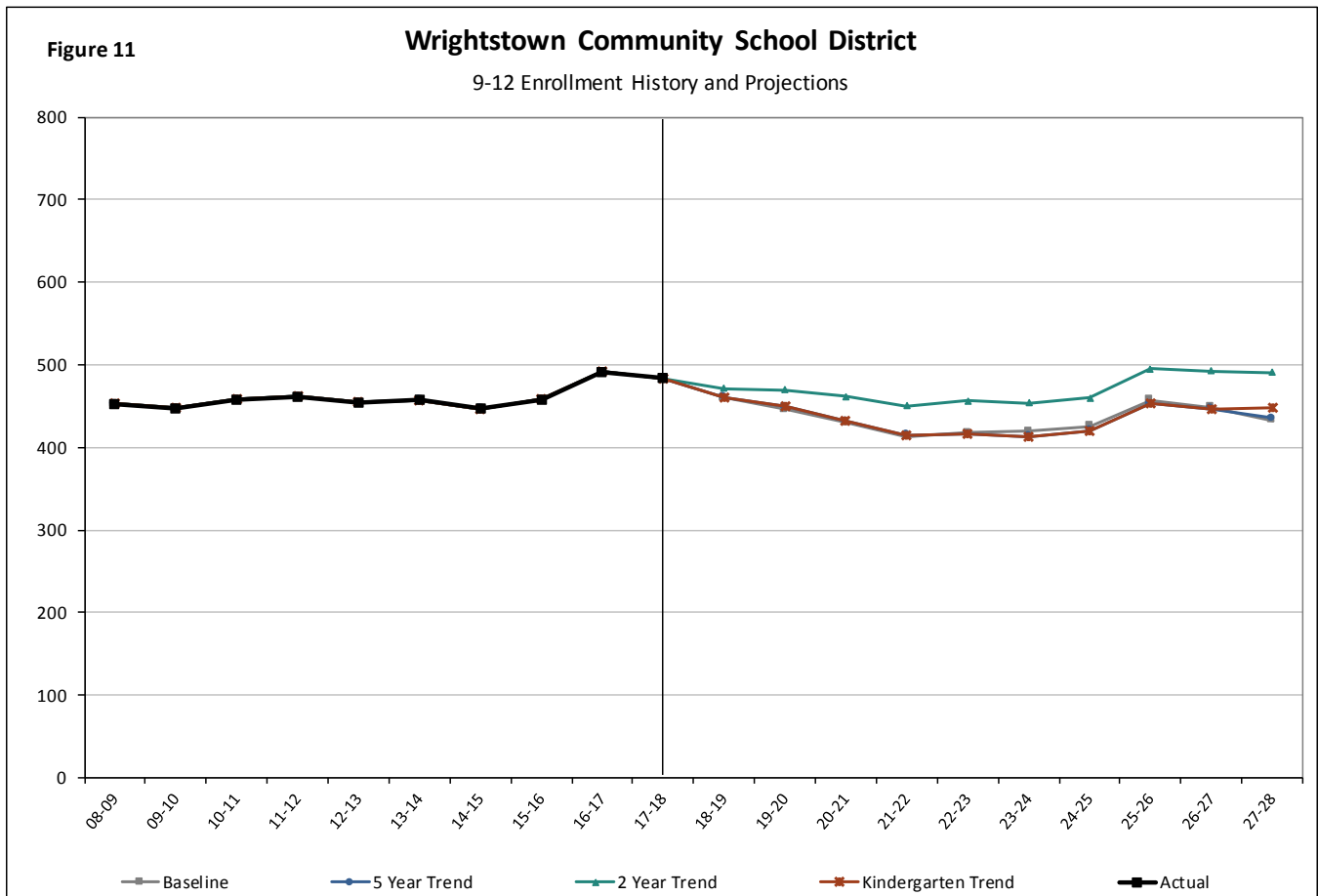


TABLE 15
Summary of 9-12 Enrollment Projections
Wrightstown Community School District

	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
Baseline	460	446	430	413	418	420	426	457	449	432
5 Year Trend	461	449	432	415	416	413	420	453	447	435
2 Year "Trend"	472	470	462	450	456	454	460	495	492	491
Kindergarten Trend	461	449	432	415	416	413	420	453	447	449

High school enrollment this current school year is 484. All projection models are projecting declining high school enrollment over the next five years, with the 2 Year "Trend" forecasting the smallest decrease. Grades 9-12 enrollment projections five years from now (2022/23) project a range of enrollment from 416 to 456.



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 projections suggest there will be slowly declining 4K-12 enrollment in the Wrightstown Community School District in the near future. After five years the models vary depending on the assumptions made on future births, kindergarten enrollment, and housing development. In the district, the number of births and students enrolled in kindergarten over the past decade have varied quite a bit and has resulted in fluctuating enrollment. If more recent trends continue elementary school enrollment should stay fairly steady or slightly decline over the next five years. Middle school enrollment will remain steady for three years followed by increasing enrollment. High school enrollment is projected to decline due to small classes in the middle school moving to high school over the next few 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.

