

SPARTANBURG COUNTY SCHOOL DISTRICT THREE:

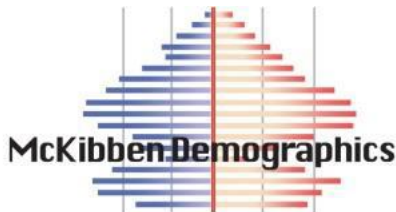
**POPULATION AND ENROLLMENT FORECASTS,
2020-21 THROUGH 2029-30**

NOVEMBER 2019

**McKibben Demographic Research, LLC
Jerome McKibben, Ph.D.
Rock Hill, SC**

j.mckibben@mckibbendemographics.com

978-501-7069



CONTENTS

EXECUTIVE SUMMARY 3

INTRODUCTION 4

DATA 5

ASSUMPTIONS 6

METHODOLOGY 9

REFERENCES 11

Appendix A: Supplemental Tables 12

Appendix B: Population Forecasts 15

Appendix C: Population Pyramids..... 19

Appendix D: Enrollment Forecasts..... 21

EXECUTIVE SUMMARY

1. The resident total fertility rate for the Spartanburg County School District Three over the life of the forecasts is below replacement level. (1.89vs. the replacement level of 2.1)
2. Most in-migration to the district continues to occur in the 0-to-9 and 25-to-44 year old age groups.
3. The local 18-to-24 year old population continues to leave the district, going to college or moving to other urbanized areas. This population group accounts for the largest segment of the district's out migration flow and will increase steadily over the next 10 years. The second largest migration outflow is in the 70+ age groups.
4. The primary factors causing the district's enrollment to decrease slightly over the next 10 years is the increase in empty nest households, the relatively low number of elderly housing units turning over coupled with a flat rate of in migration of young families.
5. Changes in year-to-year enrollment over the next ten years will primarily be due to small cohorts entering and moving through the school system in conjunction with larger cohorts leaving the system.
6. The elementary enrollment will slowly increase after the 2022-23 school year.
7. The median age of the district's population will increase from 40.9 in 2010 to 43.7in 2030.
8. Even if the district continues to have some amount of annual new housing unit construction over the next 10 years, the rate, magnitude and price of existing home sales will become the increasingly dominant factor affecting the amount of population and enrollment change.
9. Total district enrollment is forecasted to decrease by 67students, or -2.4%, between 2019-20 and 2024-25. Total enrollment will decrease by 70 students, or-2.6%, from 2024-25 to 2029-30.

INTRODUCTION

By demographic principle, distinctions are made between projections and forecasts. A projection extrapolates the past (and present) into the future with little or no attempt to take into account any factors that may impact the extrapolation (e.g., changes in fertility rates, housing patterns or migration patterns) while a forecast results when a projection is modified by reasoning to take into account the aforementioned factors.

To maximize the use of this study as a planning tool, the ultimate goal is not simply to project the past into the future, but rather to assess various factors' impact on the future. The future population and enrollment change of each school district is influenced by a variety of factors. Not all factors will influence the entire school district at the same level. Some may affect different areas at dissimilar magnitudes and rates causing changes at varying points of time within the same district. The forecaster's judgment, based on a thorough and intimate study of the district, has been used to modify the demographic trends and factors to more accurately predict likely changes. Therefore, strictly speaking, this study is a forecast, not a projection; and the amount of modification of the demographic trends varies between different areas of the district as well as within the timeframe of the forecast.

To calculate population forecasts of any type, particularly for smaller populations such as a school district, realistic suppositions must be made as to what the future will bring in terms of age

specific fertility rates and residents' demographic behavior at certain points of the life course. The demographic history of the school district and its interplay with the social and economic history of the area is the starting point and basis of most of these suppositions particularly on key factors such as the age structure of the area. The unique nature of each district's and attendance area's demographic composition and rate of change over time must be assessed and understood to be factors throughout the life of the forecast series. Moreover, no two populations, particularly at the school district and attendance area level, have exactly the same characteristics.

The manifest purpose of these forecasts is to ascertain the demographic factors that will ultimately influence the enrollment levels in the district's schools. There are of course, other non-demographic factors that affect enrollment levels over time. These factors include, but are not limited to transfer policies within the district; student transfers to and from neighboring districts; placement of "special programs" within school facilities that may serve students from outside the attendance area; state or federal mandates that dictate the movement of students from one facility to another (No Child Left Behind was an excellent example of this factor); the development of charter schools in the district; the prevalence of home schooling in the area; and the dynamics of local private schools.

Unless the district specifically requests the calculation of forecasts that reflect the effects of changes in these non-

demographic factors, their influences are held constant for the life of the forecasts. Again, the main function of these forecasts is to determine what impact demographic changes will have on future enrollment. It is quite possible to calculate special “scenario” forecasts to measure the impact of school policy modifications as well as planned economic and financial changes. However in this case the results of these population and enrollment forecast are meant to represent the most likely scenario for changes over the next 10 years in the district and its attendance areas.

The first part of the report will examine the assumptions made in calculating the population forecasts for the Spartanburg County School District Three. Since the results of the population forecasts drive the subsequent enrollment forecasts, the assumptions listed in this section are paramount to understanding the area’s demographic dynamics. The remainder of the report is an explanation and analysis of the district's population forecasts and how they will shape the district's grade level enrollment forecasts.

DATA

The data used for the forecasts come from a variety of sources. The Spartanburg County School District Three provided enrollments by grade and attendance center for the school years 2010-2011 to 2019-2020. Birth and death data for the years 2000 through 2018 were obtained from the South Carolina Department of Health. The net migration values were calculated using

Internal Revenue Service migration reports for the years 2000 through 2016. The data used for the calculation of migration models came from the United States Bureau of the Census, 2005 to 2010, and the models were designed using demographic and economic factors. The base age-sex population counts used are from the results of the 2010 Census.

Recently the Census Bureau began releasing annual estimates of demographic variables at the block group and tract level from the American Community Survey (ACS). There has been wide scale reporting of these results in the national, state and local media. However, due to the methodological problems the Census Bureau is experiencing with their estimates derived from ACS data, particularly in areas with a population of less than 60,000, the results of the ACS are not used in these forecasts.

For example, given the sampling framework used by the Census Bureau, each year only 220 of the over 7,000 current households in the district would have been included. For comparison 900 households in the district were included in the sample for the long form questionnaire in the 2000 Census. As a result of this small sample size, the ACS survey result from the last 5 years must be aggregated to produce the tract and block group estimates.

To develop the population forecast models, past migration patterns, current age specific fertility patterns, the magnitude and dynamics of the gross migration, the age specific mortality trends, the distribution of the population

by age and sex, the rate and type of existing housing unit sales, and future housing unit construction are considered to be primary variables. In addition, the change in household size relative to the age structure of the forecast area was addressed. While there was a slight drop in the average household size in the Spartanburg County School District Three as well as most other areas of the state during the previous 20 years, the rate of this decline in the district has been forecasted to increase slightly over the next ten years.

ASSUMPTIONS

For these forecasts, the mortality probabilities are held constant at the levels calculated for the year 2010. While the number of deaths in an area are impacted by and will change given the proportion of the local population over age 65, in the absence of an extraordinary event such as a natural disaster or a breakthrough in the treatment of heart disease, death rates rarely move rapidly in any direction, particularly at the school district or attendance area level. Thus, significant changes are not foreseen in district's mortality rates between now and the year 2029. Any increases forecasted in the number of deaths will be due primarily to the general aging of the district's population and specifically to the increase in the number of residents aged 65 and older.

Similarly, fertility rates are assumed to stay fairly constant for the life of the forecasts. Like mortality rates, age specific fertility rates rarely change

quickly or dramatically, particularly in small areas. Even with the recently reported rise in the fertility rates of the United States, overall fertility rates have stayed within a 10% range for most of the last 40 years. In fact, the vast majority of year to year change in an area's number of births is due to changes in the number of women in child bearing ages (particularly ages 20-29) rather than any fluctuation in an area's fertility rate.

The resident total fertility rate (TFR), the average number of births a woman will have while living in the school district during her lifetime, is estimated to be 1.89 for the total district for the ten years of the population forecasts. A TFR of 2.1 births per woman is considered to be the theoretical "replacement level" of fertility necessary for a population to remain constant in the absence of in-migration. Therefore, in the absence of migration, fertility alone would be insufficient to maintain the current level of population and enrollment within the Spartanburg County School District Three over the course of the forecast period.

A close examination of data for the Spartanburg County School District Three has shown the age specific pattern of net migration will be nearly constant throughout the life of the forecasts. While the number of in and out migrants has changed in past years for the Spartanburg County School District Three (and will change again over the next 10 years), the basic age pattern of the migrants has stayed nearly the same over the last 30 years. Based on the analysis of data it is safe to assume this age specific migration trend will remain unchanged into the future. This pattern of migration shows most of the local out-migration occurring

in the 18-to-24 year old age group as young adults leave the area to go to college or move to other urbanized areas. The second group of out-migrants is those householders aged 70 and older who are downsizing their residences. Most of the local in-migration occurs in the 0-to-9 and 25-44 age groups (the bulk of the which come from areas within 100 miles of the Spartanburg County School District Three) primarily consisting of younger adults and their children.

As the Spartanburg County area is not currently contemplating any major expansions or contractions, the forecasts also assume that the current economic, political, social, and environmental factors, as well as the transportation and public works infrastructure (with a few notable exceptions) of the Spartanburg County School District Three and its attendance areas will remain the same through the year 2029. Below is a list of assumptions and issues that are specific to the Spartanburg County School District Three. These issues have been used to modify the population forecast models to more accurately predict the impact of these factors on each area's population change.

Specifically, the forecasts for the Spartanburg County School District Three assume that throughout the study period:

- a. The national, state or regional economy does not go into deep recession at any time during the 10 years of the forecasts; (Deep recession is defined as four consecutive quarters where the GDP contracts greater than 1% per quarter)
- b. Interest rates have reached a historic low and will not fluctuate more than one percentage point in the short term; the interest rate for a 30 year fixed home mortgage stays below 5.0%;
- c. The rate of mortgage approval stays at 1999-2003 levels and lenders do not return to "sub-prime" mortgage practices;
- d. There are no additional restrictions placed on home mortgage lenders or additional bankruptcies of major credit providers;
- e. The rate of housing foreclosures does not exceed 125% of the 2005-2007 average of Spartanburg County for any year in the forecasts;
- f. All currently planned, platted, approved and permitted housing developments are built out and completed by 2028. All housing units constructed are occupied by 2029;
- g. The district has at least 200 existing single-family home sales annually between 2019 and 2029;
- h. The unemployment rates for the Spartanburg County and the Spartanburg Metropolitan Area will remain below 6.0% for the 10 years of the forecasts;
- i. The intra district student transfer policy remains unchanged over the next 10 years;

- j. The rate of students transferring into and out of the Spartanburg County School District Three will remain at the 2015-16 to 2019-20 average;
- k. The inflation rate for gasoline will stay below 5% per year for the 10 years of the forecasts;
- l. There will be no building moratorium within the district;
- m. The State of South Carolina does not change any of its current laws regarding inter-district transfers, school vouchers or charter schools;
- n. No new charter schools open in the district or surrounding area in the next 10 years;
- o. Businesses within the district and the Spartanburg County School District Three area will remain viable;
- p. The number of existing home sales in the district that are a result of “distress sales” (homes worth less than the current mortgage value) will not exceed 20% of total homes sales in the district for any given year;
- q. Housing turnover rates (sale of existing homes in the district) will remain at their current levels. The majority of existing home sales are made by home owners over the age of 60;
- r. Private school and home school attendance rates will remain constant;

- s. The rate of foreclosures for commercial property remains at the 2014-2018 average for Spartanburg County.

If a major employer in the district or in the Greater Spartanburg Metropolitan Area closes, reduces or expands its operations, the population forecasts would need to be adjusted to reflect the changes brought about by the change in economic and employment conditions. The same holds true for any type of natural disaster, major change in the local infrastructure (e.g., highway construction, water and sewer expansion, changes in zoning regulations etc.), a further economic downturn, any additional weakness in the housing market or any instance or situation that causes rapid and dramatic population changes that could not be foreseen at the time the forecasts were calculated.

The high proportion of high school graduates from the Spartanburg County School District Three that attend college or move to urban areas outside of the district for employment is a significant demographic factor. Their departure is a major reason for the extremely high out-migration in the 18 to 24 age group, and was taken into account when calculating these forecasts. The out-migration of graduating high school seniors is expected to continue over the period of the forecasts and the rate of out-migration has been forecasted to remain the same over the life of the forecast series.

Finally, all demographic trends (i.e., births, deaths, and migration)

are assumed to be linear in nature and annualized over the forecast period. For example, if 1,000 births are forecasted for a 5-year period, an equal number, or proportion of the births are assumed to occur every year, 200 per year. Actual year-to-year variations do and will occur, but overall year to year trends are expected to be constant.

METHODOLOGY

The population forecasts presented in this report are the result of using the Cohort-Component Method of population forecasting (Siegel, and Swanson, 2004: 561-601) (Smith et. al. 2004). As stated in the **INTRODUCTION**, the difference between a projection and a forecast is in the use of explicit judgment based upon the unique features of the area under study. Strictly speaking, a cohort projection refers to the future population that would result if a mathematical extrapolation of historical trends. Conversely, a cohort-component forecast refers to the future population that is expected because of a studied and purposeful selection of the components of change (i.e., births, deaths, and migration) and forecast models are developed to measure the impact of these changes in each specific geographic area.

Five sets of data are required to generate population and enrollment forecasts. These five data sets are:

- a. a base-year population (here, the 2010 Census population for the Spartanburg County School District Three and its attendance areas);

- b. a set of age-specific fertility rates for the district to be used over the forecast period and its attendance areas;
- c. a set of age-specific survival (mortality) rates for the district and its attendance areas;
- d. a set of age-specific migration rates for the district and its attendance areas; and;
- e. the historical enrollment figures by grade.

The most significant and difficult aspect of producing enrollment forecasts is the generation of the population forecasts in which the school age population (and enrollment) is embedded. In turn, the most challenging aspect of generating the population forecasts is found in deriving the rates of change in fertility, mortality, and migration. From the standpoint of demographic analysis, the Spartanburg County School District Three is classified as a “small area” population (as compared to the population of the state of South Carolina or to that of the United States).

Small area population forecasts are more complicated to calculate because local variations in fertility, mortality, and migration may be more irregular than those at the regional, state or national scale. Especially challenging is the forecast of the migration rates for local areas, because changes in the area's socioeconomic characteristics can quickly change from past and current patterns (Peters and Larkin, 2002.)

The population forecasts for Spartanburg County School District Three were calculated using a cohort-component method with the populations divided into male and female groups by five-year age cohorts that range from 0-to-4 years of age to 85 years of age and older (85+). Age- and sex-specific fertility, mortality, and migration models were constructed to specifically reflect the unique demographic characteristics of each of the attendance areas in the Spartanburg County School District Three.

The enrollment forecasts were calculated using a modified average survivorship method. Average survivor rates (i.e., the proportion of students who progress from one grade level to the next given the average amount of net migration for that grade level) over the previous five years of year-to-year enrollment data were calculated for grades two through twelve. This procedure is used to identify specific grades where there are large numbers of students changing facilities for non-demographic factors, such as private school transfers or enrollment in special programs.

The survivorship rates were modified or adjusted to reflect the average rate of forecasted in and out migration of 5-to-9, 10-to-14 and 15-to-17-year-old cohorts to each of the attendance centers in Spartanburg County School District Three for the period 2010 to 2015. These survivorship rates then were adjusted to reflect the forecasted changes in age-specific migration the district should experience over the next five years. These modified survivorship rates were used to project the enrollment of grades 2 through 12 for

the period 2015 to 2020. The survivorship rates were adjusted again for the period 2020 to 2025 to reflect the predicted changes in the amount of age-specific migration in the district for the period.

The forecasted enrollments for kindergarten and first grade are derived from the 5-to-9 year old population of the age-sex population forecast at the elementary attendance center district level. This procedure allows the changes in the incoming grade sizes to be factors of forecasted population change and not an extrapolation of previous class sizes. Given the potentially large amount of variation in Kindergarten enrollment due to parental choice, changes in the state's minimum age requirement, and differing district policies on allowing children to start Kindergarten early, first grade enrollment is deemed to be a more accurate and reliable starting point for the forecasts. (McKibben, 1996) The level of the accuracy for both the population and enrollment forecasts at the school district level is estimated to be $\pm 2.0\%$ for the life of the forecasts.

REFERENCES

- McKibben, J.
The Impact of Policy Changes on
Forecasting for School District.
Population Research and Policy
Review, Vol. 15, No. 5-6, December
1996
- McKibben, J., M. Gann, and K. Faust.
The Baby Boomlet's Role in Future
College Enrollment. American
Demographics, June 1999.
- Peters, G. and R. Larkin
Population Geography. 7th Edition.
Dubuque, IA: Kendall Hunt
Publishing. 2002.
- Siegel, J. and D. Swanson
The Methods and Materials of
Demography: Second Edition,
Academic Press: New York, New
York. 2004.
- Smith, S., J. Tayman and D. Swanson
State and Local Population
Projections, Academic Press, New
York, New York. 2001.

Appendix A: Supplemental Tables

Table 1: Forecasted Elementary Area Population Change, 2010 to 2020

	2010	2015	2010-2015 Change	2020	2015-2020 Change	2010-2020 Change
Cannons	3,431	3,540	3.2%	3,660	3.4%	6.7%
Cowpens	6,846	7,090	3.6%	7,230	2.0%	5.6%
Pacolet	6,383	6,500	1.8%	6,570	1.1%	2.9%
District Total	16,661	17,130	2.8%	17,460	1.9%	4.8%

Table 2: Household Characteristics by Elementary Area, 2010 Census

	HH w/ Pop Under 18	% HH w/ Pop Under 18	Total Households	Household Population	Persons Per Household
Cannons	458	32.9%	1,389	3,427	2.47
Cowpens	941	35.2%	2,672	6,797	2.54
Pacolet	789	30.5%	2,584	6,375	2.47
District Total	2,188	32.9%	6,644	16,600	2.50

Table 3: Householder Characteristics by Elementary Area, 2010 Census

	Percentage of Householders aged 35-54	Percentage of Householders aged 65+	Percentage of Householders who own homes
Cannons	37.7%	26.3%	69.1%
Cowpens	39.0%	25.5%	73.6%
Pacolet	37.5%	29.1%	78.2%
District Total	38.2%	27.1%	74.4%

Table 4: Percentage of Households that are Single Person Households and Single Person Households that are over age 65 by Elementary Area, 2010 Census

	Percentage of Single Person Households	Percentage of Single Person Households and are 65+
Cannons	27.2%	11.3%
Cowpens	26.3%	11.0%
Pacolet	25.4%	11.9%
District Total	26.2%	11.4%

Table 5: Elementary Enrollment (PK-5), 2019, 2024, 2029

	2019	2024	2019-2024 Change	2029	2024-2029 Change	2019-2029 Change
Cannons	352	316	-10.2%	321	1.6%	-8.8%
Cowpens	477	427	-10.5%	440	3.0%	-7.8%
Pacolet	455	480	5.5%	476	-0.8%	4.6%
District Total	1,285	1,223	-4.8%	1,237	1.1%	-3.7%

Table 6: Age Under One to Age Ten Population Counts, by Year of Age, by Elementary Area: 2010 Census

	Under 1 year	1 year	2 years	3 years	4 years	5 years	6 years	7 years	8 years	9 years	10 years
Cannons	44	45	36	53	37	34	43	42	35	46	44
Cowpens	88	105	69	75	82	83	81	84	89	108	110
Pacolet	75	61	64	68	76	67	67	71	89	74	78
District Total	208	211	169	196	195	184	191	197	213	227	232

Table 7: Comparison of District Resident Enrollment by Grade with 2010 Census Counts by Age, 2014-2019

2010 Census	Under 1 year	1 year	2 years	3 years	4 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years
Spartanburg District Three Total	208	211	169	196	195	184	191	197	213	227	232	245	233	252
2019 Enrollment	180	257	214	214	223	222	205	200	203					
	86.8%	121.5%	126.7%	109.4%	114.2%	120.5%	107.3%	101.2%	95.5%					
2018 Enrollment	182	253	210	214	239	191	233	225	194	204				
	87.5%	119.7%	124.3%	109.4%	122.7%	104.1%	122.3%	113.8%	91.1%	89.9%				
2017 Enrollment	184	253	206	210	230	187	222	270	229	197	212			
	88.4%	119.9%	122.2%	107.1%	118.2%	101.8%	116.2%	136.7%	107.9%	87.0%	91.5%			
2016 Enrollment	190	247	211	205	213	174	212	219	276	224	195	213		
	91.3%	116.7%	125.2%	104.6%	109.4%	94.8%	111.5%	111.0%	129.7%	98.7%	84.0%	87.2%		
2015 Enrollment	187	244	207	196	205	173	200	218	222	282	233	197	228	
	90.3%	115.2%	122.6%	100.3%	105.1%	94.3%	104.8%	110.2%	104.5%	124.6%	100.4%	80.5%	98.1%	
2014 Enrollment		230	221	200	203	171	217	214	226	231	272	233	201	227
		108.7%	131.0%	102.1%	104.4%	93.0%	114.0%	108.6%	106.2%	101.7%	117.3%	95.4%	86.4%	90.1%

Grade 1 in Red

Appendix B: Population Forecasts

Spartanburg District Three Total Population

	2010	2015	2020	2025	2030
0-4	978	930	930	960	940
5-9	1,011	1,060	1,100	1,070	1,110
10-14	1,210	1,030	1,080	1,120	1,090
15-19	1,163	1,090	900	940	980
20-24	898	870	780	630	670
25-29	869	1,020	990	930	750
30-34	879	1,030	1,160	1,150	1,070
35-39	1,089	1,010	1,150	1,290	1,280
40-44	1,231	1,160	1,070	1,160	1,330
45-49	1,241	1,220	1,150	1,060	1,150
50-54	1,222	1,230	1,200	1,140	1,050
55-59	1,111	1,190	1,190	1,190	1,110
60-64	1,157	1,060	1,150	1,170	1,140
65-69	862	1,090	990	1,040	1,040
70-74	650	800	990	880	920
75-79	511	570	700	870	770
80-84	333	420	470	570	710
85+	247	350	460	540	650
Total	16,661	17,130	17,460	17,710	17,760
Median Age	40.9	42.3	43.0	43.3	43.7
Births	770	780	750	730	
Deaths	650	770	870	980	
Natural Increase	120	10	-120	-250	
Net Migration	310	320	350	350	
Change	430	330	230	100	

Differences between period Totals may not equal Change due to rounding.

Cannons Elementary Total Population

	2010	2015	2020	2025	2030
0-4	216	180	170	200	200
5-9	199	260	280	250	260
10-14	235	200	260	280	250
15-19	241	200	160	210	240
20-24	212	200	150	110	160
25-29	175	250	240	200	150
30-34	187	220	290	290	240
35-39	219	200	240	310	310
40-44	264	220	200	230	310
45-49	250	260	210	200	230
50-54	250	240	260	210	200
55-59	238	240	240	260	210
60-64	224	220	240	240	240
65-69	188	210	200	200	200
70-74	119	180	180	160	170
75-79	105	100	160	150	140
80-84	58	90	90	130	130
85+	53	70	90	100	130
Total	3,431	3,540	3,660	3,730	3,770
Median Age	40.6	41.4	41.0	40.3	41.2
Births	140	150	140	130	
Deaths	130	160	170	190	
Natural Increase	10	-10	-30	-60	
Net Migration	100	110	120	110	
Change	110	100	90	50	

Differences between period Totals may not equal Change due to rounding.

Cowpens Elementary Total Population

	2010	2015	2020	2025	2030
0-4	418	400	410	410	400
5-9	445	420	430	410	430
10-14	565	460	440	450	430
15-19	485	520	420	390	400
20-24	385	330	360	280	270
25-29	369	430	370	420	320
30-34	387	440	490	440	480
35-39	484	460	500	560	510
40-44	502	520	490	540	600
45-49	492	500	520	490	530
50-54	458	490	490	510	480
55-59	424	450	470	480	500
60-64	458	410	430	460	470
65-69	336	440	390	390	410
70-74	246	320	410	360	340
75-79	182	220	270	360	310
80-84	117	150	170	220	290
85+	95	130	170	200	250
Total	6,846	7,090	7,230	7,370	7,420
Median Age	38.8	40.8	42.0	43.0	43.9
Births	340	340	330	330	
Deaths	240	290	340	390	
Natural Increase	100	50	-10	-60	
Net Migration	110	110	120	120	
Change	210	160	110	60	

Differences between period Totals may not equal Change due to rounding.

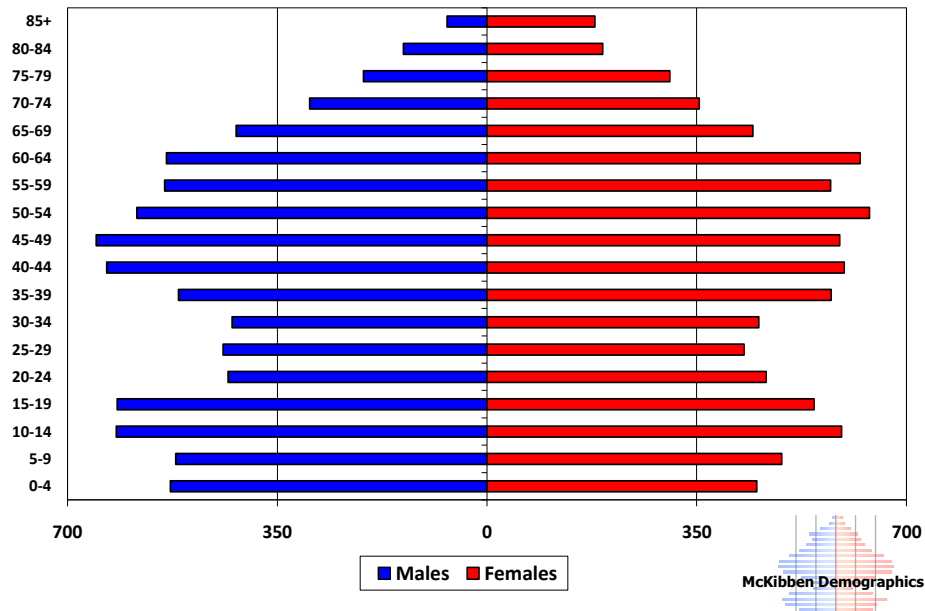
Pacolet Elementary Total Population

	2010	2015	2020	2025	2030
0-4	345	350	350	350	340
5-9	367	380	390	410	420
10-14	410	370	380	390	410
15-19	437	370	320	340	340
20-24	301	340	270	240	240
25-29	325	340	380	310	280
30-34	305	370	380	420	350
35-39	387	350	410	420	460
40-44	465	420	380	390	420
45-49	499	460	420	370	390
50-54	514	500	450	420	370
55-59	450	500	480	450	400
60-64	476	430	480	470	430
65-69	338	440	400	450	430
70-74	285	300	400	360	410
75-79	224	250	270	360	320
80-84	159	180	210	220	290
85+	99	150	200	240	270
Total	6,383	6,500	6,570	6,610	6,570
Median Age	43.4	44.5	45.3	45.5	45.3
Births	290	290	280	270	
Deaths	280	320	360	400	
Natural Increase	10	-30	-80	-130	
Net Migration	100	100	110	120	
Change	110	70	30	-10	

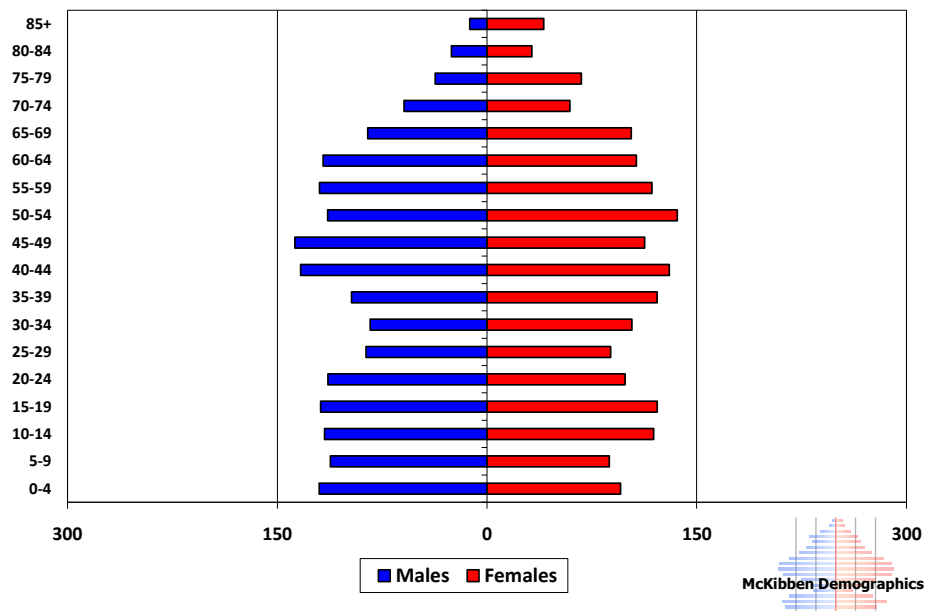
Differences between period Totals may not equal Change due to rounding.

Appendix C: Population Pyramids

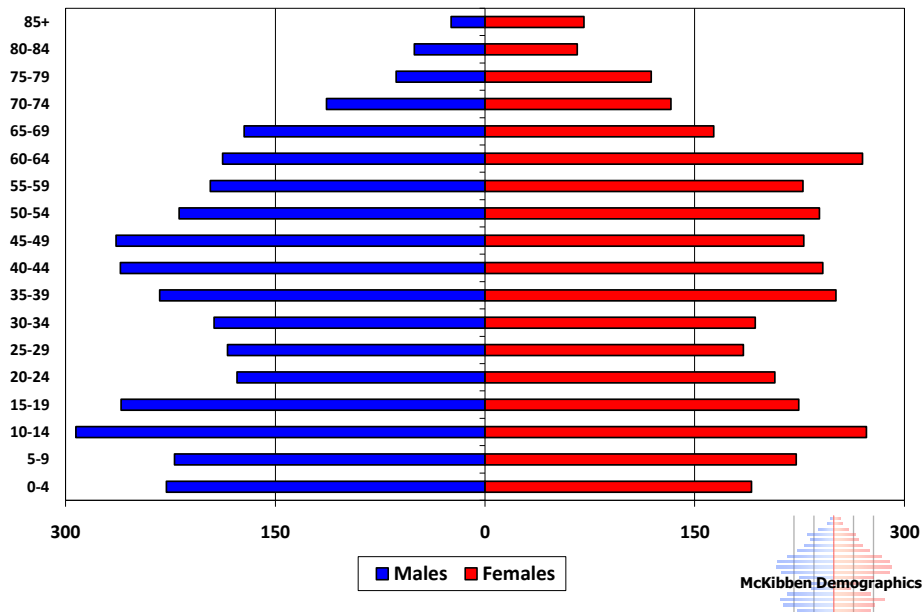
Spartanburg, SC Population – 2010 Census



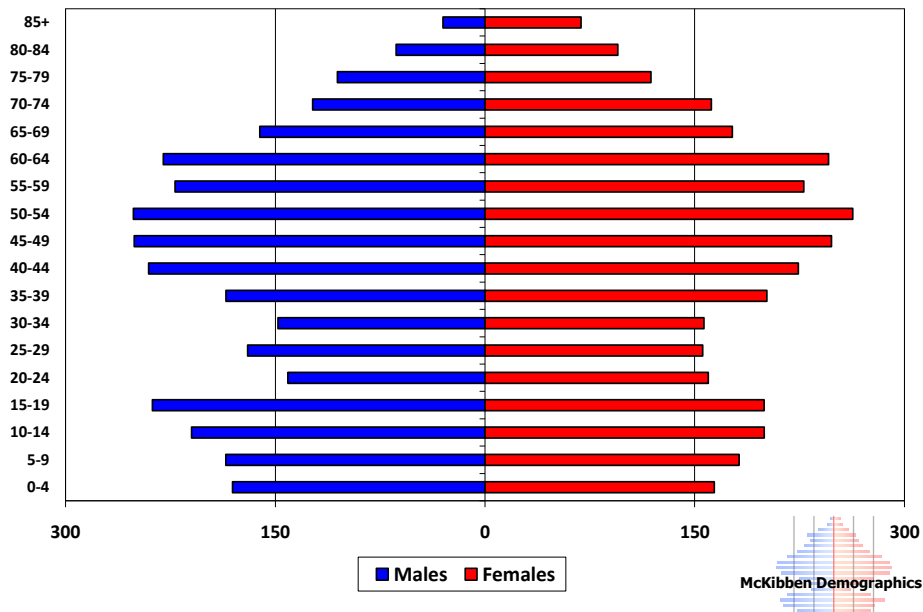
Cannons Elementary Population – 2010 Census



Cowpens Elementary Population – 2010 Census



Pacolet Elementary Population – 2010 Census



Appendix D: Enrollment Forecasts

Spartanburg District Three Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
PK	127	121	117	116	116	116	116	116	116	116	116	116	116	116
K	209	184	190	165	181	182	183	183	184	183	183	181	178	181
1	190	210	187	194	176	190	190	191	191	192	191	188	186	183
2	247	184	200	182	189	172	186	186	187	188	189	188	185	183
3	211	253	182	191	180	187	171	184	184	186	188	189	188	185
4	205	206	253	180	193	181	189	173	186	186	190	191	193	191
5	213	210	210	257	182	196	182	191	175	188	191	195	196	198
Total: PK-5	1402	1368	1338	1285	1217	1224	1217	1224	1223	1239	1248	1248	1242	1237
6	174	230	214	214	265	187	202	187	197	182	196	199	203	206
7	212	187	239	214	214	268	189	204	189	200	185	199	202	206
8	219	222	191	223	215	213	267	188	203	188	199	184	198	201
Total: 6-8	606	639	645	650	694	668	658	579	589	570	580	582	603	613
9	276	270	233	222	256	247	245	307	216	233	216	229	212	228
10	224	229	225	205	195	225	217	216	270	190	205	190	202	187
11	195	197	194	200	184	176	203	195	194	243	171	185	171	182
12	213	212	204	203	210	193	185	213	205	204	255	180	194	180
Total: 9-12	908	909	855	829	845	841	850	931	885	870	847	784	779	777
Total: PK-12	2915	2916	2838	2764	2756	2733	2725	2734	2697	2679	2675	2614	2624	2627
Total: PK-12	2915	2916	2838	2764	2756	2733	2725	2734	2697	2679	2675	2614	2624	2627
Change		1	-78	-74	-8	-23	-8	9	-37	-18	-4	-61	10	3
%-Change		0.0%	-2.7%	-2.6%	-0.3%	-0.8%	-0.3%	0.3%	-1.4%	-0.7%	-0.1%	-2.3%	0.4%	0.1%
Total: K-5	1402	1368	1338	1285	1217	1224	1217	1224	1223	1239	1248	1248	1242	1237
Change		-33	-30	-54	-68	7	-7	7	-1	16	9	0	-6	-5
%-Change		-2.4%	-2.2%	-4.0%	-5.3%	0.6%	-0.6%	0.6%	-0.1%	1.3%	0.7%	0.0%	-0.5%	-0.4%
Total: 6-8	606	639	645	650	694	668	658	579	589	570	580	582	603	613
Change		33	6	6	44	-26	-10	-79	10	-19	10	2	21	10
%-Change		5.5%	0.9%	0.9%	6.7%	-3.7%	-1.5%	-12.0%	1.7%	-3.2%	1.8%	0.3%	3.6%	1.7%
Total: 9-12	908	909	855	829	845	841	850	931	885	870	847	784	779	777
Change		1	-54	-26	16	-4	9	81	-46	-15	-23	-63	-5	-2
%-Change		0.1%	-5.9%	-3.1%	2.0%	-0.5%	1.1%	9.5%	-4.9%	-1.7%	-2.6%	-7.4%	-0.6%	-0.3%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Cannons Elementary: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
PK	27	20	22	37	37	37	37	37	37	37	37	37	37	37
K	41	33	37	41	49	49	48	48	47	47	47	47	46	47
1	31	37	37	53	46	51	51	50	50	49	49	48	48	47
2	46	31	34	53	51	44	49	49	48	49	48	48	47	47
3	32	45	29	55	51	49	42	47	47	47	48	47	47	46
4	34	37	44	44	53	49	48	41	46	46	48	49	48	48
5	32	32	36	69	45	54	49	48	41	46	47	49	50	49
Total K-5	244	235	240	352	332	333	324	320	316	321	324	325	323	321
Total K-5	244	235	240	352	332	333	324	320	316	321	324	325	323	321
Change		-9	5	112	-20	1	-9	-4	-4	5	3	1	-2	-2
% Change		-3.7%	2.3%	46.6%	-5.7%	0.3%	-2.7%	-1.2%	-1.3%	1.6%	0.9%	0.3%	-0.6%	-0.6%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Clifdale Elementary: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
PK	40	21	21	0	0	0	0	0	0	0	0	0	0	0
K	47	46	43	0	0	0	0	0	0	0	0	0	0	0
1	39	45	43	0	0	0	0	0	0	0	0	0	0	0
2	58	33	45	0	0	0	0	0	0	0	0	0	0	0
3	39	68	34	0	0	0	0	0	0	0	0	0	0	0
4	48	41	63	0	0	0	0	0	0	0	0	0	0	0
5	47	52	45	0	0	0	0	0	0	0	0	0	0	0
Total K-5	317	307	294	0	0	0	0	0	0	0	0	0	0	0
Total K-5	317	307	294	0	0	0	0	0	0	0	0	0	0	0
Change		-11	-12	-294	0	0	0	0	0	0	0	0	0	0
% Change		-3.4%	-4.1%	-100%										

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Cowpens Elementary: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
PK	40	40	37	40	40	40	40	40	40	40	40	40	40	40
K	62	62	51	59	64	64	65	65	66	66	66	65	64	65
1	62	62	59	68	63	67	67	68	68	69	69	68	67	66
2	74	61	57	76	67	62	66	66	67	67	68	68	67	66
3	54	72	54	67	73	64	60	63	63	64	66	67	67	66
4	63	50	71	70	69	74	65	61	64	64	65	67	68	68
5	62	57	52	97	68	67	72	63	59	62	65	66	68	69
Total K-5	417	404	381	477	444	438	435	426	427	432	439	441	441	440
Total K-5	417	404	381	477	444	438	435	426	427	432	439	441	441	440
Change		-13	-23	97	-33	-6	-3	-9	1	5	7	2	0	-1
% Change		-3.2%	-5.8%	25.4%	-7.0%	-1.4%	-0.7%	-2.1%	0.2%	1.2%	1.6%	0.5%	0.0%	-0.2%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Pacolet Elementary: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
PK	20	40	37	39	39	39	39	39	39	39	39	39	39	39
K	59	43	58	65	68	69	70	70	71	70	70	69	68	69
1	57	66	48	73	67	72	72	73	73	74	73	72	71	70
2	69	58	64	54	71	66	71	71	72	72	73	72	71	70
3	86	69	65	68	56	74	69	74	74	75	74	75	74	73
4	60	78	75	66	71	58	76	71	76	76	77	75	77	75
5	73	68	76	91	69	75	61	80	75	80	79	80	78	80
Total K-5	423	423	423	455	441	453	458	478	480	486	485	482	478	476
Total K-5	423	423	423	455	441	453	458	478	480	486	485	482	478	476
Change		-1	1	32	-14	12	5	20	2	6	-1	-3	-4	-2
% Change		-0.1%	0.2%	7.6%	-3.2%	2.7%	1.1%	4.4%	0.4%	1.3%	-0.2%	-0.6%	-0.8%	-0.4%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Pacolet Middle School: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
6	60	83	69	90	0	0	0	0	0	0	0	0	0	0
7	81	59	84	71	0	0	0	0	0	0	0	0	0	0
8	72	86	61	82	0	0	0	0	0	0	0	0	0	0
Total: 6-8	213	229	213	242	0	0	0	0	0	0	0	0	0	0
Total: 6-8	213	229	213	242	0	0	0	0	0	0	0	0	0	0
Change		16	-16	29	0	0	0	0	0	0	0	0	0	0
% Change		7.5%	-6.8%	13.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Cowpens Middle School: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
6	114	147	146	124	0	0	0	0	0	0	0	0	0	0
7	132	128	155	144	0	0	0	0	0	0	0	0	0	0
8	147	135	131	141	0	0	0	0	0	0	0	0	0	0
Total: 6-8	393	410	432	408	0	0	0	0	0	0	0	0	0	0
Total: 6-8	393	410	432	408	0	0	0	0	0	0	0	0	0	0
Change		17	21	-24	0	0	0	0	0	0	0	0	0	0
% Change		4.3%	5.2%	-5.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

New Middle School: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
6	0	0	0	0	265	187	202	187	197	182	196	199	203	206
7	0	0	0	0	214	268	189	204	189	200	185	199	202	206
8	0	0	0	0	215	213	267	188	203	188	199	184	198	201
Total: 6-8	0	0	0	0	694	668	658	579	589	570	580	582	603	613
Total: 6-8	0	0	0	0	694	668	658	579	589	570	580	582	603	613
Change						-26	-10	-79	10	-19	10	2	21	10
% Change						-3.7%	-1.5%	-12.0%	1.7%	-3.2%	1.8%	0.3%	3.6%	1.7%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Broome High School: Total Enrollment

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26-	2026-27	2027-28	2028-29	2029-30
9	276	270	233	222	256	247	245	307	216	233	216	229	212	228
10	224	229	225	205	195	225	217	216	270	190	205	190	202	187
11	195	197	194	200	184	176	203	195	194	243	171	185	171	182
12	213	212	204	203	210	193	185	213	205	204	255	180	194	180
Total: 9-12	908	909	855	829	845	841	850	931	885	870	847	784	779	777
Total: 9-12	908	909	855	829	845	841	850	931	885	870	847	784	779	777
Change		1	-54	-26	16	-4	9	81	-46	-15	-23	-63	-5	-2
% Change		0.1%	-5.9%	-3.1%	2.0%	-0.5%	1.1%	9.5%	-4.9%	-1.7%	-2.6%	-7.4%	-0.6%	-0.3%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment