

Enrollment Forecast 2015/16 to 2025/26



*Avon Community Schools
Final Report*

Prepared by
Susan Brudvig, PhD
February 2016

Contents



1. Walk Pack..... pages 03 - 15
2. Full Report..... pages 16 - 52
3. Forecast Tables..... pages 53 - 60
4. Narrative..... pages 61 - 65
5. Data Appendix..... pages 66 - 67
appendix 1 - 9

1. Walk Pack



12-page slide deck for public presentation
Also available as a handout for distribution

Enrollment Forecast 2015/16 to 2025/26



Avon Community Schools

Presentation Summary

Prepared by

Susan Brudvig, PhD

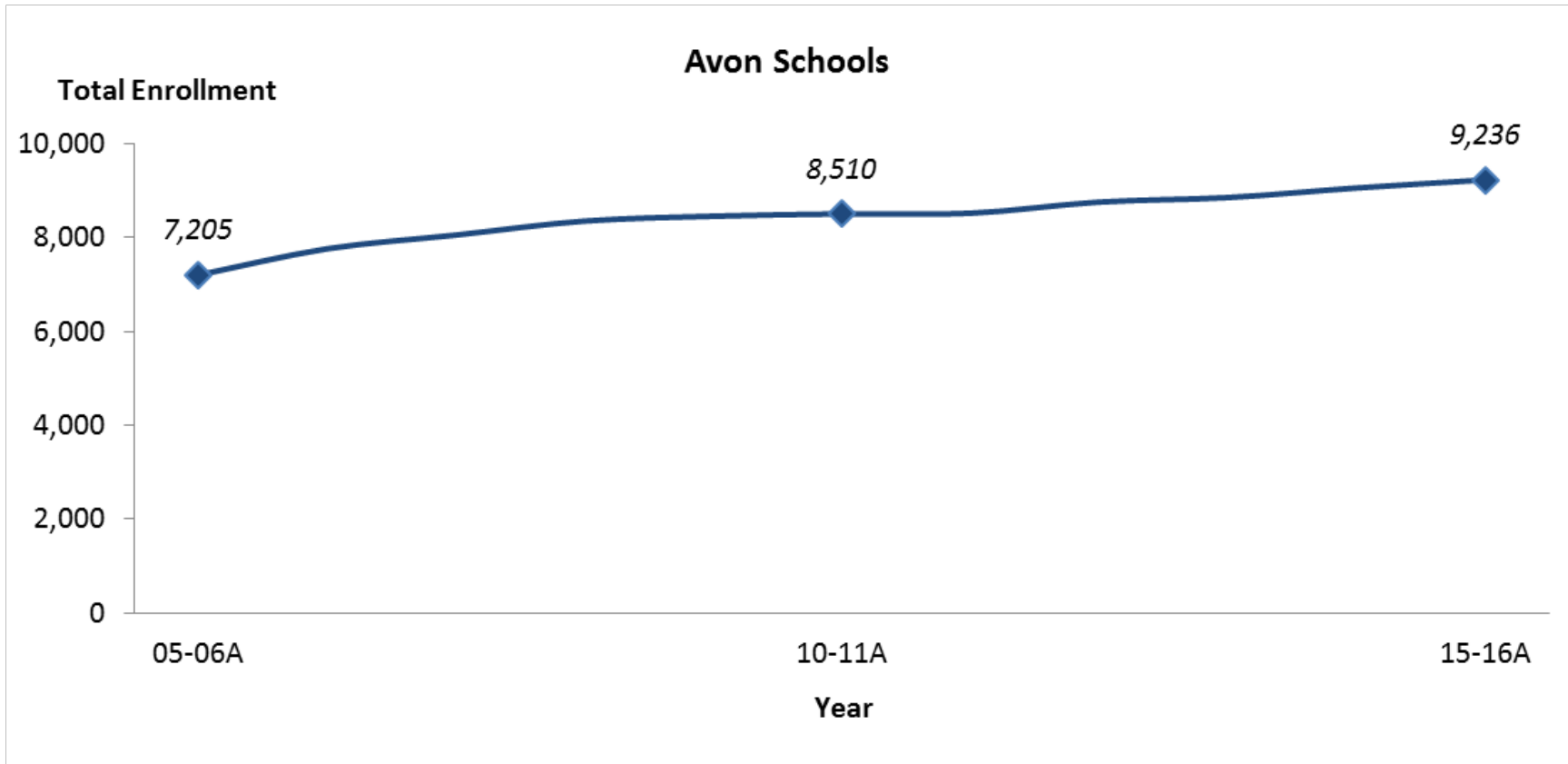
February 2016

Key Take-Aways



- What predicts the number of students tomorrow?
 - Students Today
 - Residential Construction
 - Enrollment change has mirrored new residential construction.
 - For every 100 newer homes, there are 80 children on average. For every 100 apartments, there are 40 children on average.
 - Home-owners may “age in place,” in which case households will contain more “empty nests.” Without sufficient levels of residential construction, enrollments would decline.
 - Births
 - The number of births to Hendricks County residents peaked in 2011.
- Enrollment change
 - Residential building & expected infrastructure improvements will encourage growth in school enrollment.
 - As larger cohorts progress and replace smaller cohorts, more robust growth will occur at the upper grade levels.

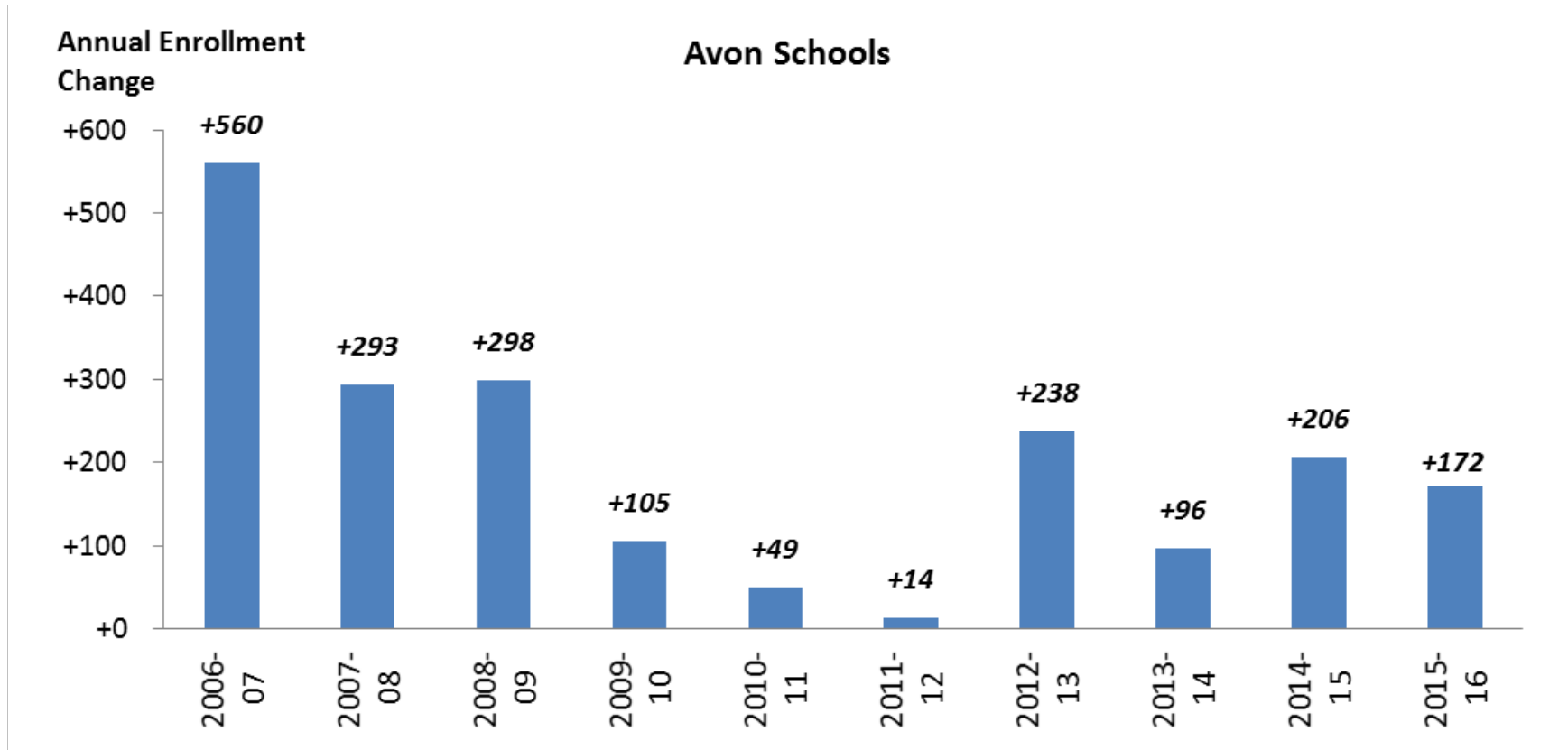
Enrollment



Over the last 10 years, enrollment has grown by 2000 students, 7200 students to over 9200.

Source: ADM Corporation enrollments with Kindergarten counted as whole students (not 0.5 students).

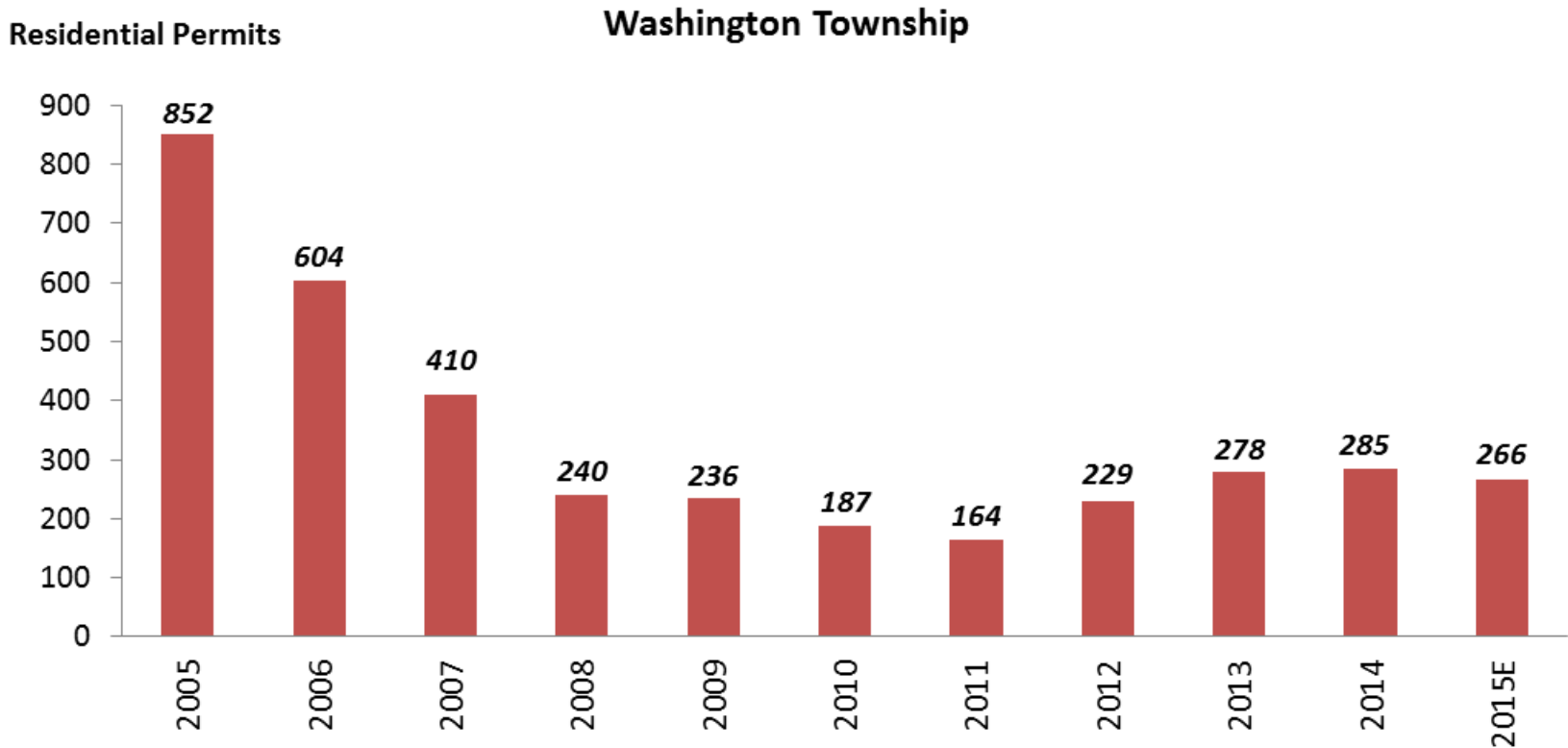
Enrollment Change



In every school year, enrollment has increased over the previous year.

Source: ADM Corporation enrollments with Kindergarten counted as whole students (not 0.5 students).

Residential Construction



Enrollment growth has mirrored new home construction.

Source: Avon Schools, BAGI, US Census Bureau.

Children by Type of Structure



- For every 100 newer single-family homes, there are
 - 180 are adults
 - 80 children, of which 50 children are school-age (5-17 years)
- For every 100 apartments, there are
 - 150 adults
 - 40 children, of which 30 children are school-age (5-17 years)

On average, there are more children in single-family units than in multi-family units.

Source: US Census Bureau, AHS 2011 for Indianapolis Metro Area, based on sample data. Computed by author from PUMS data provided by Bureau.

Note: Single family homes are newer units (2 years on average). Multi-family units may be any age (includes new and old construction).

“Aging in Place”



Washington Township Hendricks County	Census 2000	Census 2010	Forecast 2020
Total Population	26,517	44,764	53,373
Population, Age 50+	5,792	11,836	16,198
% Total Population	22%	26%	30%
Total Households	9,329	15,814	18,807
Householders, Age 55+	2,246	5,056	7,222
% Total Households	24%	32%	38%

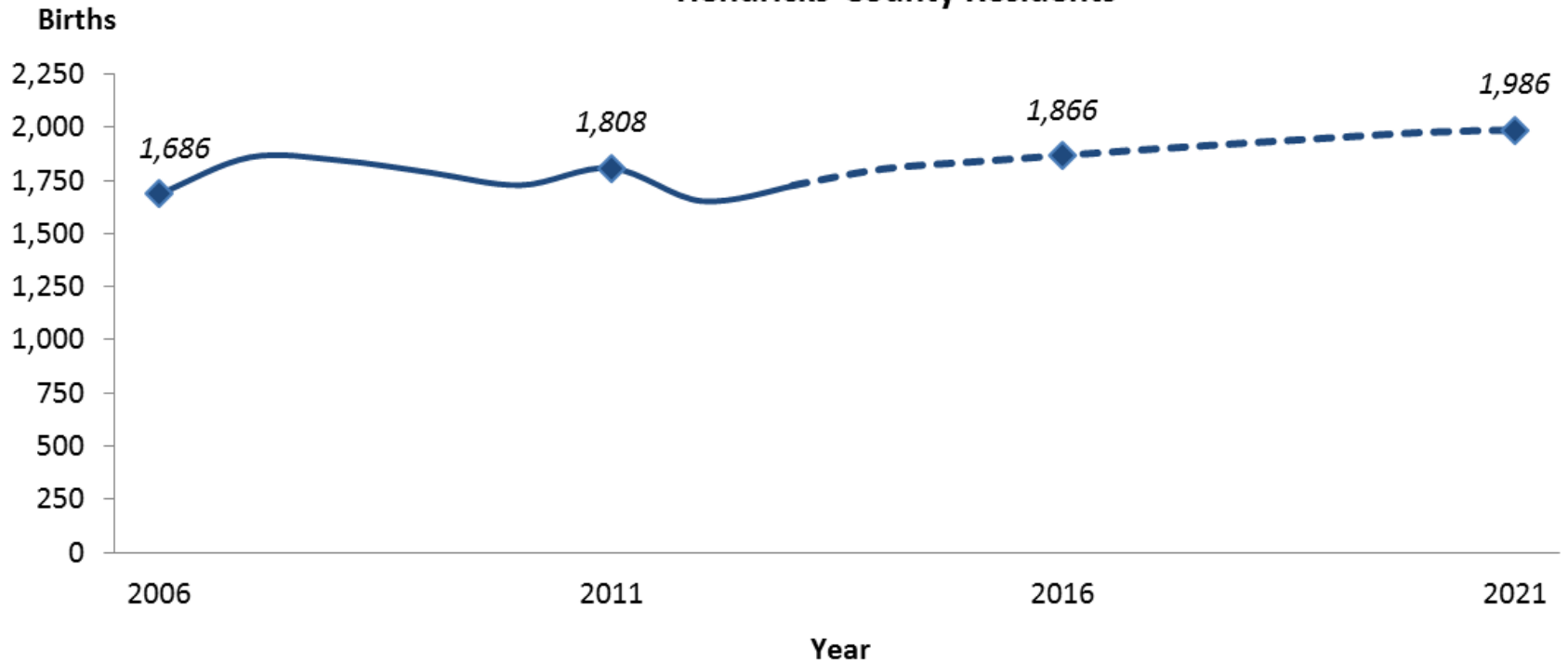
The population will grow older, both in number and in share. Householders also become older, with a larger number and percent of households headed by persons age 55+.

Source: US Census Bureau (counts in 2000 & 2010), ESRI (forecast in 2020).

Births



Hendricks County Residents



The number of births to county residents peaked in 2011. Following state and national trends, county births are expected to slowly increase. About 1/3 of babies enter Avon's Grade 1 later.

Source: Births by IN State Dept of Health. Projected births (2013+) by author.

Forecast Assumptions



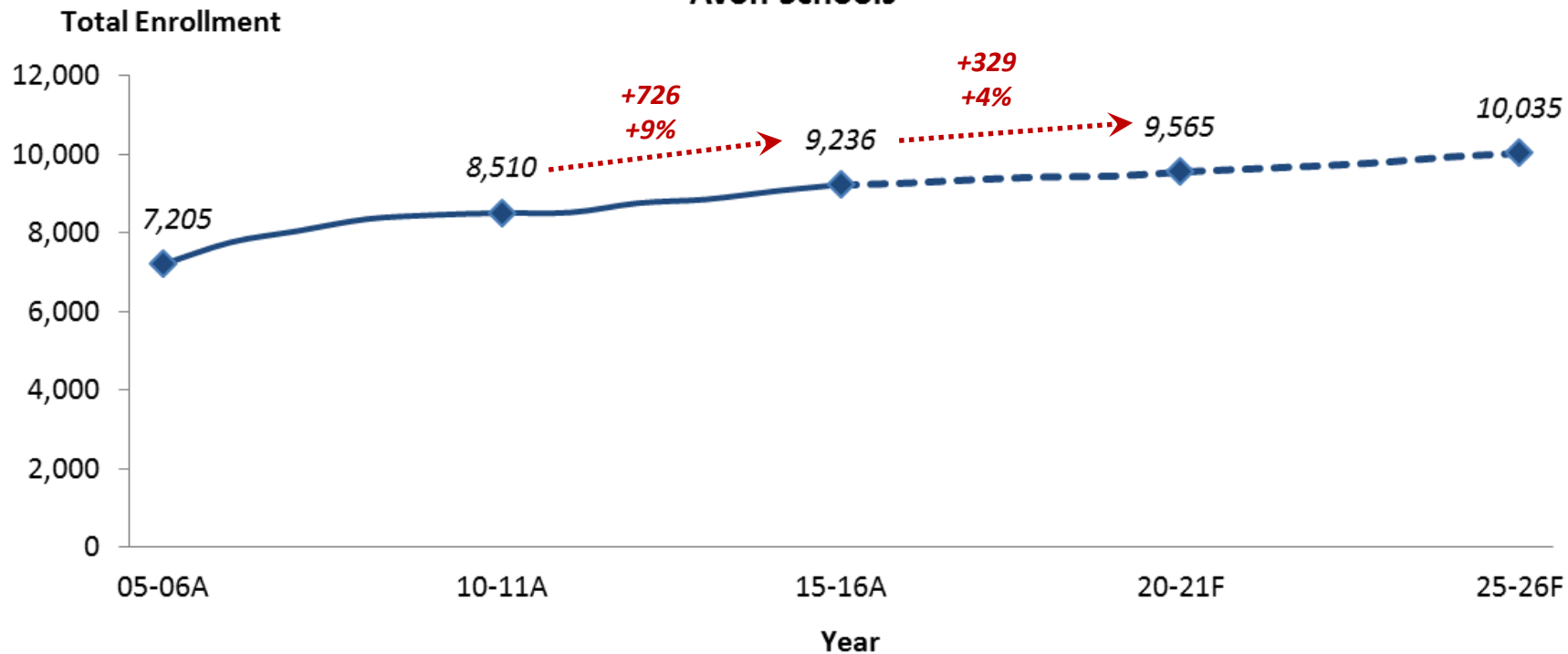
15/16 to 25/26	Base ("Most Likely") Forecast
Births	<ul style="list-style-type: none">• Birth to county residents increase• Share of county births to township declines
Residential Building & Development	<ul style="list-style-type: none">• Building in active subdivisions• Limited new residential development in short run• Limited housing turnover ("aging in place")
Infrastructural Improvements	<ul style="list-style-type: none">• Ronald Reagan Parkway and Avon Ave (267) Bridge• Ease congestion & commutes, Increases access to community• Supports residential development in the long run
New Units	<ul style="list-style-type: none">• Number of new units increases from current levels to 400 per year over next 10 years

Base Forecast

Total



Avon Schools

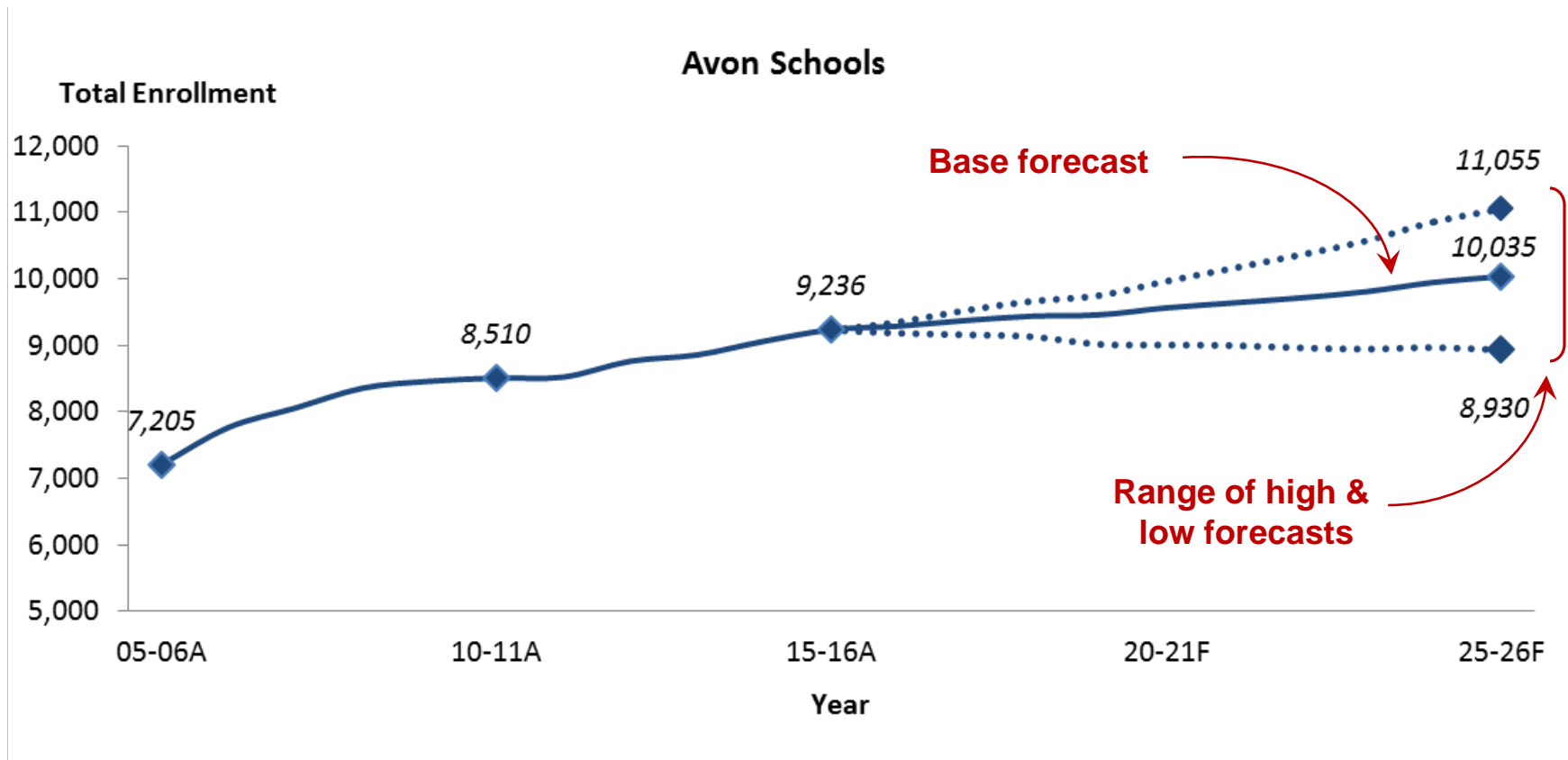


Note: A indicates actual enrollment; F indicates enrollment forecast.

Forecast Range



Avon Schools



Note: A indicates actual enrollment; F indicates enrollment forecast.

Base Forecast	15-16A	20-21F	25-26F
Total	9,236	9,565	10,035
K-4	3,362	3,365	3,555
5-6	1,465	1,540	1,560
7-8	1,462	1,610	1,615
9-12	2,947	3,050	3,305



High Forecast	15-16A	20-21F	25-26F
Total	9,236	9,970	11,055
K-4	3,362	3,520	3,815
5-6	1,465	1,645	1,740
7-8	1,462	1,695	1,845
9-12	2,947	3,110	3,655

Low Forecast	15-16A	20-21F	25-26F
Total	9,236	9,010	8,930
K-4	3,362	3,235	3,285
5-6	1,465	1,415	1,380
7-8	1,462	1,475	1,395
9-12	2,947	2,885	2,870

2. Full Report



Report details in slidedeck form
Additional materials as back-up slides

Summary of Key Findings



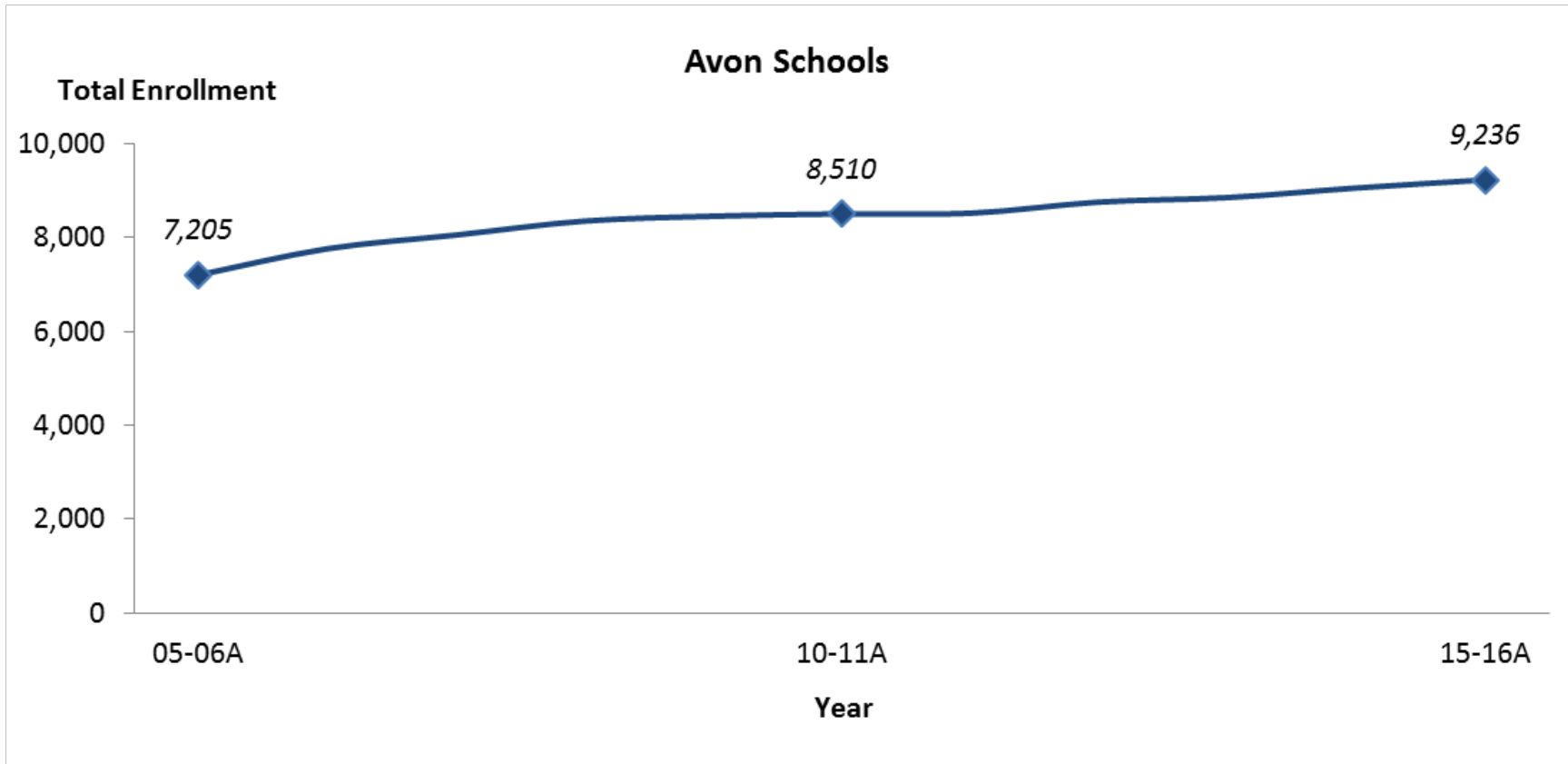
- The number of births to Hendricks County residents peaked in 2011.
 - However, the share of the county’s births attending Avon Schools is declining. As a result, elementary enrollment would decline without home building & turnover.
- New home construction
 - Enrollment change has mirrored new home building. For every 100 newer homes, there are an estimated 80 children.
 - Without sufficient levels of residential construction, enrollments would decline.
 - Home-owners may “age in place,” in which case households will contain more “empty nests.” Should housing turnover occur, enrollments could increase without home building (e.g., Wayne Township, Marion County).
- Enrollment change
 - Residential building & expected infrastructure improvements will encourage growth in school enrollment.
 - As larger cohorts progress and replace smaller cohorts, more robust growth will occur at the upper grade levels.

Forecast Methodology



- Enrollment forecast created with an event-based cohort progression technique
 - Incorporates data about current enrollment, estimated births, and expected home construction
 - Enrollment forecast is tied to residential building
- Drivers of Future Enrollment
 - Current students progressing from one grade to next
 - Residential construction impacts whether the number of students progressing increases (student in-migration)
 - Births impact number of students entering K & Gr1
 - Resident enrollment projected separately from transfer enrollment
- Strengths of method
 - Multiple techniques evaluated with best performing technique selected
 - Favored over more conservative demographic techniques
 - Focus on students who reside in district with transfers and placements added back to total

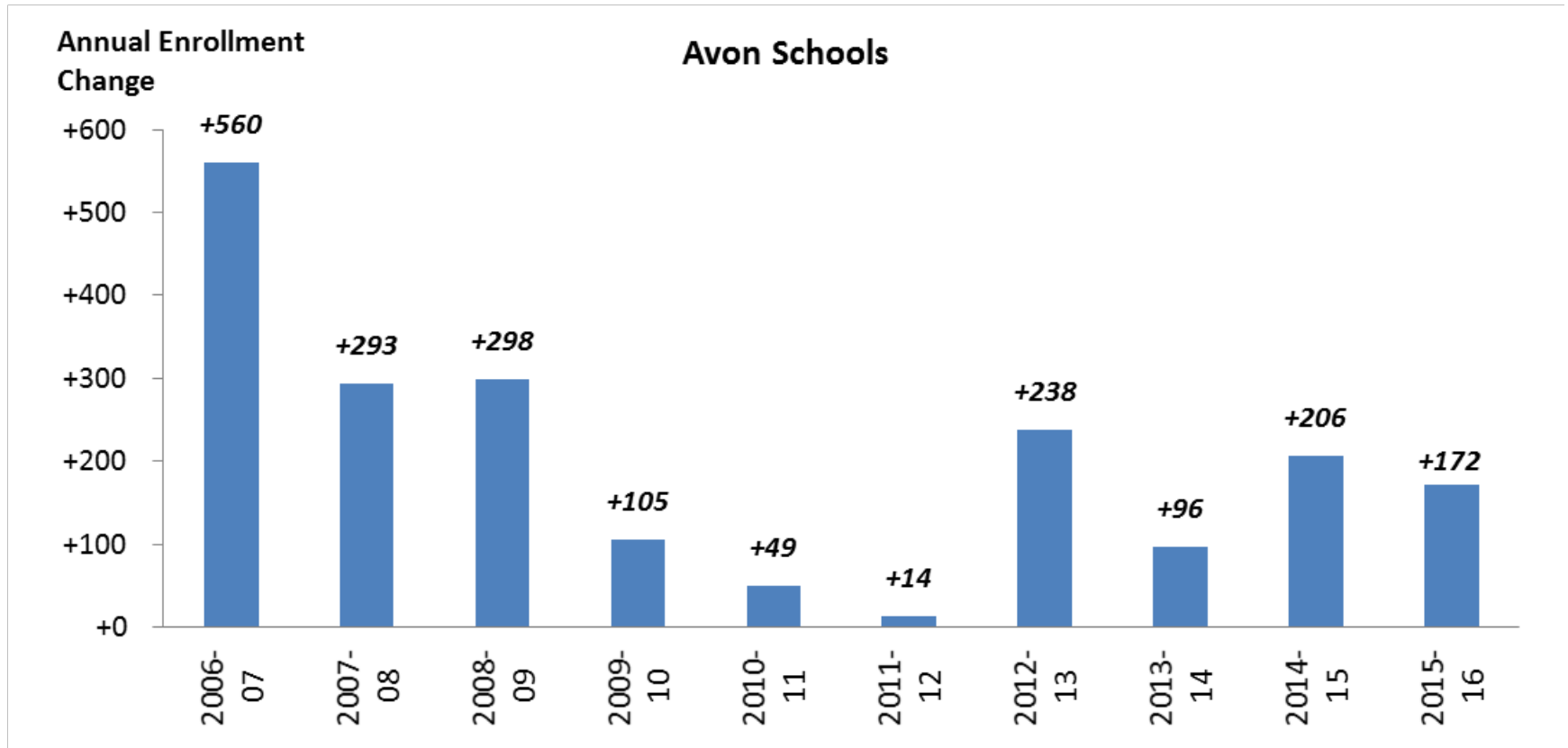
Enrollment



Over the last 10 years, enrollment has grown by 2000 students, 7200 students to over 9200.

Source: ADM Corporation enrollments with Kindergarten counted as whole students (not 0.5 students).

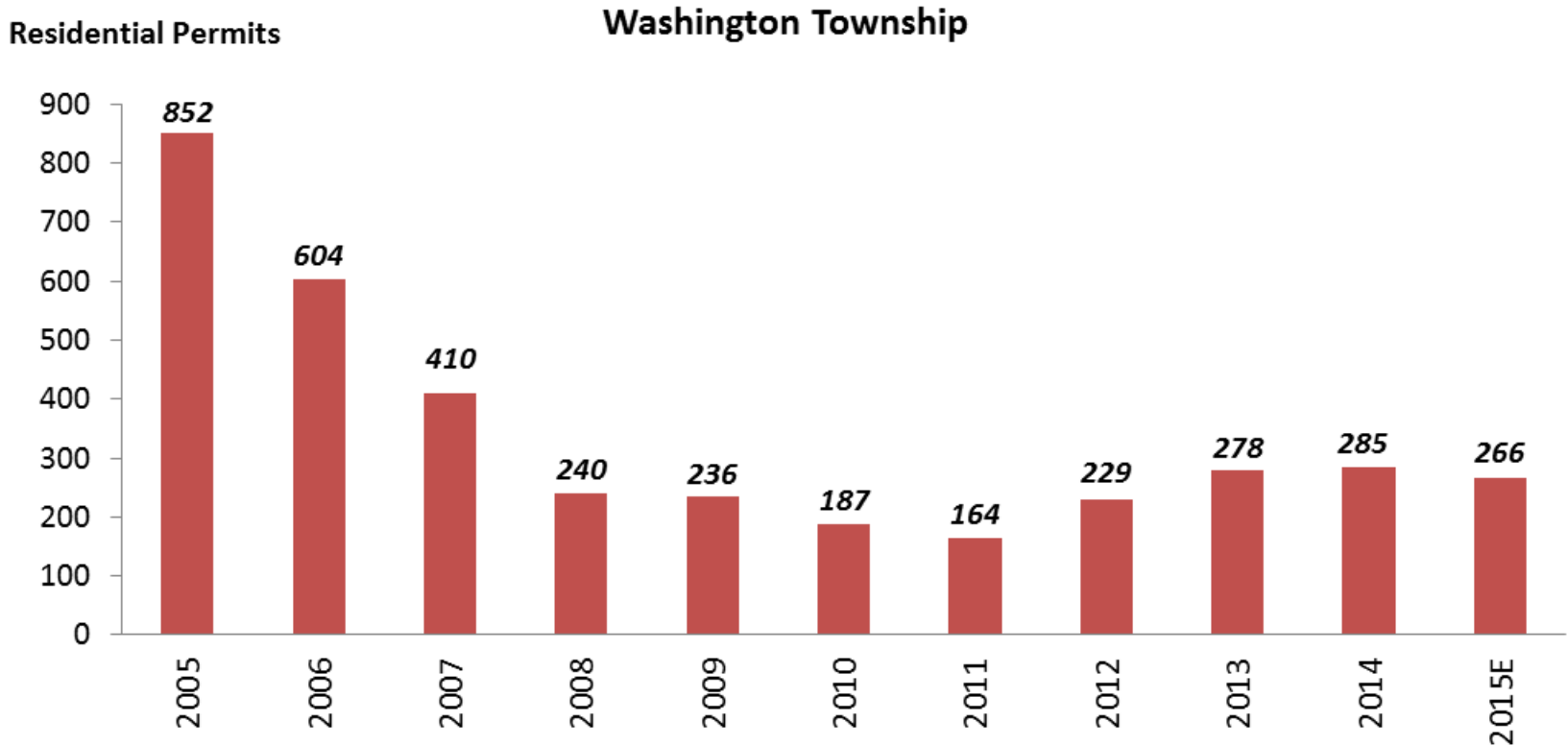
Enrollment Change



In every school year, enrollment has increased over the previous year.

Source: ADM Corporation enrollments with Kindergarten counted as whole students (not 0.5 students).

Residential Construction



Enrollment growth has mirrored new home construction.

Source: Avon Schools, BAGI, US Census Bureau.



New Construction

- Presence of children
 - Nearly half (45%) of new construction contains children
- For every 100 newer residential units
 - 180 adults
 - 80 children, of which 50 are school-age (5-17 years)
- Lower vacancy rates
 - 4% vacancy in new construction
 - 9% vacancy in older construction

Source: US Census Bureau, AHS 2011 for Indianapolis Metro Area. Computed by author.

Note: Newer construction is defined as residence built in last 4 years.

Children in New Construction



- Presence of children
 - Nearly half (45%) of new construction contains children
- For every 100 newer units by home value
 - Starter homes (units <\$130K)
 - 100 children, of which 70 are school-age (5-17 years)
 - Mid-range homes (units \$130K to \$214K)
 - 50 children, of which 30 are school-age (5-17 years)
 - Higher end of market (units \$215K)
 - 110 children, of which 60 are school-age (5-17 years)
 - Average of all homes (units of any value)
 - 80 children, of which 50 are school-age (5-17 years)

Source: US Census Bureau, AHS 2011 for Indianapolis Metro Area, based on sample data. Computed by author from PUMS data provided by Bureau.

Note: Newer construction is defined as residence built in last 4 years, 2007 to 2010. Home value reported by householder as of 2011.

Children by Type of Structure



- For every 100 newer single-family homes, there are
 - 180 are adults
 - 80 children, of which 50 children are school-age (5-17 years)
- For every 100 apartments, there are
 - 150 adults
 - 40 children, of which 30 children are school-age (5-17 years)

On average, there are more children in single-family units than in multi-family units.

Source: US Census Bureau, AHS 2011 for Indianapolis Metro Area, based on sample data. Computed by author from PUMS data provided by Bureau.

Note: Single family homes are newer units (2 years on average). Multi-family units may be any age (includes new and old construction).

New Construction



- Primary reason for choosing neighborhood:
 1. House
 2. Neighborhood
 3. Near friends/relatives
 4. Good schools
 5. Convenient for job or commute
 6. Leisure activities
 7. Other

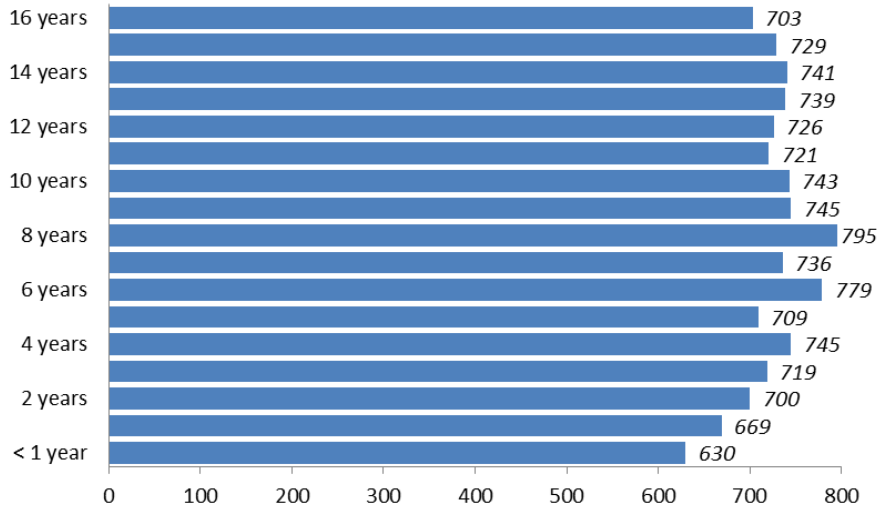
Source: US Census Bureau, AHS 2011 for Indianapolis Metro Area. Computed by author. Rank order.

Note: New construction is defined as residence built in last 4 years.

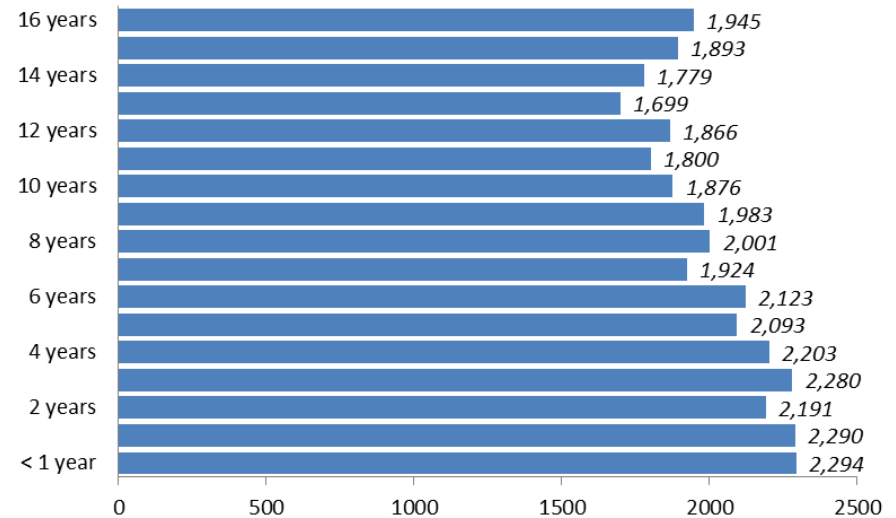
Population by Age (2010)



Washington Township



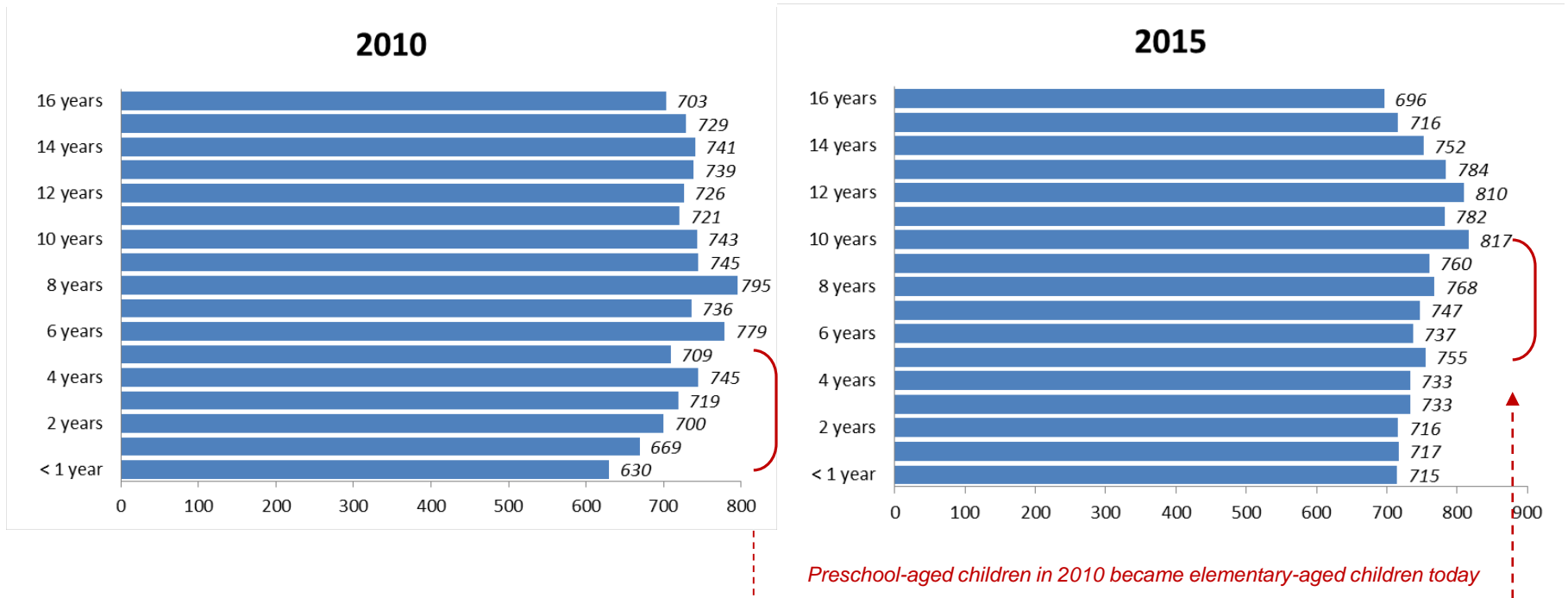
Wayne Township, Marion Co.



Compare the two townships. Without home building or in-migration, Avon's enrollments would decline. MSD Wayne enrollment will grow regardless.

Source: 2010 Census of Population & Housing, Persons living within township boundaries.

Washington Township



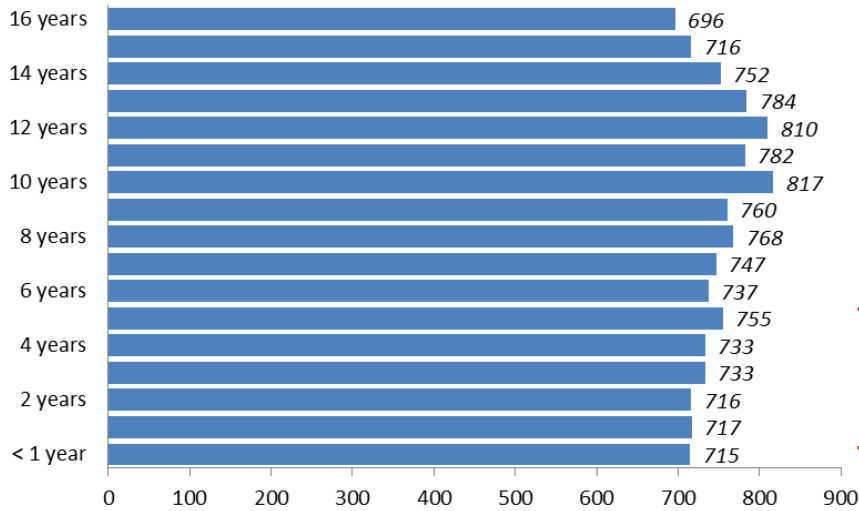
Residential construction occurring 2010-15 was sufficient to replace the number of elementary school age children. Enrollment did not grow.

Source: 2010 Census of Population & Housing, Persons living within township boundaries. 2015 estimates from ESRI.

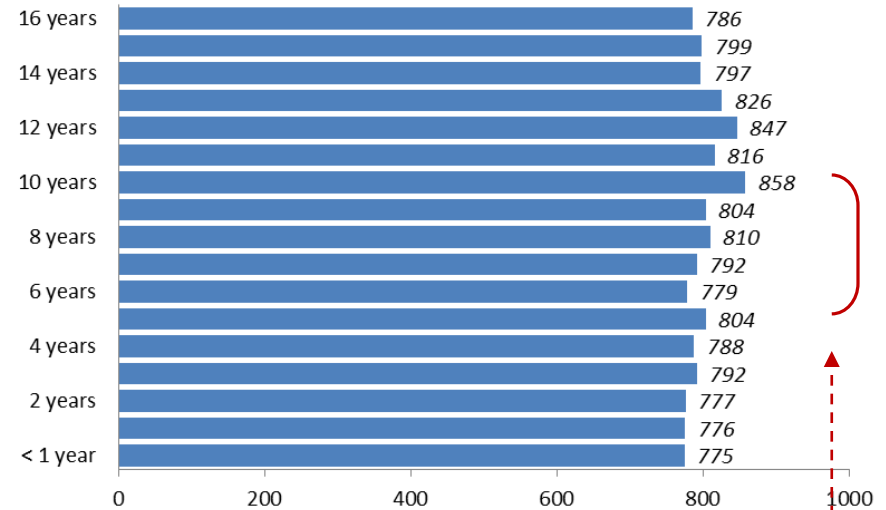
Washington Township



2015



2020



Preschool-aged children today become elementary-aged children in 5 years.

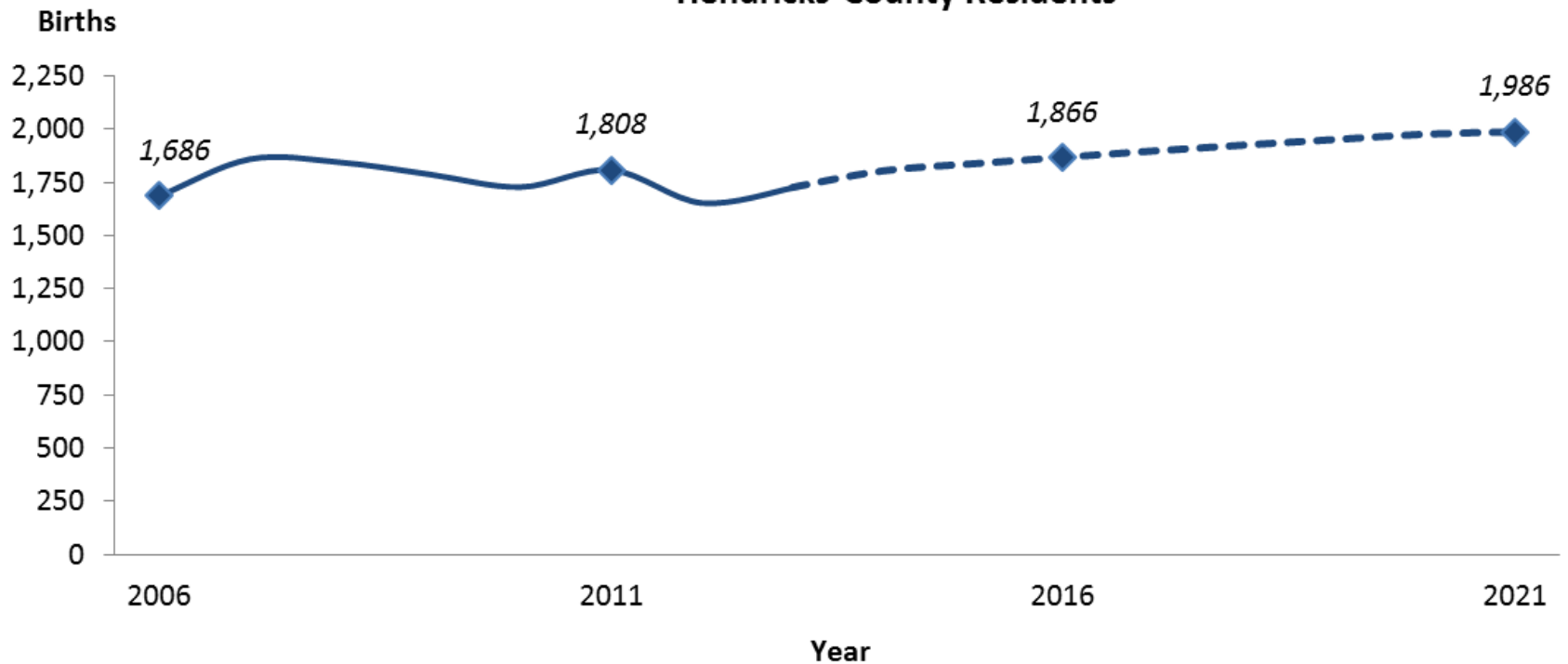
Elementary enrollment will grow if residential construction continues.

Source: 2015 estimate & 2020 forecast from ESRI.

Births



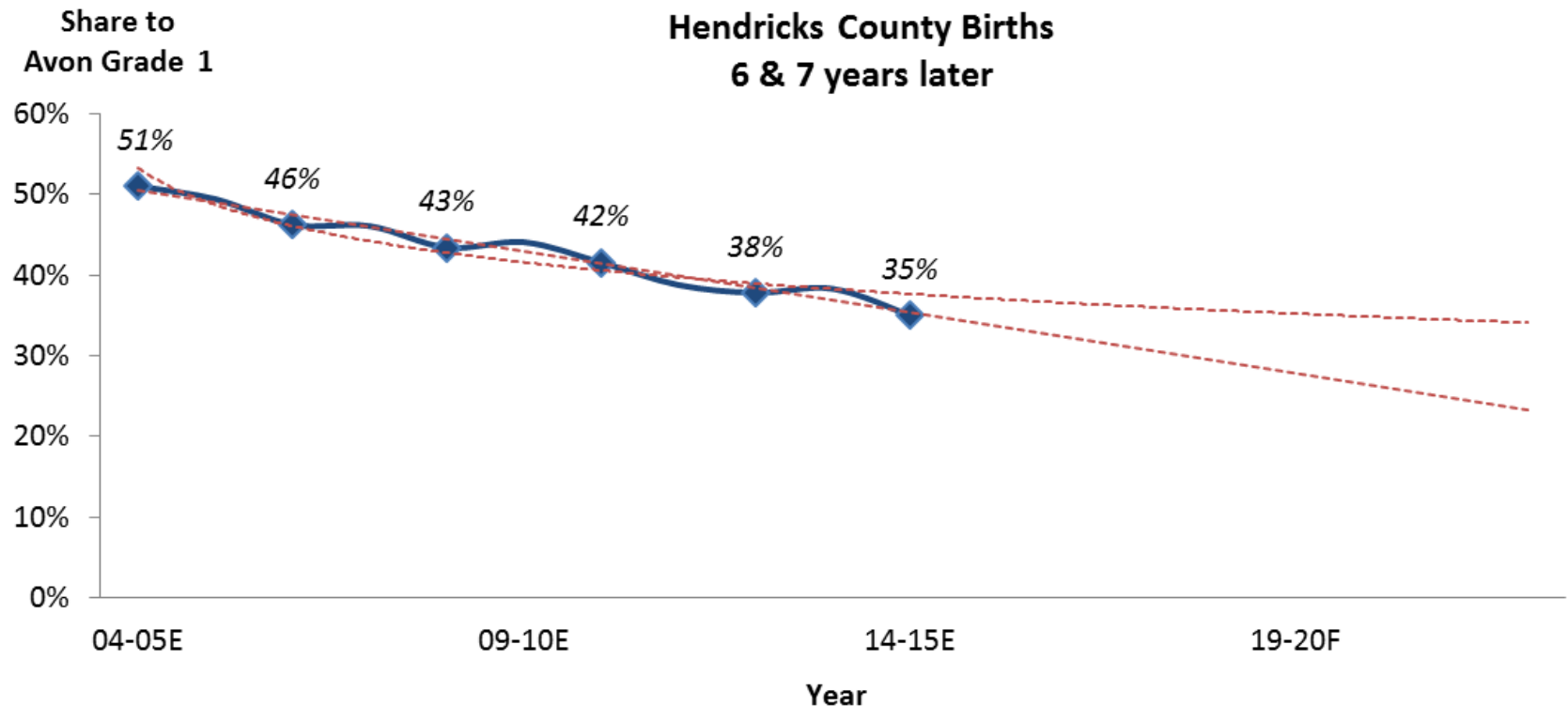
Hendricks County Residents



**The number of births to county residents peaked in 2011.
Following state and national trends, county births are expected to slowly increase.**

Source: Births by IN State Dept of Health. Projected births (2013+) by author.

Impact of Births on Enrollment



Data suggests enrollment growth comes from housing, not births.

Source: By author.

Private School Enrollment



School	Grades	Locale	2015	2014	2013	2012
Kingsway Christian	K-8	Avon	509	530	510	547
Our Shepherd Lutheran	K-8	Avon	142	136	125	150
St Malachy	K-8	B-burg	445	424	416	396
St Susanna	K-8	P-field	328	352	333	315
Crosspointe Baptist	K-12	Indpls	n/a	n/a	n/a	n/a
Chapelhill Christian	PK-1	Indpls	n/a	n/a	n/a	n/a
Covenant Christian High	9-12	Indpls	369	319	323	301
Area Total			1793	1761	1707	1709

Kingsway expected to relocate school, and an impact on public schools could be anticipated. However, the exact timing & impact remains uncertain. Moreover, enrollment at Kingsway is changing. Specifically, K-4 enrollment has declined approximately 170 students in 4 years.

Source: IN State Dept of Education.

Forecast Assumptions



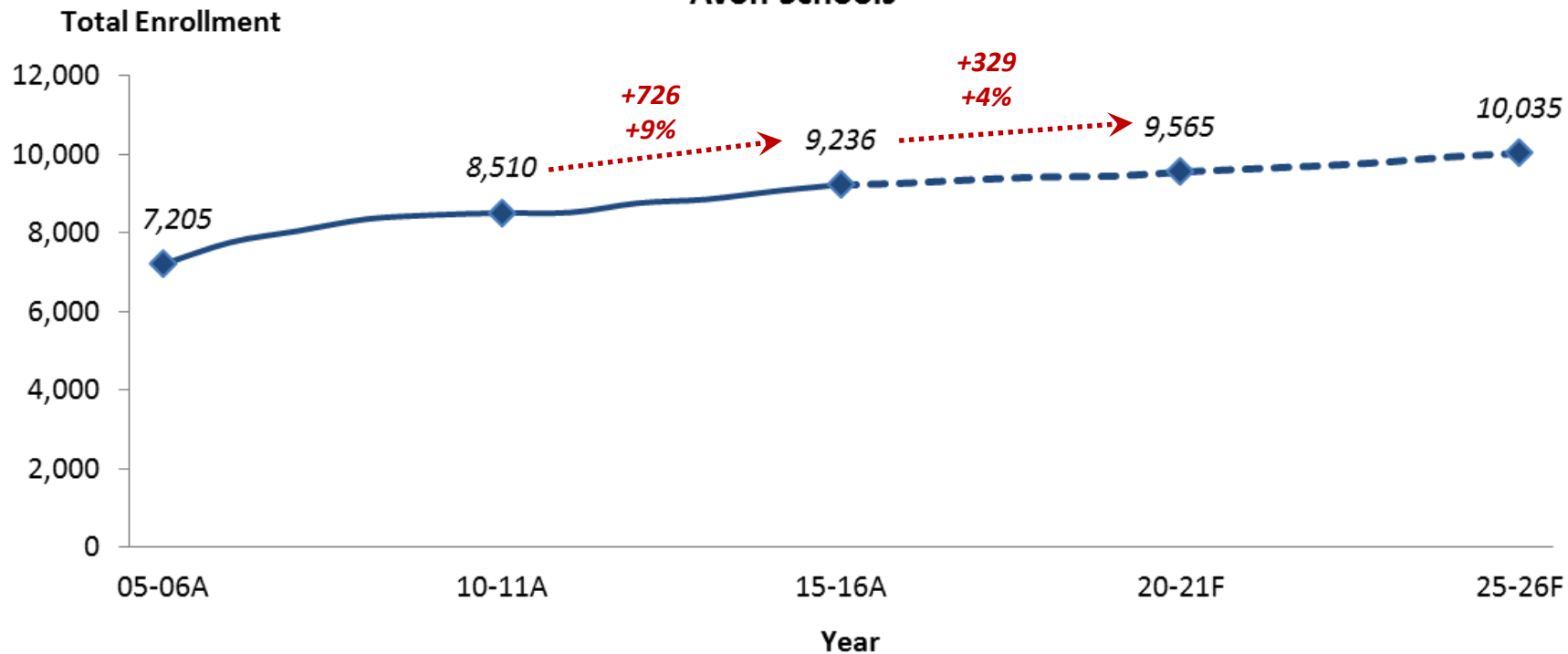
15/16 to 25/26	Base (“Most Likely”) Forecast
Births	<ul style="list-style-type: none"> • Birth to county residents increase • Share of county births to township declines
Residential Building & Development	<ul style="list-style-type: none"> • Building in active subdivisions • Limited new residential development in short run • Limited housing turnover (“aging in place”)
Infrastructural Improvements	<ul style="list-style-type: none"> • Ronald Reagan Parkway and Avon Ave (267) Bridge • Ease congestion & commutes, Increases access to community • Supports residential development in the long run
New Units	<ul style="list-style-type: none"> • Number of new units increases from current levels to 400 per year over next 10 years
Unknowns	<ul style="list-style-type: none"> • Resale of existing homes in the long-run (“aging in place” or turnover) • Impact of private school changes & reconfigurations, some change accounted for • Transfers & placements not expected to deviate from current patterns & trends

Base Forecast

Total



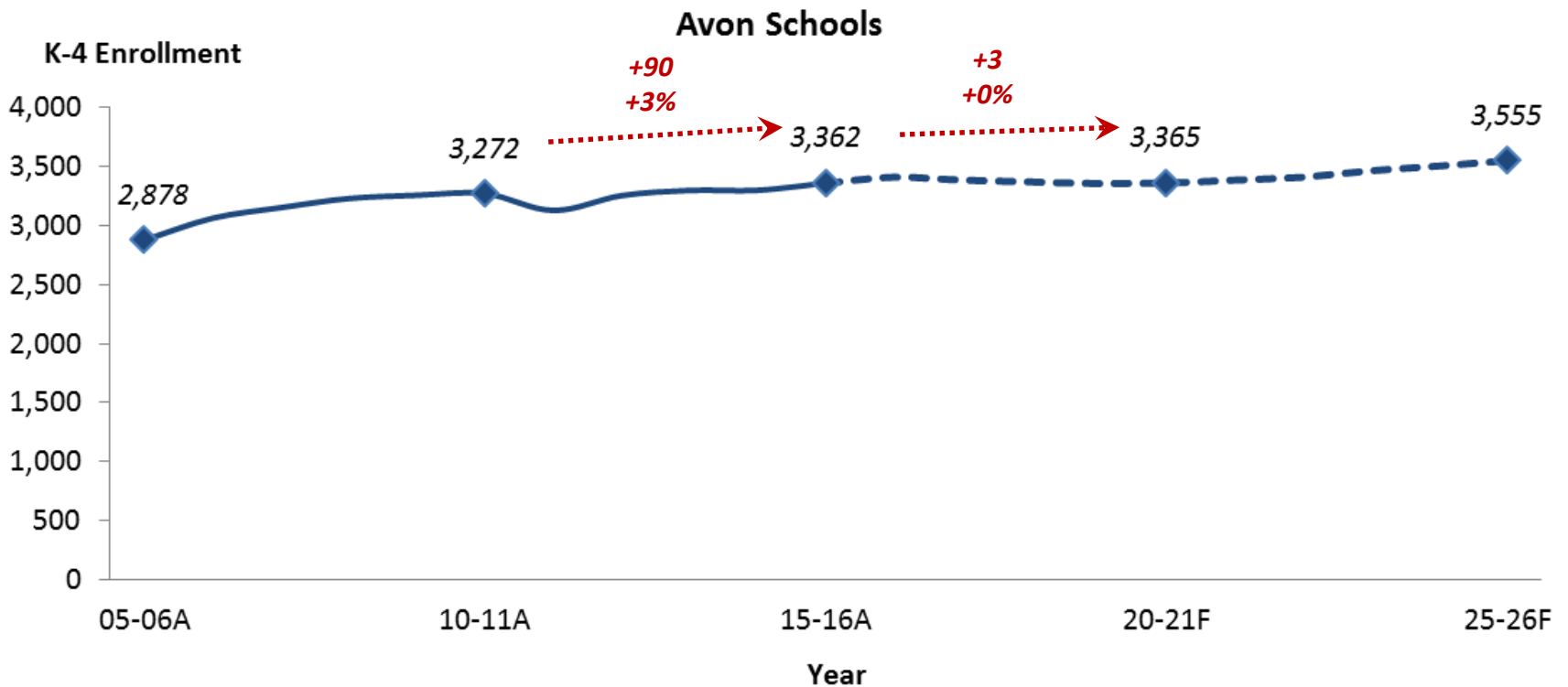
Avon Schools



Note: A indicates actual enrollment; F indicates enrollment forecast.

Base Forecast

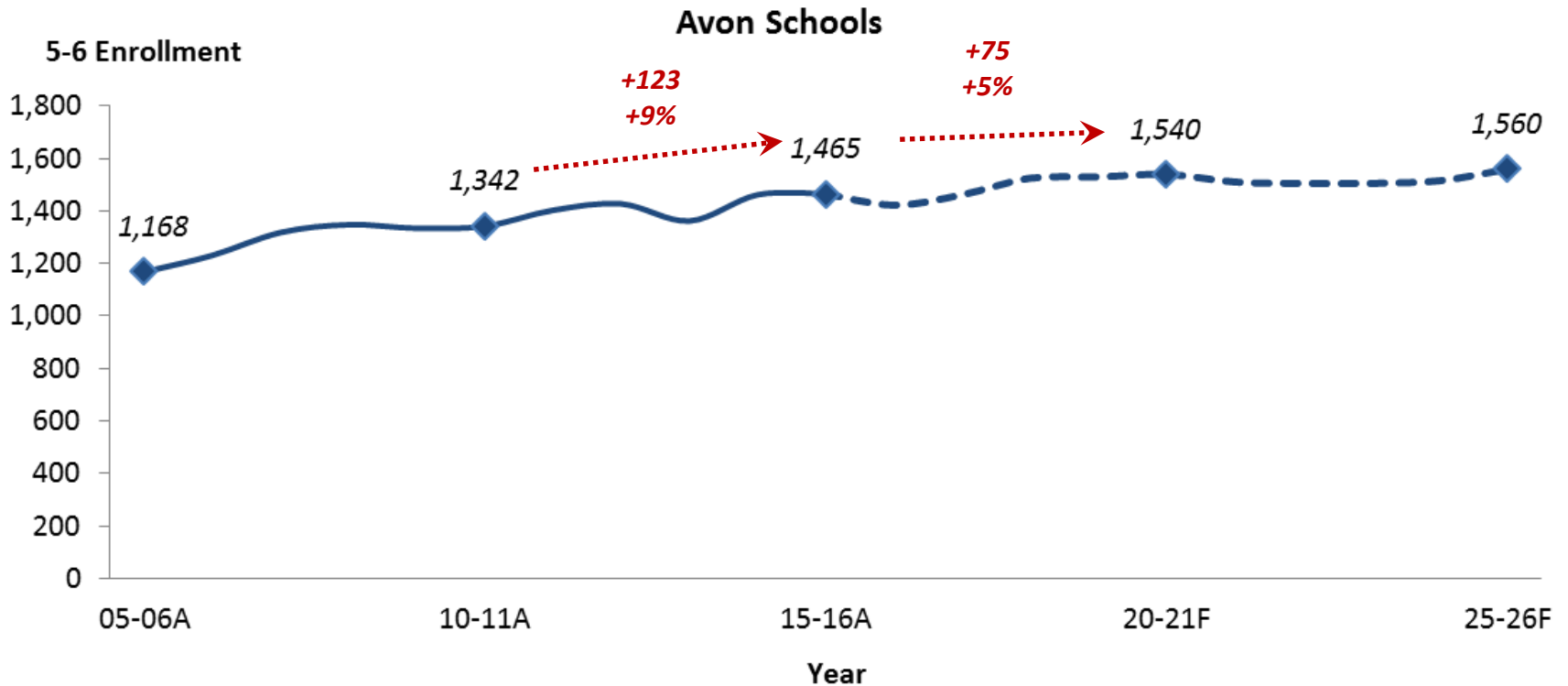
Kindergarten - Grade 4



Note: A indicates actual enrollment; F indicates enrollment forecast.

Base Forecast

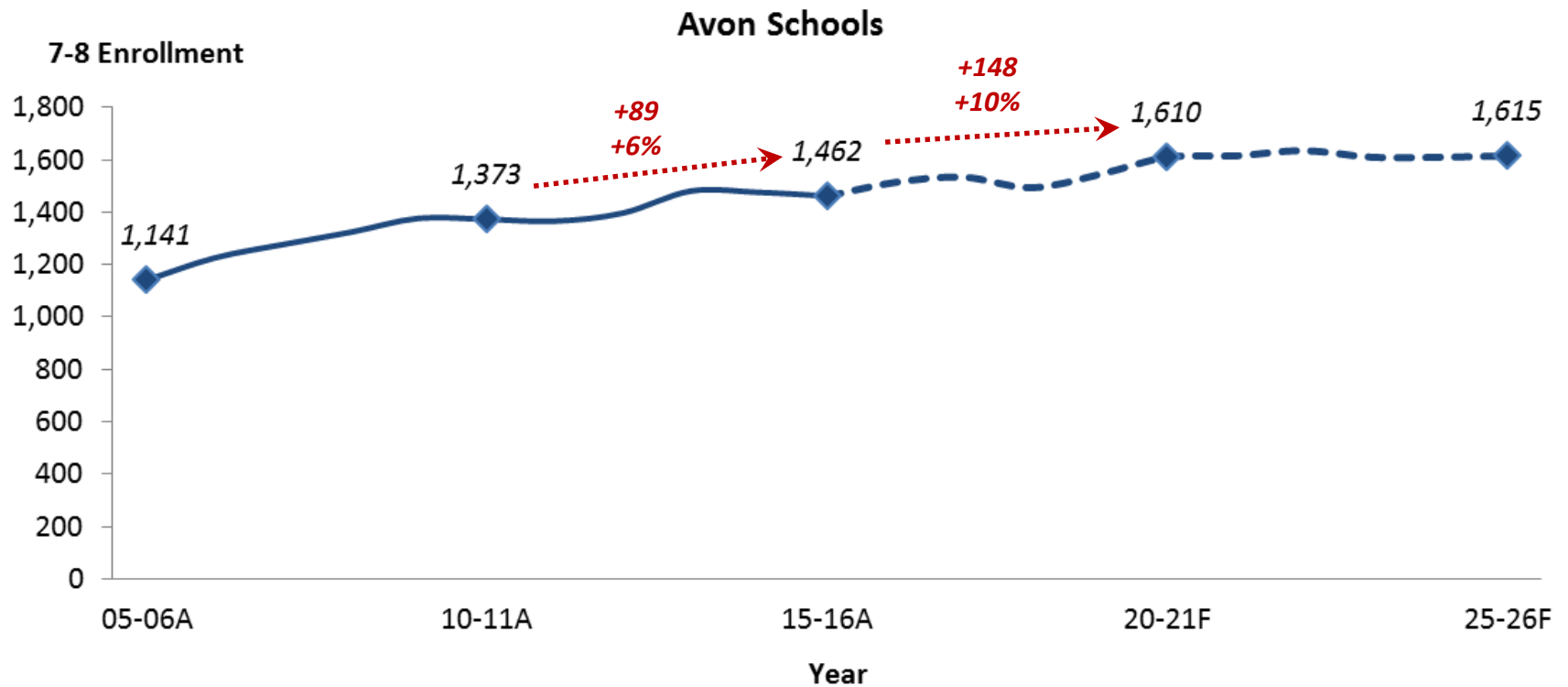
Grades 5-6



Note: A indicates actual enrollment; F indicates enrollment forecast.

Base Forecast

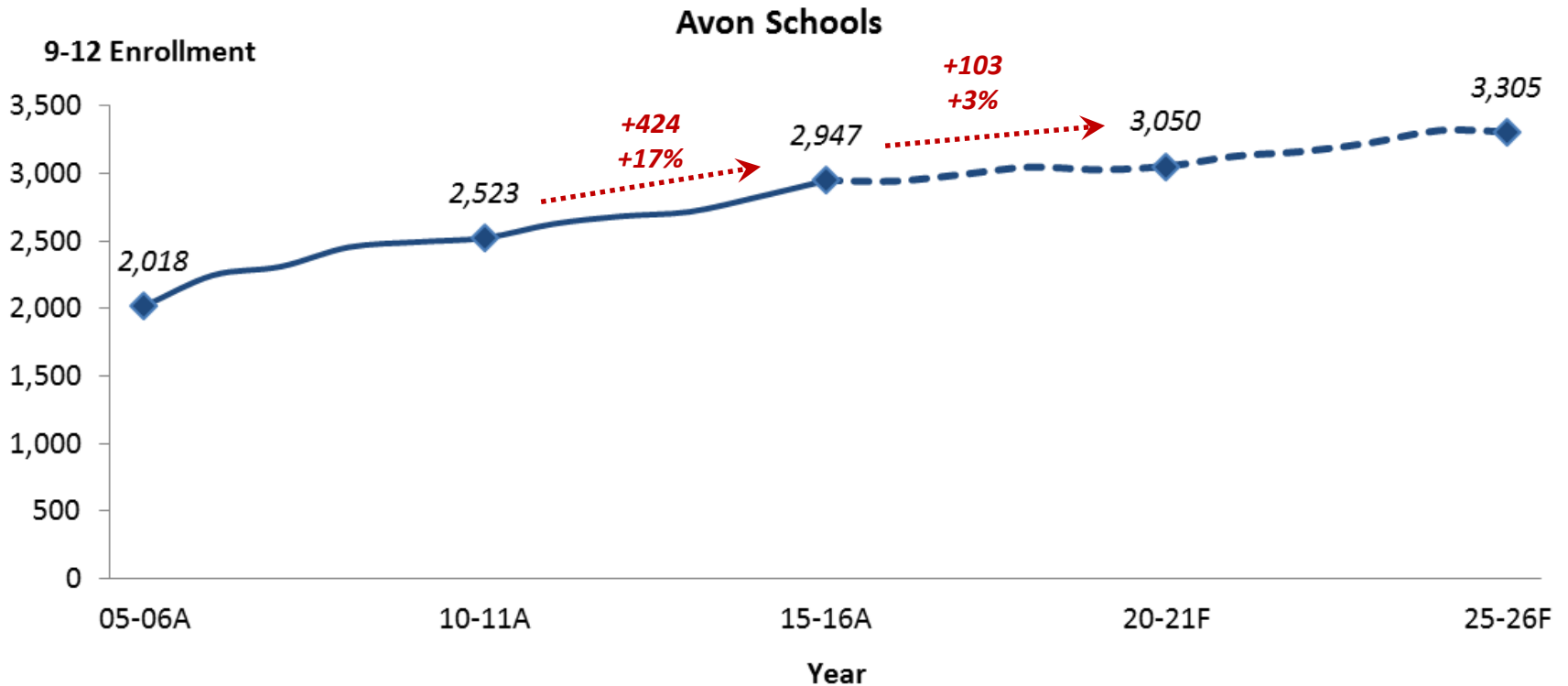
Grades 7-8



Note: A indicates actual enrollment; F indicates enrollment forecast.

Base Forecast

Grades 9-12



Note: A indicates actual enrollment; F indicates enrollment forecast.

Forecast Range

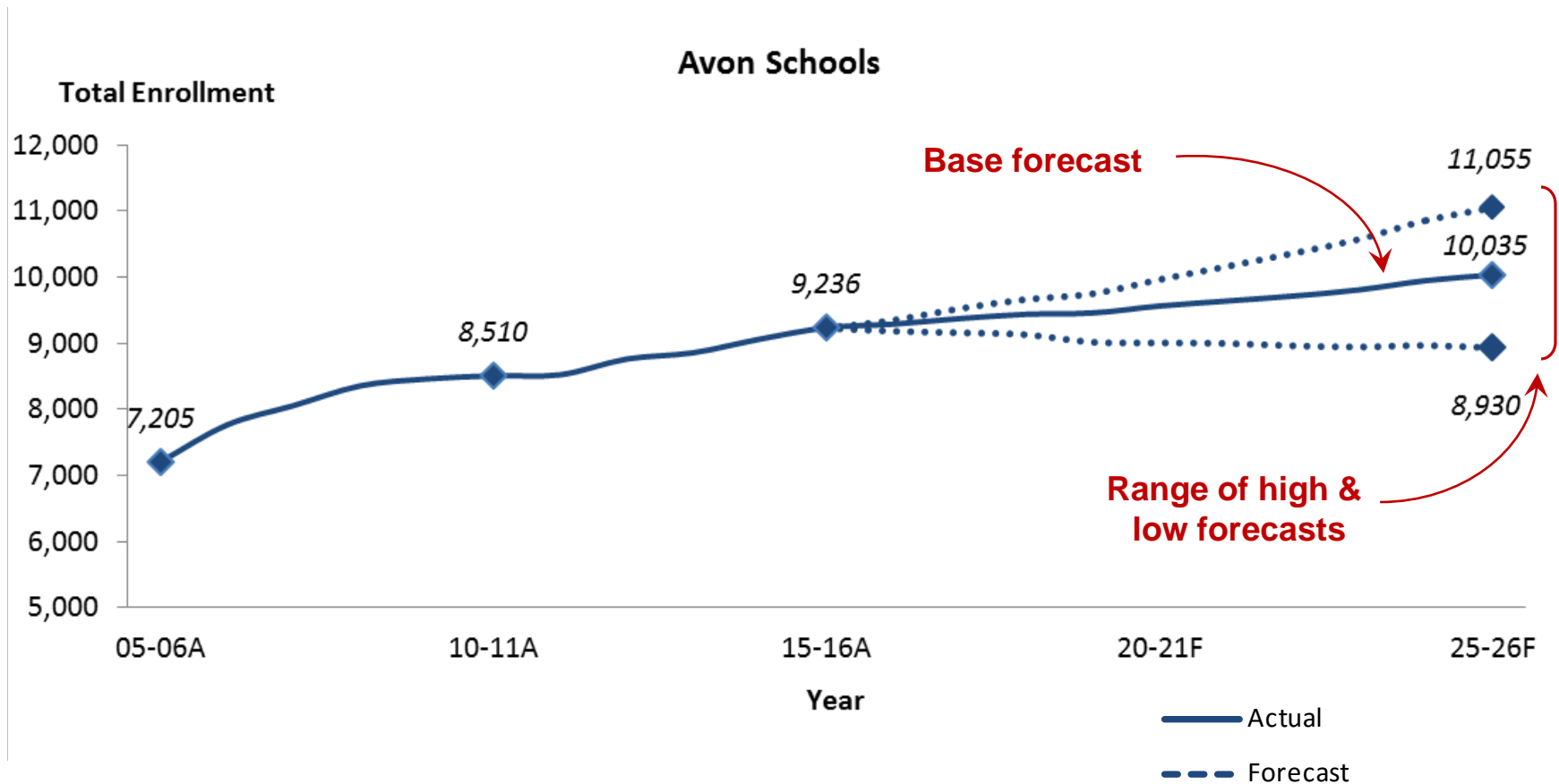


15/16 to 25/26	Low	Base ("Most Likely")	High
Outlook	Low growth	Steady growth	Strong growth
Births	County births grow but share to township declines	County births grow but share to township declines	County births grow and share to township steady
Infrastructure Improvements	Yes, but no impact	Yes	More impact than expected
Platted & Proposed Lots	Build out platted & proposed	Build out platted, proposed & unexpected	Build out platted, proposed, plus additional unexpected
Residential Developments	No new residential development	Some development activity	Stronger development activity
New Units	Resembles housing bust (approx. 165 per year)	Approx. 400 units per year	Approx. 500 units per year
Unknowns	Resale of existing homes in the long-run ("aging in place" or turnover) Impact of private school changes & reconfigurations, some change accounted for Transfers & placements not expected to deviate from current patterns & trends		

Forecast Range



Avon Schools



Note: A indicates actual enrollment; F indicates enrollment forecast.

Components of Change



Enrollment Change (5-year periods)	2005 to 2010	2010 to 2015	2015 to 2020	2020 to 2025
Components of Enrollment Change	+ 1,305	+ 726	+ 329	+ 470
1. Gr 1 compared to Gr 12	+ 700	+ 152	(308)	(413)
2. Grades 2-11	+ 515	+ 528	+ 633	+ 854
3. Change in Kindergarten	+ 90	+ 46	+ 4	+ 29

Change Due to New Construction (Residents only)

Enrollment Change	+ 530	+ 569	+ 618	+ 839
New Housing	+ 2,342	+ 1,143	+ 1,480	+ 1,855
Enrolled Children per Unit	+ 0.2	+ 0.5	+ 0.4	+ 0.5

- Components of Enrollment Change (net)
 1. More (less) students enter Grade 1 than graduate from Grade 12 during 5-year period
 2. More (less) students in Grades 2-11 during 5-year period
 3. More (less) students in Kindergarten during 5-year period
- Enrollment has 2 Parts:
 - Residents
 - Transfers (treated separately, not shown here)
- Change due to new construction applies to residents
 - In general, one new unit results in a net +0.5 enrollment, corroborating public survey data
 - 2005-2010 is an anomaly: housing bust, more vacancy, smaller families (economic conditions), empty nesters stay while unable to sell home

Source: School enrollments (actual and forecast) and new building permits for Avon Schools.

Back-up Slides



“Aging in Place”



Washington Township Hendricks County	Census 2000	Census 2010	Forecast 2020
Total Population	26,517	44,764	53,373
Population, Age 50+	5,792	11,836	16,198
% Total Population	22%	26%	30%
Total Households	9,329	15,814	18,807
Householders, Age 55+	2,246	5,056	7,222
% Total Households	24%	32%	38%

The population grows older, both in number and in share. Householders also become older, with a larger number and percent of households headed by persons age 55+.

Source: US Census Bureau (counts in 2000 & 2010), ESRI (forecast in 2020).

Enrolled in Public School



Percent of Population Enrolled in Public School (K-12)

Year	Estimate	Margin of Error
2014	92.2%	+/-2.7
2013	91.6%	+/-2.3
2012	90.8%	+/-2.8
2011	90.5%	+/-2.8
2010	88.6%	+/-2.9
2009	89.5%	+/-2.8

Source: US Census Bureau, ACS 5-year estimates for Washington Township, Hendricks County, Indiana.

Note: Based on sample data. Margin of error consistent with 90% confidence level.

Graduating Class Increases



Graduating Class of ...	Class size when starting elementary school (Grade 1)	Class size when entering high school (Grade 9)	Cohort change in 8 years
2019	684	809	+ 125
2018	622	704	+ 82
2017	605	680	+ 75
2016	590	700	+ 110
2015	584	702	+ 118
2014	524	674	+ 150
2013	461	649	+ 188
2012	464	669	+ 205
2011	402	614	+ 212

Enrollment can grow because a class increases from Grade 1 to high school and/or because Grade 1 is larger than the graduating class.

In Avon, a graduating class is larger in high school than when entering at grade 1. For instance, the Class of 2019 entered high school in Fall 2015. The class has grown 125 students over 8 years from 684 students in Grade 1 (Fall 2007) to 809 students in Grade 9 today.

Source: School enrollments (actual ADM, PE DOE) for Avon Schools.

Population by Location



	Township Total	Township North	Township South
Households			
2010	15,814	8,325	7,489
2015	17,203	8,982	8,221
2020	18,807	9,722	9,085
Population, Total			
2010	44,764	22,993	21,771
2015	48,817	24,798	24,019
2020	53,373	26,823	26,550
Population, ages 5-17			
2010	9,566	4,739	4,827
2015	9,811	4,851	4,960
2020	10,510	5,118	5,392
<i>Change 2010-14</i>	<i>+245</i>	<i>+112</i>	<i>+133</i>
<i>Change 2014-19</i>	<i>+699</i>	<i>+267</i>	<i>+432</i>

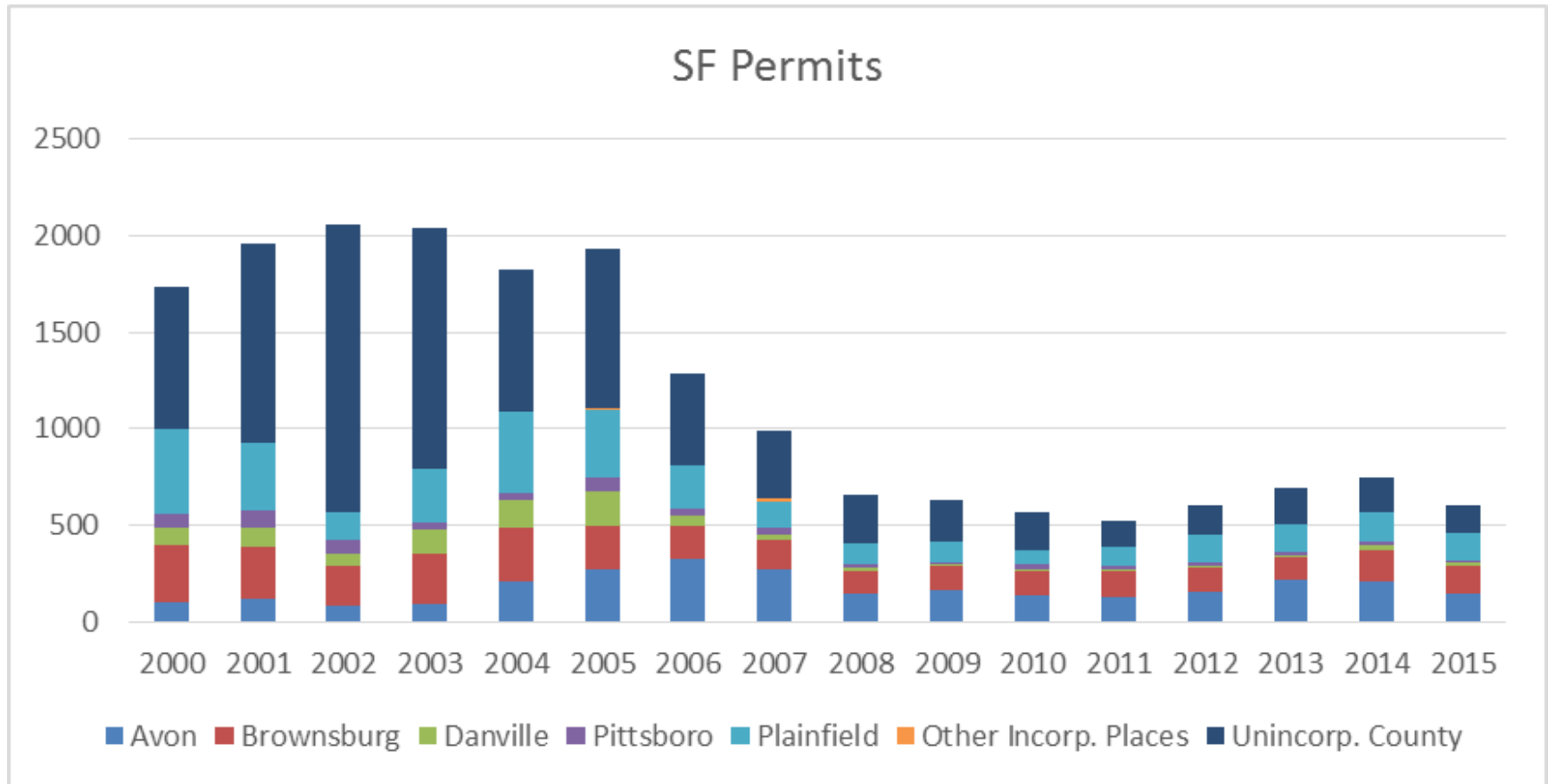
Children by Age & Location



	Township Total	Township North	Township South
Residents, Ages 5-9			
2010	3,764	1,872	1,892
2015	3,768	1,862	1,906
2020	3,990	1,961	2,029
Residents, Ages 10-13			
2010	2,929	1,447	1,482
2015	3,193	1,563	1,630
2020	3,347	1,620	1,727
Residents, Ages 14-17			
2010	2,873	1,420	1,453
2015	2,850	1,426	1,424
2020	3,173	1,537	1,636

In 2010, the number of children residing north and south of US 36 was approximately equal in all age groupings. However, over time more children are expected to reside south of US 36.

Hendricks County Permitting



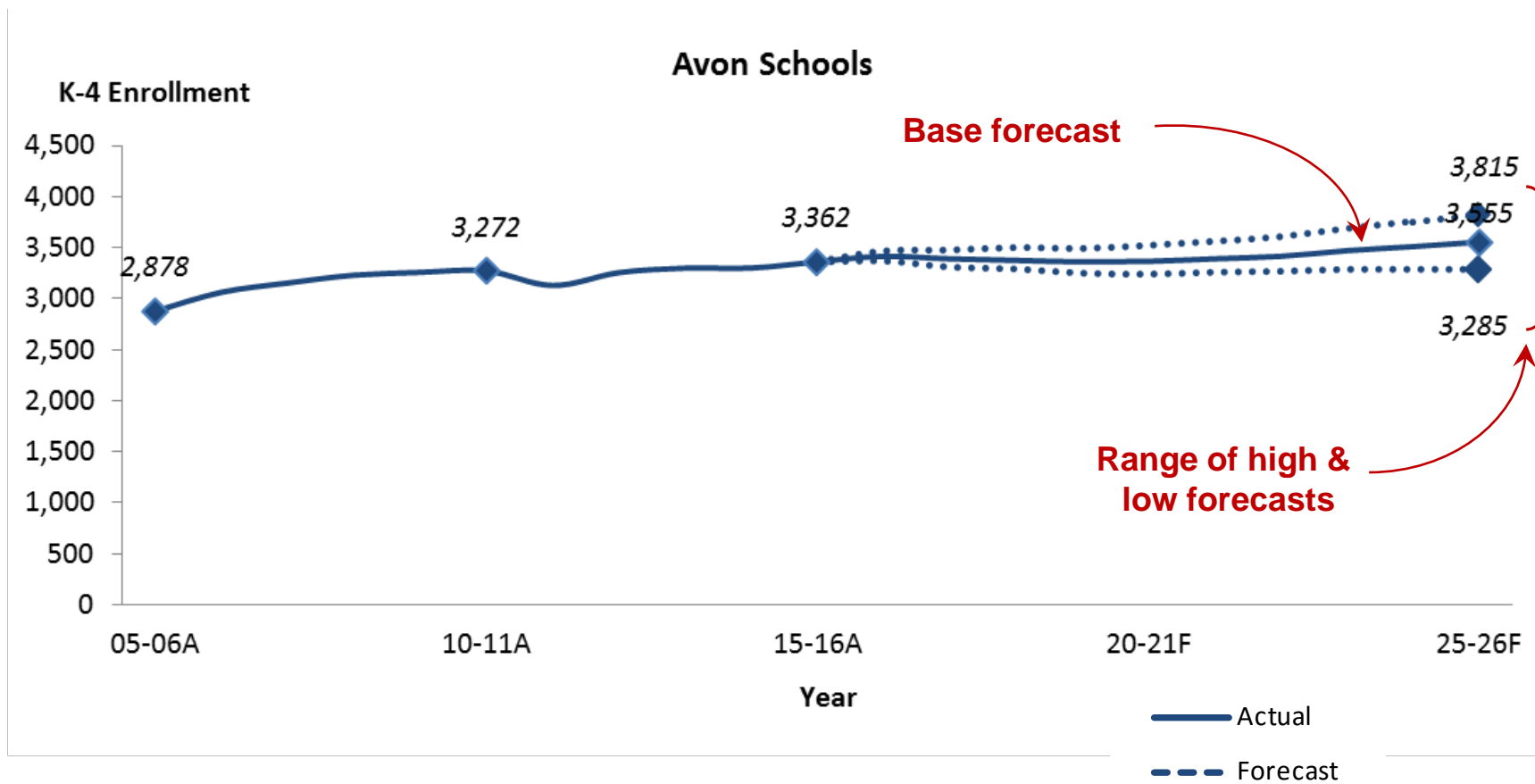
Source: BAGI, US Census Bureau, local planning departments.

K-4

Forecast Range



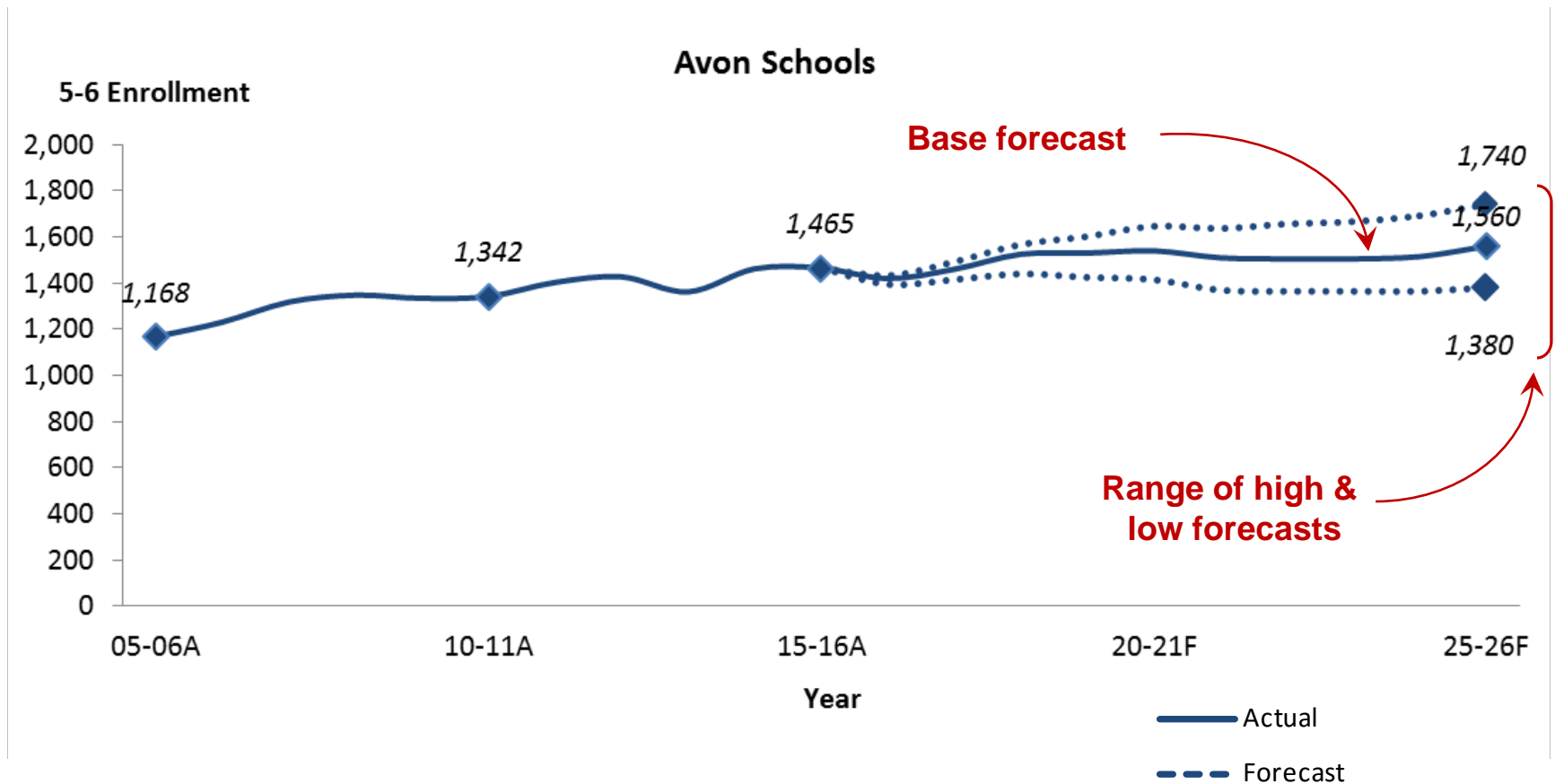
Avon Schools



Note: A indicates actual enrollment; F indicates enrollment forecast.

5-6

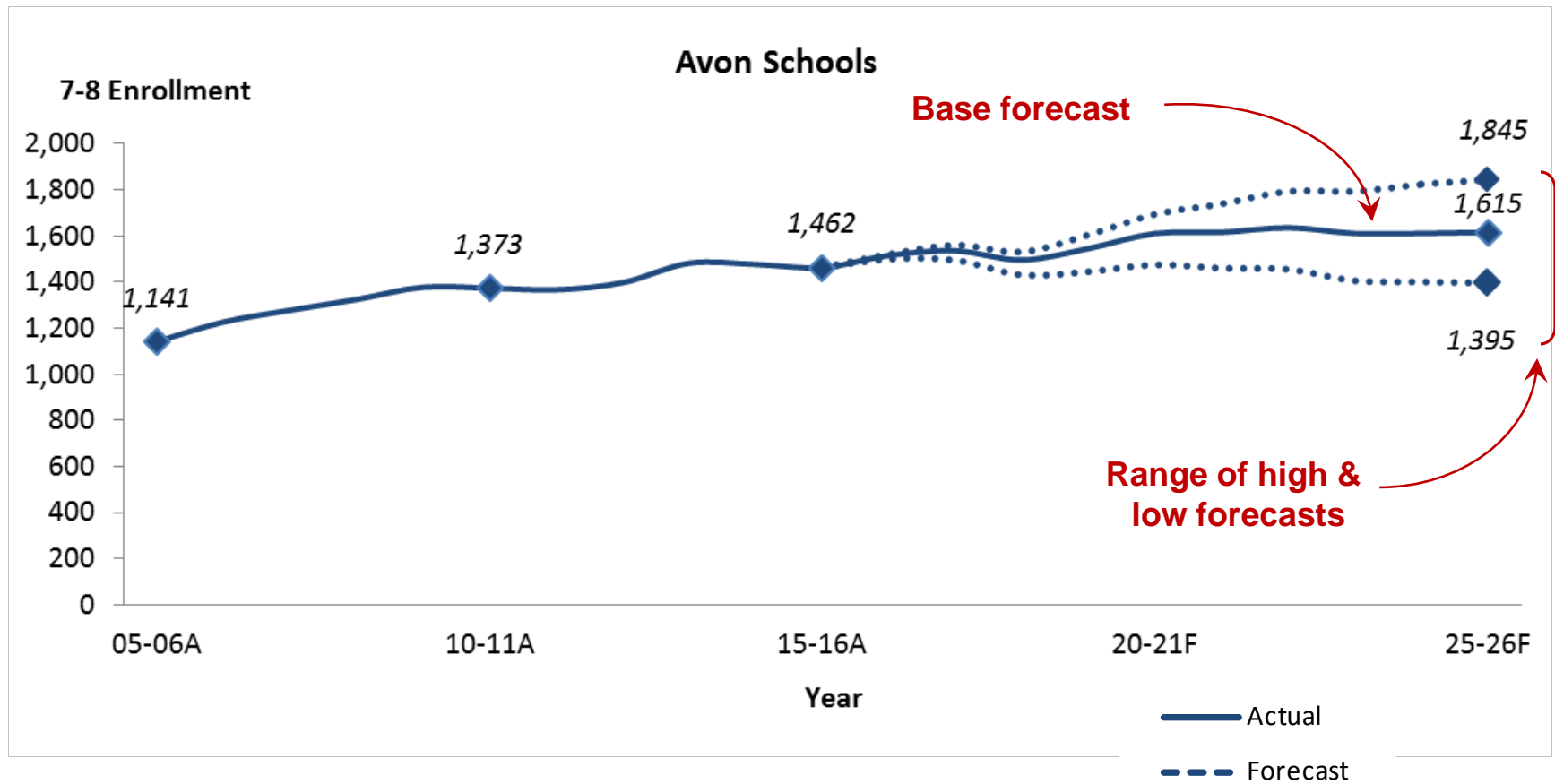
Forecast Range



Note: A indicates actual enrollment; F indicates enrollment forecast.

7-8

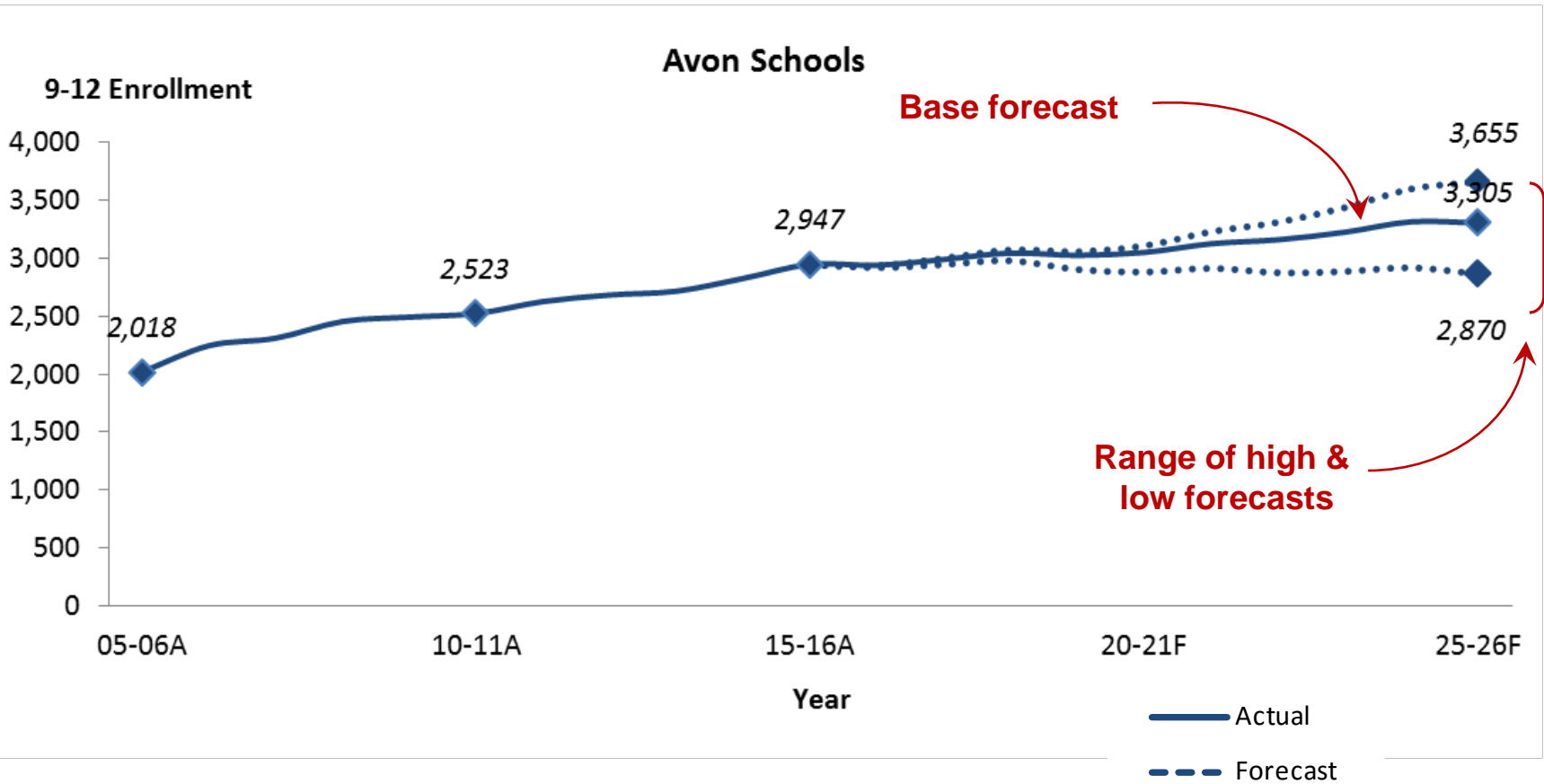
Forecast Range



Note: A indicates actual enrollment; F indicates enrollment forecast.

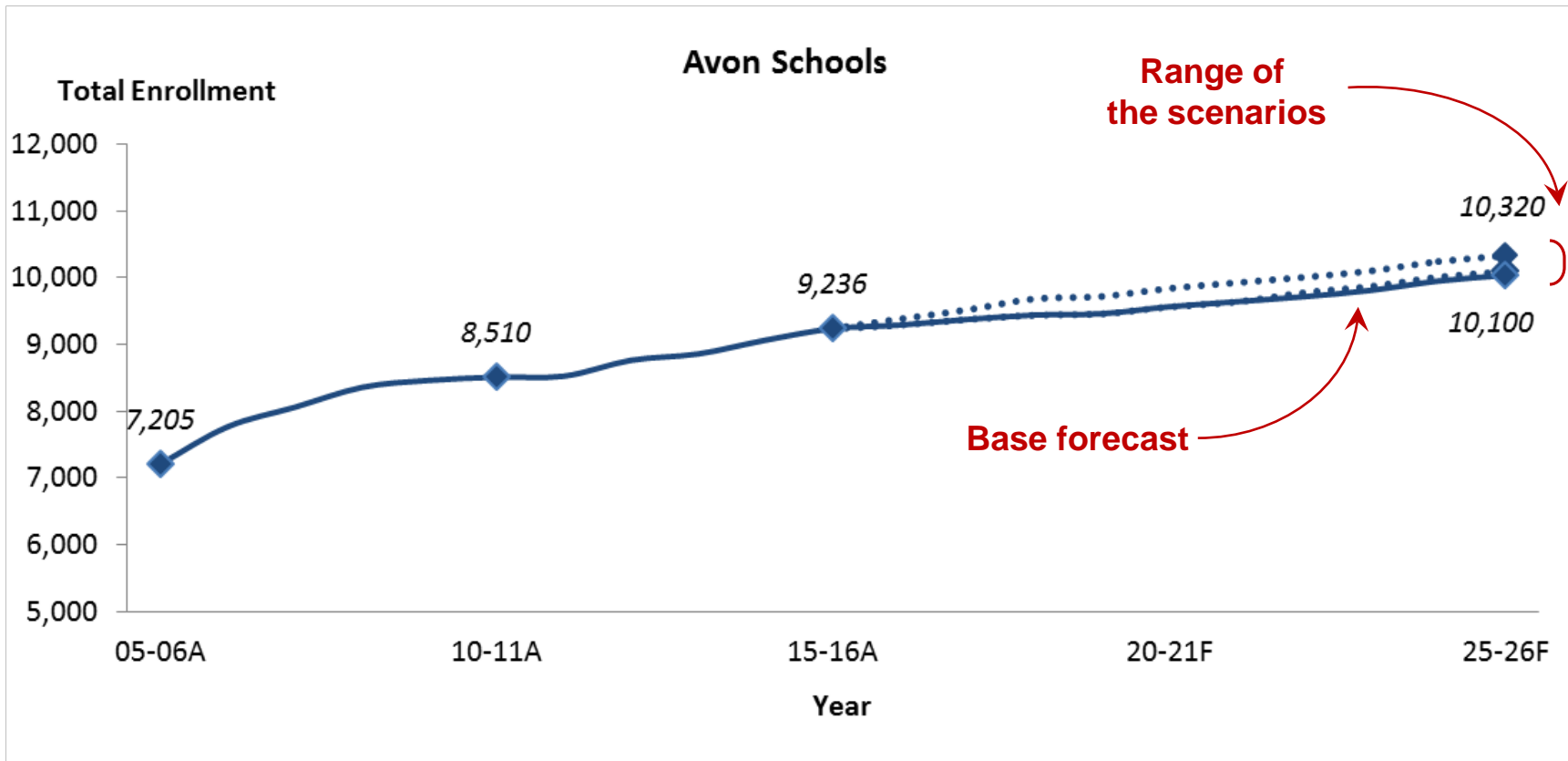
9-12

Forecast Range



Note: A indicates actual enrollment; F indicates enrollment forecast.

Base Forecast Scenarios



Two scenarios for possible closure of a private school in Avon:

- “50-3” scenario refers to closure in 3 years with 50% of enrollment attending Avon public school.
- “20-7” scenario refers to closure in 7 years with 20% of enrollment attending Avon public school.

3. Forecast Tables



Detailed data by grade & age
Also available as Excel file

Forecast Summary



Base Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,290	9,375	9,440	9,460	9,565	9,640	9,715	9,810	9,950	10,035
Change #	+ 172	+ 54	+ 85	+ 65	+ 20	+ 105	+ 75	+ 75	+ 95	+ 140	+ 85
Change %	+ 2%	+ 1%	+ 1%	+ 1%	+ 0%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%
K-4	3,362	3,415	3,390	3,375	3,360	3,365	3,390	3,415	3,470	3,510	3,555
5-6	1,465	1,420	1,460	1,525	1,530	1,540	1,510	1,505	1,505	1,515	1,560
7-8	1,462	1,515	1,535	1,495	1,545	1,610	1,615	1,635	1,610	1,610	1,615
9-12	2,947	2,940	2,990	3,045	3,025	3,050	3,125	3,160	3,225	3,315	3,305
High Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,355	9,530	9,670	9,755	9,970	10,165	10,365	10,580	10,865	11,055
Change #	+ 172	+ 119	+ 175	+ 140	+ 85	+ 215	+ 195	+ 200	+ 215	+ 285	+ 190
Change %	+ 2%	+ 1%	+ 2%	+ 1%	+ 1%	+ 2%	+ 2%	+ 2%	+ 2%	+ 3%	+ 2%
K-4	3,362	3,465	3,475	3,500	3,490	3,520	3,560	3,605	3,685	3,755	3,815
5-6	1,465	1,430	1,490	1,565	1,600	1,645	1,635	1,655	1,665	1,690	1,740
7-8	1,462	1,520	1,560	1,530	1,605	1,695	1,740	1,795	1,795	1,825	1,845
9-12	2,947	2,940	3,005	3,075	3,060	3,110	3,230	3,310	3,435	3,595	3,655
Low Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,190	9,165	9,135	9,020	9,010	9,000	8,965	8,945	8,970	8,930
Change #	+ 172	- 46	- 25	- 30	- 115	- 10	- 10	- 35	- 20	+ 25	- 40
Change %	+ 2%	- 0%	- 0%	- 0%	- 1%	- 0%	- 0%	- 0%	- 0%	+ 0%	- 0%
K-4	3,362	3,375	3,310	3,290	3,245	3,235	3,255	3,265	3,285	3,285	3,285
5-6	1,465	1,395	1,415	1,440	1,425	1,415	1,370	1,365	1,365	1,365	1,380
7-8	1,462	1,500	1,495	1,430	1,445	1,475	1,460	1,455	1,405	1,400	1,395
9-12	2,947	2,920	2,945	2,975	2,905	2,885	2,915	2,880	2,890	2,920	2,870

Note: A indicates actual enrollment; F indicates enrollment forecast.
2015 Enrollment Forecast

Base Forecast



Base Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,290	9,375	9,440	9,460	9,565	9,640	9,715	9,810	9,950	10,035
Change #	+172	+54	+85	+65	+20	+105	+75	+75	+95	+140	+85
Change %	+2%	+1%	+1%	+1%	+0%	+1%	+1%	+1%	+1%	+1%	+1%
K-4	3,362	3,415	3,390	3,375	3,360	3,365	3,390	3,415	3,470	3,510	3,555
Change #	+62	+53	-25	-15	-15	+5	+25	+25	+55	+40	+45
Change %	+2%	+2%	-1%	-0%	-0%	+0%	+1%	+1%	+2%	+1%	+1%
5-6	1,465	1,420	1,460	1,525	1,530	1,540	1,510	1,505	1,505	1,515	1,560
Change #	+3	-45	+40	+65	+5	+10	-30	-5	+0	+10	+45
Change %	+0%	-3%	+3%	+4%	+0%	+1%	-2%	-0%	+0%	+1%	+3%
7-8	1,462	1,515	1,535	1,495	1,545	1,610	1,615	1,635	1,610	1,610	1,615
Change #	-14	+53	+20	-40	+50	+65	+5	+20	-25	+0	+5
Change %	-1%	+4%	+1%	-3%	+3%	+4%	+0%	+1%	-2%	+0%	+0%
9-12	2,947	2,940	2,990	3,045	3,025	3,050	3,125	3,160	3,225	3,315	3,305
Change #	+121	-7	+50	+55	-20	+25	+75	+35	+65	+90	-10
Change %	+4%	-0%	+2%	+2%	-1%	+1%	+2%	+1%	+2%	+3%	-0%
KG	620	610	615	605	620	630	635	640	650	655	660
Gr 1	690	670	660	660	650	665	675	680	690	695	700
Gr 2	673	700	680	670	675	660	675	685	695	700	710
Gr 3	723	700	725	705	695	700	690	705	715	725	735
Gr 4	656	735	710	735	720	710	715	705	720	735	750
Gr 5	722	680	765	740	770	750	740	745	735	755	775
Gr 6	743	740	695	785	760	790	770	760	770	760	785
Gr 7	751	765	765	725	815	790	820	805	795	805	800
Gr 8	711	750	770	770	730	820	795	830	815	805	815
Gr 9	809	715	755	780	780	735	830	805	840	825	815
Gr 10	727	810	715	755	780	785	740	835	810	845	830
Gr 11	704	725	810	715	760	785	785	745	840	815	855
Gr 12	707	690	710	795	705	745	770	775	735	830	805

Note: A indicates actual enrollment; F indicates enrollment forecast.

High Forecast



High Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,355	9,530	9,670	9,755	9,970	10,165	10,365	10,580	10,865	11,055
Change #	+172	+119	+175	+140	+85	+215	+195	+200	+215	+285	+190
Change %	+2%	+1%	+2%	+1%	+1%	+2%	+2%	+2%	+2%	+3%	+2%
K-4	3,362	3,465	3,475	3,500	3,490	3,520	3,560	3,605	3,685	3,755	3,815
Change #	+62	+103	+10	+25	-10	+30	+40	+45	+80	+70	+60
Change %	+2%	+3%	+0%	+1%	-0%	+1%	+1%	+1%	+2%	+2%	+2%
5-6	1,465	1,430	1,490	1,565	1,600	1,645	1,635	1,655	1,665	1,690	1,740
Change #	+3	-35	+60	+75	+35	+45	-10	+20	+10	+25	+50
Change %	+0%	-2%	+4%	+5%	+2%	+3%	-1%	+1%	+1%	+2%	+3%
7-8	1,462	1,520	1,560	1,530	1,605	1,695	1,740	1,795	1,795	1,825	1,845
Change #	-14	+58	+40	-30	+75	+90	+45	+55	+0	+30	+20
Change %	-1%	+4%	+3%	-2%	+5%	+6%	+3%	+3%	+0%	+2%	+1%
9-12	2,947	2,940	3,005	3,075	3,060	3,110	3,230	3,310	3,435	3,595	3,655
Change #	+121	-7	+65	+70	-15	+50	+120	+80	+125	+160	+60
Change %	+4%	-0%	+2%	+2%	-0%	+2%	+4%	+2%	+4%	+5%	+2%
KG	620	630	635	625	640	655	665	675	685	700	710
Gr 1	690	675	670	675	665	680	695	705	715	725	735
Gr 2	673	715	700	695	700	690	705	720	735	745	755
Gr 3	723	705	745	735	730	740	730	745	770	780	795
Gr 4	656	740	725	770	755	755	765	760	780	805	820
Gr 5	722	685	780	760	810	800	800	815	810	835	860
Gr 6	743	745	710	805	790	845	835	840	855	855	880
Gr 7	751	775	780	745	850	835	895	890	895	915	915
Gr 8	711	745	780	785	755	860	845	905	900	910	930
Gr 9	809	715	755	790	795	765	870	860	920	915	925
Gr 10	727	810	720	760	790	800	770	880	865	930	925
Gr 11	704	725	815	720	765	795	805	775	885	875	940
Gr 12	707	690	715	805	710	750	785	795	765	875	865

Note: A indicates actual enrollment; F indicates enrollment forecast.

Low Forecast



Low Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,190	9,165	9,135	9,020	9,010	9,000	8,965	8,945	8,970	8,930
Change #	+172	-46	-25	-30	-115	-10	-10	-35	-20	+25	-40
Change %	+2%	-0%	-0%	-0%	-1%	-0%	-0%	-0%	-0%	+0%	-0%
-											
K-4	3,362	3,375	3,310	3,290	3,245	3,235	3,255	3,265	3,285	3,285	3,285
Change #	+62	+13	-65	-20	-45	-10	+20	+10	+20	+0	+0
Change %	+2%	+0%	-2%	-1%	-1%	-0%	+1%	+0%	+1%	+0%	+0%
5-6	1,465	1,395	1,415	1,440	1,425	1,415	1,370	1,365	1,365	1,365	1,380
Change #	+3	-70	+20	+25	-15	-10	-45	-5	+0	+0	+15
Change %	+0%	-5%	+1%	+2%	-1%	-1%	-3%	-0%	+0%	+0%	+1%
7-8	1,462	1,500	1,495	1,430	1,445	1,475	1,460	1,455	1,405	1,400	1,395
Change #	-14	+38	-5	-65	+15	+30	-15	-5	-50	-5	-5
Change %	-1%	+3%	-0%	-4%	+1%	+2%	-1%	-0%	-3%	-0%	-0%
9-12	2,947	2,920	2,945	2,975	2,905	2,885	2,915	2,880	2,890	2,920	2,870
Change #	+121	-27	+25	+30	-70	-20	+30	-35	+10	+30	-50
Change %	+4%	-1%	+1%	+1%	-2%	-1%	+1%	-1%	+0%	+1%	-2%
-											
KG	620	595	600	590	600	605	605	605	605	605	605
Gr 1	690	665	645	650	640	650	655	655	655	655	655
Gr 2	673	700	670	655	660	650	665	670	670	670	670
Gr 3	723	690	710	685	665	670	660	675	680	680	680
Gr 4	656	725	685	710	680	660	670	660	675	675	675
Gr 5	722	670	740	700	725	690	675	685	675	690	690
Gr 6	743	725	675	740	700	725	695	680	690	675	690
Gr 7	751	755	740	685	755	715	740	710	690	700	690
Gr 8	711	745	755	745	690	760	720	745	715	700	705
Gr 9	809	705	735	750	735	680	755	715	740	710	695
Gr 10	727	810	700	735	750	735	685	755	715	745	715
Gr 11	704	720	805	700	735	750	740	685	760	720	750
Gr 12	707	685	705	790	685	720	735	725	675	745	710

Note: A indicates actual enrollment; F indicates enrollment forecast.

Transfers & Placements



All forecasts	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	90	90	95	100	105	115	120	125	125	130	130
KG	10	5	5	5	5	5	5	5	5	5	5
Gr 1	5	10	10	10	10	10	10	10	10	10	10
Gr 2	15	10	10	10	10	10	10	10	10	10	10
Gr 3	10	15	10	10	10	10	10	10	10	10	10
Gr 4	5	10	15	10	10	10	10	10	10	10	10
Gr 5	15	5	10	15	10	10	10	10	10	10	10
Gr 6	5	10	5	10	15	10	10	10	10	10	10
Gr 7	5	5	10	5	10	15	10	10	10	10	10
Gr 8	5	5	5	10	5	10	15	10	10	10	10
Gr 9	-	-	5	5	10	5	10	15	10	10	10
Gr 10	5	5	-	5	5	10	5	10	15	10	10
Gr 11	5	5	5	-	5	5	10	5	10	15	10
Gr 12	5	5	5	5	-	5	5	10	5	10	15

Note: A indicates actual enrollment; F indicates enrollment forecast.
2015 Enrollment Forecast

Scenarios for Private School Closure



Base Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,290	9,375	9,440	9,460	9,565	9,640	9,715	9,810	9,950	10,035
Change #	+ 172	+ 54	+ 85	+ 65	+ 20	+ 105	+ 75	+ 75	+ 95	+ 140	+ 85
Change %	+ 2%	+ 1%	+ 1%	+ 1%	+ 0%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%
K-4	3,362	3,415	3,390	3,375	3,360	3,365	3,390	3,415	3,470	3,510	3,555
5-6	1,465	1,420	1,460	1,525	1,530	1,540	1,510	1,505	1,505	1,515	1,560
7-8	1,462	1,515	1,535	1,495	1,545	1,610	1,615	1,635	1,610	1,610	1,615
9-12	2,947	2,940	2,990	3,045	3,025	3,050	3,125	3,160	3,225	3,315	3,305

50-3 Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,380	9,515	9,680	9,715	9,835	9,920	10,000	10,095	10,235	10,320
Change #	+ 172	+ 144	+ 135	+ 165	+ 35	+ 120	+ 85	+ 80	+ 95	+ 140	+ 85
Change %	+ 2%	+ 2%	+ 1%	+ 2%	+ 0%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%
K-4	3,362	3,465	3,465	3,500	3,485	3,490	3,515	3,540	3,595	3,635	3,680
5-6	1,465	1,440	1,490	1,575	1,580	1,590	1,560	1,555	1,555	1,565	1,610
7-8	1,462	1,535	1,565	1,545	1,595	1,660	1,665	1,685	1,660	1,660	1,665
9-12	2,947	2,940	2,995	3,060	3,055	3,095	3,180	3,220	3,285	3,375	3,365

20-7 Forecast	15-16A	16-17F	17-18F	18-19F	19-20F	20-21F	21-22F	22-23F	23-24F	24-25F	25-26F
Total	9,236	9,290	9,375	9,440	9,460	9,565	9,640	9,780	9,875	10,015	10,100
Change #	+ 172	+ 54	+ 85	+ 65	+ 20	+ 105	+ 75	+ 140	+ 95	+ 140	+ 85
Change %	+ 2%	+ 1%	+ 1%	+ 1%	+ 0%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%	+ 1%
K-4	3,362	3,415	3,390	3,375	3,360	3,365	3,390	3,440	3,495	3,535	3,580
5-6	1,465	1,420	1,460	1,525	1,530	1,540	1,510	1,515	1,515	1,525	1,570
7-8	1,462	1,515	1,535	1,495	1,545	1,610	1,615	1,645	1,620	1,620	1,625
9-12	2,947	2,940	2,990	3,045	3,025	3,050	3,125	3,180	3,245	3,335	3,325

Two scenarios for possible closure of a private school in Avon:

- “50-3” scenario refers to closure in 3 years with 50% of enrollment attending Avon public school.
- “20-7” scenario refers to closure in 7 years with 20% of enrollment attending Avon public school.

History



Past Enrollment	05-06A	06-07A	07-08A	08-09A	09-10A	10-11A	11-12A	12-13A	13-14A	14-15A	15-16A
Total	7,205	7,765	8,058	8,356	8,461	8,510	8,524	8,762	8,858	9,064	9,236
Change #		+ 560	+ 293	+ 298	+ 105	+ 49	+ 14	+ 238	+ 96	+ 206	+ 172
Change %		+ 8%	+ 4%	+ 4%	+ 1%	+ 1%	+ 0%	+ 3%	+ 1%	+ 2%	+ 2%
K-4	2,878	3,063	3,153	3,230	3,258	3,272	3,129	3,255	3,299	3,300	3,362
Change #		+ 185	+ 90	+ 77	+ 28	+ 14	- 143	+ 126	+ 44	+ 1	+ 62
Change %		+ 6%	+ 3%	+ 2%	+ 1%	+ 0%	- 4%	+ 4%	+ 1%	+ 0%	+ 2%
5-6	1,168	1,231	1,318	1,348	1,334	1,342	1,403	1,427	1,362	1,462	1,465
Change #		+ 63	+ 87	+ 30	- 14	+ 8	+ 61	+ 24	- 65	+ 100	+ 3
Change %		+ 5%	+ 7%	+ 2%	- 1%	+ 1%	+ 5%	+ 2%	- 5%	+ 7%	+ 0%
7-8	1,141	1,226	1,277	1,324	1,377	1,373	1,366	1,397	1,481	1,476	1,462
Change #		+ 85	+ 51	+ 47	+ 53	- 4	- 7	+ 31	+ 84	- 5	- 14
Change %		+ 7%	+ 4%	+ 4%	+ 4%	- 0%	- 1%	+ 2%	+ 6%	- 0%	- 1%
9-12	2,018	2,245	2,310	2,454	2,492	2,523	2,626	2,683	2,716	2,826	2,947
Change #		+ 227	+ 65	+ 144	+ 38	+ 31	+ 103	+ 57	+ 33	+ 110	+ 121
Change %		+ 11%	+ 3%	+ 6%	+ 2%	+ 1%	+ 4%	+ 2%	+ 1%	+ 4%	+ 4%
KG	484	598	558	584	553	574	548	631	624	637	620
Gr 1	606	625	696	648	654	637	616	632	674	645	690
Gr 2	590	597	633	700	657	674	632	640	644	692	673
Gr 3	606	615	622	663	711	663	681	668	664	644	723
Gr 4	592	628	644	635	683	724	652	684	693	682	656
Gr 5	576	642	658	686	646	685	733	668	698	721	722
Gr 6	592	589	660	662	688	657	670	759	664	741	743
Gr 7	557	649	613	685	687	689	680	705	779	696	751
Gr 8	584	577	664	639	690	684	686	692	702	780	711
Gr 9	587	625	615	668	649	678	700	703	685	706	809
Gr 10	485	604	630	614	660	636	672	697	690	707	727
Gr 11	515	506	577	606	589	641	627	681	686	710	704
Gr 12	431	510	488	566	594	568	627	602	655	703	707

4. Narrative





Introduction

This report summarizes the enrollment projections prepared for Avon Community Schools.

Key Findings

School enrollment in the district is expected to increase. The primary driver of growth is residential construction, which is expected to mirror the last 10 years, on average. There are a large number of platted lots available for building. Infrastructure improvements are expected to renew development activity, and the area remains attractive to new home buyers. In the long run, continued residential housing growth can be expected and enrollment is expected to grow (base & high forecasts). However, at low levels of home building, enrollment would decline.

Births & Pre-School Aged Children

A primary driver of enrollment growth is births and pre-school aged children. Washington Township has fewer pre-school aged children than elementary-aged children. As a result, home building and housing turnover is needed for enrollment to remain stable (base forecast), much less grow (high forecast). At lower levels of home building, elementary enrollment would decline (low forecast).



Residential Construction

Enrollment change has mirrored residential construction. Single-family home building came to a near standstill in 2010-11 but has increased since then. In the long-run, land use planning and infrastructure improvements are expected to support residential construction & development.

Forecast Assumptions

Enrollment growth is unlikely to follow the exact level and pattern projected. Relatively minor changes in economic or social conditions can cause population to significantly deviate from projected trends. To get a sense of the possible range of enrollment projections, low and high forecasts were prepared, reflecting different assumptions about growth and incorporating potential forecasting error. The alternatives are intended to suggest a range of possible future enrollments.



Methodology

The method used to forecast enrollment is an event-based cohort progression technique that:

- Progresses resident students from grade to grade;
- Estimates Kindergarten and Grade 1 enrollment with births and new housing;
- Estimates student in-migration in Grades 1-12 with new housing & transition ratios; and,
- Adds back out-of-district transfers and placements.

Enrollment is projected with the following inputs:

- Actual enrollment (Fall ADM)
- Population statistics
- Birth statistics
- Subdivisions platted
- Building permits
- Assumptions about future residential construction

Although enrollment forecasting is a critical tool, it is also an imprecise one. The forecasts presented in this report are the most likely, given historical patterns, anticipated trends and expected events. Nevertheless, actual enrollments will likely deviate from the projected figures.



Forecast Assumptions

1. School corporation boundaries will remain unchanged.
2. Forecast is based on ADM counts (Fall enrollment). The forecast does not account for enrollment fluctuations which occur throughout any given school year.
3. The percentage of children attending public schools will remain at approximately the present level. Rates of non-public attendance (private and home school) are expected to remain unchanged.
4. Students will progress through the grade levels at about the same rate as they do presently. Grade-to-grade retention rates are expected to remain unchanged. The dropout rate will remain about the same.
5. Infrastructure (roads, water, sewer) are sufficient to support continued residential building & development as forecast.
6. Household occupancy rates remain approximately the same.
7. Intra-district mobility rates remain approximately the same.
8. The high and low forecast account for different birth and housing assumptions, plus statistical error.
9. The minimum age for kindergarten enrollment is at least 5 years on August 1 (IC 20-33-2-7). Compulsory attendance begins the fall school term for the school year a child becomes 7 years of age (IC 20-8.1-3-17).

5. Data Appendix

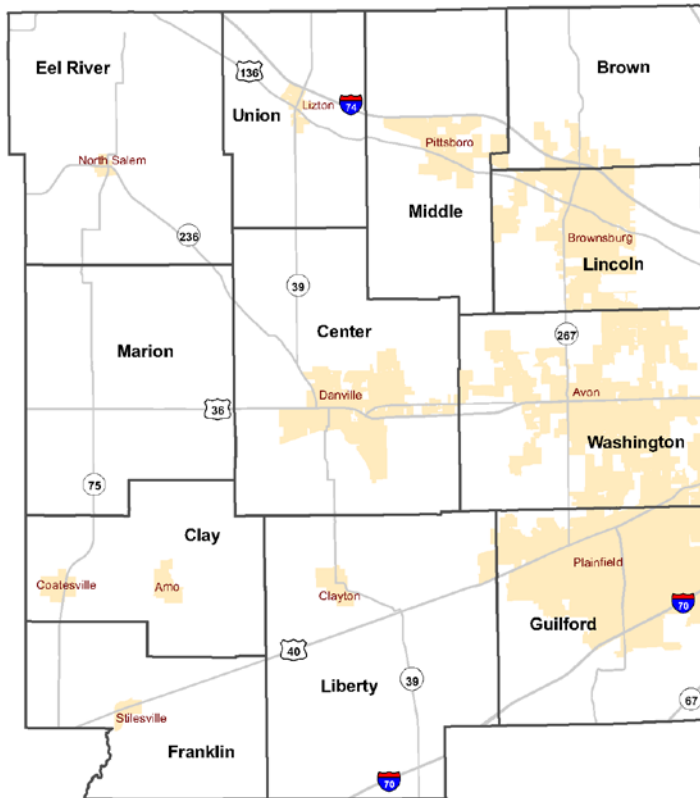


Additional details & data
Specific to the School District's boundaries

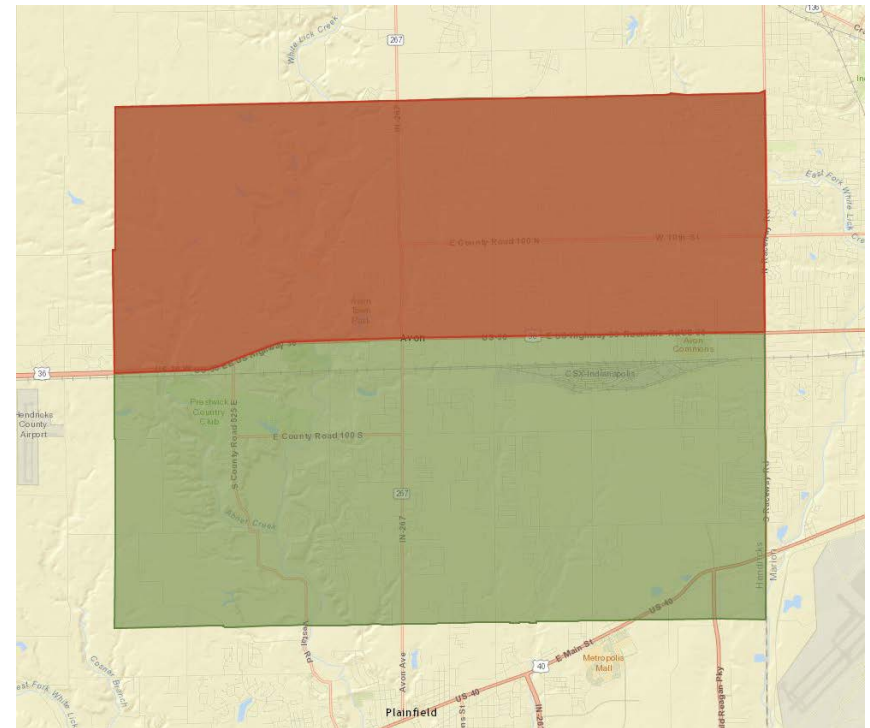
Geography



Hendricks County, Indiana Townships



Washington Township, North & South



Source: IBRC at Indiana University's Kelley School of Business, using data from the U.S. Census Bureau. August 2011

Housing Profile

Washington Township

Housing Units	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total	16,694	100.0%	18,181	100.0%	19,879	100.0%
Vacant Housing Units	880	5.3%	978	5.4%	1,072	5.4%
Occupied Housing Units (Households)	15,814	94.7%	17,203	94.6%	18,807	94.6%
Owner Occupied	13,367	80.1%	14,269	78.5%	15,593	78.4%
Renter Occupied	2,447	14.7%	2,934	16.1%	3,214	16.2%
Median Home Value *	\$ 163,900	-	\$ 210,696	-	\$ 235,238	-
Households	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total	15,814	100.0%	17,203	100.0%	18,807	100.0%
Average Household Size	2.8	-	2.8	-	2.8	-
Family Households	12,282	77.7%	13,225	76.9%	14,435	76.8%
Average Family Size	3.2	-	3.2	-	3.2	-
Nonfamily Households	3,532	22.3%	3,978	23.1%	4,372	23.2%
Median Household Income *	\$ 75,341	-	\$ 75,699	-	\$ 83,112	-
Households by Poverty Status	2009-13 ACS *					
	Number	Percent				
Total	15,732	100.0%	-	-	-	-
Income below poverty level	792	5.0%	-	-	-	-
Income at or above poverty level	14,940	95.0%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census & ACS data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Population Profile

Washington Township

Population by Age	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total Population	44,764	100.0%	48,817	100.0%	53,373	100.0%
Children (0-17 years)	13,029	29.1%	13,421	27.5%	14,421	27.0%
Age 0 - 4	3,463	7.7%	3,613	7.4%	3,908	7.3%
Age 5 - 9	3,764	8.4%	3,768	7.7%	3,990	7.5%
Age 10 - 14	3,670	8.2%	3,946	8.1%	4,144	7.8%
Age 15 - 17	2,132	4.8%	2,094	4.3%	2,379	4.5%
Adults (18+)	31,735	70.9%	35,396	72.5%	38,952	73.0%
Age 18 - 64	27,751	62.0%	30,161	61.8%	31,740	59.5%
Age 65+	3,984	8.9%	5,235	10.7%	7,212	13.5%
Median Age	35.4	-	36.1	-	36.2	-

Population by Race	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total Population	44,764	100.0%	48,817	100.0%	53,373	100.0%
White Alone	38,370	85.7%	40,298	82.5%	42,218	79.1%
Black Alone	3,089	6.9%	4,159	8.5%	5,550	10.4%
All Other Races Alone	2,319	5.2%	3,019	6.2%	3,809	7.1%
Two or More Races	986	2.2%	1,341	2.7%	1,796	3.4%
Hispanic Population (any race)	2,089	5.4%	2,706	6.7%	3,449	8.2%

Educational Attainment, Persons 25+ years	2009-13 ACS *					
	Number	Percent				
Total	28,534	100.0%	-	-	-	-
No HS diploma, GED	1,560	5.5%	-	-	-	-
No HS diploma or GED	7,458	26.1%	-	-	-	-
Some college	5,937	20.8%	-	-	-	-
Associate's degree	3,280	11.5%	-	-	-	-
Bachelor's degree	7,332	25.7%	-	-	-	-
Graduate degree	2,967	10.4%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Population Profile of Children

Washington Township

Population by Single Age	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Children (0-17 years)	13,029	100.0%	13,421	100.0%	14,421	100.0%
<1	630	4.8%	715	5.3%	775	5.4%
1	669	5.1%	717	5.3%	776	5.4%
2	700	5.4%	716	5.3%	777	5.4%
3	719	5.5%	733	5.5%	792	5.5%
4	745	5.7%	733	5.5%	788	5.5%
5	709	5.4%	755	5.6%	804	5.6%
6	779	6.0%	737	5.5%	779	5.4%
7	736	5.6%	747	5.6%	792	5.5%
8	795	6.1%	768	5.7%	810	5.6%
9	745	5.7%	760	5.7%	804	5.6%
10	743	5.7%	817	6.1%	858	5.9%
11	721	5.5%	782	5.8%	816	5.7%
12	726	5.6%	810	6.0%	847	5.9%
13	739	5.7%	784	5.8%	826	5.7%
14	741	5.7%	752	5.6%	797	5.5%
15	729	5.6%	716	5.3%	799	5.5%
16	703	5.4%	696	5.2%	786	5.5%
17	700	5.4%	686	5.1%	791	5.5%
School Enrollment, Age 3+ years	2009-13 ACS *					
	Number	% Public				
Persons Enrolled in School	10,802	88.4%	-	-	-	-
Nursery School, Preschool	764	45.5%	-	-	-	-
Kindergarten	566	68.4%	-	-	-	-
Grades 1 - 4	2,757	91.0%	-	-	-	-
Grades 5 - 8	3,481	94.4%	-	-	-	-
Grades 9 - 12	3,234	93.2%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error. % public enrollment, remainder private enrollment.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Housing Profile

Washington Township, North of US 36

Housing Units	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total	8,803	100.0%	9,507	100.0%	10,288	100.0%
Vacant Housing Units	478	5.4%	526	5.5%	566	5.5%
Occupied Housing Units (Households)	8,325	94.6%	8,982	94.5%	9,722	94.5%
Owner Occupied	6,890	78.3%	7,373	77.6%	7,979	77.6%
Renter Occupied	1,435	16.3%	1,608	16.9%	1,743	16.9%
Median Home Value *	\$ 164,716	-	\$ 204,039	-	\$ 231,513	-
Households	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total	8,325	100.0%	8,982	100.0%	9,722	100.0%
Average Household Size	2.7	-	2.7	-	2.7	-
Family Households	6,313	75.8%	6,764	75.3%	7,290	75.0%
Average Family Size	3.2	-	3.2	-	3.2	-
Nonfamily Households	2,012	24.2%	2,218	24.7%	2,432	25.0%
Median Household Income *	\$ 76,891	-	\$ 75,586	-	\$ 82,793	-
Households by Poverty Status	2009-13 ACS *					
	Number	Percent				
Total	7,920	100.0%	-	-	-	-
Income below poverty level	238	3.0%	-	-	-	-
Income at or above poverty level	7,682	97.0%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census & ACS data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Population Profile

Washington Township, North of US 36

Population by Age	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total Population	22,993	100.0%	24,798	100.0%	26,823	100.0%
Children (0-17 years)	6,487	28.2%	6,649	26.8%	7,032	26.2%
Age 0 - 4	1,749	7.6%	1,796	7.2%	1,913	7.1%
Age 5 - 9	1,872	8.1%	1,862	7.5%	1,962	7.3%
Age 10 - 14	1,842	8.0%	1,941	7.8%	2,014	7.5%
Age 15 - 17	1,024	4.5%	1,050	4.2%	1,143	4.3%
Adults (18+)	16,506	71.8%	18,149	73.2%	19,791	73.8%
Age 18 - 64	14,506	63.1%	15,486	62.4%	16,414	61.2%
Age 65+	2,000	8.7%	2,663	10.7%	3,377	12.6%
Median Age	35.6	-	36.7	-	36.2	-

Population by Race	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total Population	22,993	100.0%	24,798	100.0%	26,823	100.0%
White Alone	20,092	87.4%	20,947	84.5%	21,768	81.2%
Black Alone	1,444	6.3%	1,950	7.9%	2,611	9.7%
All Other Races Alone	988	4.3%	1,270	5.1%	1,603	6.0%
Two or More Races	469	2.0%	631	2.5%	841	3.1%
Hispanic Population (any race)	944	4.7%	1,231	5.9%	1,565	7.2%

Educational Attainment, Persons 25+ years	2009-13 ACS *					
	Number	Percent				
Total	14,587	100.0%	-	-	-	-
No HS diploma, GED	666	4.6%	-	-	-	-
No HS diploma or GED	3,618	24.8%	-	-	-	-
Some college	3,144	21.6%	-	-	-	-
Associate's degree	1,633	11.2%	-	-	-	-
Bachelor's degree	4,163	28.5%	-	-	-	-
Graduate degree	1,363	9.3%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Population Profile of Children

Washington Township, North of US 36

Population by Single Age	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Children (0-17 years)	6,486	100.0%	6,650	100.0%	7,033	100.0%
<1	307	4.7%	355	5.3%	380	5.4%
1	331	5.1%	354	5.3%	378	5.4%
2	364	5.6%	357	5.4%	381	5.4%
3	362	5.6%	365	5.5%	387	5.5%
4	384	5.9%	366	5.5%	388	5.5%
5	360	5.6%	384	5.8%	408	5.8%
6	398	6.1%	368	5.5%	385	5.5%
7	368	5.7%	365	5.5%	386	5.5%
8	381	5.9%	378	5.7%	397	5.6%
9	364	5.6%	368	5.5%	386	5.5%
10	354	5.5%	400	6.0%	412	5.9%
11	352	5.4%	381	5.7%	392	5.6%
12	352	5.4%	399	6.0%	414	5.9%
13	389	6.0%	384	5.8%	402	5.7%
14	396	6.1%	377	5.7%	394	5.6%
15	365	5.6%	357	5.4%	390	5.5%
16	318	4.9%	337	5.1%	362	5.1%
17	341	5.3%	355	5.3%	391	5.6%
School Enrollment, Age 3+ years	2009-13 ACS *					
	Number	% Public				
Persons Enrolled in School	5,242	88.5%	-	-	-	-
Nursery School, Preschool	367	40.1%	-	-	-	-
Kindergarten	248	77.4%	-	-	-	-
Grades 1 - 4	1,466	92.8%	-	-	-	-
Grades 5 - 8	1,572	92.5%	-	-	-	-
Grades 9 - 12	1,589	93.6%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error. % public enrollment, remainder private enrollment.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Housing Profile

Washington Township, South of US 36

Housing Units	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total	7,891	100.0%	8,674	100.0%	9,591	100.0%
Vacant Housing Units	402	5.1%	452	5.2%	506	5.3%
Occupied Housing Units (Households)	7,489	94.9%	8,221	94.8%	9,085	94.7%
Owner Occupied	6,477	82.1%	6,896	79.5%	7,614	79.4%
Renter Occupied	1,012	12.8%	1,326	15.3%	1,471	15.3%
Median Home Value *	\$ 165,243	-	\$ 217,277	-	\$ 238,926	-
Households	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total	7,489	100.0%	8,221	100.0%	9,085	100.0%
Average Household Size	2.9	-	2.9	-	2.9	-
Family Households	5,969	79.7%	6,461	78.6%	7,145	78.6%
Average Family Size	3.2	-	3.3	-	3.3	-
Nonfamily Households	1,520	20.3%	1,760	21.4%	1,940	21.4%
Median Household Income *	\$ 72,508	-	\$ 75,846	-	\$ 83,465	-
Households by Poverty Status	2009-13 ACS *					
	Number	Percent				
Total	7,812	100.0%	-	-	-	-
Income below poverty level	554	7.1%	-	-	-	-
Income at or above poverty level	7,258	92.9%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census & ACS data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Population Profile

Washington Township, South of US 36

Population by Age	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total Population	21,771	100.0%	24,019	100.0%	26,550	100.0%
Children (0-17 years)	6,542	30.0%	6,772	28.2%	7,389	27.8%
Age 0 - 4	1,714	7.9%	1,817	7.6%	1,995	7.5%
Age 5 - 9	1,892	8.7%	1,906	7.9%	2,028	7.6%
Age 10 - 14	1,828	8.4%	2,005	8.3%	2,130	8.0%
Age 15 - 17	1,108	5.1%	1,044	4.3%	1,236	4.7%
Adults (18+)	15,229	70.0%	17,247	71.8%	19,161	72.2%
Age 18 - 64	13,245	60.8%	14,675	61.1%	15,326	57.7%
Age 65+	1,984	9.1%	2,572	10.7%	3,835	14.4%
Median Age	-	-	-	-	-	-
Population by Race	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Total Population	21,771	100.0%	24,019	100.0%	26,550	100.0%
White Alone	18,278	84.0%	19,351	80.6%	20,450	77.0%
Black Alone	1,645	7.6%	2,209	9.2%	2,939	11.1%
All Other Races Alone	1,331	6.1%	1,749	7.3%	2,206	8.3%
Two or More Races	517	2.4%	710	3.0%	955	3.6%
Hispanic Population (any race)	1,145	6.3%	1,475	7.6%	1,884	9.2%
Educational Attainment, Persons 25+ years	2009-13 ACS *					
	Number	Percent				
Total	13,947	100.0%	-	-	-	-
No HS diploma, GED	894	6.4%	-	-	-	-
No HS diploma or GED	3,840	27.5%	-	-	-	-
Some college	2,793	20.0%	-	-	-	-
Associate's degree	1,647	11.8%	-	-	-	-
Bachelor's degree	3,169	22.7%	-	-	-	-
Graduate degree	1,604	11.5%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.

Population Profile of Children

Washington Township, South of US 36

Population by Single Age	2010 Census		2015 Estimate		2020 Forecast	
	Number	Percent	Number	Percent	Number	Percent
Children (0-17 years)	6,543	100.0%	6,774	100.0%	7,384	100.0%
<1	323	4.9%	360	5.3%	395	5.3%
1	338	5.2%	363	5.4%	398	5.4%
2	336	5.1%	359	5.3%	396	5.4%
3	357	5.5%	368	5.4%	405	5.5%
4	361	5.5%	367	5.4%	400	5.4%
5	349	5.3%	371	5.5%	396	5.4%
6	381	5.8%	369	5.4%	394	5.3%
7	368	5.6%	382	5.6%	406	5.5%
8	414	6.3%	390	5.8%	413	5.6%
9	381	5.8%	392	5.8%	418	5.7%
10	389	5.9%	417	6.2%	446	6.0%
11	369	5.6%	401	5.9%	424	5.7%
12	374	5.7%	411	6.1%	433	5.9%
13	350	5.3%	400	5.9%	424	5.7%
14	345	5.3%	375	5.5%	403	5.5%
15	364	5.6%	359	5.3%	409	5.5%
16	385	5.9%	359	5.3%	424	5.7%
17	359	5.5%	331	4.9%	400	5.4%
School Enrollment, Age 3+ years	2009-13 ACS *					
	Number	% Public				
Persons Enrolled in School	5,560	88.2%	-	-	-	-
Nursery School, Preschool	397	50.6%	-	-	-	-
Kindergarten	318	61.3%	-	-	-	-
Grades 1 - 4	1,291	88.9%	-	-	-	-
Grades 5 - 8	1,909	96.0%	-	-	-	-
Grades 9 - 12	1,645	92.8%	-	-	-	-

Note: * ACS estimate for 2009-2013, subject to sampling error. % public enrollment, remainder private enrollment.

Note: Detail may not sum to totals due to rounding & differences in geographic allocation. Medians computed from reported data distributions.

Source: Census data by US Census Bureau. Estimates & forecasts by ESRI. Geographic tabulations & conversion by Brudvig.