
**Population Projections for Red River Valley Counties
and Municipalities, 2000 through 2050**

Population Projections for Red River Valley Counties and Municipalities, 2000 through 2050

**Prepared for
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May 23, 2003

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Executive Summary

The U.S. Department of the Interior, Bureau of Reclamation (Reclamation), is conducting studies to identify reliable sources of water of sufficient quantity and quality to supply homes, businesses, industries, wildlife, and recreation in the Red River Valley through the next five decades. The service area includes the 13 counties in the Red River Valley in North Dakota and Moorhead, East Grand Forks, and Breckenridge in Minnesota. Meeting the future water needs of the Red River Valley communities requires a better understanding of the demographic changes taking place within the counties and municipalities. Other analysts have completed population projections using similar methods, but Reclamation seeks an independent opinion. In April 2003, Northwest Economic Associates (NEA) was contracted by Reclamation to produce population projections for the period of 2000 and 2050 using cohort component method. This report summarizes the results of the population projections for the Red River Valley and each of the counties and municipalities included in the study.

Projection Methodology and Data

Two separate population projections have been developed for the period between 2000 and 2050, using different assumptions about migration. The first projection assumes a net migration rate of zero, which implies that immigration and outmigration balance each other for a net result of zero. In other words, although it is likely that some people move into the area and some move out, the assumption is that these movements cancel each other out. The second projection extends previous trends in migration, so that areas experiencing net immigration will continue to see immigration in the future, and areas experiencing net outmigration will continue to see net outmigration. A third projection result is also presented, and this is simply the average of the first two.

A population projection model was developed to estimate future populations within the Red River Valley. The cohort component method was selected because it is generally regarded as the most comprehensive projection method. The model simulates the growth of a population

by assuming that the population ages, some people have children, and some people die. The model also simulates people moving into the area (immigration) and others moving out of the area (outmigration). The projection model considers both the sex and age distribution of the present population. These characteristics determine the future population for each county and municipality. The most recent population data from the 2000 U.S. Census, broken down by age group and sex, were used in the projection model.

Several assumptions needed to be made in order to use the cohort component method. The assumptions were developed based on the most widely accepted methodologies and procedures for projecting populations of counties and municipalities. These assumptions include the following:

- Fertility rates are assumed to follow national patterns for the non-Hispanic population. The rates used were found in the National Vital Statistics Report, 2002.¹ Fertility rates are assumed to remain constant throughout the period.
- Mortality rates are assumed to follow the average age-specific death rates for the states of Minnesota and North Dakota. The rates were derived from data from the National Center for Health Statistics, 2000.² These rates are assumed to remain constant throughout the projection period.
- Two projections are developed, using different assumptions about net migration. For one projection, net migration is assumed to be zero, implying that the number of people moving out is the same as the number of people migrating in, for a net result of zero.
- The second projection assumes that recent trends in migration continue in patterns similar to the pattern followed for the period between 1990 and 2000. NEA used the “forward survival” method to compare the 2000 population of each county and municipality with the population that would have been there had no one moved in or out. This process involves advancing the 1990 population of each of the geographic areas through births and deaths without any migration. The results of this process reveal the age and sex of both immigrants and outmigrants.

¹ Table No. 9, “Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989 – 2001,” *National Vital Statistics Reports*, Vol. 51, No.2, December 18, 2002, p. 40.

² Table 23A, “Death Rates by 10-year Age Groups: United States and Each State, 2000,” CDC/NCHS, National Vital Statistics System, Mortality. Downloaded at <http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm> on March 5, 2003.

- The total quantity of net immigrants to the Red River Valley counties and municipalities is based on an estimated annual rate of net immigration to total population. This rate was developed based on the forward survival analysis between 1990 and 2000, as well as historical population and economic trends.³

Results and Conclusions

Projection results for the Red River Valley study area are shown in Table ES-1. The population of the total study area is expected to grow from 458,262 in 2000, to between 483,250 and 578,731 by 2050. This growth represents an increase of 15.9 percent on average from the 2000 population. In the years between 2000 and 2020, an average growth rate of 11.3 percent is expected, resulting in a population between 490,439 and 529,497 by 2020. This is followed by a smaller growth rate of 4.1 percent between 2020 and 2050.

Table ES-1
Population Projection Results
Red River Valley County and Municipality Totals, 2000 – 2050

	2000	2010	2020	2030	2040	2050
County Total						
Zero Migration	458,262	475,371	490,439	495,209	492,055	483,250
Trend Migration	458,262	492,693	529,497	557,152	573,079	578,731
Average	458,262	484,032	509,968	526,181	532,567	530,990
Municipality Total						
Zero Migration	262,158	280,495	293,551	300,093	302,506	298,267
Trend Migration	262,158	293,644	327,109	353,662	373,314	383,373
Average	262,158	287,213	310,330	327,113	337,804	341,173
Municipality Total as a Percent of County Total						
Zero Migration	57.2	59.0	59.9	60.6	61.5	61.7
Trend Migration	57.2	59.6	61.8	63.5	65.1	66.2
Average	57.2	59.3	60.9	62.2	63.4	64.3

³ Regional Economic Information System data, U.S. Department of Commerce, Economics and Statistics Administration, Bureau of Economic Analysis, Tables CA25 Full and Part-time Employment, and CA-Regional Economic Profile, for years 1975 through 2000.

The rate of growth slows as a result of two demographic forces. First, the population overall is shifting toward a population comprised of relatively older people. When this happens, a relatively smaller portion of the population is having children, and natural growth (number of births minus number of deaths) slows down. The second factor accounting for the slowing growth is that the recent historical trend in migration suggests net increases in the population due to migration, but increases that decrease through time.

Although results for the region suggest positive increases through time, these are expected to occur in only one or two counties that contain urban centers to attract population. Over the past 25 years, a steady decline has occurred in rural areas, mirroring the decline in agricultural employment in these areas. This phenomenon is seen especially in small towns and in a majority of the counties within the study area. A majority of the municipalities are also expected to experience population declines, while Fargo, Moorhead, and the smaller cities within the vicinity of Fargo and Moorhead are expected to lead the overall population growth in the region.

Cass and Grand Forks Counties in North Dakota, and Clay and Otter Tail Counties in Minnesota are the only four counties with increasing populations forecast in the 50-year period. Because these four counties are also the most populous counties in the Red River Valley, the gains in these counties more than offset losses in the other 18 less populous counties. This pattern underscores the urban migration that is occurring within the Red River Valley, with rural areas losing population while the larger urban region of Fargo and its surrounding cities (and to a lesser extent Grand Forks and its surrounding cities) continue to attract immigrants. Complete results are found in Appendix A.

Many of the municipalities show ultimately a slight decline in population over the 50-year projection horizon, though the total population within the municipalities is expected to increase from 262,158 people to between 298,267 and 383,373 by 2050. Because the municipality population is composed of more young people who will have children, it is expected to grow slightly faster than the region as a whole. This can be seen by the increasing share of the total county population that is expected to live within the municipalities (Table ES-1). Even in the zero migration projection, this share is expected to increase from 57.2 percent in 2000 to 61.7 percent in 2050. This result is reinforced under the trend migration assumption, which includes immigration to the cities, and outmigration from the rural areas, with the municipality share increasing to 66.2 percent.

Several conclusions are suggested by the population projection results, and the migration analysis used in the projection methodology. Some of these are summarized below:

- NEA estimates suggest that even though the total population increased in the Red River Valley between 1990 and 2000, the region experienced net outmigration. This occurs when the natural change in the population, or the natural growth (the number of births minus deaths), exceeds the change in the population due to in and outmigration. Hence

even though the net migration was negative, the natural growth more than made up for the loss. This recent period outmigration however, was centered in Grand Forks County, and due in part to the unusual occurrence of the 1997 flood. Consequently, the longer-term pattern of net immigration to the region is expected to be sustained in the near future.

- The Red River Valley is still experiencing an urbanization trend in population, with larger city populations tending to grow, while remote rural counties and smaller city populations decline.
- The age composition of the study area is changing. The percentage of the population that is under 19 years old was 28 percent in the year 2000, and is expected to drop to 24 percent by 2050. At the same time, while those over age 50 represented 28 percent of the population in 2000, this group is expected to represent 37 percent by 2050. This pattern is seen in many of the individual populations (see Appendices B and C) and is also seen throughout the U.S. as the “baby boom” generation ages.

Population projections by nature are imperfect statements about what will occur in the future. Assuming that current trends in fertility, mortality, and migration continue, the trend migration projection may be the best estimate of future populations. However, because so many factors play a role in determining future populations, it is often helpful to review a collection of projections that use variations of the basic assumptions. For this reason, the zero migration projection, and the average of the zero and the trend migration projections are also presented for consideration.

Introduction

In December 2000, the 106th Congress passed the Dakota Water Resources Act of 2000 (DWRA). Section 8 of DWRA directs the Secretary of the Interior to conduct an open and public comprehensive study of the water quality and quantity needs of the Red River Valley in North Dakota and possible options for meeting those needs. To assess the water use needs of the population of the Red River Valley (RRV) for municipal, rural, and industrial water uses, it is necessary to better understand the demography of the region, and to project the population into the future. U.S. Department of the Interior, Bureau of Reclamation (Reclamation) Dakotas Area Office has contracted with Northwest Economic Associates (NEA) to produce population projections for the separate counties and municipalities within the RRV.

The RRV area population projections reported here are based on a population cohort model, in which the population is segmented into age groups (cohorts) by sex, and the components of change — fertility, mortality, and migration — are applied to the age cohorts. Age/sex cohorts for populations in each of the municipalities and counties within the RRV are projected using two different assumptions about migration patterns. One projection assumes a zero net migration, and the other extends the current trend in migration. Results based on the average of these two projections are also presented.

This section of the report covers a brief description of the study area and the present population. An overview of the modeling procedures used to achieve the projections is provided in a following section, and the results and conclusions are reported in the final section of the report. Several appendices are also provided. The first appendix shows the population projections for all counties and municipalities throughout the projection period, as well as the totals for each state and the total for the study area (Appendix A). There are three tables in Appendix A which present the projection results using the zero net migration assumption, projection results using the trend migration assumption, and results that represent the average of these two projections. Appendices B and C contain one-page summaries of the projection results for each county (Appendix B) and municipality (Appendix C).

Red River Valley

The study area is comprised of 22 counties in the Red River Valley of North Dakota and Minnesota, and includes 41 municipalities within those counties. Fourteen of these counties are in North Dakota and eight in Minnesota. The map on the following page shows the study area, including the county divisions and the municipalities (see Map 1).

The different colors on Map 1 demonstrate the population change that occurred between 1990 and 2000 based on U.S. Census data.⁴ The counties experiencing more than ten percent population growth over the period (shaded red in Map 1) are Otter Tail County, Minnesota, and Cass County, North Dakota. Cass County is home to the largest population of all of the counties, with a 2000 population of 123,138, and the largest city in the region, Fargo, is located in Cass County. Many of the counties have lost between four and ten percent of the population during this period, with 11 counties falling within this range. The counties experiencing population declines of more than 10 percent include Cavalier, Walsh, Nelson, and Griggs Counties, all in North Dakota.

Population changes are also shown for the municipalities in the study area. In general, the pattern of change for the municipality population is similar to the pattern of change found within the county of the municipality. One noticeable exception to this pattern is where a few very small towns experienced population growth, even though the county lost population. Examples of this in North Dakota are Gwinner in Sargeant County; Minto in Walsh County; and Thompson in Grand Forks County. The 1990 population, 2000 population, and percent change are shown in Tables 1 and 2 below.

⁴ Summary File 1, Census 2000, and Summary Tape File 1, 1990, both available at <http://factfinder.census.gov>, downloaded in April 2003.

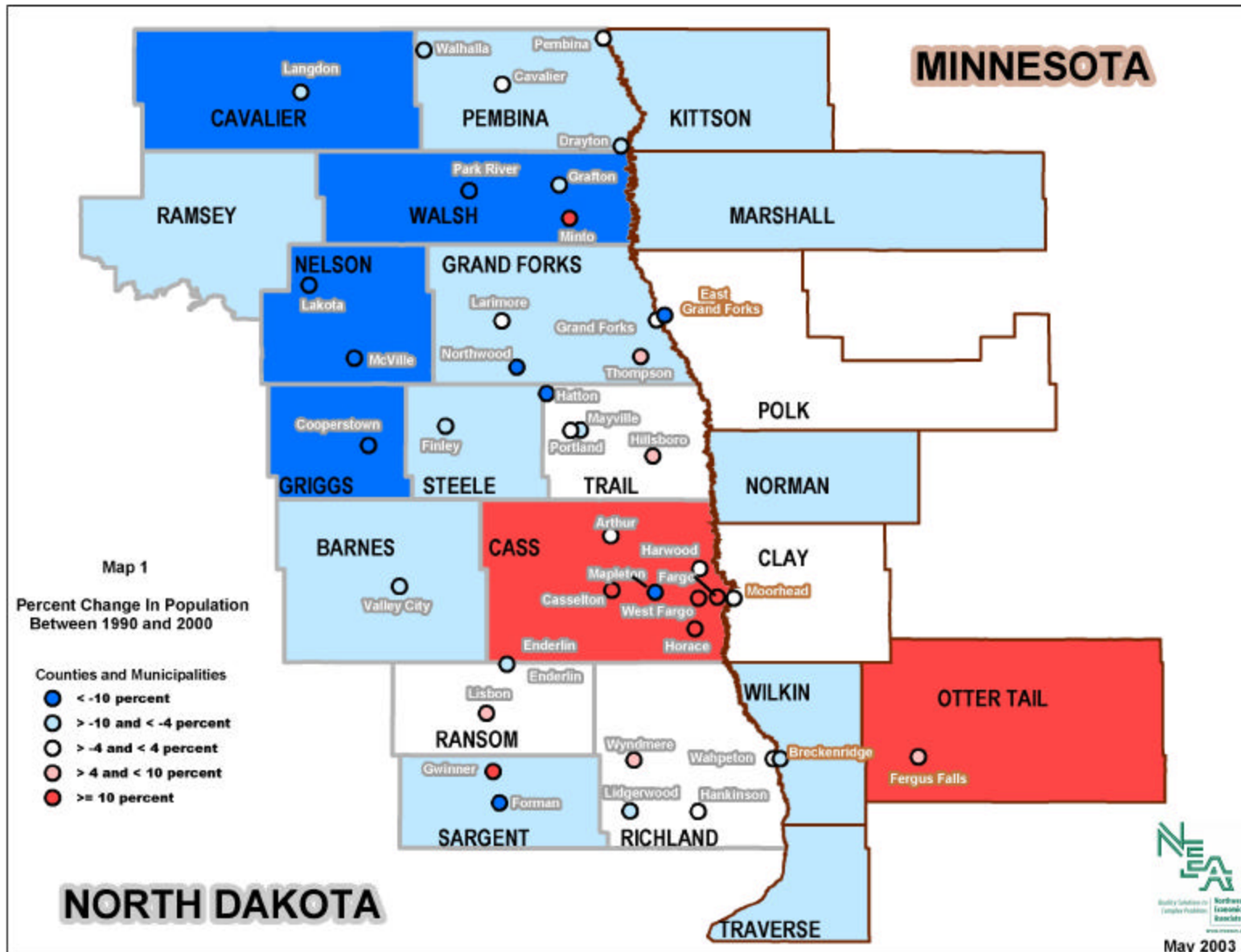


Table 1
Red River Valley
County Population Change Between 1990-2000

	1990	2000	Percent Change
Barnes	12,545	11,775	-6.14%
Cass	102,874	123,138	19.70%
Cavalier	6,064	4,831	-20.33%
Grand Forks	70,683	66,109	-6.47%
Griggs	3,303	2,754	-16.62%
Nelson	4,410	3,715	-15.76%
Pembina	9,238	8,585	-7.07%
Ramsey	12,681	12,066	-4.85%
Ransom	5,921	5,890	-0.52%
Richland	18,148	17,998	-0.83%
Sargent	4,549	4,366	-4.02%
Steele	2,420	2,258	-6.69%
Traill	8,752	8,477	-3.14%
Walsh	13,840	12,389	-10.48%
NORTH DAKOTA	275,428	284,351	3.24%
TOTAL			
Clay	50,422	51,229	1.60%
Kittson	5,767	5,285	-8.36%
Marshall	10,993	10,155	-7.62%
Norman	7,975	7,442	-6.68%
Otter Tail	50,714	57,159	12.71%
Polk	32,498	31,369	-3.47%
Traverse	4,463	4,134	-7.37%
Wilkin	7,516	7,138	-5.03%
MINNESOTA TOTAL	170,348	173,911	2.09%
GRAND TOTAL	445,776	458,262	2.80%

Source: Summary File 1, Census 2000, and Summary Tape File 1, 1990, both available at <http://factfinder.census.gov>, downloaded in April 2003.

Table 2
Red River Valley
Municipality Population Change Between 1990-2000

Municipality	County	1990	2000	Percent Change
Arthur	Cass	400	402	0.50%
Casselton	Cass	1,601	1,855	15.87%
Cavalier	Pembina	1,508	1,537	1.92%
Cooperstown	Griggs	1,247	1,053	-15.56%
Drayton	Pembina	961	913	-4.99%
Enderlin	Cass	997	947	-5.02%
Fargo	Cass	74,111	90,599	22.25%
Finley	Steele	543	515	-5.16%
Forman	Sargent	586	506	-13.65%
Grafton	Walsh	4,840	4,516	-6.69%
Grand Forks	Grand Forks	49,425	49,321	-0.21%
Gwinner	Sargent	585	717	22.56%
Hankinson	Richland	1,038	1,058	1.93%
Harwood	Cass	590	607	2.88%
Hatton	Traill	800	707	-11.63%
Hillsboro	Traill	1,488	1,563	5.04%
Horace	Cass	662	915	38.22%
Lakota	Nelson	898	781	-13.03%
Langdon	Cavalier	2,241	2,101	-6.25%
Larimore	Grand Forks	1,464	1,433	-2.12%
Lidgerwood	Richland	799	738	-7.63%
Lisbon	Ransom	2,177	2,292	5.28%
Mapleton	Cass	682	606	-11.14%
Mayville	Traill	2,092	1,953	-6.64%
McVile	Nelson	559	470	-15.92%
Minto	Walsh	560	657	17.32%
Northwood	Grand Forks	1,166	959	-17.75%
Park River	Walsh	1,725	1,535	-11.01%
Pembina	Pembina	642	642	0.00%
Portland	Traill	602	604	0.33%
Thompson	Grand Forks	930	1,006	8.17%
Valley City	Barnes	7,163	6,826	-4.70%
Wahpeton	Richland	8,751	8,586	-1.89%
Walhalla	Pembina	1,131	1,057	-6.54%
West Fargo	Cass	12,287	14,940	21.59%
Wyndmere	Richland	501	533	6.39%
TOTAL NORTH DAKOTA		187,752	205,450	9.43%
Breckenridge	Wilkin	3,708	3,559	-4.02%
East Grand Forks	Polk	8,658	7,501	-13.36%
Fergus Falls	Otter Tail	12,362	13,471	8.97%
Moorhead	Clay	32,295	32,177	-0.37%
TOTAL MINNESOTA		57,023	56,708	-0.6%
GRAND TOTAL		244,775	262,158	7.6%

Source: Summary File 1, Census 2000, and Summary Tape File 1, 1990, both available at <http://factfinder.census.gov>, downloaded in April 2003.

Methodology

Cohort Component Method

The cohort component method of projecting populations is regarded as the most comprehensive projection method. It involves distributing the population into segments by age and sex (cohorts), and applying specific demographic rates of fertility, mortality (survival), and net migration to each cohort as the segment ages. Fertility, mortality, and net migration are known as the components of change, and hence the method is called the cohort component method.

In this model, five-year cohorts are used. The projected value for each interval of time is determined by applying the components of change to the preceding age cohort in the previous interval. Revisions to the cohort size are made based on survival rates for a given age-cohort, and annual estimates of births are created by applying age-cohort specific fertility rates to the female cohort of each child-bearing age-cohort. Revisions to the size of a cohort in an area are also subject to migration rates. Both immigration and outmigration are summed to arrive at rates of net migration for each age cohort. The base population is from the 2000 U.S. Census data. The assumptions used to develop the components of change within the projection model are described below.

Fertility

The fertility rates used in the projection model are assumed to follow national patterns for the non-Hispanic population. The rates used were found in the National Vital Statistics Report,

2002.⁵ Fertility rates are assumed to remain constant throughout the period. Fertility rates used in the forward survival procedure to estimate net migration were based on national rates for white non-Hispanic women.⁶ Rates for non-Hispanic whites were used because these rates were found to parallel the birth and fertility rates found in North Dakota and Minnesota.

Mortality

Mortality rates are assumed to follow the average age-specific death rates for the states of Minnesota and North Dakota. The rates were derived from data from the National Center for Health Statistics, 2000.⁷ These rates are assumed to remain constant throughout the projection period. Although such rates are often assumed to decrease (as people tend to live longer), the current mortality rates for North Dakota and Minnesota are already significantly below those found at the national level, and it is not certain whether or not rates that are already low will continue to decline. Mortality rates are converted into survival rates (the percent of the cohort who live, rather than die) and then applied in the model.

Migration

The migration component of a cohort component model is often the component that is most difficult to estimate. In general, there is greater uncertainty about future trends in migration than there is surrounding other components of the model. Many similarly uncertain forces play a role in migration, such as job growth, housing availability, schools, farm policy, availability of healthcare, and the changing preferences of the age cohort that tends to dominate migration — those aged 20 to 34 years. NEA used a variety of data sources to consider the recent historical trends that have influenced migration in the Red River Valley.⁸ This information was used in conjunction with estimates of migration that occurred between 1990 and 2000 to project the future net migration as a percent of the total population.

⁵ Table No. 9, “Total fertility rates, fertility rates, and birth rates by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989 – 2001,” *National Vital Statistics Reports*, Vol. 51, No.2, December 18, 2002, p. 40.

⁶ Table No. 8, “Fertility rates and birth rates by age of mother, live birth order, Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1996,” *Monthly Vital Statistics Reports*, Vol. 46, No.11 (S), June 30, 1998, p. 39.

⁷ Table 23A, “Death Rates by 10-year Age Groups: United States and Each State, 2000,” CDC/NCHS, National Vital Statistics System, Mortality. Downloaded at <http://www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm> on March 5, 2003.

⁸ NEA depended primarily on census data from Summary File 1, 2000, and Summary Tape File 1, 1990, and Regional Economic Information System data, U.S. Department of Commerce, Economics and Statistics Administration, Bureau of Economic Analysis, Tables CA25 Full and Part-time Employment, and CA-Regional Economic Profile, for years 1975 through 2000.

The 1990 to 2000 trends in migration by age and sex were estimated using the forward survival method. This method simulates the growth of the 1990 population into 2000 assuming that there was no immigration nor outmigration, but merely births and deaths at rates that existed in the 1990s. The difference between the simulated population in 2000 and the actual population in 2000 can be assumed to be the result of migration. Migration estimates for each geographic area were developed using the method. The results of these estimates are shown later in this document.

Based on the estimates of 1990 to 2000 net migrations for each county and municipality by age and sex, the pattern of migration was repeated in the forecast period, at a slightly decreasing rate. The reduction in the rate of migration (regardless of whether the net migration is negative or positive) is based on an analysis of 25-year trends in changing population rates. Most of the counties are experiencing population changes (both those experiencing increases and those experiencing decreases) at decreasing rates. This pattern is also assumed to continue, with reductions on a decade-by-decade basis until the period from 2040 to 2050, when the net migration is reduced by half of the percent of the previous decade. In the case of Grand Forks County and municipality of Grand Forks, the 1990-2000 pattern is assumed to be an anomaly, and the rate of net migration is developed based primarily on population changes prior to the flood (between 1975 and 1995)⁹.

A similar method was used to project migration for the municipalities. However, in certain cases for the municipalities, the estimated rate of net migration was repeated at the estimated 1990-2000 rate for the period between 2000 and 2010 and only then reduced beginning in the period between 2020 and 2030. The cases where this occurred were those cases where the growth or decline of the municipality was in the same direction as the growth or decline of the county in which the municipality resides. In such a case, the migration may be accentuated by the pattern of the surrounding county, and hence the chances are better that the pattern will continue at the current strength.

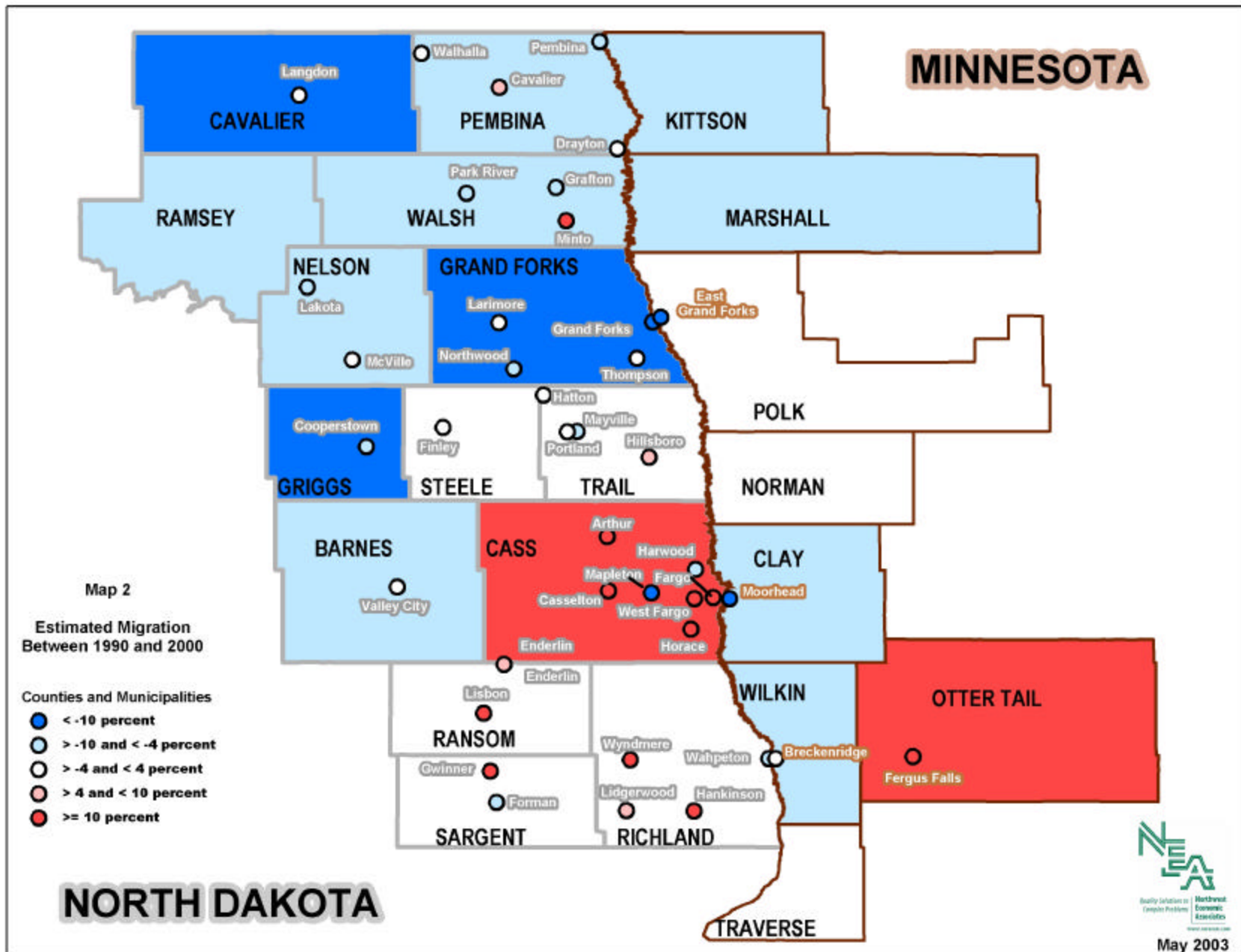
⁹ Regional Economic Information System data, U.S. Department of Commerce, Economics and Statistics Administration, Bureau of Economic Analysis, Tables CA25 Full and Part-time Employment, and CA-Regional Economic Profile, for years 1975 through 1995.

Results

Migration Analysis

The results of the forward survival of the 1990 populations suggest that even though the total population increased in the RRV between 1990 and 2000, the region experienced net outmigration. This occurs when the natural change in the population, or the natural growth (the number of births minus deaths), exceeds the change in the population due to in and outmigration. Even though the net migration was negative, with more people moving out of the region than moved in, the natural growth made up for the loss in population due to migration. By 2000, an estimated 2.8 percent of the 1990 population in the study area had left, with over 12,000 people moving out. Grand Forks County also experienced a net outmigration of over 12,000 in the decade between 1990 and 2000. However, many of these people may have left Grand Forks County and moved into another county within the RRV, hence the outmigration seen in Grand Forks County does not necessarily correspond to the net outmigration experienced by the region as a whole.

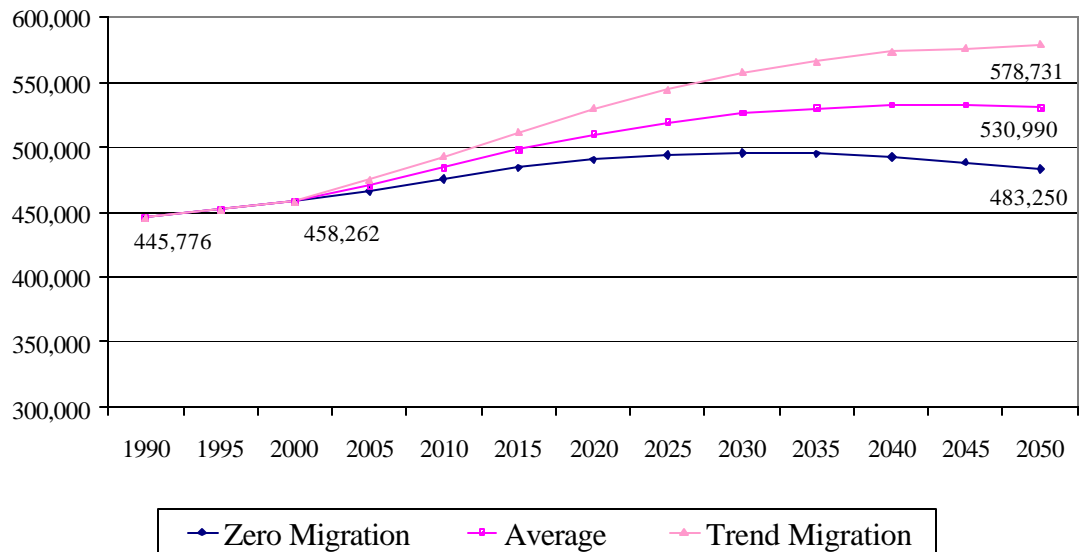
The migration analyses between 1990 and 2000 vary across individual counties and municipalities, with positive net migration estimated in just two counties: Cass in North Dakota and Otter Tail in Minnesota. Results are shown on Map 2. The analyses shows that net migration was usually found to occur in the same direction as the population change (either positive or negative), although not necessarily with a parallel magnitude. By comparing the migration change from Map 2 with the total population change from Map 1, it is clear that some counties and municipalities experienced greater impacts from net migration than in total population, while others experienced relatively greater total population changes than migration-induced changes.



Projections

Results of the projections for all counties and municipalities are shown in Appendix A. The results for the total study area are shown graphically in Figure 1 below. The population of the total RRV study area is expected to grow from 458,262 in 2000, to between 483,250 and 578,731 in 2050, with an average value of 530,990. This growth represents an average increase of 15.9 percent from the 2000 population. The results are also shown in Table 3.

Figure 1
Population Projection for the Red River Valley
of North Dakota and Minnesota, 1990 - 2050



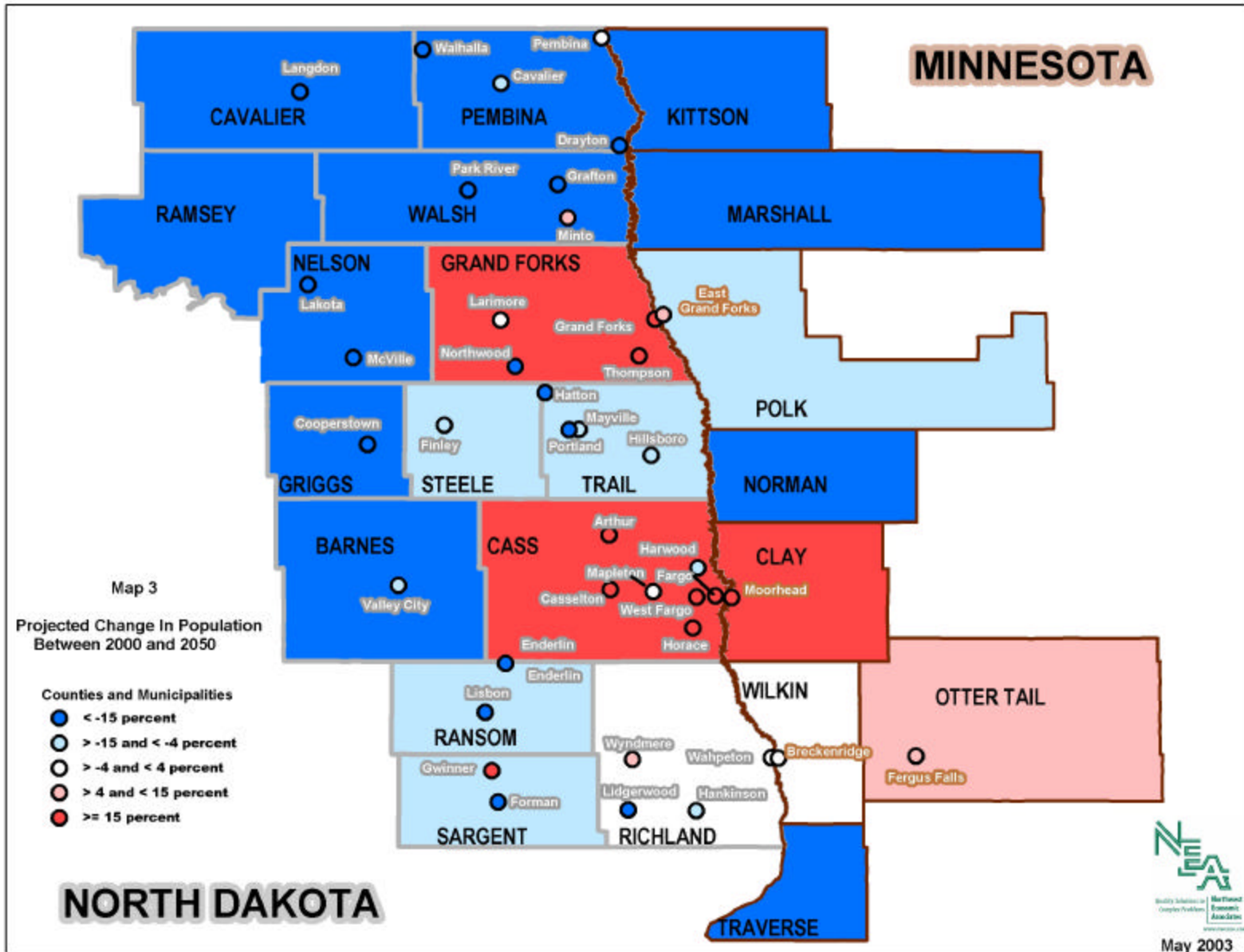
In the years between 2000 and 2020, an overall growth of 11.3 percent is expected, resulting in a population between 490,439 and 529,497 by 2020. This growth is followed by a smaller increase of 4.1 percent growth between 2020 and 2050. The rate of growth slows as a result of two demographic forces. First, the population overall is shifting toward a population comprised of relatively older people. When this happens, a relatively smaller portion of the population is having children, and natural growth (number of births minus number of deaths) slows down. The second factor accounting for the slowing growth is that the recent historical trend in migration suggests net increases in the population due to migration, but increases that occur at a decreasing rate.

Table 3
Population Projection Results
Red River Valley County and Municipality Totals, 2000 – 2050

	2000	2010	2020	2030	2040	2050
County Total						
Zero Migration	458,262	475,371	490,439	495,209	492,055	483,250
Trend Migration	458,262	492,693	529,497	557,152	573,079	578,731
Average	458,262	484,032	509,968	526,181	532,567	530,990
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Trend Migration	262,158	293,644	327,109	353,662	373,314	383,373
Average	262,158	287,213	310,330	327,113	337,804	341,173
Municipality Total as a Percent of County Total						
Zero Migration	57.2	59.0	59.9	60.6	61.5	61.7
Trend Migration	57.2	59.6	61.8	63.5	65.1	66.2
Average	57.2	59.3	60.9	62.2	63.4	64.3

Although the overall results suggest positive increases through time, the bulk of the increases are expected to occur in just Cass and Grand Forks counties, which contain urban centers to attract population (see Map 3). A majority of the counties and municipalities are expected to experience population declines, while Fargo, Moorhead, and the smaller cities within the vicinity of Fargo and Moorhead are expected to lead the overall population growth in the region. Over the past 25 years, a steady decline has occurred in rural area populations, and the results suggest this pattern will continue.

The total population within the municipalities is expected to increase from 262,158 people to between 298,267 and 383,373 by 2050. Because the municipality population is composed of more young people who will have children, it is expected to grow slightly faster than the region as a whole. This can be seen by the increasing share of the total county population that is expected to live within the municipalities (Table 3). Even in the zero migration projection, the percent is expected to increase from 57.2 percent in 2000 to 61.7 percent in 2050. This result is reinforced under the trend migration assumption, which includes immigration to the cities, and outmigration from the rural areas. In the trend migration projection the municipality share of the total county population increases from 57.2 percent in 2000 to 66.2 percent in 2050.

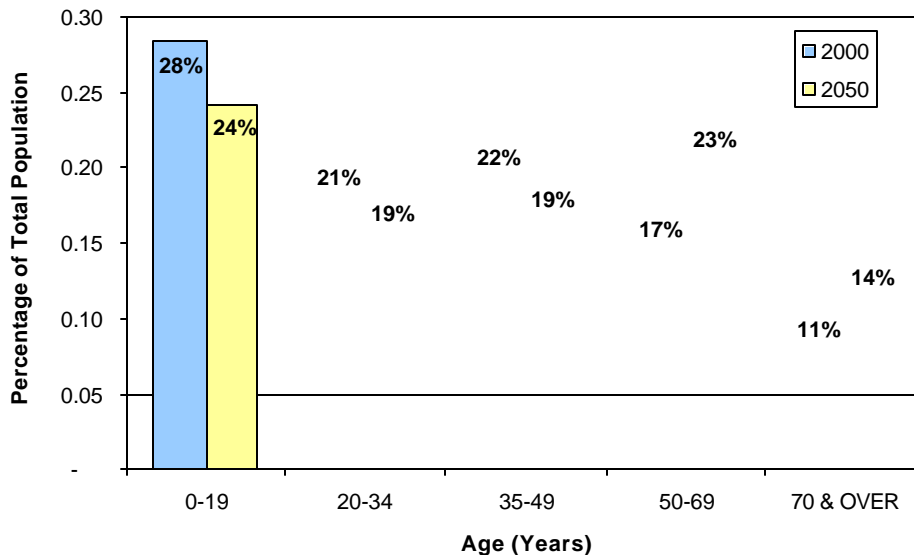


Age Group Composition

Another result from the cohort component projection method is that the composition of the population can be considered by age groups. This is often useful information for planning purposes because the needs of a community change depending upon the age group composition. For example, a population comprised of a relatively large senior portion may suggest a need for more group housing as compared to a similarly-sized population made up of young families. The population composition of the RRV is expected to change in the next 50 years, with a larger portion of the population showing up in the older age cohorts in 2050 than in 2000. The share of population in the 0 to 19 year age group is projected to decline from 28 percent in 2000 to 24 percent in 2050, while the share of population that is 50 or more years old is expected to increase from 28 percent 2000 to 37 percent in 2050 (see Figure 2).

The age composition of a population determines whether the natural growth rate will increase or decrease. There are many municipalities with declining population under the zero net migration scenario, and many others with increasing population. This depends on the relative proportion of the population that is young (and likely to have children) compared to the senior population that will be experiencing higher mortality as they age.

Figure 2
Population by Age Group
Red River Valley, 2000 and 2050



Summary

Individual projection summaries for each county and municipality in the Red River Valley are provided in Appendices B and C. Three highlights emerge from the collection of projections:

- The population of the area is shifting slightly away from the rural areas and toward the urban centers.
- The population is aging in almost all cases, with greater portions of the population being represented by older cohorts in 2050 than in 2000.
- The trend in the rate of migration has a significant influence on whether or not the population will grow or decline within a given area.

Population projections by nature are imperfect statements about what will occur in the future. Assuming that current trends in fertility, mortality, and migration continue, the trend migration projection may be the best estimate of future populations. However, because so many factors play a role in determining future populations, it is often helpful to review a collection of projections that use variations of the basic assumptions. For this reason, the zero migration projection, and the average of the zero and the trend migration projections are also presented for consideration.

**Appendix A:
Population Projection Results for All Counties and
Municipalities in the Red River Valley, 2000 - 2050**

**TABLE A-1 - COUNTY POPULATION PROJECTION WITH ZERO MIGRATION
2000 - 2050 RED RIVER VALLEY, NORTH DAKOTA**

	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Barnes	11,775	11,636	11,604	11,635	11,637	11,583	11,488	11,379	11,257	11,143	11,049
Cass	123,138	128,957	134,244	138,307	141,111	143,123	144,619	145,319	144,997	143,727	141,900
Cavalier	4,831	4,648	4,513	4,432	4,365	4,277	4,163	4,042	3,938	3,870	3,832
Grand Forks	66,109	69,346	72,577	75,221	77,044	78,323	79,368	80,127	80,432	80,147	79,407
Griggs	2,754	2,619	2,524	2,469	2,432	2,390	2,332	2,264	2,202	2,161	2,135
Nelson	3,715	3,517	3,361	3,255	3,178	3,092	3,001	2,908	2,832	2,778	2,744
Pembina	8,585	8,427	8,344	8,324	8,319	8,260	8,142	7,986	7,830	7,705	7,613
Ramsey	12,066	11,924	11,884	11,928	11,988	11,993	11,911	11,783	11,635	11,488	11,363
Ransom	5,890	5,746	5,645	5,593	5,576	5,558	5,506	5,427	5,332	5,249	5,179
Richland	17,998	18,101	18,343	18,646	18,900	19,035	19,050	18,990	18,843	18,646	18,439
Sargent	4,366	4,316	4,271	4,258	4,262	4,239	4,177	4,095	4,009	3,942	3,894
Steele	2,258	2,216	2,184	2,171	2,166	2,153	2,126	2,091	2,058	2,034	2,019
Traill	8,477	8,369	8,342	8,367	8,406	8,416	8,380	8,312	8,225	8,132	8,049
Walsh	12,389	12,172	12,037	11,982	11,952	11,880	11,736	11,534	11,315	11,126	10,974
TOTAL	284,351	291,993	299,873	306,587	311,335	314,321	315,997	316,258	314,905	312,150	308,597

**TABLE A-1 continued - COUNTY POPULATION PROJECTION WITH ZERO MIGRATION
2000 - 2050 RED RIVER VALLEY, MINNESOTA AND TWO STATE TOTAL**

	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Clay	51,229	53,004	55,144	57,072	58,445	59,343	60,056	60,672	61,080	61,179	61,053
Kittson	5,285	5,118	5,018	4,971	4,960	4,936	4,882	4,801	4,713	4,646	4,609
Marshall	10,155	10,017	9,930	9,907	9,902	9,841	9,716	9,557	9,386	9,249	9,135
Norman	7,442	7,280	7,170	7,130	7,119	7,097	7,033	6,944	6,852	6,773	6,713
Otter Tail	57,159	56,328	55,882	55,747	55,589	55,138	54,381	53,494	52,632	51,884	51,329
Polk	31,369	31,222	31,342	31,652	31,959	32,083	32,011	31,809	31,545	31,284	31,044
Traverse	4,134	3,959	3,841	3,781	3,747	3,722	3,684	3,643	3,603	3,573	3,553
Wilkin	7,138	7,122	7,170	7,273	7,383	7,448	7,449	7,401	7,339	7,267	7,216
TOTAL	173,911	174,050	175,497	177,534	179,104	179,609	179,212	178,323	177,150	175,855	174,653
TWO STATE GRAND TOTAL	458,262	466,043	475,371	484,121	490,439	493,930	495,209	494,580	492,055	488,005	483,250

**TABLE A-2 - MUNICIPALITY POPULATION PROJECTION WITH ZERO MIGRATION
2000 - 2050 RED RIVER VALLEY, NORTH DAKOTA, MINNESOTA, AND TOTAL**

	County	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arthur	Cass	402	372	355	351	358	367	372	375	376	378	380
Casselton	Cass	1,855	1,891	1,921	1,960	2,002	2,035	2,046	2,040	2,022	2,002	1,979
Cavalier	Pembina	1,537	1,475	1,439	1,427	1,427	1,419	1,406	1,387	1,369	1,352	1,335
Cooperstown	Griggs	1,053	975	923	891	873	858	839	818	798	785	778
Drayton	Pembina	913	898	894	894	896	894	886	874	859	845	833
Enderlin	Cass	947	902	873	856	846	836	821	805	787	773	761
Fargo	Cass	90,599	95,432	99,784	102,883	104,797	106,236	107,583	108,498	108,613	107,805	106,386
Finley	Steele	515	501	490	483	481	479	476	473	471	470	470
Forman	Sargent	506	481	461	450	443	435	423	410	398	390	386
Grafton	Walsh	4,516	4,456	4,434	4,433	4,439	4,433	4,404	4,352	4,286	4,224	4,169
Grand Forks	Grand Forks	49,321	52,014	54,705	56,771	58,037	58,867	59,652	60,330	60,689	60,548	59,999
Gwinner	Sargent	717	728	739	749	758	763	760	752	742	730	721
Hankinson	Richland	1,058	988	946	922	904	892	879	869	856	844	835
Harwood	Cass	607	632	658	686	712	728	731	724	712	702	697
Hatton	Traill	707	673	650	640	634	631	626	621	613	606	598
Hillsboro	Traill	1,563	1,520	1,499	1,493	1,495	1,495	1,487	1,472	1,449	1,429	1,413
Horace	Cass	915	968	1,020	1,080	1,141	1,191	1,224	1,242	1,251	1,254	1,255
Lakota	Nelson	781	723	682	655	636	616	592	569	549	535	525
Langdon	Cavalier	2,101	1,989	1,909	1,863	1,831	1,797	1,756	1,715	1,681	1,657	1,642
Larimore	Grand Forks	1,433	1,410	1,404	1,418	1,437	1,449	1,447	1,438	1,430	1,420	1,408
Lidgerwood	Richland	738	698	662	637	620	608	594	581	569	557	547
Lisbon	Ransom	2,292	2,184	2,102	2,049	2,018	1,993	1,962	1,923	1,879	1,839	1,804
Mapleton	Cass	606	642	676	713	749	779	799	807	806	803	801
Mayville	Traill	1,953	1,935	1,960	1,986	1,998	2,003	2,019	2,042	2,064	2,072	2,066
McVille	Nelson	470	419	382	363	354	345	337	328	320	317	316
Minto	Walsh	657	652	648	648	651	651	643	629	616	605	595
Northwood	Grand Forks	959	903	859	826	802	779	758	735	717	700	686
Park River	Walsh	1,535	1,452	1,394	1,361	1,337	1,316	1,292	1,268	1,245	1,226	1,210
Pembina	Pembina	642	652	666	681	695	701	696	688	681	676	671
Portland	Traill	604	584	561	548	541	534	526	514	503	490	479
Thompson	Grand Forks	1,006	1,048	1,091	1,136	1,177	1,203	1,212	1,209	1,198	1,185	1,169
Valley City	Barnes	6,826	6,704	6,685	6,694	6,678	6,642	6,619	6,610	6,587	6,553	6,503
Wahpeton	Richland	8,586	8,794	9,076	9,336	9,528	9,655	9,744	9,810	9,826	9,780	9,685
Walhalla	Pembina	1,057	1,015	989	976	967	954	938	918	900	885	876
West Fargo	Cass	14,940	15,646	16,280	16,849	17,332	17,673	17,847	17,856	17,730	17,545	17,343
Wyndmere	Richland	533	529	525	526	533	538	538	535	529	521	516
TOTAL NORTH DAKOTA		205,450	212,882	220,343	226,237	230,126	232,795	234,933	236,217	236,120	234,507	231,838
Breckenridge	Wilkin	3,559	3,520	3,526	3,569	3,621	3,660	3,674	3,667	3,649	3,624	3,601
East Grand Forks	Polk	7,501	7,680	7,883	8,091	8,280	8,406	8,464	8,471	8,439	8,388	8,338
Fergus Falls	Otter Tail	13,471	13,164	13,046	13,057	13,114	13,148	13,136	13,069	12,962	12,842	12,732
Moorhead	Clay	32,177	33,783	35,697	37,331	38,410	39,149	39,885	40,675	41,336	41,685	41,758
TOTAL MINNESOTA		56,708	58,147	60,153	62,048	63,426	64,364	65,160	65,882	66,386	66,540	66,429
GRAND TOTAL		262,158	271,030	280,495	288,285	293,551	297,159	300,093	302,099	302,506	301,046	298,267

**TABLE A-3 - COUNTY POPULATION PROJECTION WITH TREND MIGRATION
2000 - 2050 RED RIVER VALLEY, NORTH DAKOTA**

	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Barnes	11,775	11,394	11,061	10,799	10,512	10,222	9,883	9,571	9,249	8,975	8,750
Cass	123,138	135,791	149,961	164,168	178,881	192,233	205,840	217,298	228,555	236,820	244,545
Cavalier	4,831	4,303	3,809	3,401	3,020	2,706	2,392	2,133	1,893	1,713	1,577
Grand Forks	66,109	70,351	74,652	78,220	80,983	82,930	84,700	85,835	86,470	86,240	85,459
Griggs	2,754	2,495	2,256	2,056	1,876	1,723	1,565	1,423	1,288	1,182	1,095
Nelson	3,715	3,403	3,110	2,862	2,644	2,448	2,256	2,082	1,924	1,796	1,695
Pembina	8,585	8,272	7,983	7,766	7,565	7,358	7,105	6,826	6,538	6,288	6,082
Ramsey	12,066	11,677	11,304	10,992	10,692	10,412	10,072	9,745	9,408	9,111	8,863
Ransom	5,890	5,866	5,842	5,809	5,797	5,763	5,720	5,625	5,518	5,403	5,302
Richland	17,998	17,943	17,948	18,000	18,016	17,983	17,856	17,698	17,464	17,212	16,978
Sargent	4,366	4,298	4,228	4,191	4,175	4,147	4,087	4,006	3,916	3,840	3,782
Steele	2,258	2,196	2,138	2,104	2,078	2,057	2,025	1,987	1,943	1,907	1,878
Traill	8,477	8,289	8,113	7,956	7,806	7,652	7,462	7,256	7,030	6,809	6,612
Walsh	12,389	11,675	10,972	10,348	9,732	9,198	8,628	8,115	7,592	7,149	6,766
TOTAL	284,351	297,953	313,378	328,672	343,778	356,831	369,591	379,601	388,788	394,447	399,384

**TABLE A-3 continued - COUNTY POPULATION PROJECTION WITH TREND MIGRATION
2000 - 2050 RED RIVER VALLEY, MINNESOTA AND TWO STATE TOTAL**

	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Clay	51,229	52,067	53,136	54,607	55,744	56,631	57,208	57,697	58,018	58,207	58,286
Kittson	5,285	5,020	4,779	4,570	4,385	4,218	4,042	3,869	3,692	3,544	3,431
Marshall	10,155	9,751	9,336	8,974	8,622	8,266	7,863	7,443	6,995	6,583	6,204
Norman	7,442	7,213	6,992	6,812	6,655	6,514	6,350	6,166	5,966	5,773	5,602
Otter Tail	57,159	60,571	64,170	67,299	70,469	72,062	73,420	72,948	72,380	71,012	69,845
Polk	31,369	30,742	30,192	29,776	29,351	28,913	28,351	27,800	27,203	26,677	26,211
Traverse	4,134	3,948	3,790	3,669	3,575	3,503	3,432	3,362	3,291	3,229	3,180
Wilkin	7,138	7,006	6,918	6,908	6,918	6,930	6,896	6,832	6,746	6,655	6,587
TOTAL	173,911	176,319	179,315	182,615	185,719	187,036	187,561	186,117	184,291	181,680	179,346
 TWO STATE GRAND TOTAL	 458,262	 474,271	 492,693	 511,286	 529,497	 543,867	 557,152	 565,718	 573,079	 576,128	 578,731

**TABLE A-4 - MUNICIPALITY POPULATION PROJECTION WITH TREND MIGRATION
2000 - 2050 RED RIVER VALLEY, NORTH DAKOTA, MINNESOTA, AND TOTAL**

	County	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arthur	Cass	402	401	407	420	447	475	507	531	557	580	603
Casselton	Cass	1,855	2,011	2,179	2,351	2,542	2,705	2,865	2,969	3,060	3,117	3,160
Cavalier	Pembina	1,537	1,525	1,517	1,513	1,518	1,505	1,491	1,461	1,436	1,409	1,389
Cooperstown	Griggs	1,053	947	850	769	700	643	589	541	497	463	437
Drayton	Pembina	913	886	862	838	814	791	764	734	702	671	642
Enderlin	Cass	947	923	908	895	888	877	864	843	820	796	776
Fargo	Cass	90,599	101,179	113,336	125,755	138,755	150,023	161,526	170,315	178,676	184,972	190,743
Finley	Steele	515	499	483	468	457	448	441	434	427	422	418
Forman	Sargent	506	466	426	388	352	318	281	248	215	190	169
Grafton	Walsh	4,516	4,314	4,112	3,922	3,725	3,547	3,357	3,181	3,004	2,852	2,722
Grand Forks	Grand Forks	49,321	52,764	56,207	58,820	60,572	61,754	62,964	63,897	64,465	64,218	63,471
Gwinner	Sargent	717	789	867	940	1,020	1,083	1,148	1,184	1,219	1,237	1,254
Hankinson	Richland	1,058	1,053	1,060	1,069	1,082	1,081	1,083	1,069	1,055	1,037	1,023
Harwood	Cass	607	610	606	598	585	570	546	517	486	458	433
Hatton	Traill	707	662	619	580	540	505	470	438	406	376	348
Hillsboro	Traill	1,563	1,413	1,323	1,496	1,650	1,363	1,174	1,487	1,796	1,124	809
Horace	Cass	915	1,093	1,304	1,534	1,806	2,056	2,333	2,549	2,776	2,956	3,132
Lakota	Nelson	781	706	631	563	499	438	378	321	267	222	185
Langdon	Cavalier	2,101	1,990	1,883	1,786	1,692	1,591	1,486	1,380	1,284	1,202	1,137
Larimore	Grand Forks	1,433	1,417	1,408	1,411	1,422	1,429	1,427	1,418	1,412	1,405	1,398
Lidgerwood	Richland	738	717	700	690	686	682	677	666	653	637	619
Lisbon	Ransom	2,292	2,314	2,335	2,342	2,357	2,335	2,310	2,239	2,169	2,087	2,013
Mapleton	Cass	606	578	547	521	492	474	451	434	411	394	381
Mayville	Traill	1,953	1,845	1,755	1,681	1,605	1,535	1,465	1,413	1,372	1,342	1,319
McVille	Nelson	470	418	372	337	313	292	274	257	244	236	234
Minto	Walsh	657	704	751	796	846	881	910	913	916	906	896
Northwood	Grand Forks	959	873	788	708	631	561	495	433	377	326	280
Park River	Walsh	1,535	1,425	1,321	1,232	1,147	1,070	994	923	859	807	763
Pembina	Pembina	642	642	643	646	648	648	637	623	607	591	574
Portland	Traill	604	593	574	552	531	505	476	442	408	372	339
Thompson	Grand Forks	1,006	1,047	1,087	1,124	1,154	1,174	1,183	1,185	1,178	1,167	1,150
Valley City	Barnes	6,826	6,603	6,433	6,294	6,131	5,952	5,766	5,606	5,454	5,329	5,225
Wahpeton	Richland	8,586	8,484	8,417	8,378	8,290	8,217	8,102	8,047	7,975	7,929	7,892
Walhalla	Pembina	1,057	1,010	968	932	899	864	829	790	755	726	706
West Fargo	Cass	14,940	16,509	18,162	19,746	21,382	22,724	24,036	24,908	25,680	26,187	26,632
Wyndmere	Richland	533	557	582	607	637	661	683	692	699	698	697
TOTAL NORTH DAKOTA		205,450	219,967	236,424	252,704	268,820	281,776	294,981	305,092	314,316	319,440	323,968
Breckenridge	Wilkin	3,559	3,472	3,408	3,374	3,354	3,346	3,328	3,309	3,286	3,268	3,258
East Grand Forks	Polk	7,501	7,533	7,584	7,655	7,707	7,739	7,706	7,670	7,597	7,530	7,466
Fergus Falls	Otter Tail	13,471	13,928	14,428	14,865	15,347	15,595	15,859	15,846	15,868	15,791	15,785
Moorhead	Clay	32,177	31,895	31,801	31,971	31,881	31,932	31,787	32,045	32,247	32,591	32,895
TOTAL MINNESOTA		56,708	56,829	57,220	57,865	58,290	58,611	58,681	58,869	58,998	59,179	59,405
GRAND TOTAL		262,158	276,797	293,644	310,569	327,109	340,387	353,662	363,961	373,314	378,619	383,373

**TABLE A-5 - COUNTY POPULATION PROJECTION AVERAGE
2000 - 2050 RED RIVER VALLEY, NORTH DAKOTA**

	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Barnes	11,775	11,515	11,333	11,217	11,075	10,902	10,686	10,475	10,253	10,059	9,899
Cass	123,138	132,374	142,103	151,238	159,996	167,678	175,230	181,308	186,776	190,274	193,223
Cavalier	4,831	4,475	4,161	3,916	3,693	3,491	3,278	3,088	2,915	2,792	2,705
Grand Forks	66,109	69,848	73,615	76,720	79,013	80,626	82,034	82,981	83,451	83,194	82,433
Griggs	2,754	2,557	2,390	2,263	2,154	2,057	1,948	1,844	1,745	1,671	1,615
Nelson	3,715	3,460	3,235	3,058	2,911	2,770	2,628	2,495	2,378	2,287	2,220
Pembina	8,585	8,349	8,163	8,045	7,942	7,809	7,624	7,406	7,184	6,997	6,848
Ramsey	12,066	11,801	11,594	11,460	11,340	11,202	10,992	10,764	10,521	10,300	10,113
Ransom	5,890	5,806	5,744	5,701	5,687	5,661	5,613	5,526	5,425	5,326	5,241
Richland	17,998	18,022	18,145	18,323	18,458	18,509	18,453	18,344	18,154	17,929	17,708
Sargent	4,366	4,307	4,249	4,224	4,218	4,193	4,132	4,051	3,963	3,891	3,838
Steele	2,258	2,206	2,161	2,137	2,122	2,105	2,075	2,039	2,000	1,971	1,949
Traill	8,477	8,329	8,228	8,161	8,106	8,034	7,921	7,784	7,628	7,471	7,330
Walsh	12,389	11,924	11,505	11,165	10,842	10,539	10,182	9,825	9,454	9,138	8,870
TOTAL	284,351	294,973	306,626	317,629	327,557	335,576	342,794	347,929	351,847	353,299	353,991

**TABLE A-5 continued COUNTY POPULATION PROJECTION AVERAGE
2000 - 2050 RED RIVER VALLEY, MINNESOTA AND TWO STATE TOTAL**

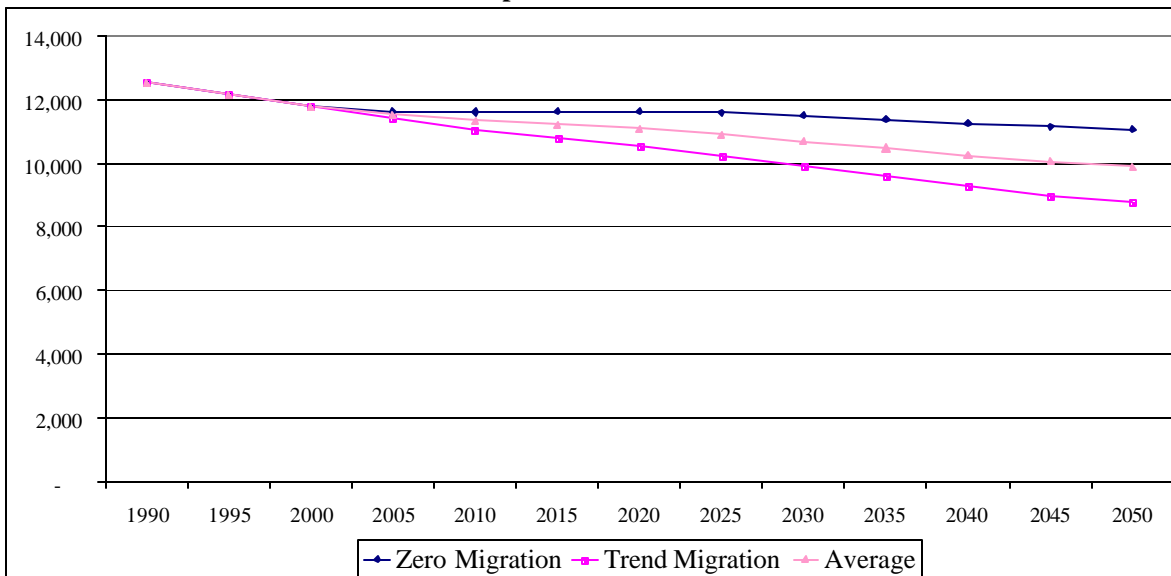
	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Clay	51,229	52,535	54,140	55,840	57,095	57,987	58,632	59,185	59,549	59,693	59,669
Kittson	5,285	5,069	4,898	4,771	4,672	4,577	4,462	4,335	4,203	4,095	4,020
Marshall	10,155	9,884	9,633	9,440	9,262	9,054	8,789	8,500	8,190	7,916	7,670
Norman	7,442	7,246	7,081	6,971	6,887	6,806	6,691	6,555	6,409	6,273	6,157
Otter Tail	57,159	58,450	60,026	61,523	63,029	63,600	63,901	63,221	62,506	61,448	60,587
Polk	31,369	30,982	30,767	30,714	30,655	30,498	30,181	29,805	29,374	28,981	28,628
Traverse	4,134	3,953	3,816	3,725	3,661	3,612	3,558	3,502	3,447	3,401	3,367
Wilkin	7,138	7,064	7,044	7,091	7,151	7,189	7,173	7,117	7,042	6,961	6,901
TOTAL	173,911	175,184	177,406	180,074	182,411	183,322	183,386	182,220	180,720	178,768	176,999
TWO STATE GRAND TOTAL	458,262	470,157	484,032	497,704	509,968	518,898	526,181	530,149	532,567	532,066	530,990

**TABLE A-6 - MUNICIPALITY POPULATION PROJECTION AVERAGE
2000 - 2050 RED RIVER VALLEY, NORTH DAKOTA, MINNESOTA, AND TOTAL**

	County	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arthur	Cass	402	386	381	386	402	421	439	453	467	479	492
Casselton	Cass	1,855	1,951	2,050	2,155	2,272	2,370	2,456	2,504	2,541	2,560	2,570
Cavalier	Pembina	1,537	1,500	1,478	1,470	1,472	1,462	1,448	1,424	1,402	1,380	1,362
Cooperstown	Griggs	1,053	961	886	830	786	751	714	680	648	624	607
Drayton	Pembina	913	892	878	866	855	843	825	804	781	758	738
Enderlin	Cass	947	912	890	876	867	857	843	824	804	785	768
Fargo	Cass	90,599	98,306	106,560	114,319	121,776	128,130	134,555	139,406	143,644	146,388	148,564
Finley	Steele	515	500	487	476	469	464	459	454	449	446	444
Forman	Sargent	506	473	444	419	398	376	352	329	307	290	277
Grafton	Walsh	4,516	4,385	4,273	4,177	4,082	3,990	3,880	3,766	3,645	3,538	3,446
Grand Forks	Grand Forks	49,321	52,389	55,456	57,795	59,304	60,310	61,308	62,114	62,577	62,383	61,735
Gwinner	Sargent	717	759	803	845	889	923	954	968	981	983	988
Hankinson	Richland	1,058	1,020	1,003	996	993	986	981	969	955	941	929
Harwood	Cass	607	621	632	642	649	649	638	620	599	580	565
Hatton	Traill	707	667	635	610	587	568	548	530	509	491	473
Hillsboro	Traill	1,563	1,551	1,554	1,561	1,573	1,572	1,566	1,544	1,517	1,487	1,464
Horace	Cass	915	1,030	1,162	1,307	1,474	1,624	1,779	1,896	2,013	2,105	2,193
Lakota	Nelson	781	715	657	609	567	527	485	445	408	379	355
Langdon	Cavalier	2,101	1,989	1,896	1,825	1,761	1,694	1,621	1,548	1,482	1,429	1,390
Larimore	Grand Forks	1,433	1,413	1,406	1,415	1,429	1,439	1,437	1,428	1,421	1,413	1,403
Lidgerwood	Richland	738	708	681	664	653	645	635	624	611	597	583
Lisbon	Ransom	2,292	2,249	2,219	2,196	2,187	2,164	2,136	2,081	2,024	1,963	1,909
Mapleton	Cass	606	610	612	617	621	627	625	621	608	599	591
Mayville	Traill	1,953	1,890	1,857	1,833	1,802	1,769	1,742	1,728	1,718	1,707	1,692
McVille	Nelson	470	419	377	350	334	318	306	292	282	276	275
Minto	Walsh	657	678	700	722	749	766	776	771	766	755	746
Northwood	Grand Forks	959	888	823	767	717	670	626	584	547	513	483
Park River	Walsh	1,535	1,438	1,357	1,296	1,242	1,193	1,143	1,095	1,052	1,016	987
Pembina	Pembina	642	647	654	664	672	675	667	655	644	634	622
Portland	Traill	604	589	568	550	536	519	501	478	456	431	409
Thompson	Grand Forks	1,006	1,047	1,089	1,130	1,165	1,189	1,197	1,197	1,188	1,176	1,160
Valley City	Barnes	6,826	6,654	6,559	6,494	6,405	6,297	6,192	6,108	6,021	5,941	5,864
Wahpeton	Richland	8,586	8,639	8,746	8,857	8,909	8,936	8,923	8,929	8,900	8,855	8,788
Walhalla	Pembina	1,057	1,012	979	954	933	909	883	854	828	805	791
West Fargo	Cass	14,940	16,077	17,221	18,298	19,357	20,199	20,942	21,382	21,705	21,866	21,987
Wyndmere	Richland	533	543	554	566	585	600	611	614	614	610	607
TOTAL NORTH DAKOTA		205,450	216,510	228,527	239,537	249,473	257,428	265,193	270,719	275,112	277,184	278,256
Breckenridge	Wilkin	3,559	3,496	3,467	3,472	3,488	3,503	3,501	3,488	3,468	3,446	3,430
East Grand Forks	Polk	7,501	7,607	7,733	7,873	7,994	8,073	8,085	8,070	8,018	7,959	7,902
Fergus Falls	Otter Tail	13,471	13,546	13,737	13,961	14,231	14,372	14,498	14,458	14,415	14,316	14,259
Moorhead	Clay	32,177	32,839	33,749	34,651	35,145	35,541	35,836	36,360	36,792	37,138	37,327
TOTAL MINNESOTA		56,708	57,488	58,686	59,957	60,858	61,488	61,920	62,376	62,692	62,859	62,917
GRAND TOTAL		262,158	273,998	287,213	299,494	310,330	318,916	327,113	333,095	337,804	340,044	341,173

Appendix B: County Population Forecast Summaries

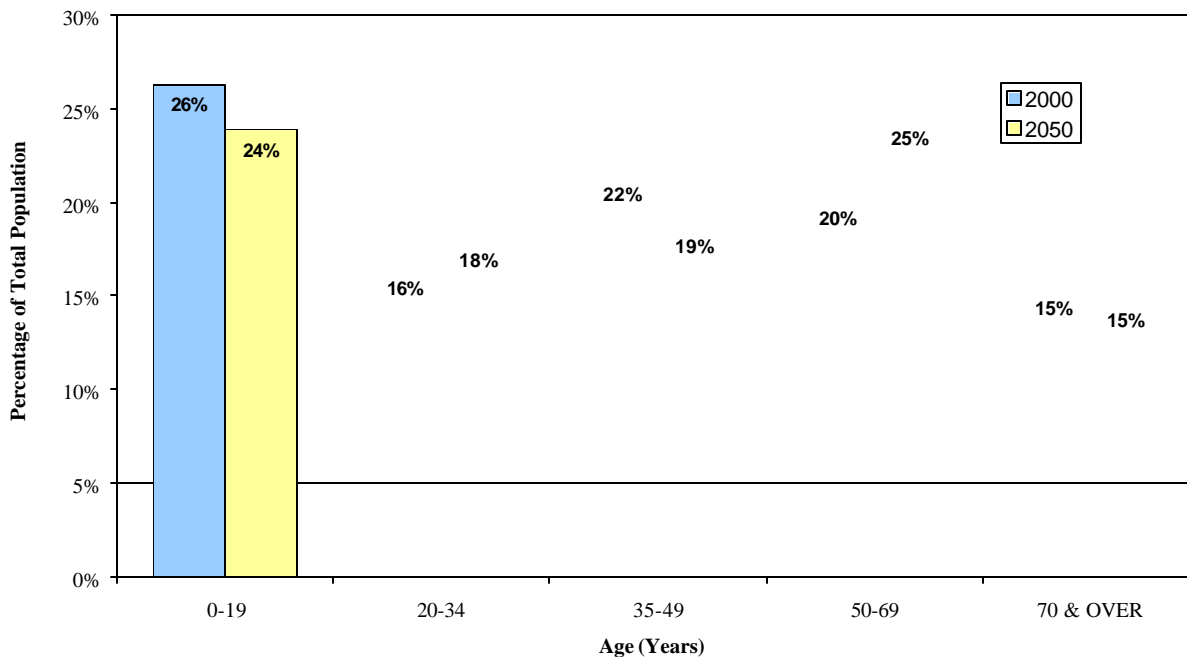
Barnes County Population Forecast



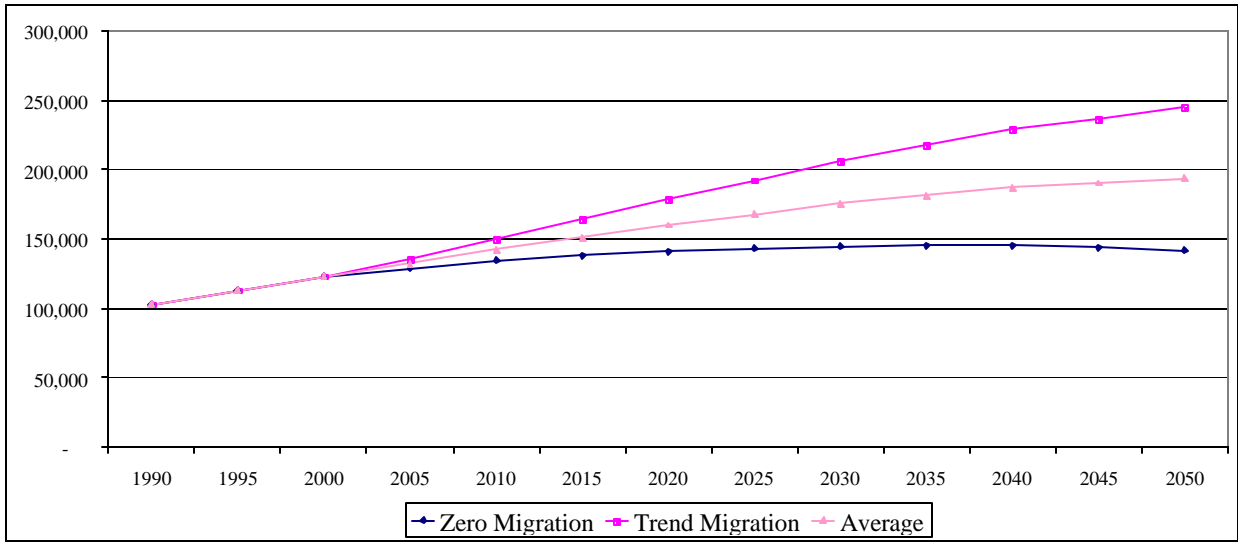
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	12,545	12,160	11,775	11,636	11,604	11,635	11,637	11,583	11,488	11,379	11,257	11,143	11,049
Trend Migration	12,545	12,160	11,775	11,394	11,061	10,799	10,512	10,222	9,883	9,571	9,249	8,975	8,750
Average	12,545	12,160	11,775	11,515	11,333	11,217	11,075	10,902	10,686	10,475	10,253	10,059	9,899

Population by Age Group, 2000 and 2050



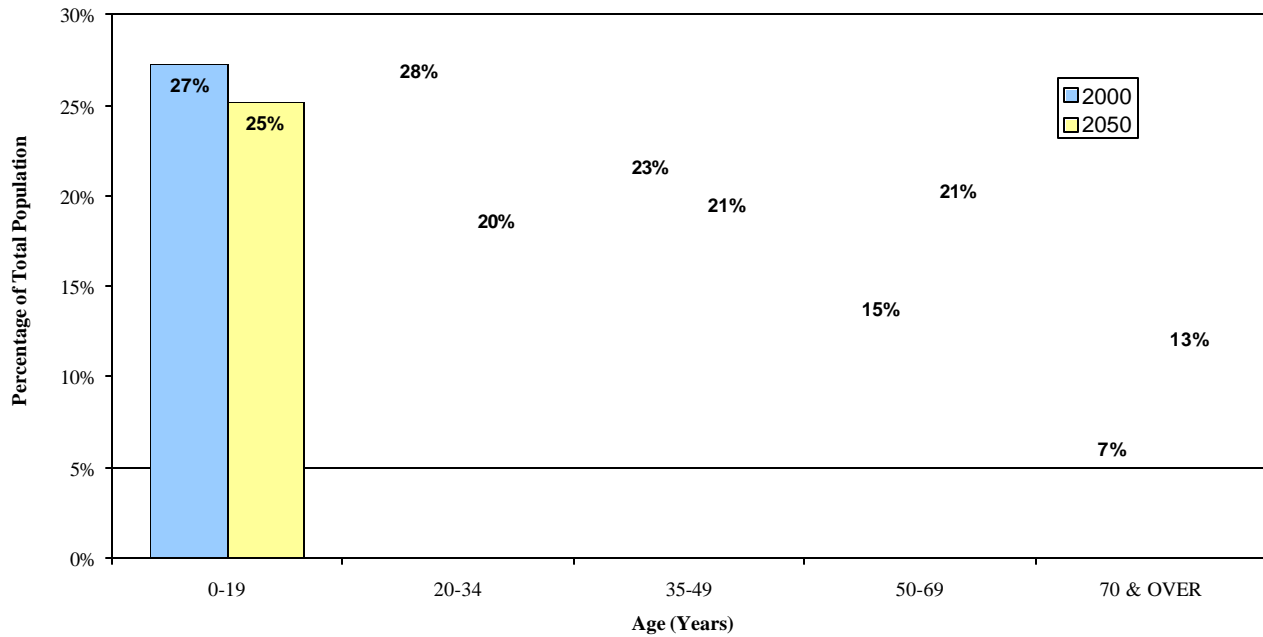
Cass County Population Forecast



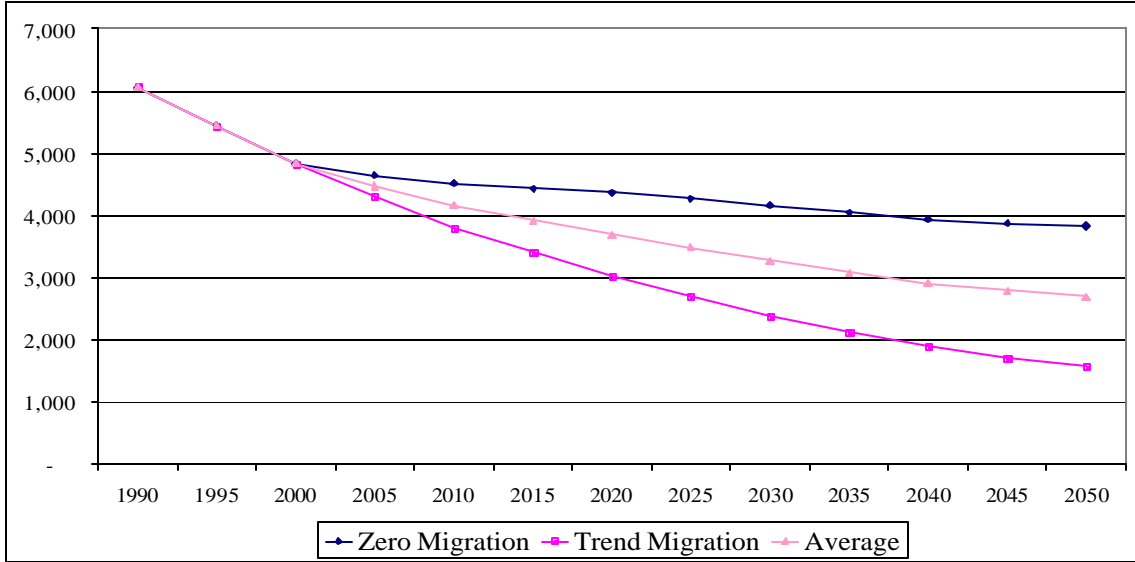
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	102,874	113,006	123,138	128,957	134,244	138,307	141,111	143,123	144,619	145,319	144,997	143,727	141,900
Trend Migration	102,874	113,006	123,138	135,791	149,961	164,168	178,881	192,233	205,840	217,298	228,555	236,820	244,545
Average	102,874	113,006	123,138	132,374	142,103	151,238	159,996	167,678	175,230	181,308	186,776	190,274	193,223

Population by Age Group, 2000 and 2050

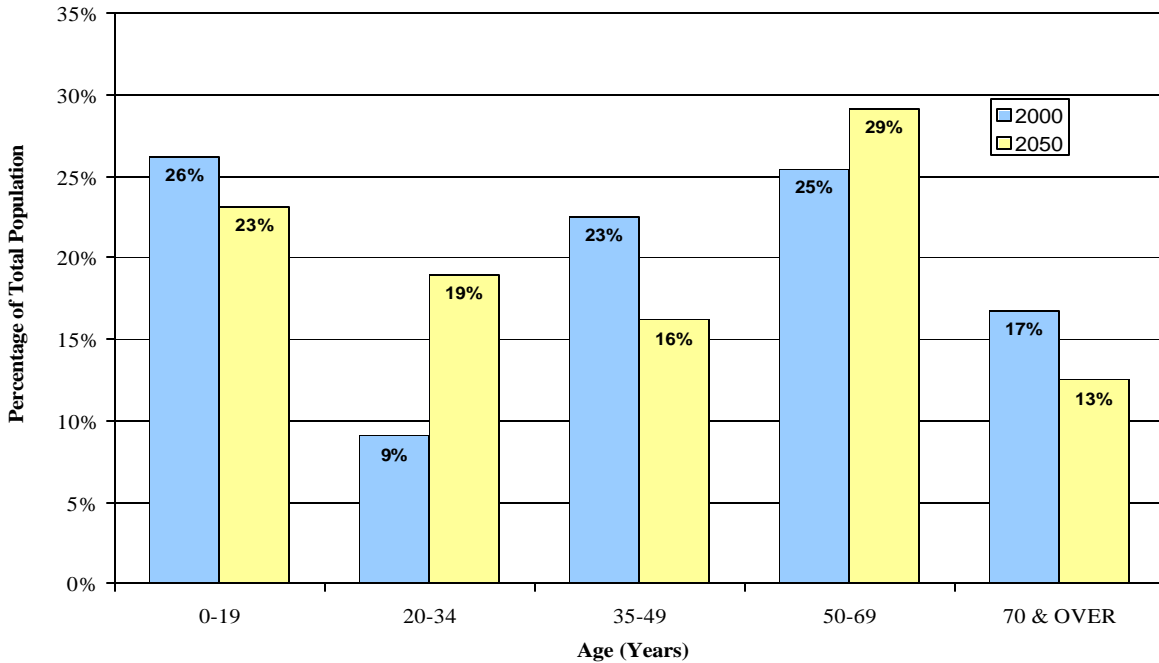


Cavalier County Population Forecast

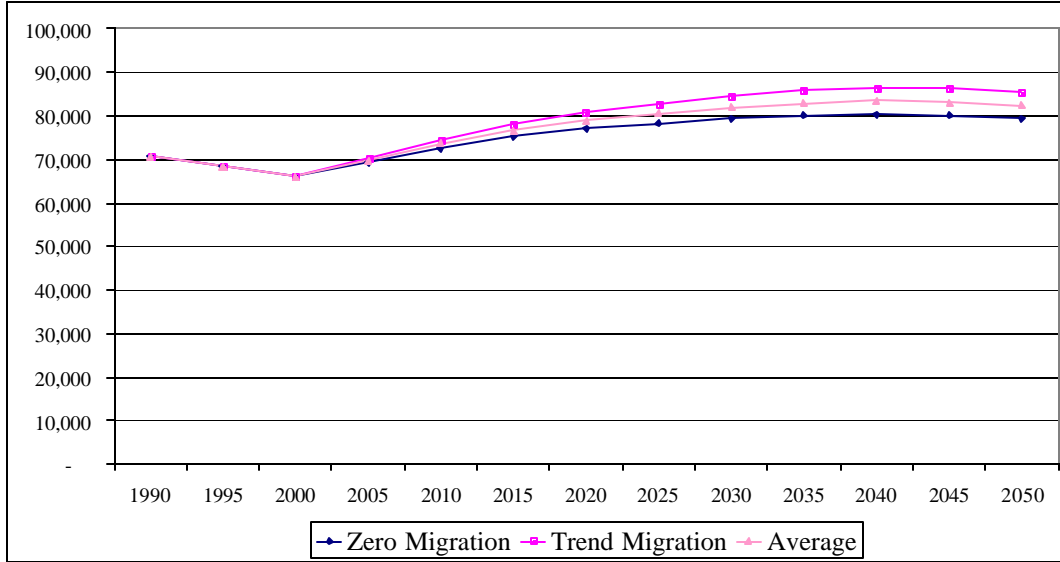


Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	6,064	5,448	4,831	4,648	4,513	4,432	4,365	4,277	4,163	4,042	3,938	3,870	3,832
Trend Migration	6,064	5,448	4,831	4,303	3,809	3,401	3,020	2,706	2,392	2,133	1,893	1,713	1,577
Average	6,064	5,448	4,831	4,475	4,161	3,916	3,693	3,491	3,278	3,088	2,915	2,792	2,705



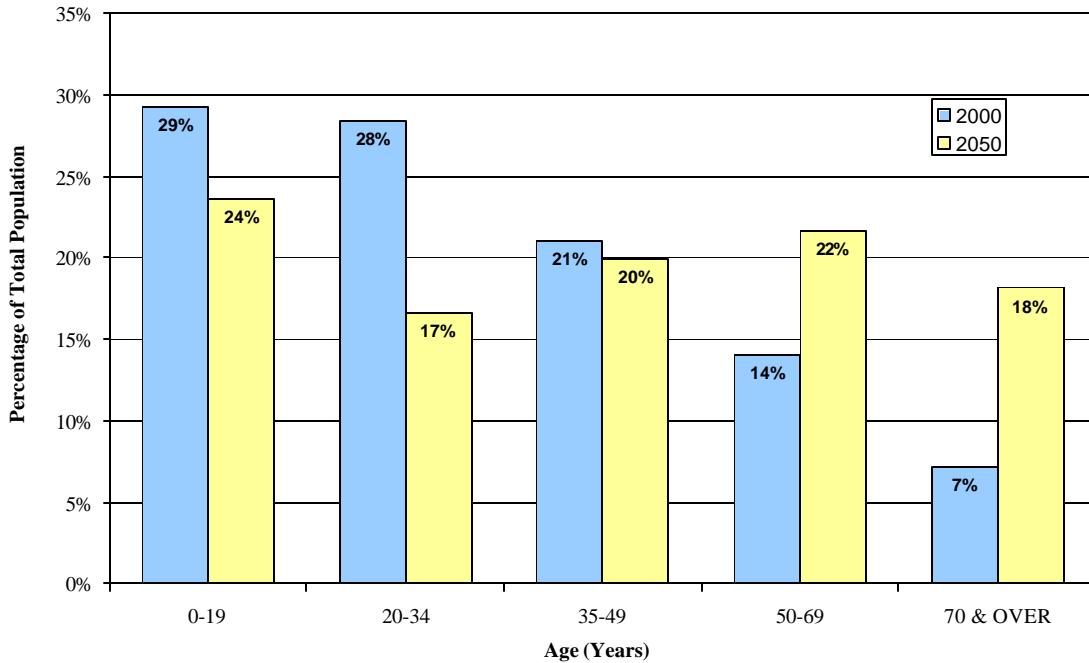
Grand Forks County Population Forecast



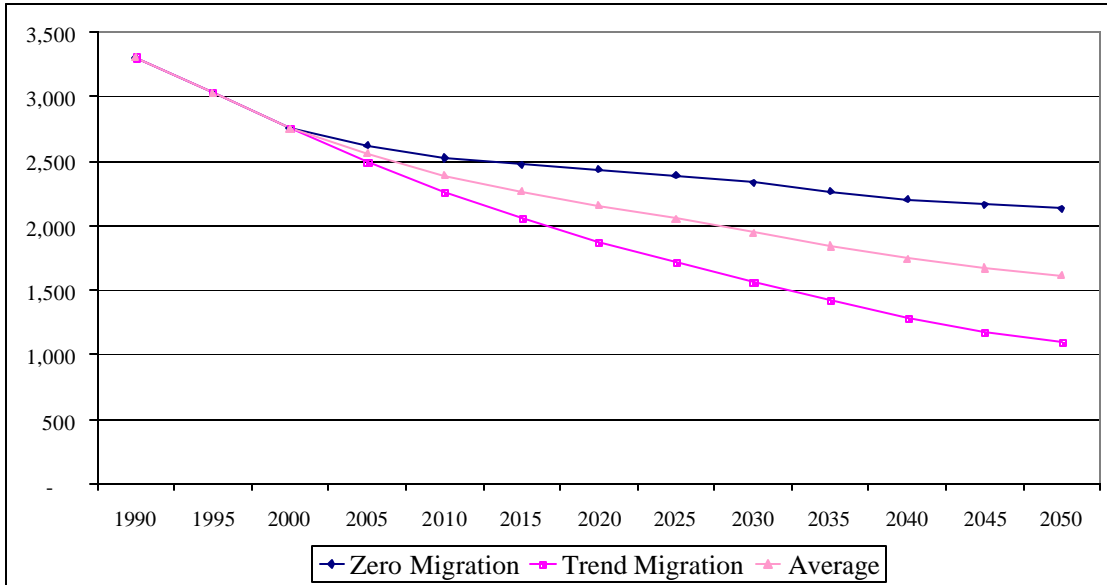
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	70,683	68,396	66,109	69,346	72,577	75,221	77,044	78,323	79,368	80,127	80,432	80,147	79,407
Trend Migration	70,683	68,396	66,109	70,351	74,652	78,220	80,983	82,930	84,700	85,835	86,470	86,240	85,459
Average	70,683	68,396	66,109	69,848	73,615	76,720	79,013	80,626	82,034	82,981	83,451	83,194	82,433

Population by Age Group, 2000 and 2050



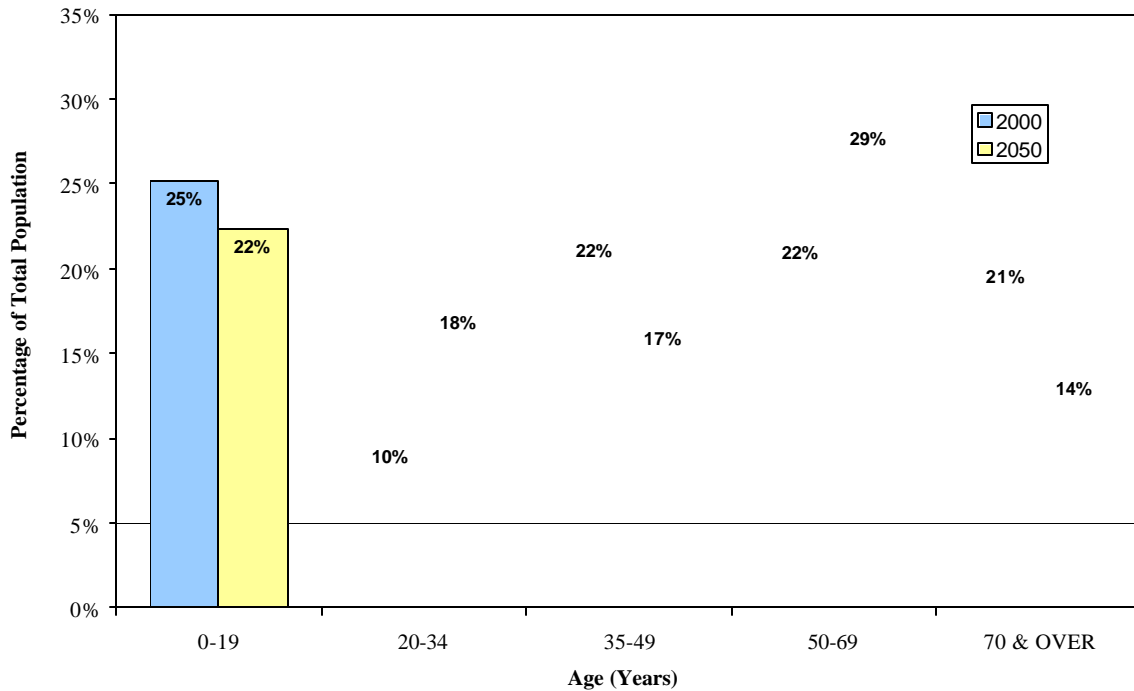
Griggs County Population Forecast



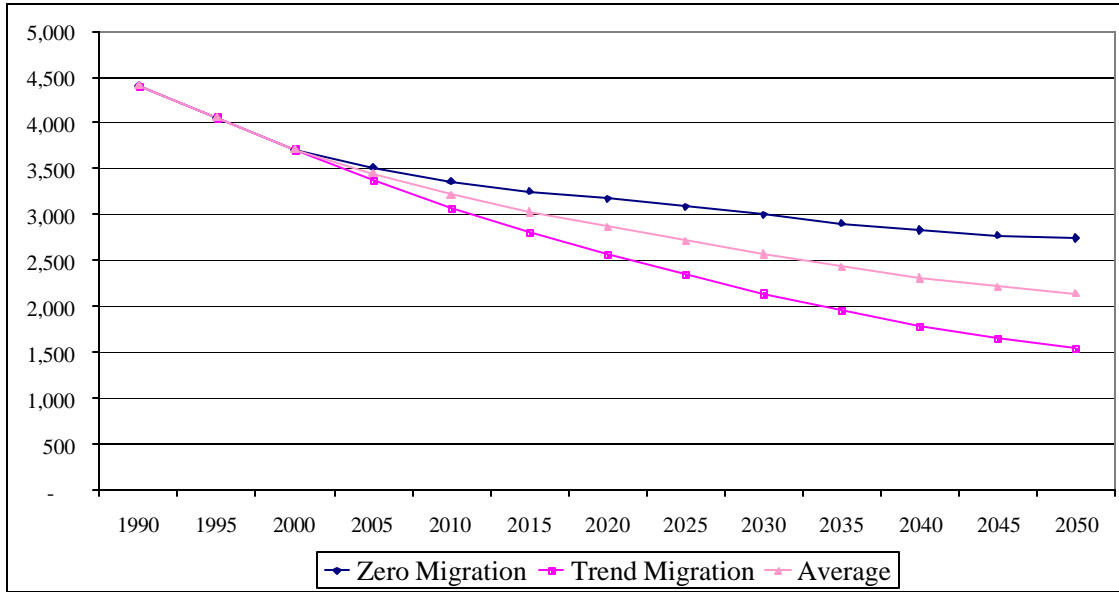
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	3,303	3,029	2,754	2,619	2,524	2,469	2,432	2,390	2,332	2,264	2,202	2,161	2,135
Trend Migration	3,303	3,029	2,754	2,495	2,256	2,056	1,876	1,723	1,565	1,423	1,288	1,182	1,095
Average	3,303	3,029	2,754	2,557	2,390	2,263	2,154	2,057	1,948	1,844	1,745	1,671	1,615

Population by Age Group, 2000 and 2050



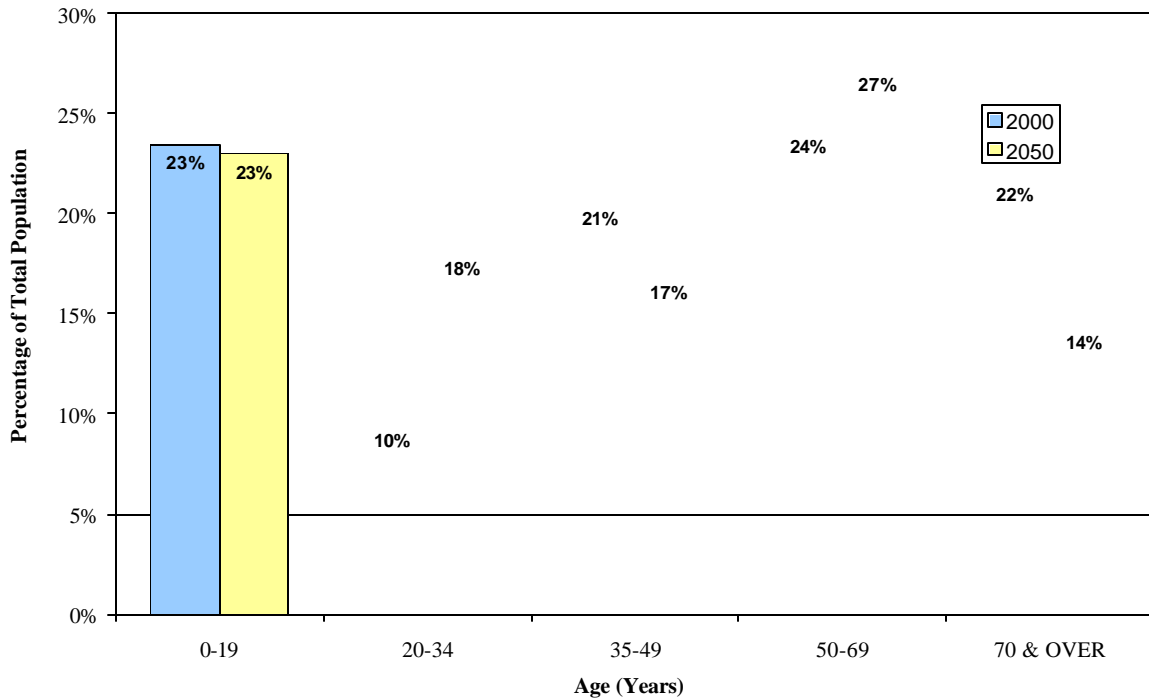
Nelson County Population Forecast



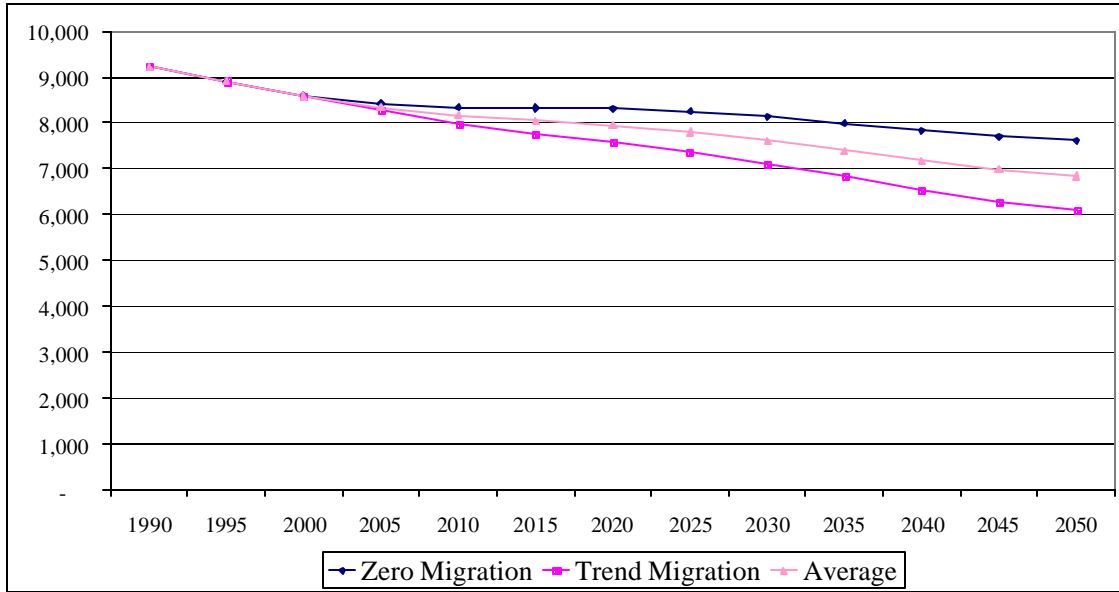
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	4,410	4,063	3,715	3,517	3,361	3,255	3,178	3,092	3,001	2,908	2,832	2,778	2,744
Trend Migration	4,410	4,063	3,715	3,384	3,069	2,800	2,562	2,350	2,145	1,961	1,791	1,653	1,544
Average	4,410	4,063	3,715	3,451	3,215	3,028	2,870	2,721	2,573	2,434	2,312	2,216	2,144

Population by Age Group, 2000 and 2050



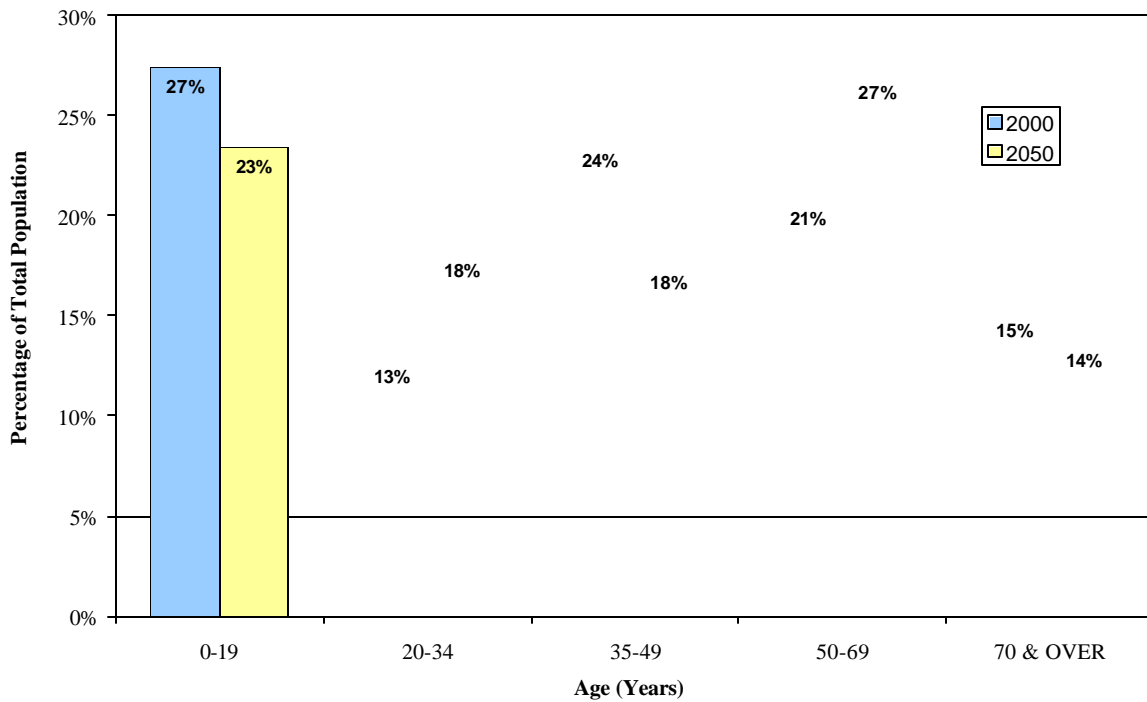
Pembina County Population Forecast



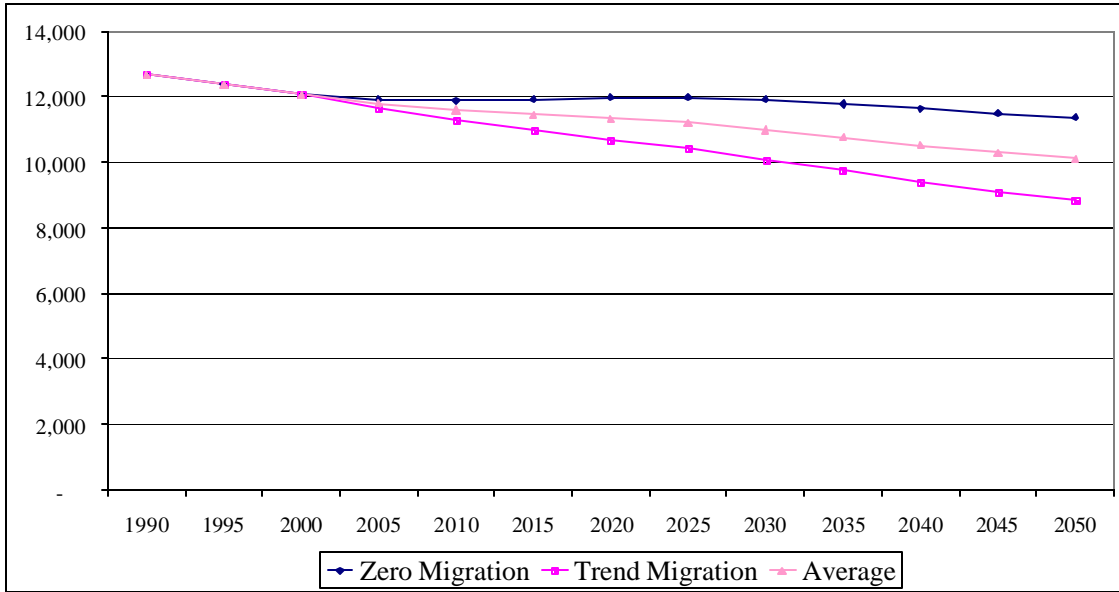
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	9,238	8,912	8,585	8,427	8,344	8,324	8,319	8,260	8,142	7,986	7,830	7,705	7,613
Trend Migration	9,238	8,912	8,585	8,272	7,983	7,766	7,565	7,358	7,105	6,826	6,538	6,288	6,082
Average	9,238	8,912	8,585	8,349	8,163	8,045	7,942	7,809	7,624	7,406	7,184	6,997	6,848

Population by Age Group, 2000 and 2050



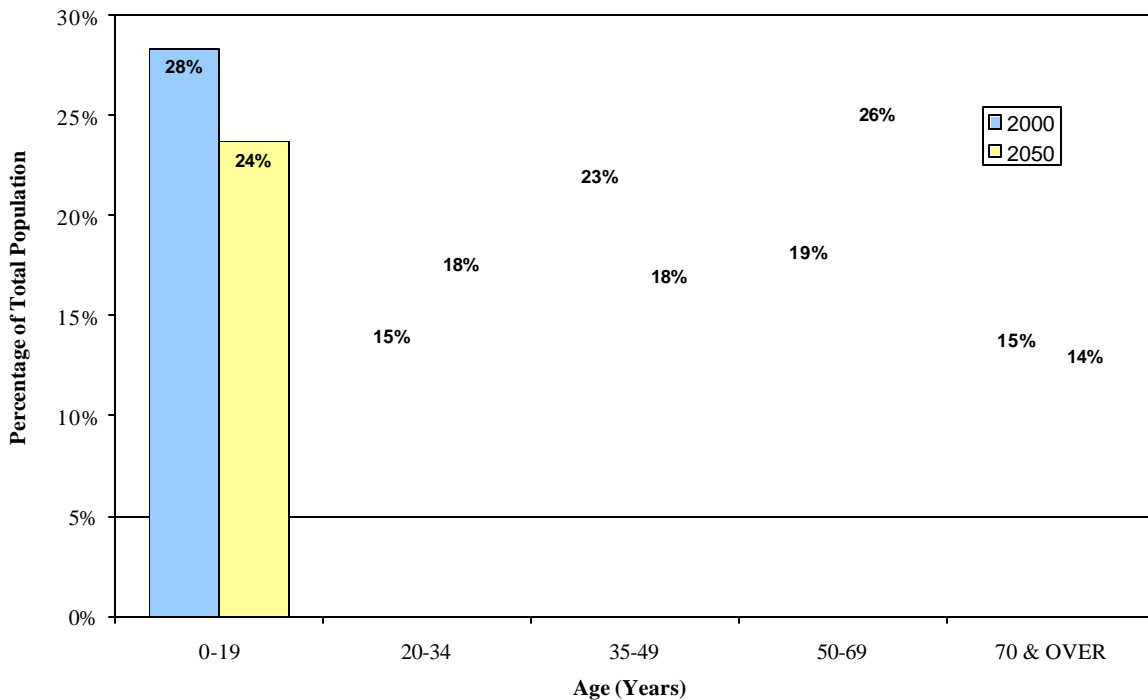
Ramsey County Population Forecast



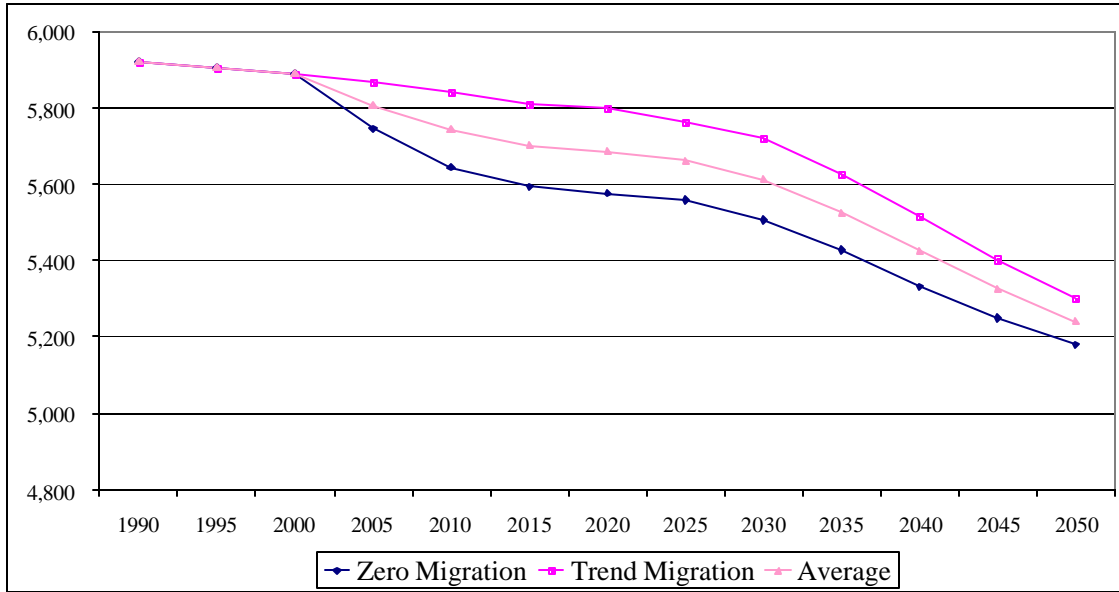
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	12,681	12,374	12,066	11,924	11,884	11,928	11,988	11,993	11,911	11,783	11,635	11,488	11,363
Trend Migration	12,681	12,374	12,066	11,677	11,304	10,992	10,692	10,412	10,072	9,745	9,408	9,111	8,863
Average	12,681	12,374	12,066	11,801	11,594	11,460	11,340	11,202	10,992	10,764	10,521	10,300	10,113

Population by Age Group, 2000 and 2050



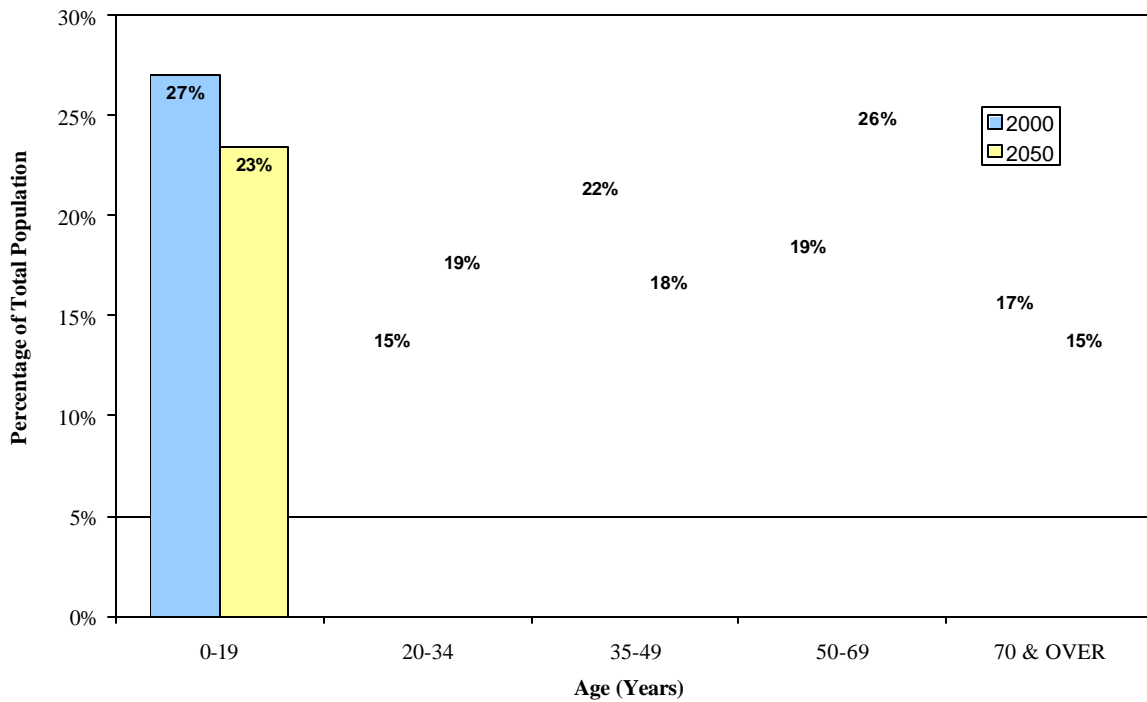
Ransom County Population Forecast



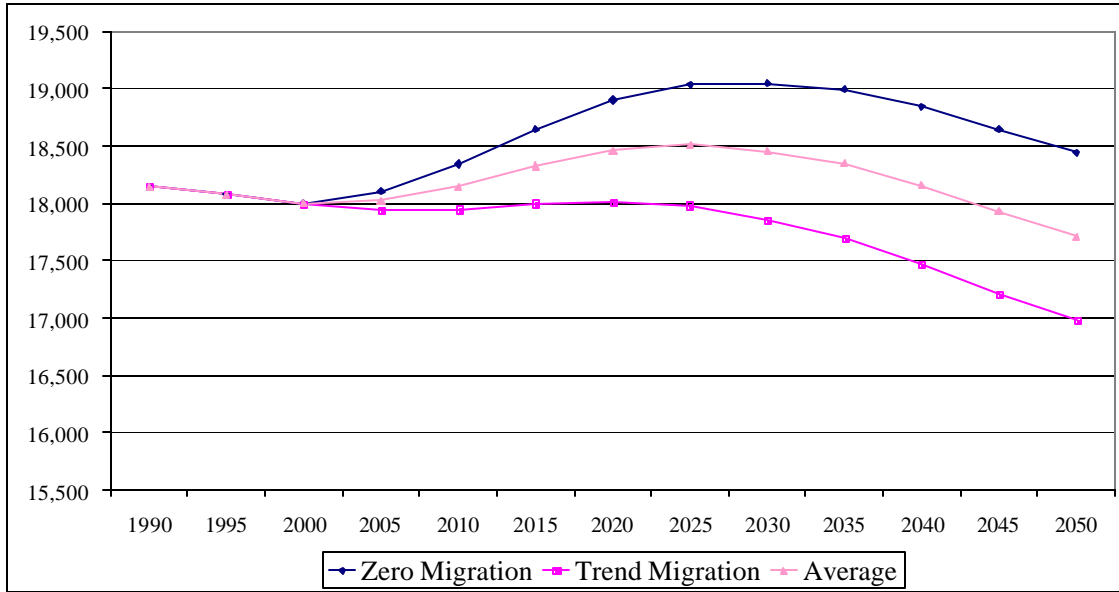
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	5,921	5,906	5,890	5,746	5,645	5,593	5,576	5,558	5,506	5,427	5,332	5,249	5,179
Trend Migration	5,921	5,906	5,890	5,866	5,842	5,809	5,797	5,763	5,720	5,625	5,518	5,403	5,302
Average	5,921	5,906	5,890	5,806	5,744	5,701	5,687	5,661	5,613	5,526	5,425	5,326	5,241

Population by Age Group, 2000 and 2050



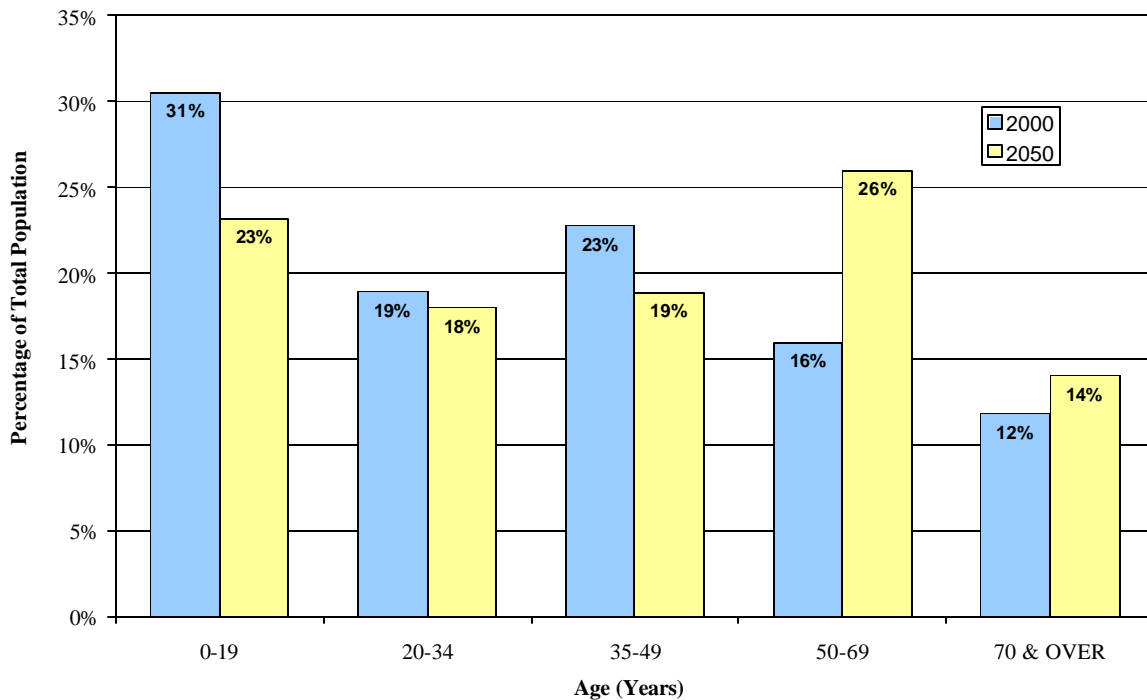
Richland County Population Forecast



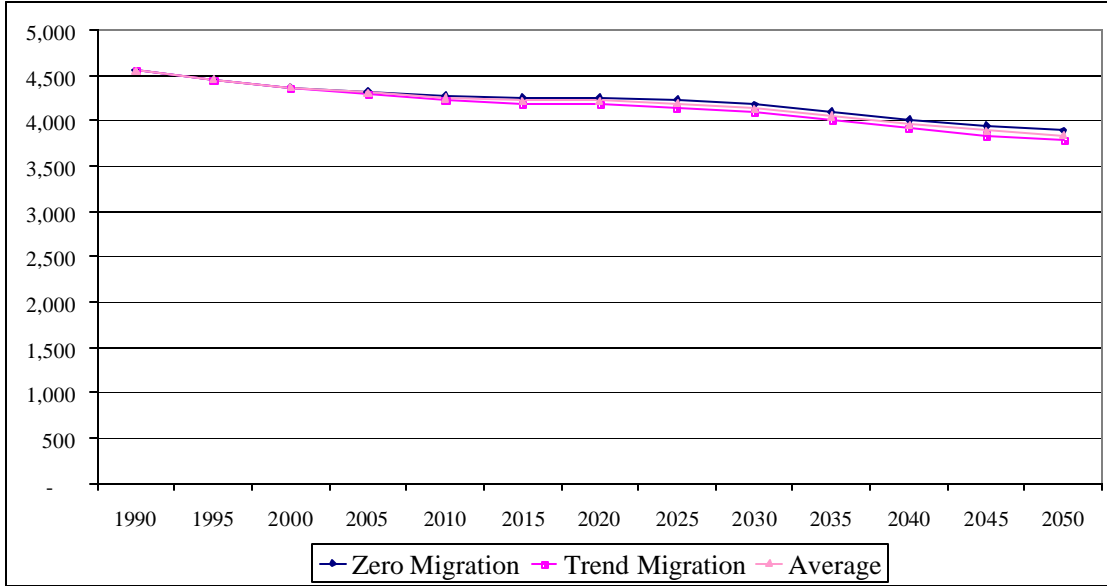
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	18,148	18,073	17,998	18,101	18,343	18,646	18,900	19,035	19,050	18,990	18,843	18,646	18,439
Trend Migration	18,148	18,073	17,998	17,943	17,948	18,000	18,016	17,983	17,856	17,698	17,464	17,212	16,978
Average	18,148	18,073	17,998	18,022	18,145	18,323	18,458	18,509	18,453	18,344	18,154	17,929	17,708

Population by Age Group, 2000 and 2050



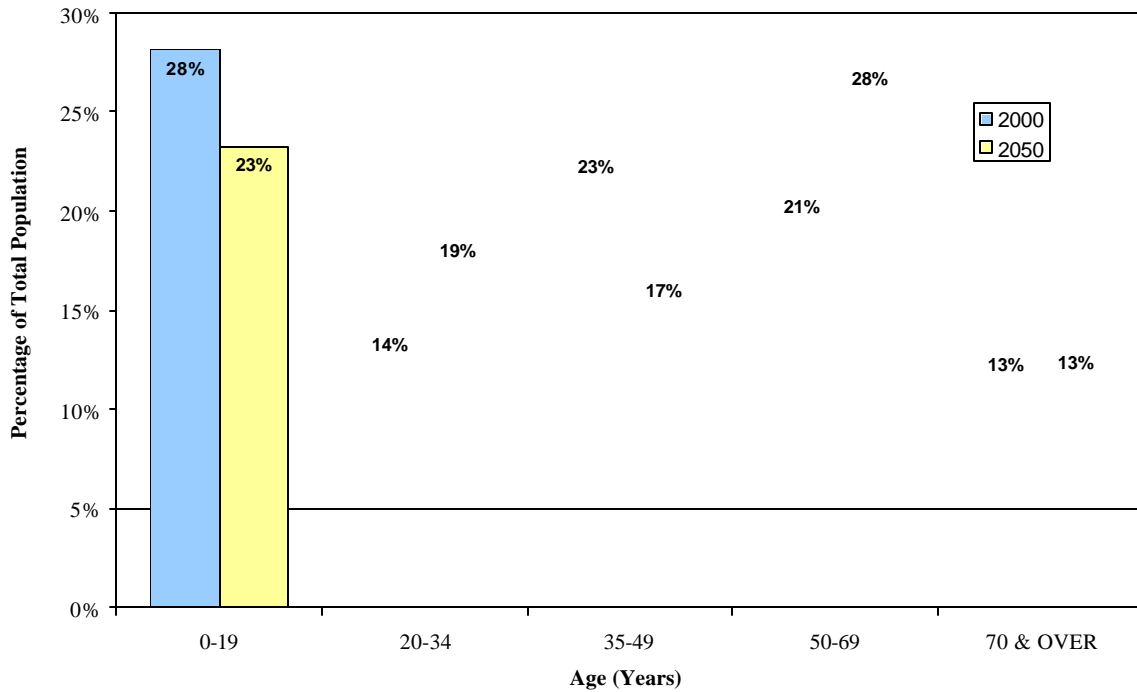
Sargent County Population Forecast



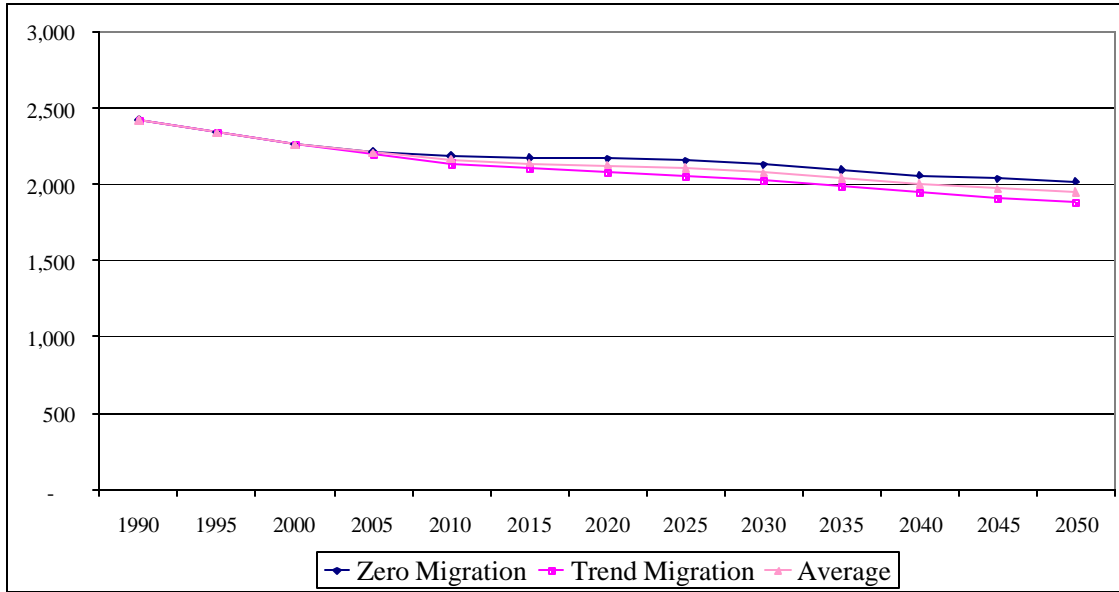
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	4,549	4,458	4,366	4,316	4,271	4,258	4,262	4,239	4,177	4,095	4,009	3,942	3,894
Trend Migration	4,549	4,458	4,366	4,298	4,228	4,191	4,175	4,147	4,087	4,006	3,916	3,840	3,782
Average	4,549	4,458	4,366	4,307	4,249	4,224	4,218	4,193	4,132	4,051	3,963	3,891	3,838

Population by Age Group, 2000 and 2050



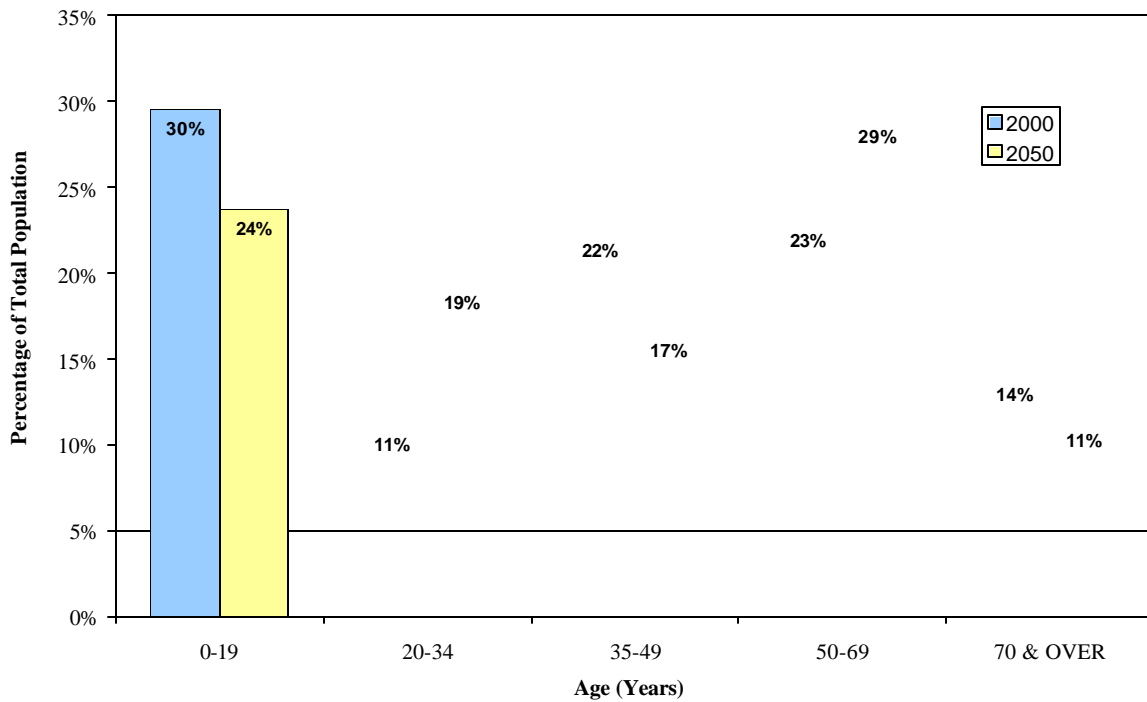
Steele County Population Forecast



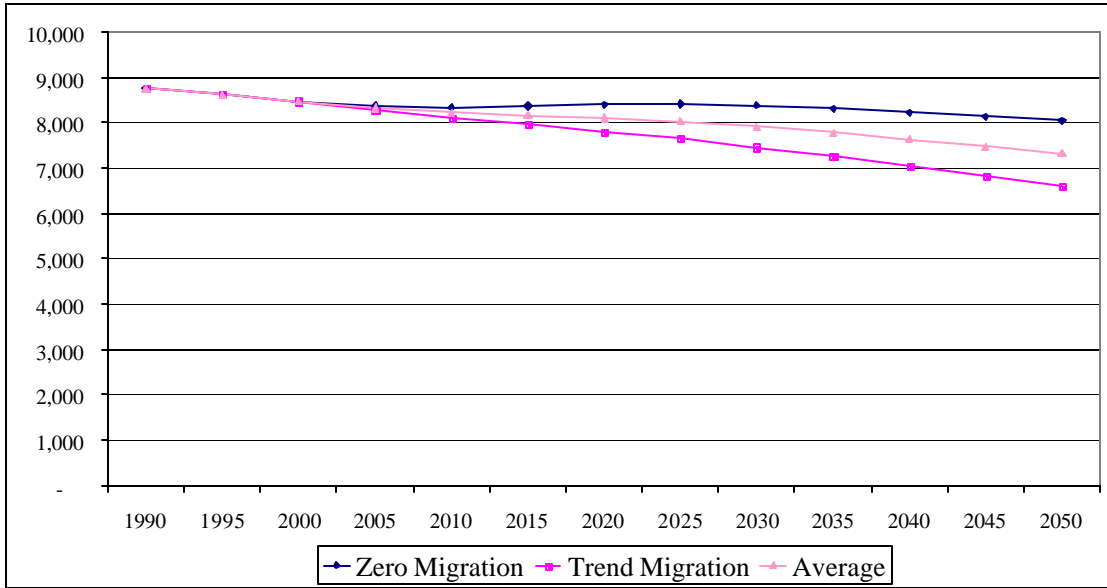
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	2,420	2,339	2,258	2,216	2,184	2,171	2,166	2,153	2,126	2,091	2,058	2,034	2,019
Trend Migration	2,420	2,339	2,258	2,196	2,138	2,104	2,078	2,057	2,025	1,987	1,943	1,907	1,878
Average	2,420	2,339	2,258	2,206	2,161	2,137	2,122	2,105	2,075	2,039	2,000	1,971	1,949

Population by Age Group, 2000 and 2050



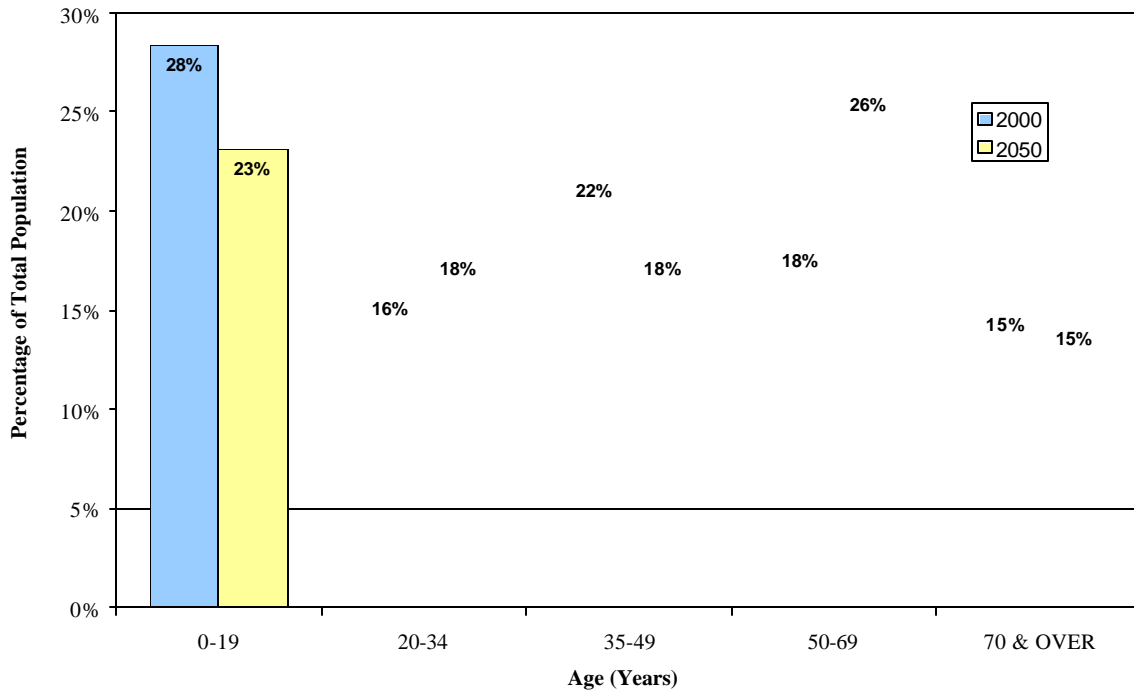
Trail County Population Forecast



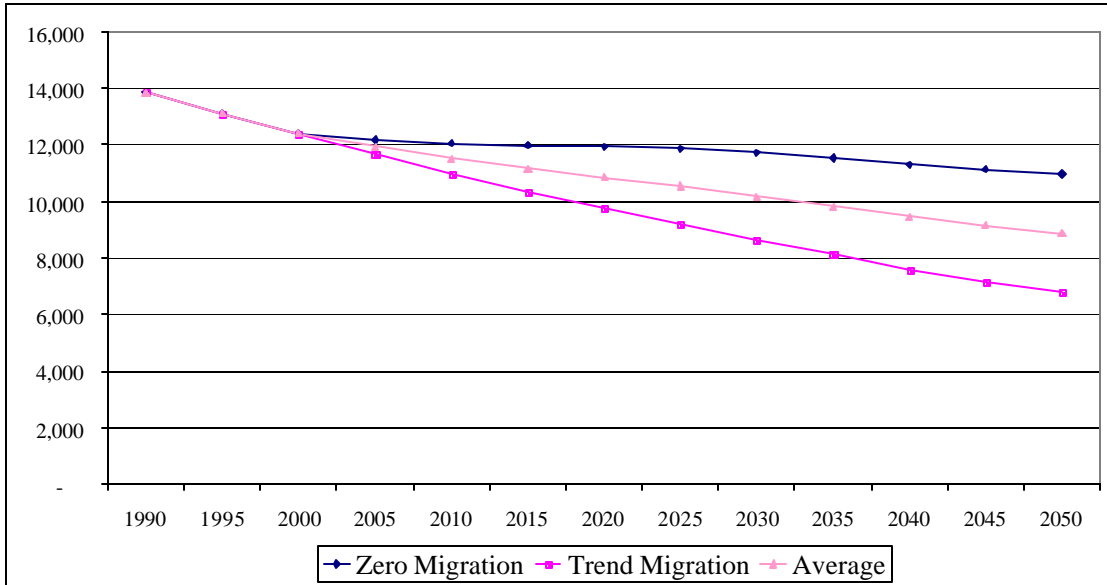
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	8,752	8,615	8,477	8,369	8,342	8,367	8,406	8,416	8,380	8,312	8,225	8,132	8,049
Trend Migration	8,752	8,615	8,477	8,289	8,113	7,956	7,806	7,652	7,462	7,256	7,030	6,809	6,612
Average	8,752	8,615	8,477	8,329	8,228	8,161	8,106	8,034	7,921	7,784	7,628	7,471	7,330

Population by Age Group, 2000 and 2050



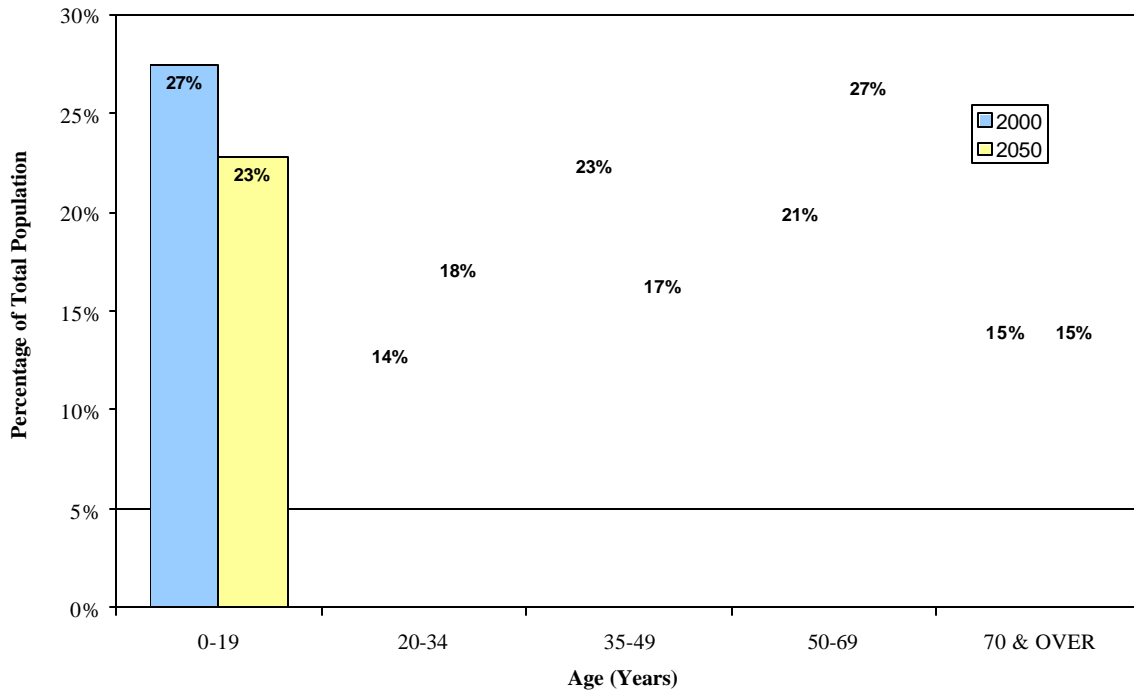
Walsh County Population Forecast



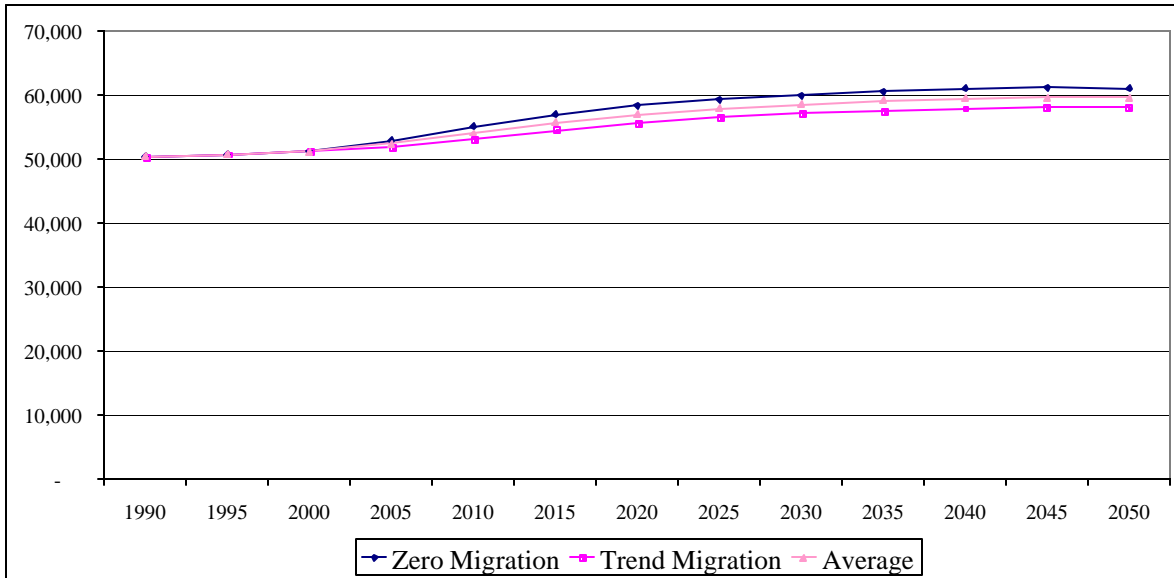
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	13,840	13,115	12,389	12,172	12,037	11,982	11,952	11,880	11,736	11,534	11,315	11,126	10,974
Trend Migration	13,840	13,115	12,389	11,675	10,972	10,348	9,732	9,198	8,628	8,115	7,592	7,149	6,766
Average	13,840	13,115	12,389	11,924	11,505	11,165	10,842	10,539	10,182	9,825	9,454	9,138	8,870

Population by Age Group, 2000 and 2050



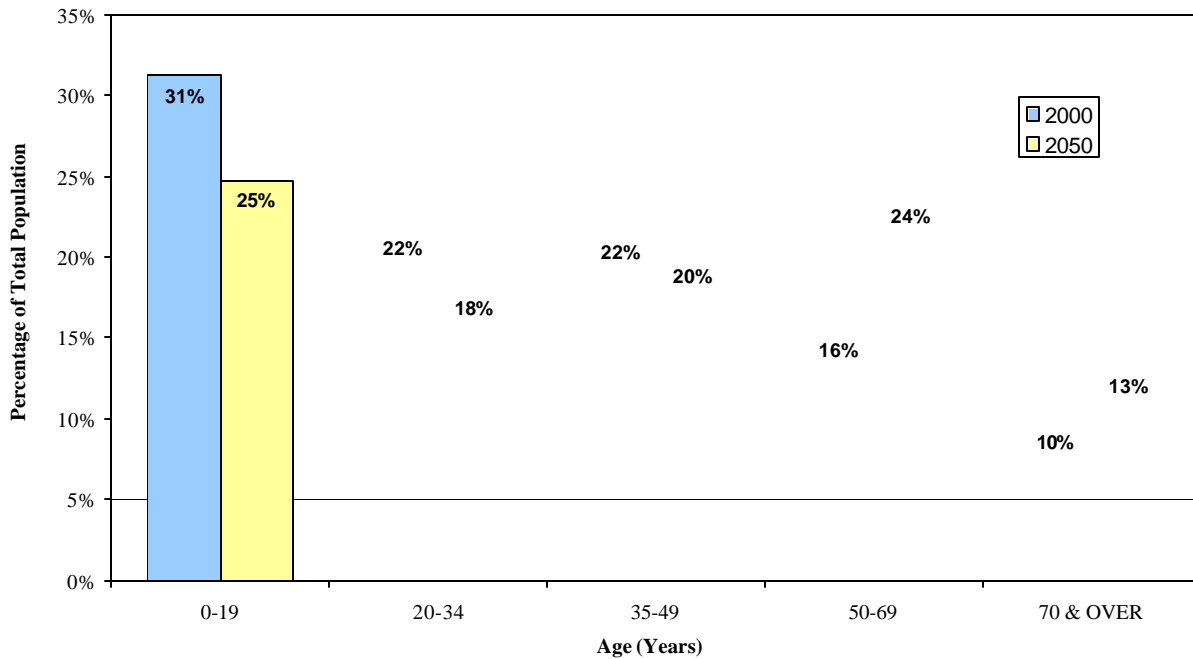
Clay County Population Forecast



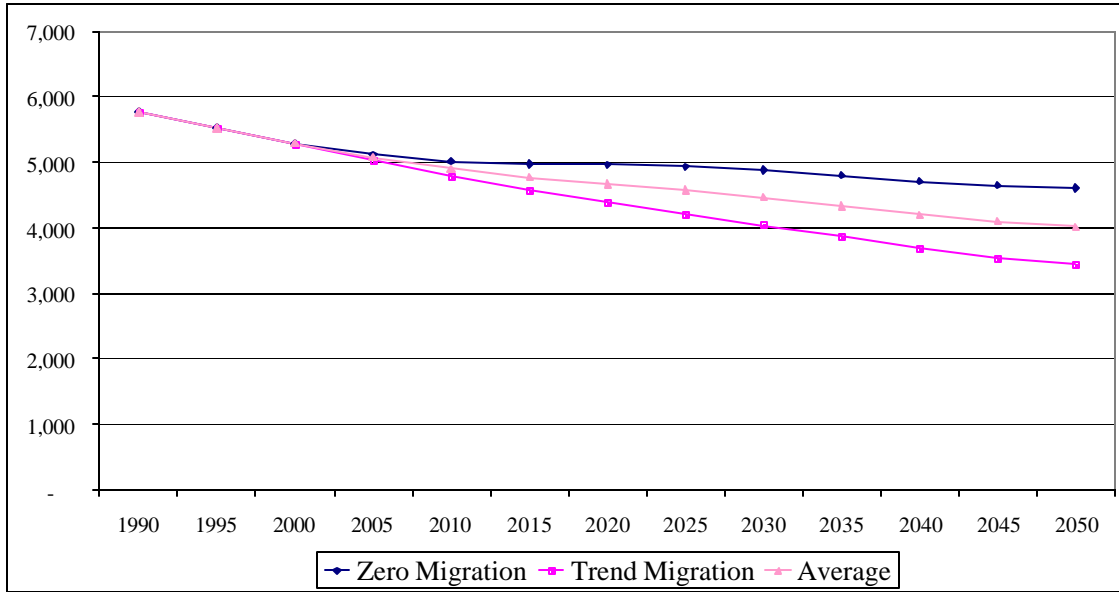
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	50,422	50,826	51,229	53,004	55,144	57,072	58,445	59,343	60,056	60,672	61,080	61,179	61,053
Trend Migration	50,422	50,826	51,229	52,067	53,136	54,607	55,744	56,631	57,208	57,697	58,018	58,207	58,286
Average	50,422	50,826	51,229	52,535	54,140	55,840	57,095	57,987	58,632	59,185	59,549	59,693	59,669

Population by Age Group, 2000 and 2050



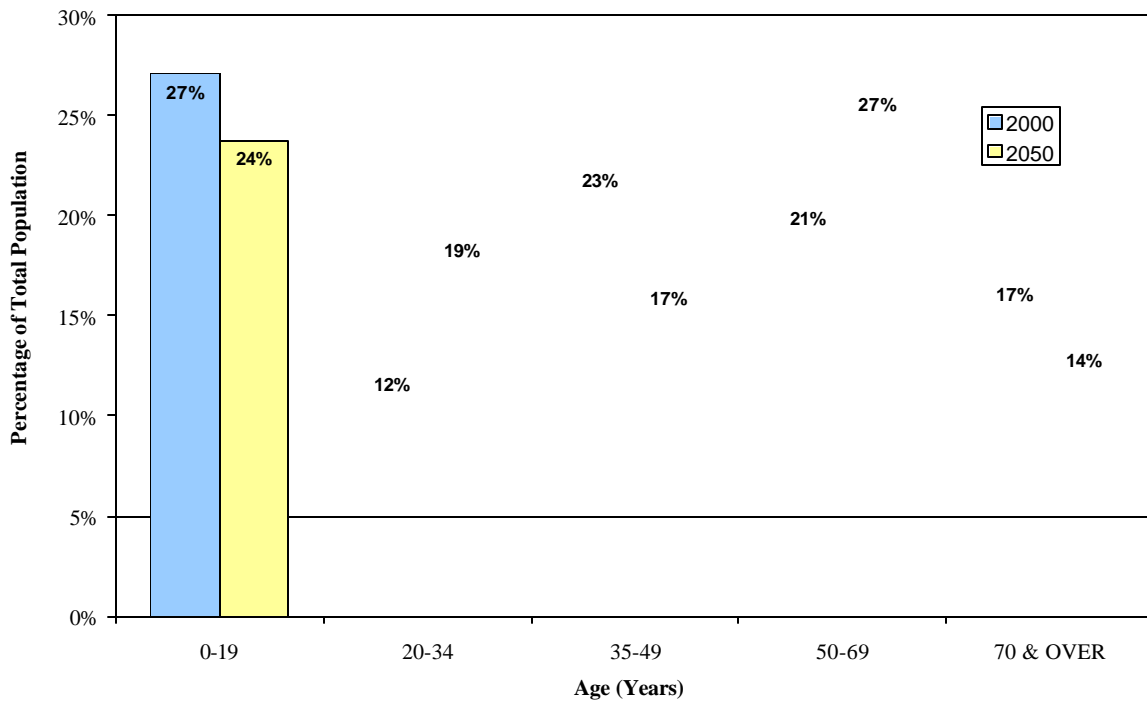
Kittson County Population Forecast



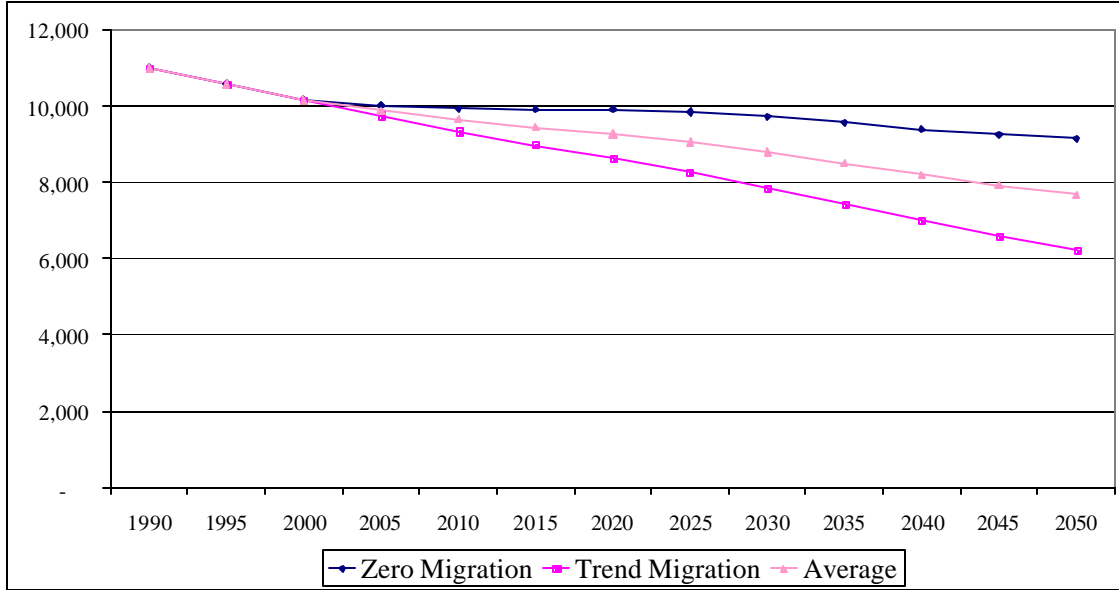
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	5,767	5,526	5,285	5,118	5,018	4,971	4,960	4,936	4,882	4,801	4,713	4,646	4,609
Trend Migration	5,767	5,526	5,285	5,020	4,779	4,570	4,385	4,218	4,042	3,869	3,692	3,544	3,431
Average	5,767	5,526	5,285	5,069	4,898	4,771	4,672	4,577	4,462	4,335	4,203	4,095	4,020

Population by Age Group, 2000 and 2050



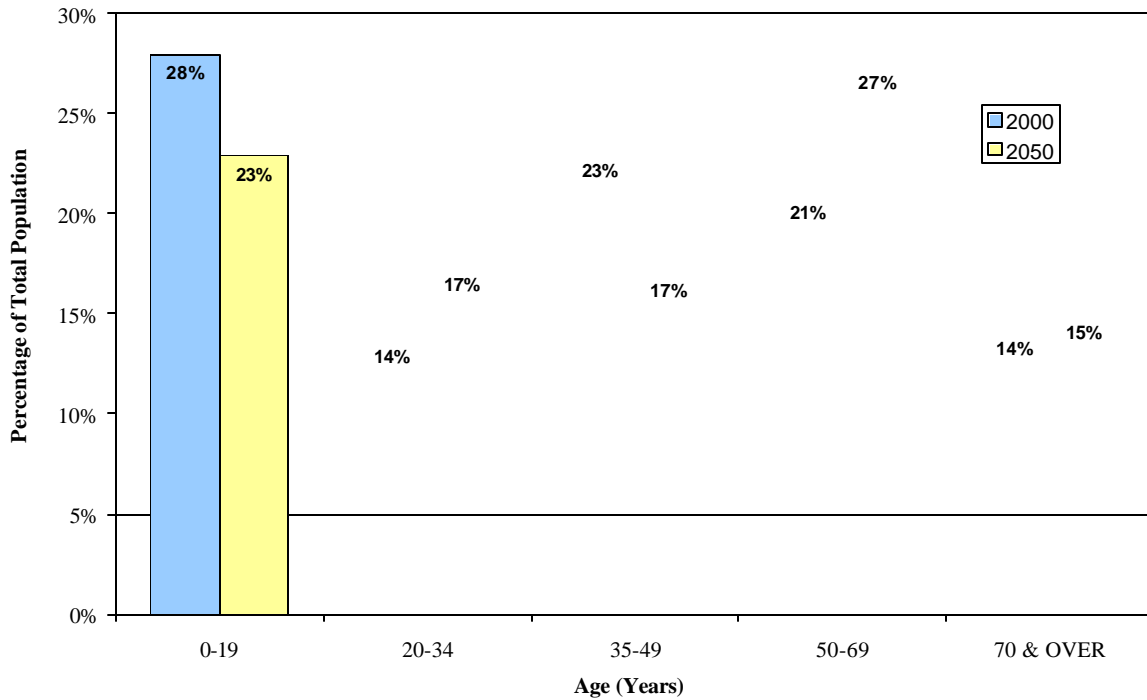
Marshall County Population Forecast



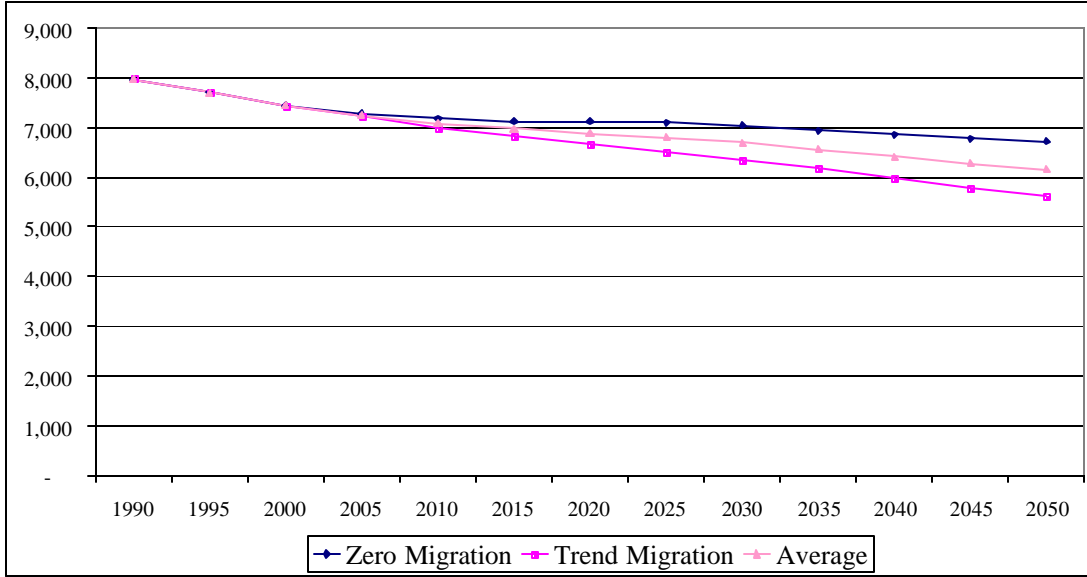
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	10,993	10,574	10,155	10,017	9,930	9,907	9,902	9,841	9,716	9,557	9,386	9,249	9,135
Trend Migration	10,993	10,574	10,155	9,751	9,336	8,974	8,622	8,266	7,863	7,443	6,995	6,583	6,204
Average	10,993	10,574	10,155	9,884	9,633	9,440	9,262	9,054	8,789	8,500	8,190	7,916	7,670

Population by Age Group, 2000 and 2050



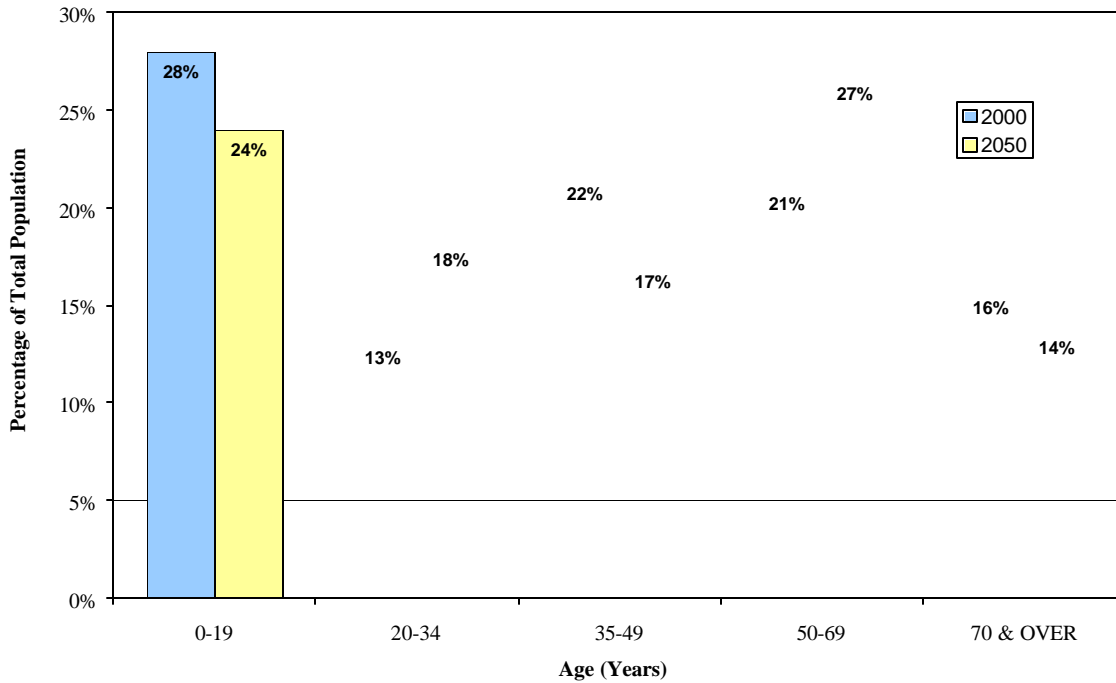
Norman County Population Forecast



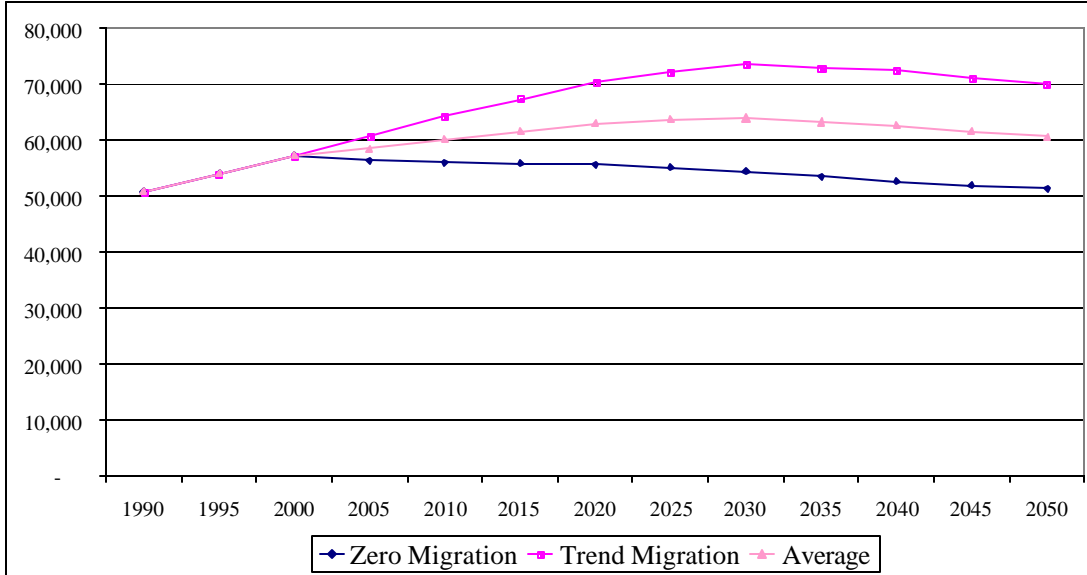
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	7,975	7,709	7,442	7,280	7,170	7,130	7,119	7,097	7,033	6,944	6,852	6,773	6,713
Trend Migration	7,975	7,709	7,442	7,213	6,992	6,812	6,655	6,514	6,350	6,166	5,966	5,773	5,602
Average	7,975	7,709	7,442	7,246	7,081	6,971	6,887	6,806	6,691	6,555	6,409	6,273	6,157

Population by Age Group, 2000 and 2050



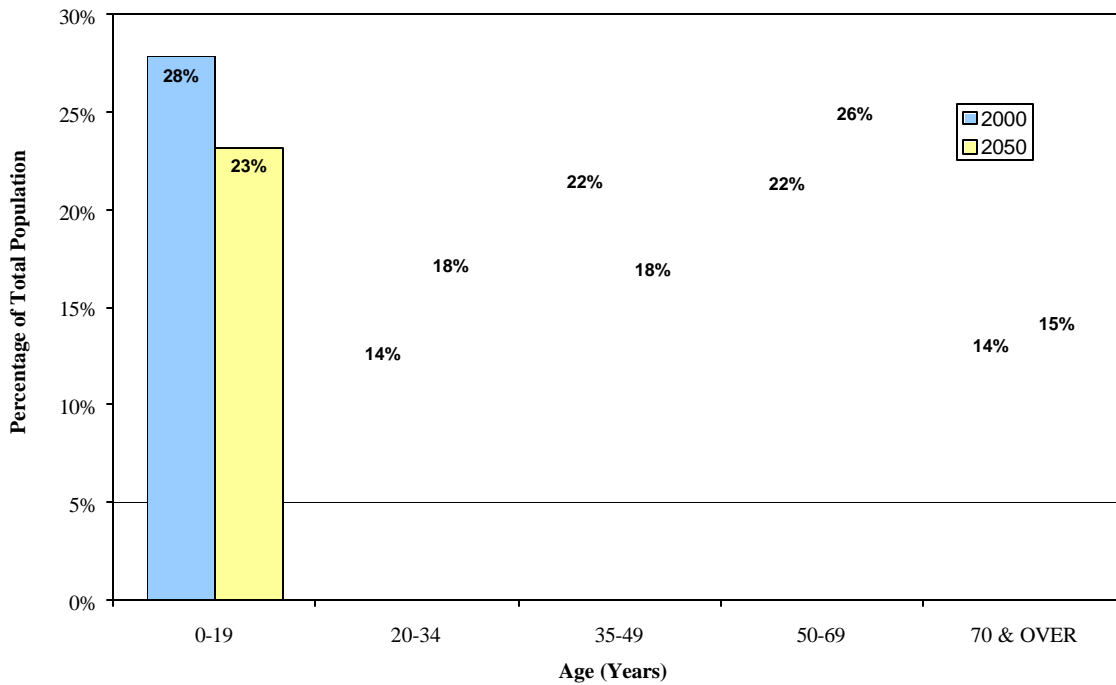
Otter Tail County Population Forecast



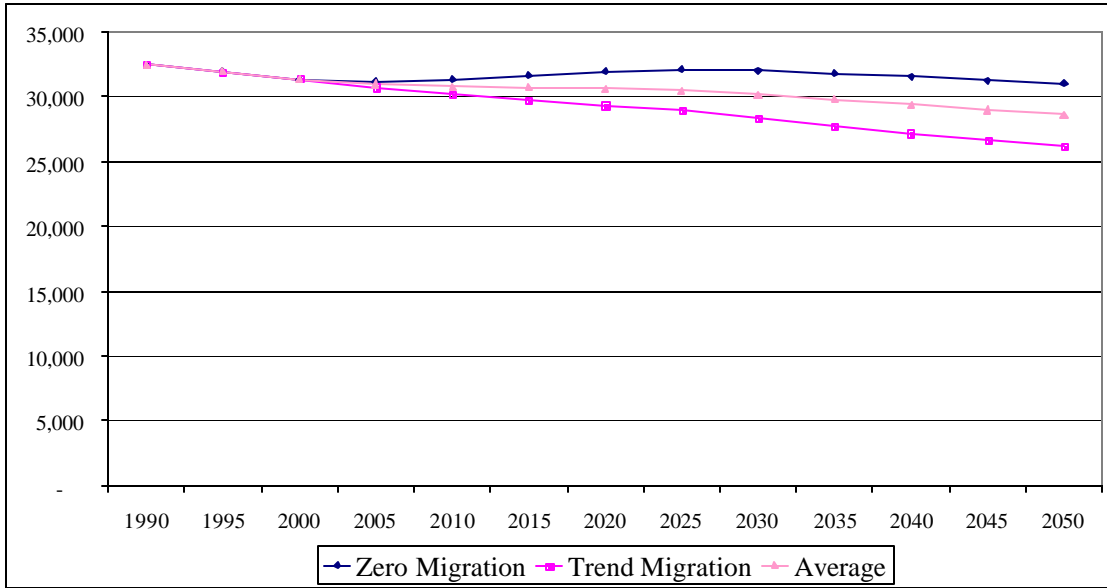
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	50,714	53,937	57,159	56,328	55,882	55,747	55,589	55,138	54,381	53,494	52,632	51,884	51,329
Trend Migration	50,714	53,937	57,159	60,571	64,170	67,299	70,469	72,062	73,420	72,948	72,380	71,012	69,845
Average	50,714	53,937	57,159	58,450	60,026	61,523	63,029	63,600	63,901	63,221	62,506	61,448	60,587

Population by Age Group, 2000 and 2050



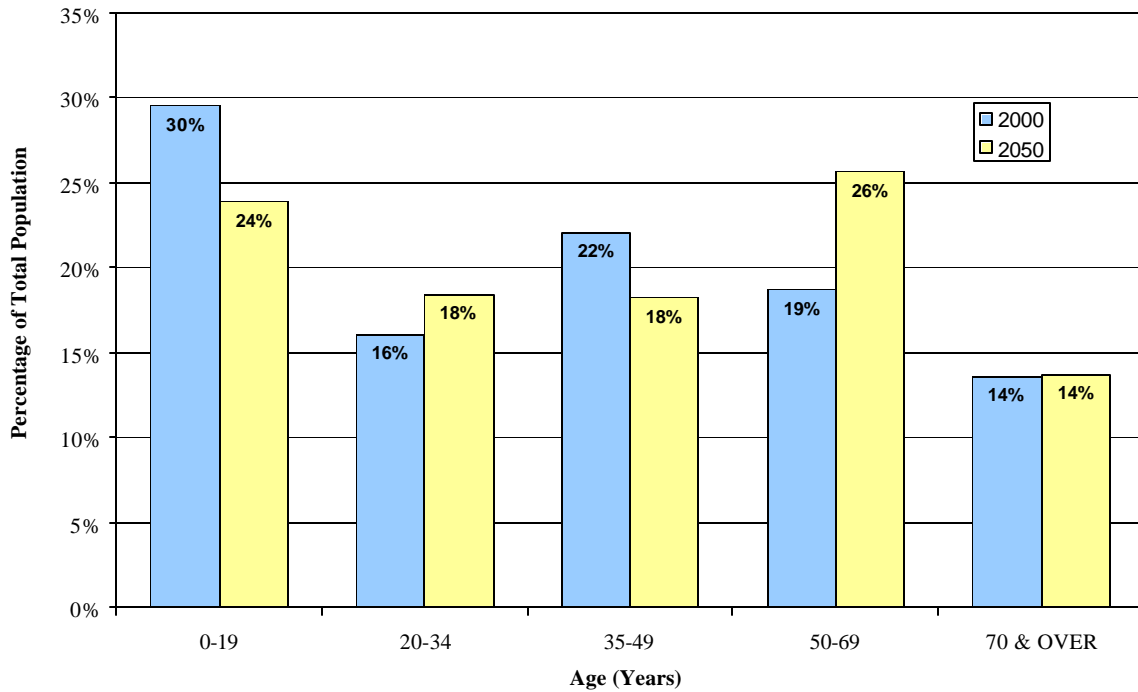
Polk County Population Forecast



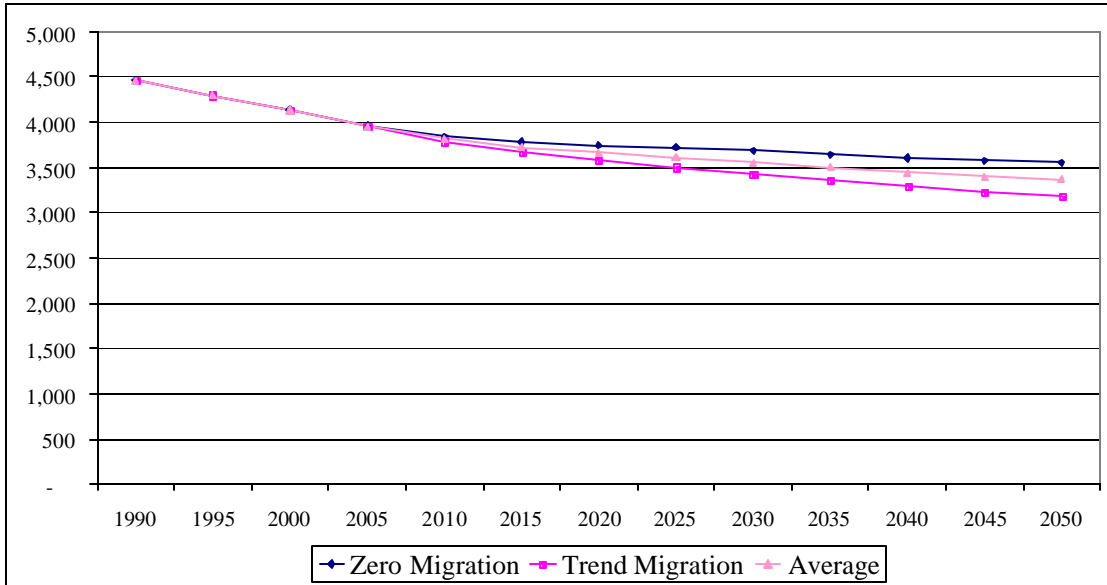
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	32,498	31,934	31,369	31,222	31,342	31,652	31,959	32,083	32,011	31,809	31,545	31,284	31,044
Trend Migration	32,498	31,934	31,369	30,742	30,192	29,776	29,351	28,913	28,351	27,800	27,203	26,677	26,211
Average	32,498	31,934	31,369	30,982	30,767	30,714	30,655	30,498	30,181	29,805	29,374	28,981	28,628

Population by Age Group, 2000 and 2050



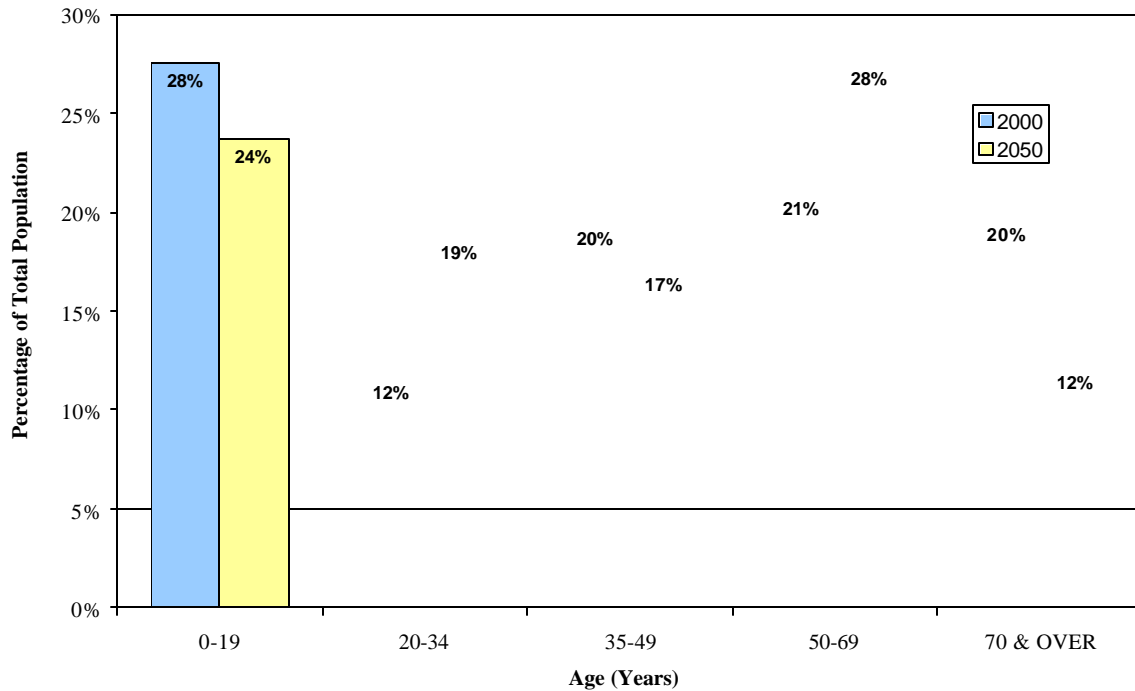
Traverse County Population Forecast



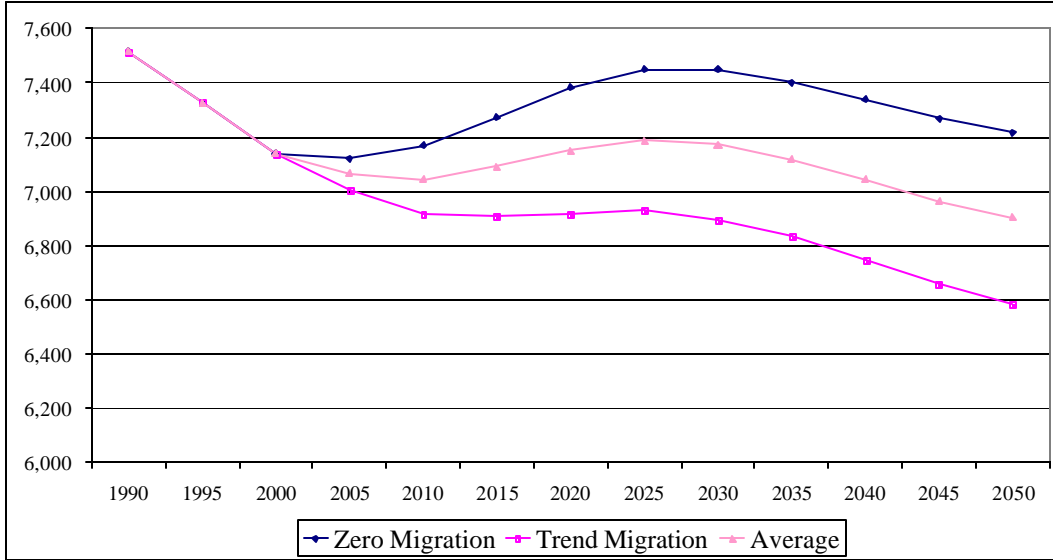
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	4,463	4,299	4,134	3,959	3,841	3,781	3,747	3,722	3,684	3,643	3,603	3,573	3,553
Trend Migration	4,463	4,299	4,134	3,948	3,790	3,669	3,575	3,503	3,432	3,362	3,291	3,229	3,180
Average	4,463	4,299	4,134	3,953	3,816	3,725	3,661	3,612	3,558	3,502	3,447	3,401	3,367

Population by Age Group, 2000 and 2050



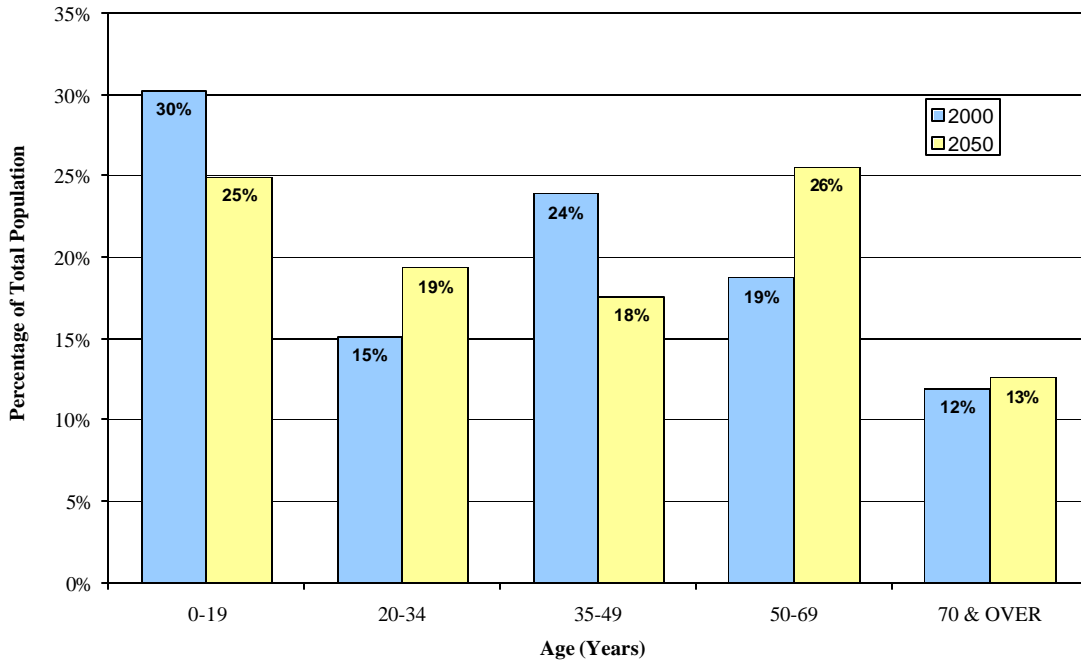
Wilkin County Population Forecast



Projection Results

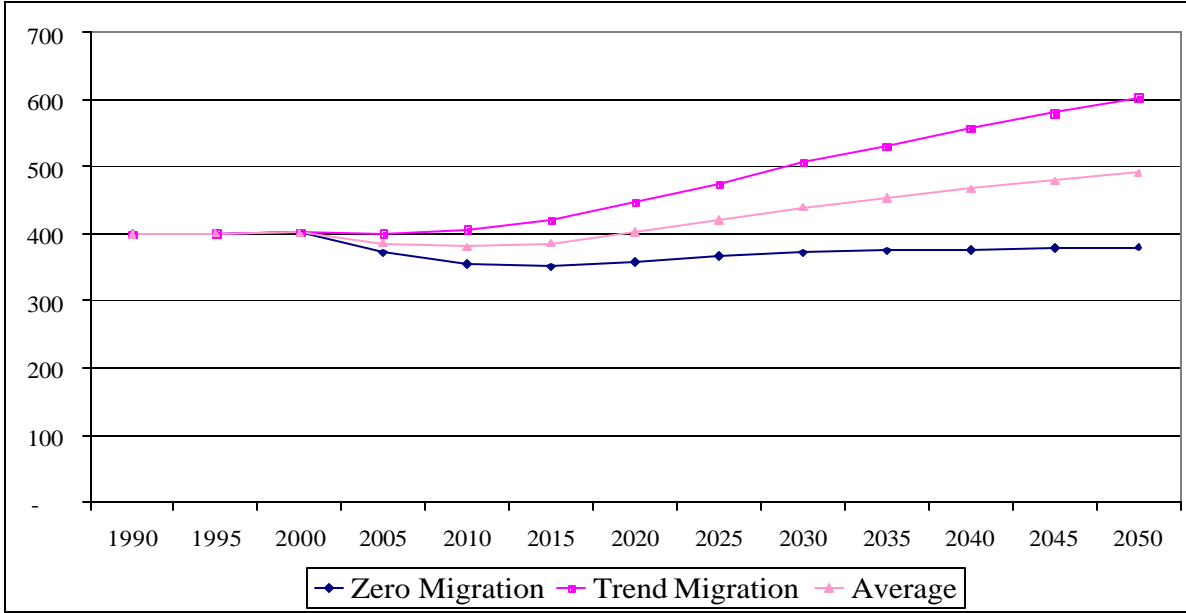
	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	7,516	7,327	7,138	7,122	7,170	7,273	7,383	7,448	7,449	7,401	7,339	7,267	7,216
Trend Migration	7,516	7,327	7,138	7,006	6,918	6,908	6,918	6,930	6,896	6,832	6,746	6,655	6,587
Average	7,516	7,327	7,138	7,064	7,044	7,091	7,151	7,189	7,173	7,117	7,042	6,961	6,901

Population by Age Group, 2000 and 2050



**Appendix C:
Municipality Population Forecast Summaries**

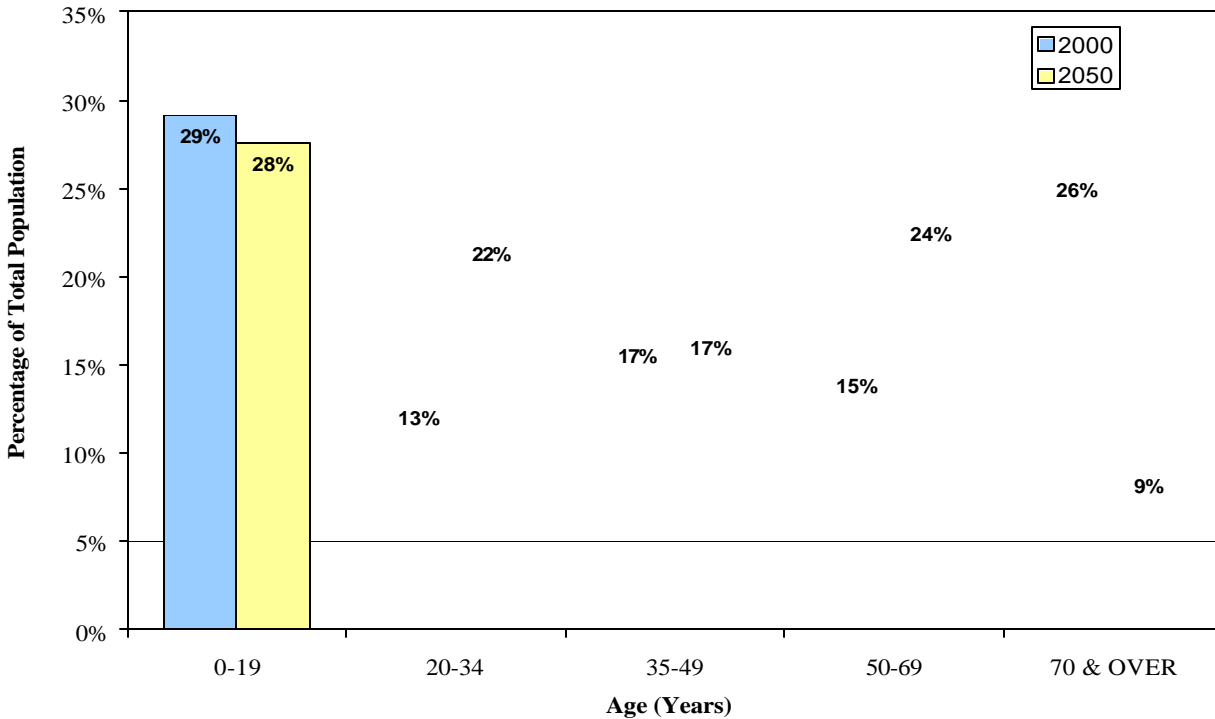
Arthur Population Forecast



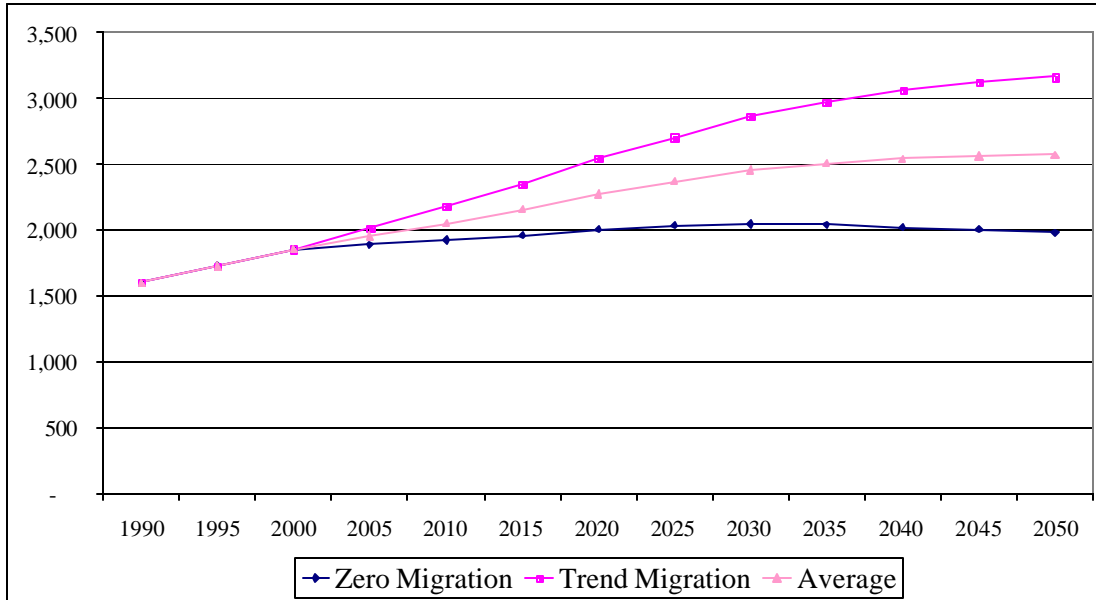
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	400	401	402	372	355	351	358	367	372	375	376	378	380
Trend Migration	400	401	402	401	407	420	447	475	507	531	557	580	603
Average	400	401	402	386	381	386	402	421	439	453	467	479	492

Population by Age Group, 2000 and 2050



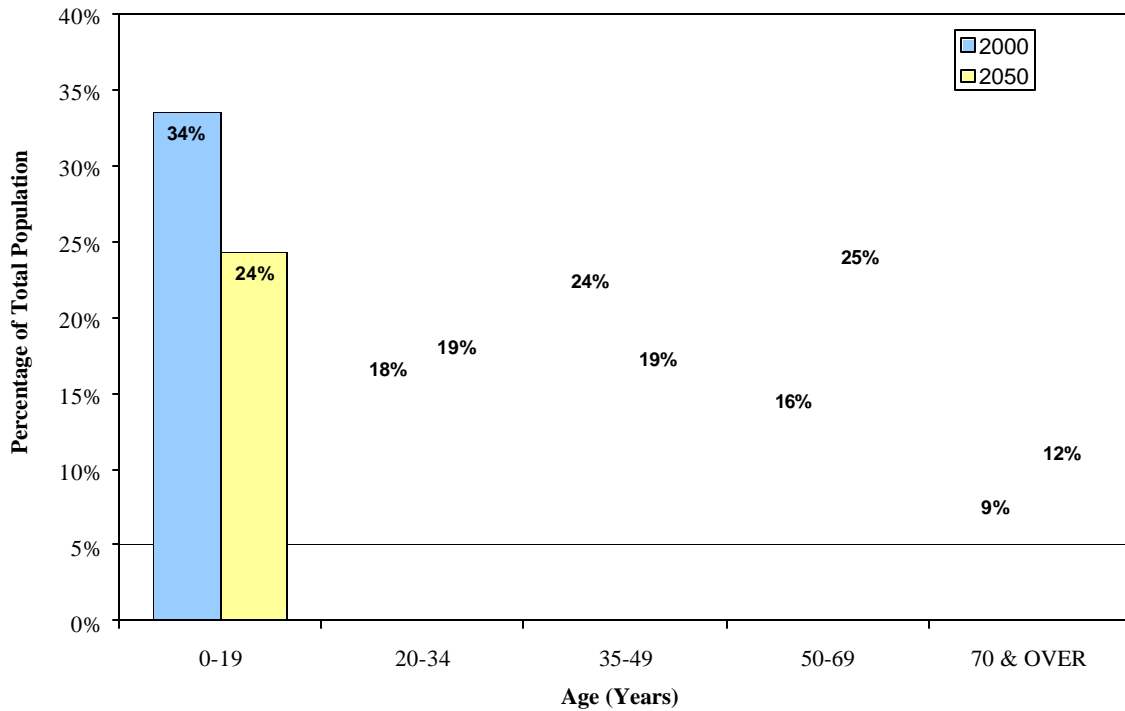
Casselton Population Forecast



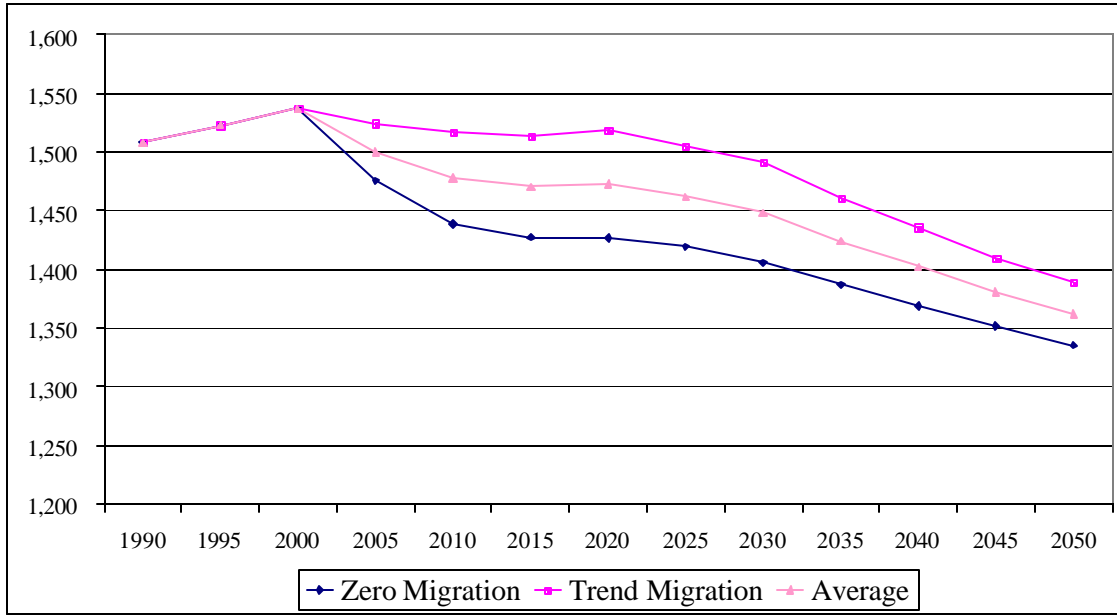
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,601	1,728	1,855	1,891	1,921	1,960	2,002	2,035	2,046	2,040	2,022	2,002	1,979
Trend Migration	1,601	1,728	1,855	2,011	2,179	2,351	2,542	2,705	2,865	2,969	3,060	3,117	3,160
Average	1,601	1,728	1,855	1,951	2,050	2,155	2,272	2,370	2,456	2,504	2,541	2,560	2,570

Population by Age Group, 2000 and 2050



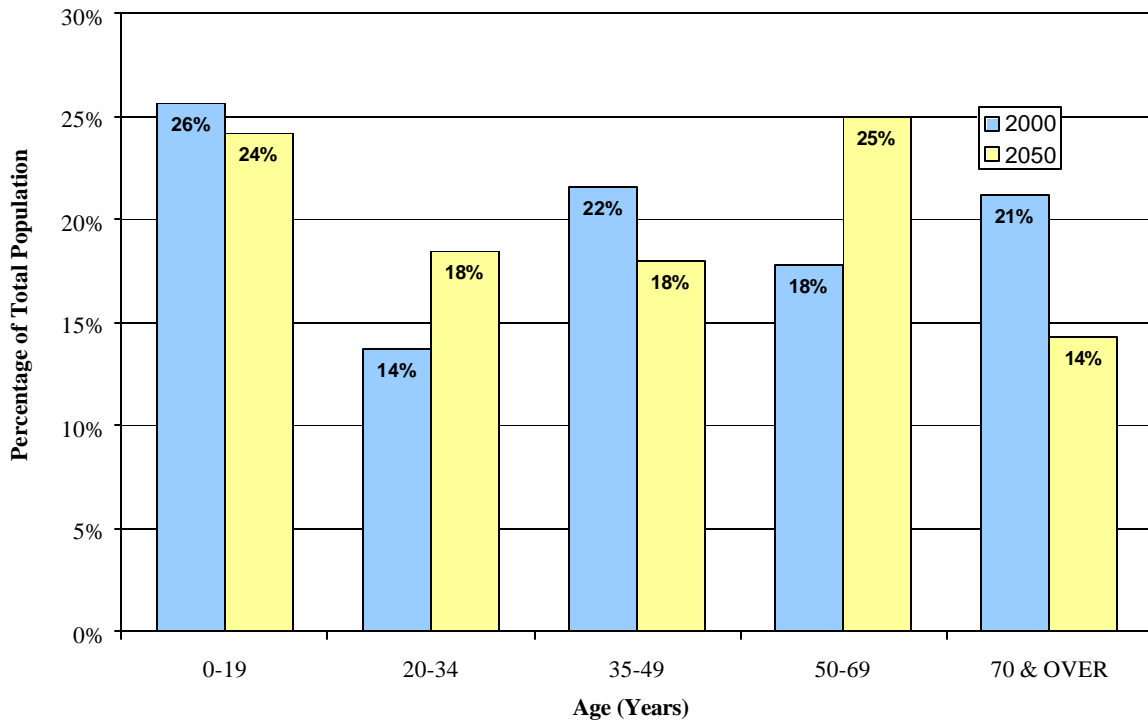
Cavalier Population Forecast



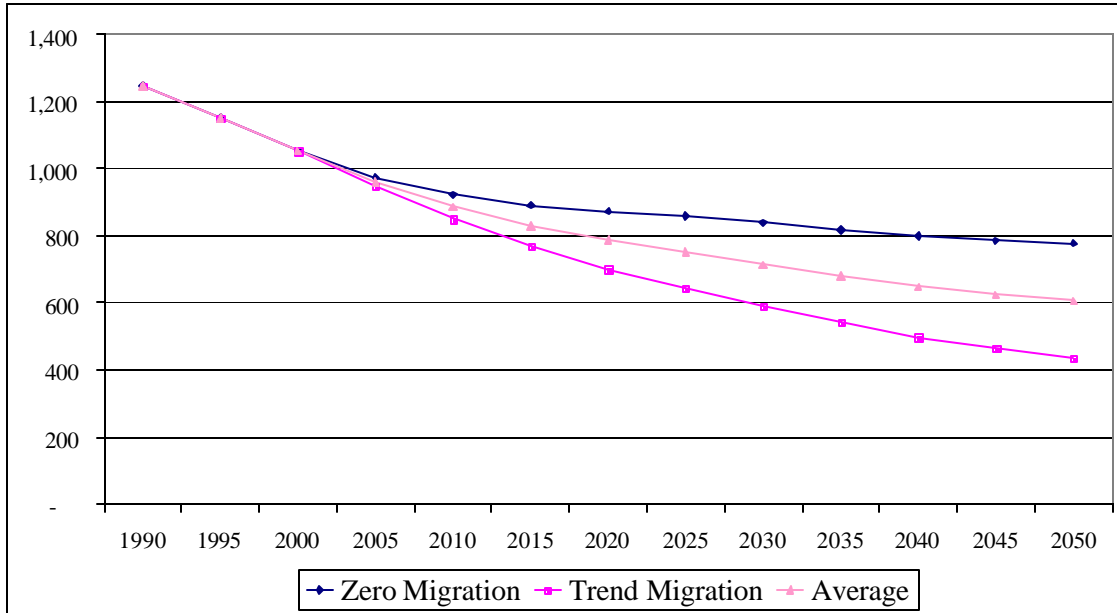
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,508	1,523	1,537	1,475	1,439	1,427	1,427	1,419	1,406	1,387	1,369	1,352	1,335
Trend Migration	1,508	1,523	1,537	1,525	1,517	1,513	1,518	1,505	1,491	1,461	1,436	1,409	1,389
Average	1,508	1,523	1,537	1,500	1,478	1,470	1,472	1,462	1,448	1,424	1,402	1,380	1,362

Population by Age Group, 2000 and 2050



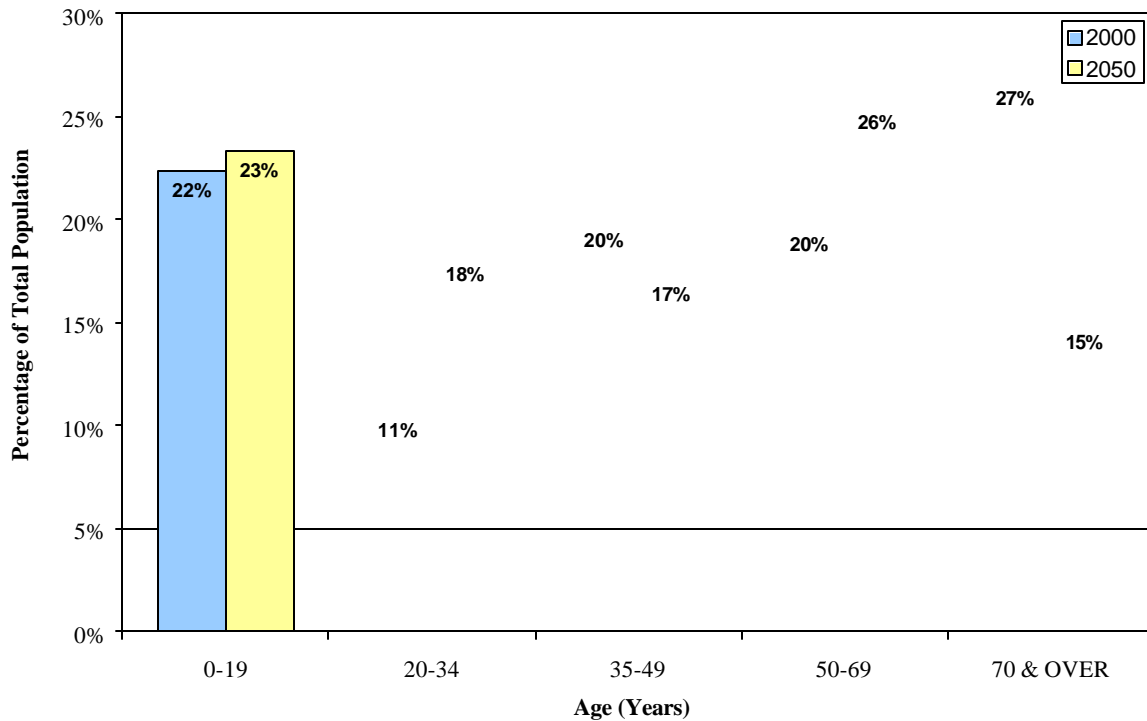
Cooperstown Population Forecast



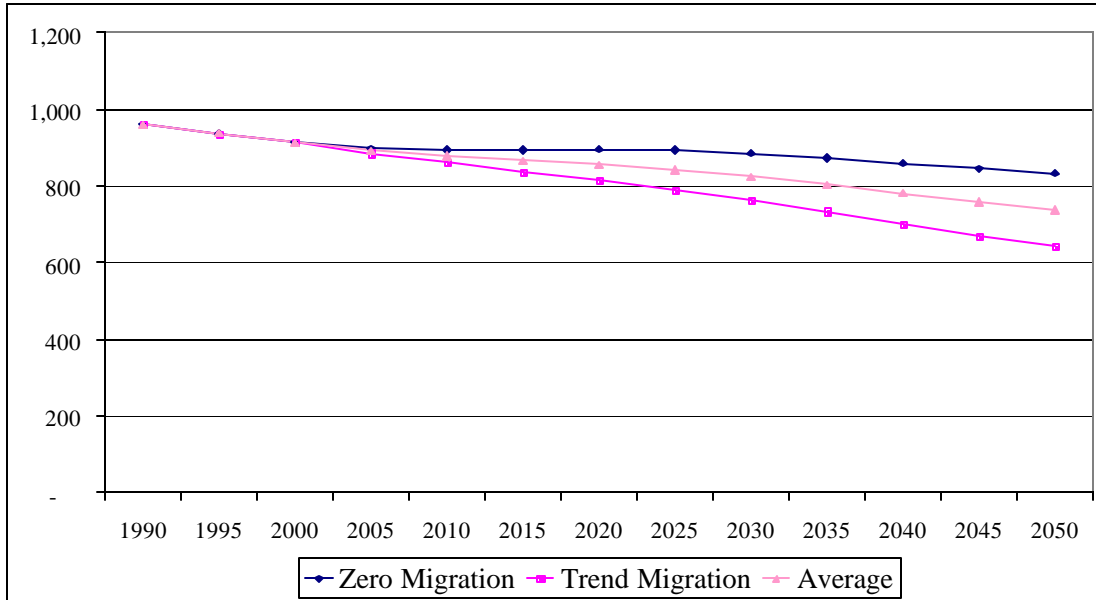
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,247	1,150	1,053	975	923	891	873	858	839	818	798	785	778
Trend Migration	1,247	1,150	1,053	947	850	769	700	643	589	541	497	463	437
Average	1,247	1,150	1,053	961	886	830	786	751	714	680	648	624	607

Population by Age Group, 2000 and 2050



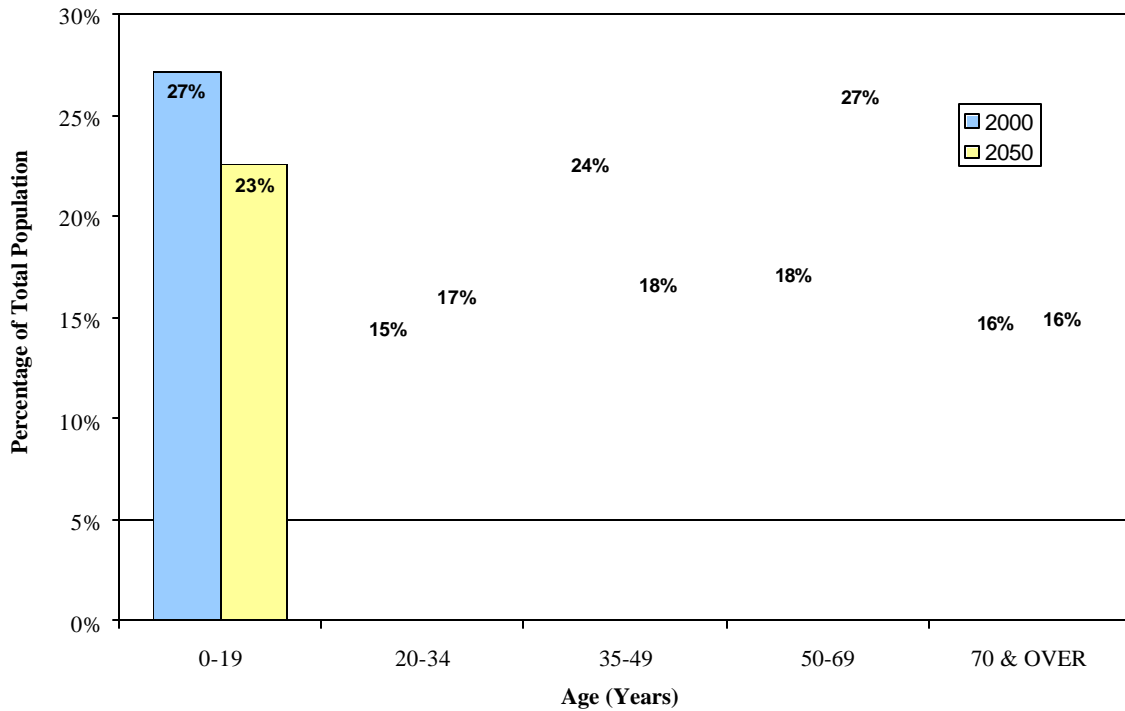
Drayton Population Forecast



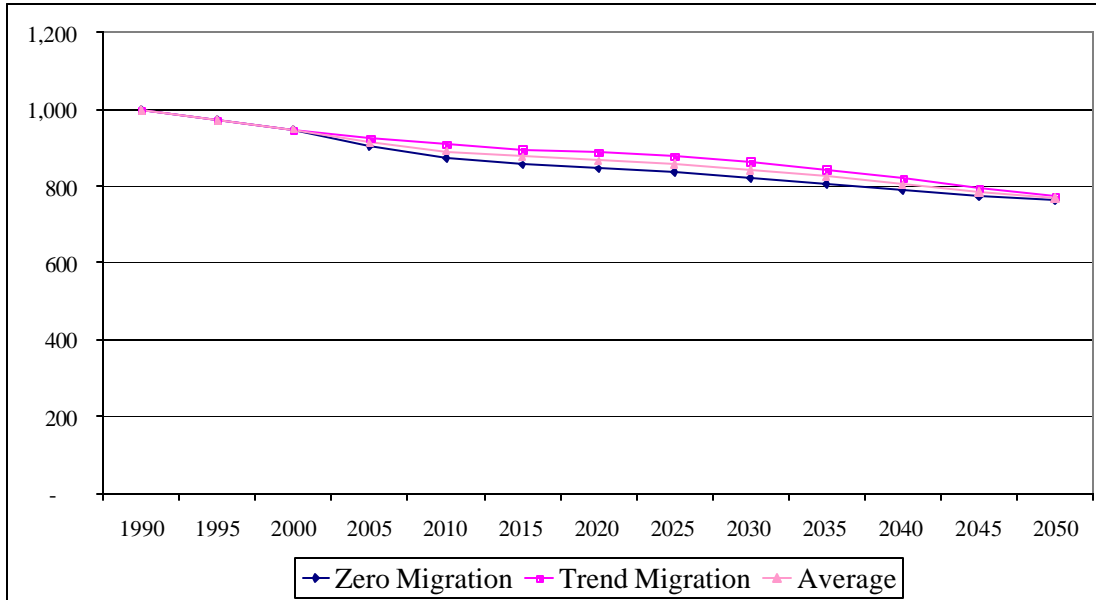
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	961	937	913	898	894	894	896	894	886	874	859	845	833
Trend Migration	961	937	913	886	862	838	814	791	764	734	702	671	642
Average	961	937	913	892	878	866	855	843	825	804	781	758	738

Population by Age Group, 2000 and 2050



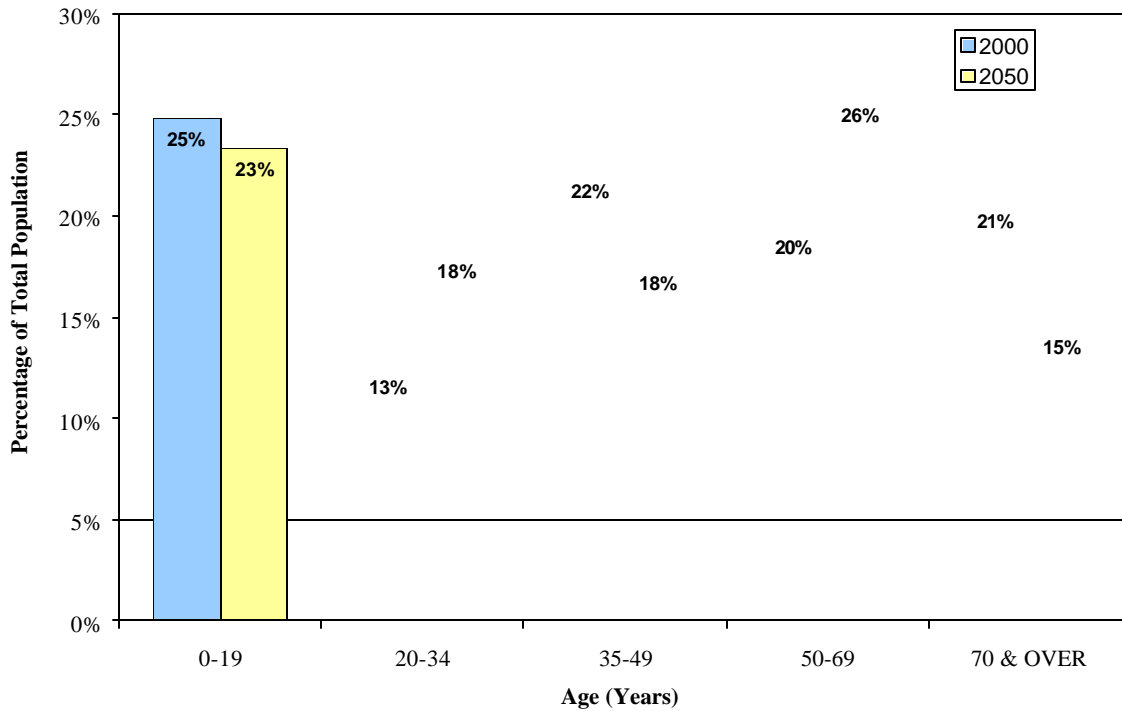
Enderlin Population Forecast



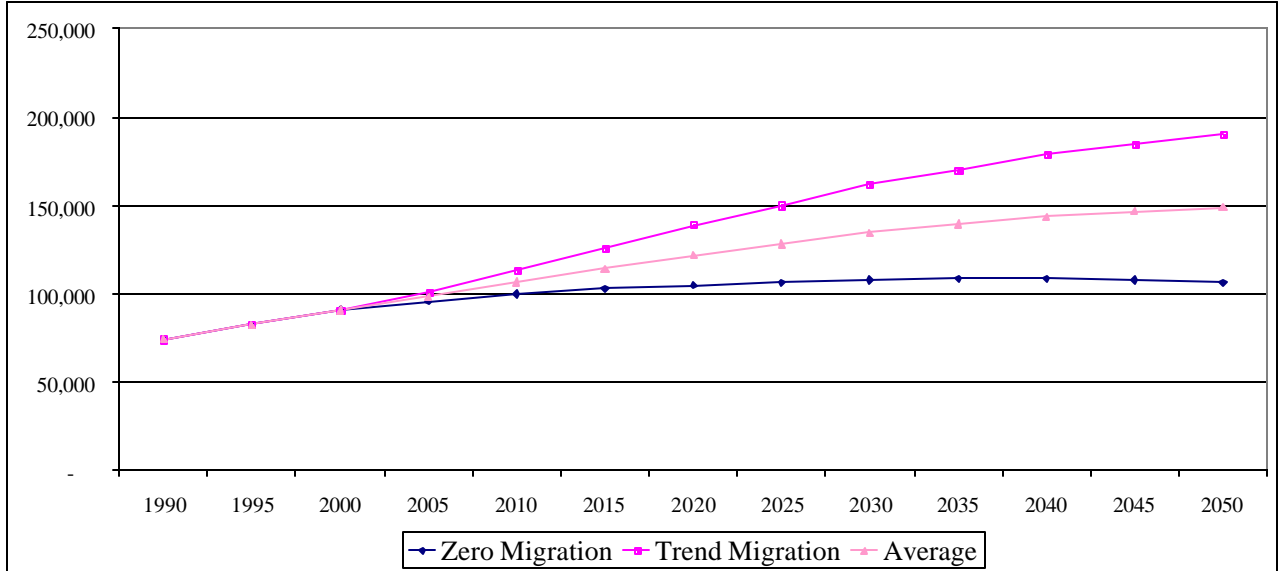
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	997	972	947	902	873	856	846	836	821	805	787	773	761
Trend Migration	997	972	947	923	908	895	888	877	864	843	820	796	776
Average	997	972	947	912	890	876	867	857	843	824	804	785	768

Population by Age Group, 2000 and 2050



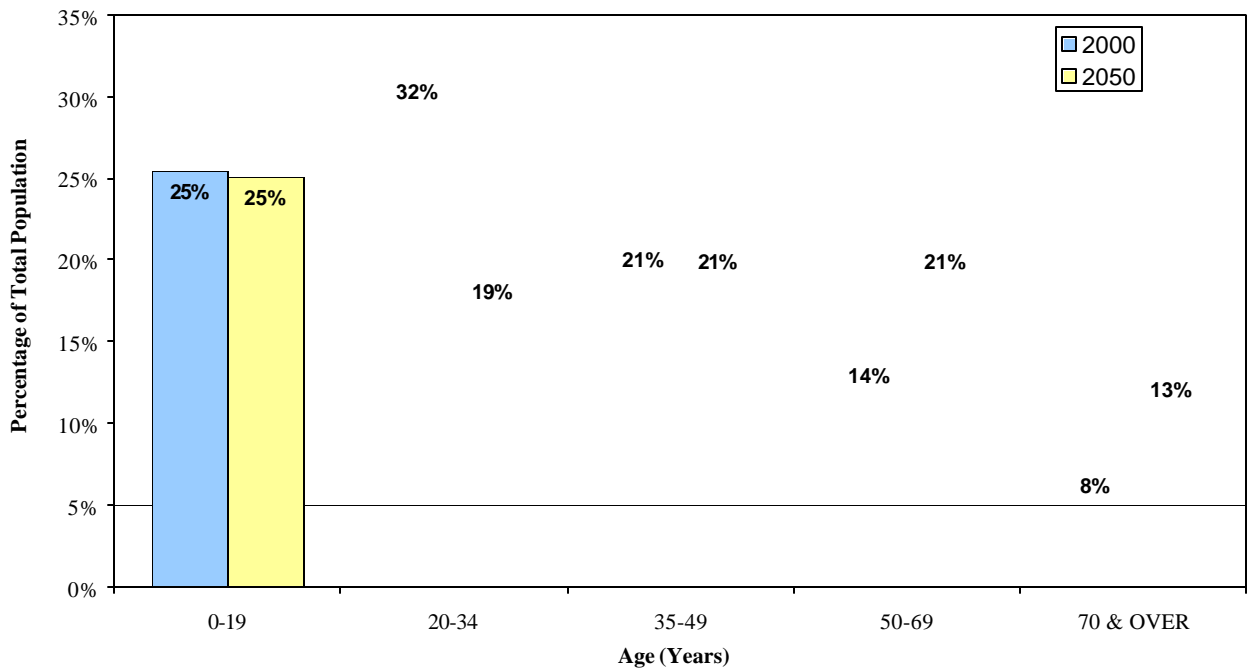
Fargo Population Forecast



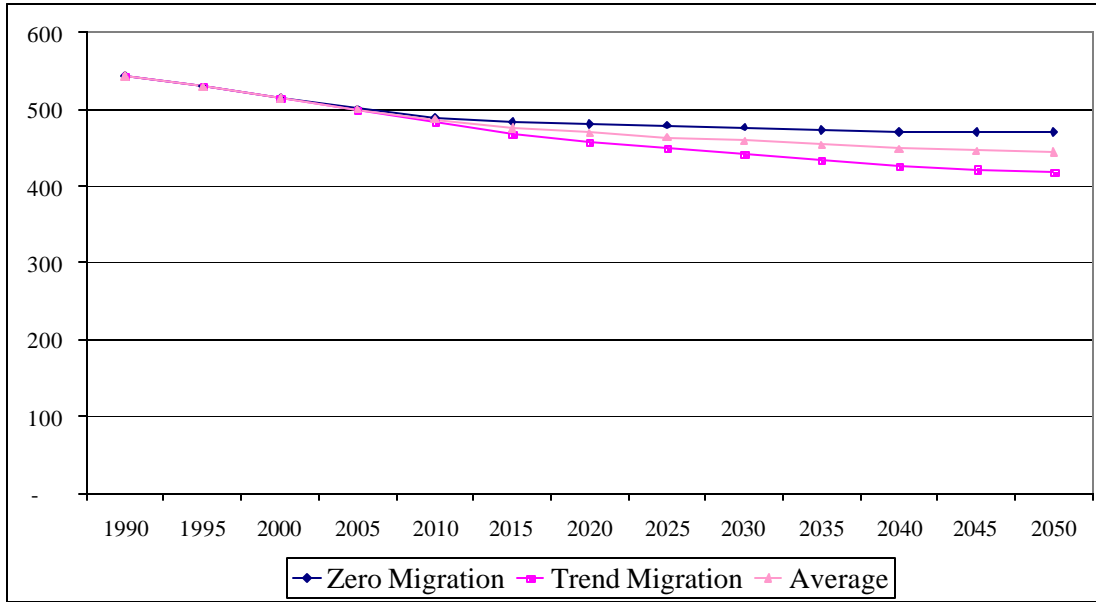
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	74,111	82,355	90,599	95,432	99,784	102,883	104,797	106,236	107,583	108,498	108,613	107,805	106,386
Trend Migration	74,111	82,355	90,599	101,179	113,336	125,755	138,755	150,023	161,526	170,315	178,676	184,972	190,743
Average	74,111	82,355	90,599	98,306	106,560	114,319	121,776	128,130	134,555	139,406	143,644	146,388	148,564

Population by Age Group, 2000 and 2050



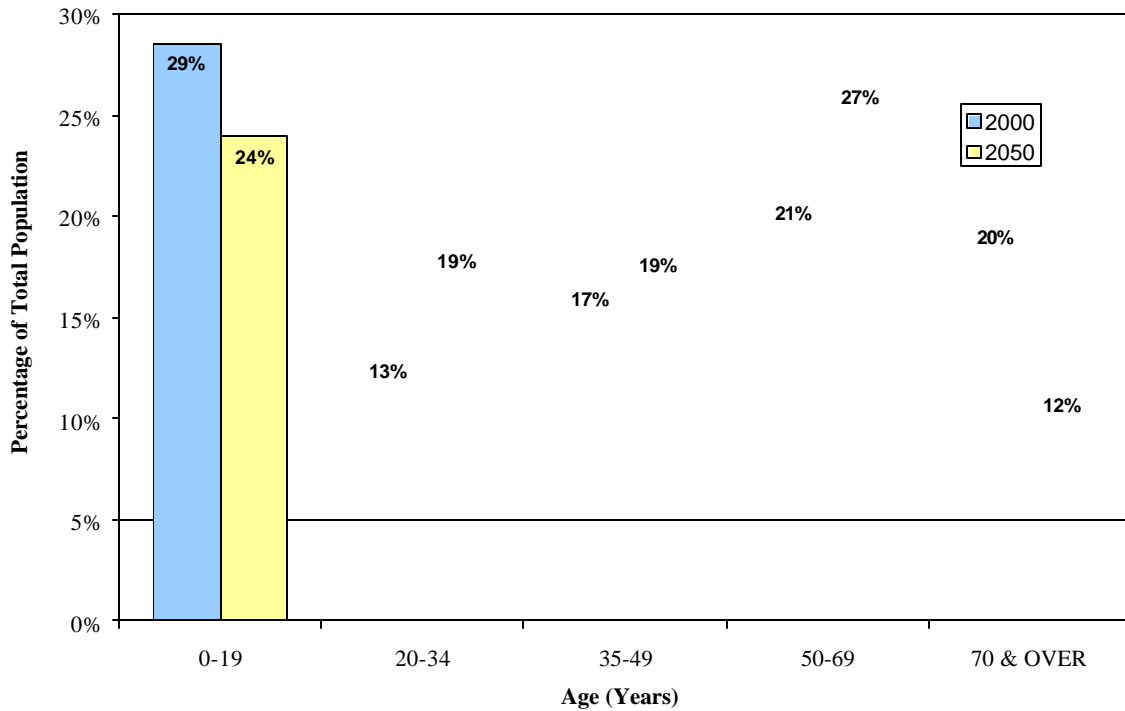
Finley Population Forecast



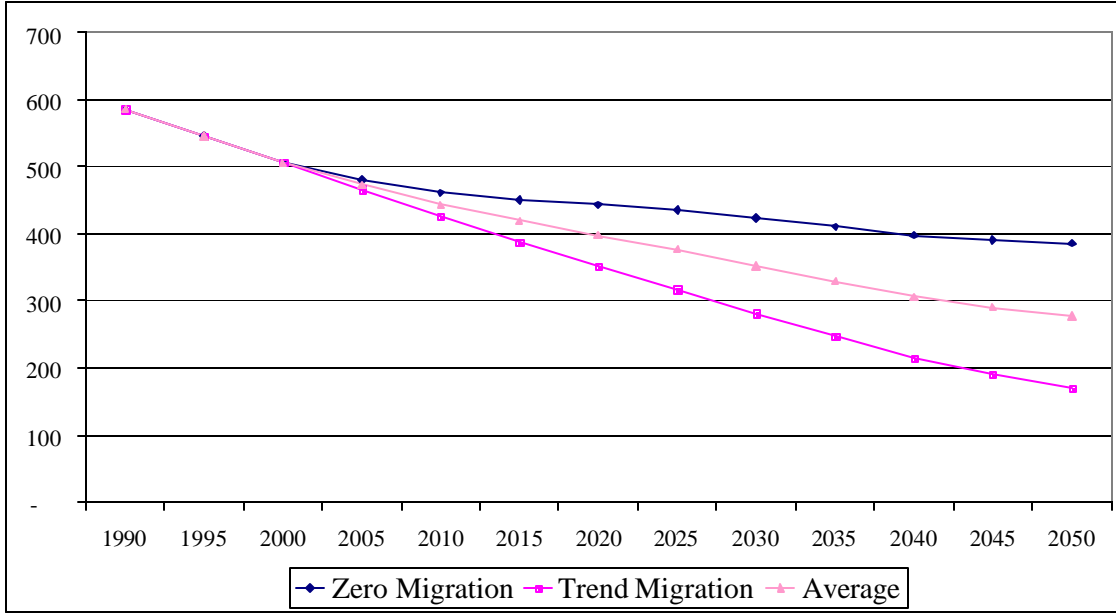
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	543	529	515	501	490	483	481	479	476	473	471	470	470
Trend Migration	543	529	515	499	483	468	457	448	441	434	427	422	418
Average	543	529	515	500	487	476	469	464	459	454	449	446	444

Population by Age Group, 2000 and 2050



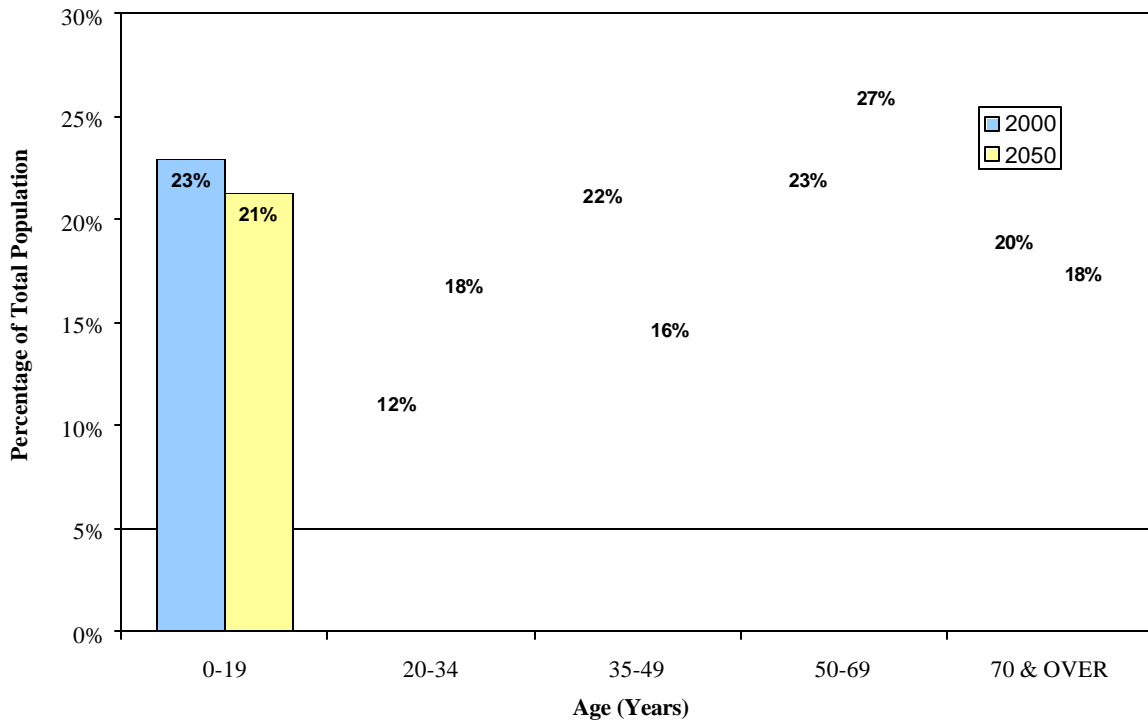
Forman Population Forecast



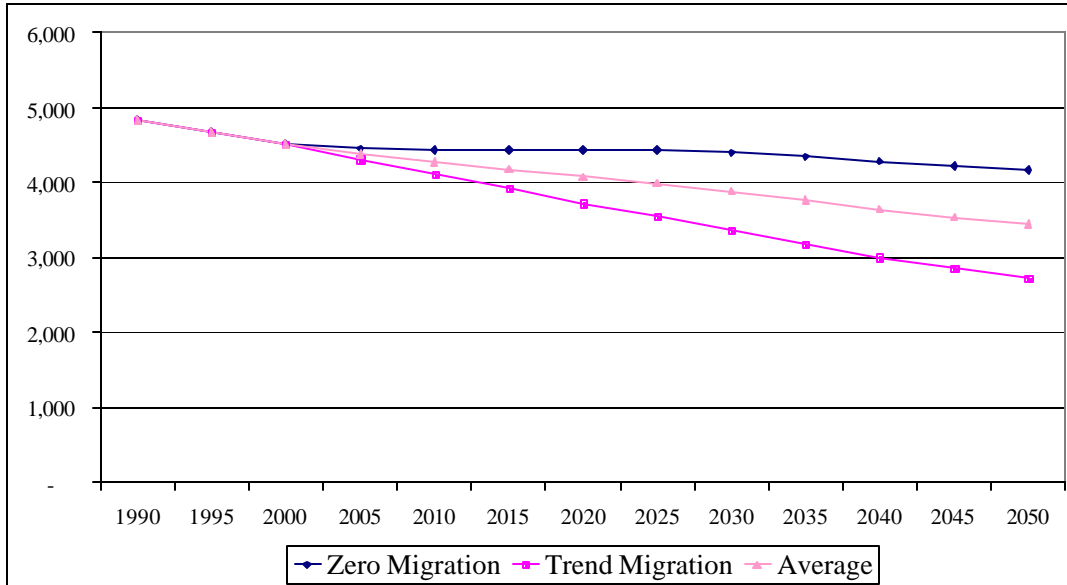
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	586	546	506	481	461	450	443	435	423	410	398	390	386
Trend Migration	586	546	506	466	426	388	352	318	281	248	215	190	169
Average	586	546	506	473	444	419	398	376	352	329	307	290	277

Population by Age Group, 2000 and 2050



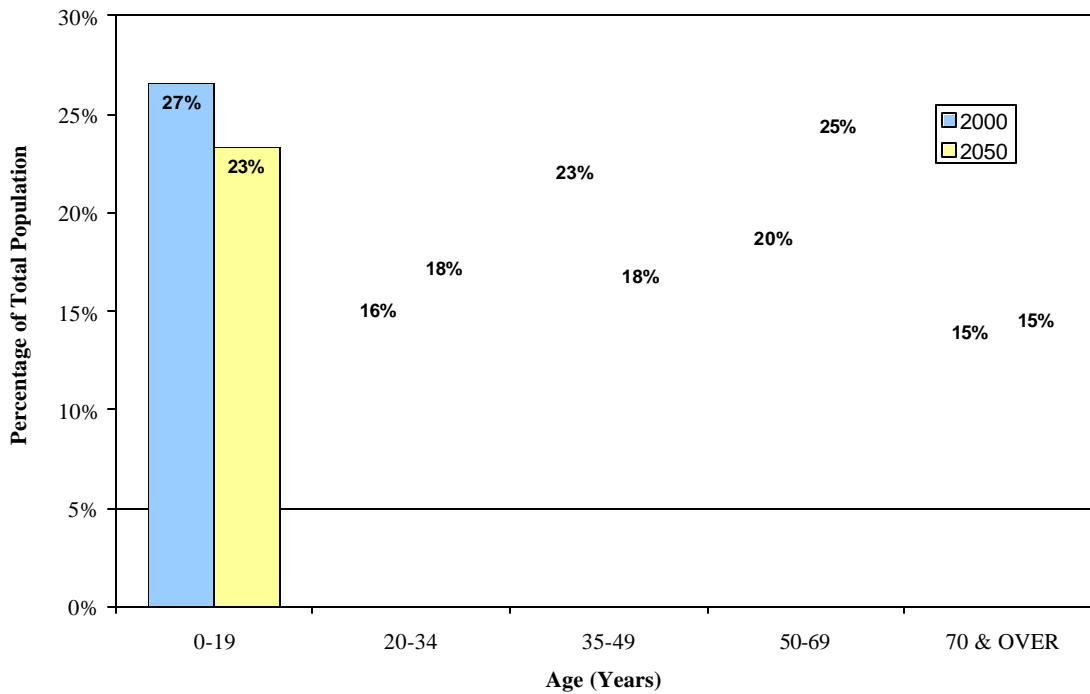
Grafton Population Forecast



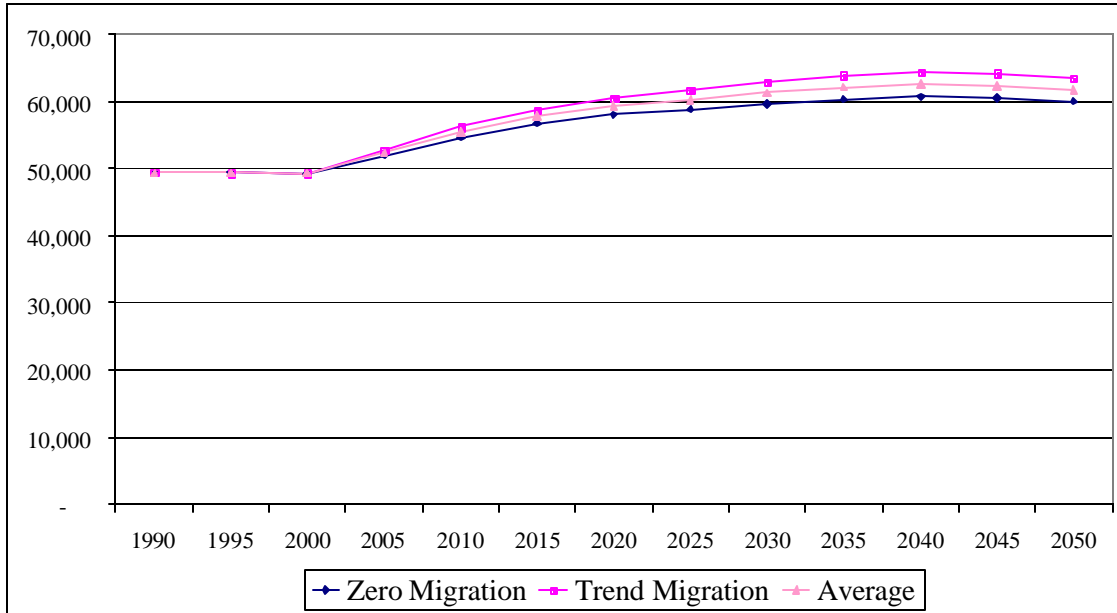
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	4,840	4,678	4,516	4,456	4,434	4,433	4,439	4,433	4,404	4,352	4,286	4,224	4,169
Trend Migration	4,840	4,678	4,516	4,314	4,112	3,922	3,725	3,547	3,357	3,181	3,004	2,852	2,722
Average	4,840	4,678	4,516	4,385	4,273	4,177	4,082	3,990	3,880	3,766	3,645	3,538	3,446

Population by Age Group, 2000 and 2050



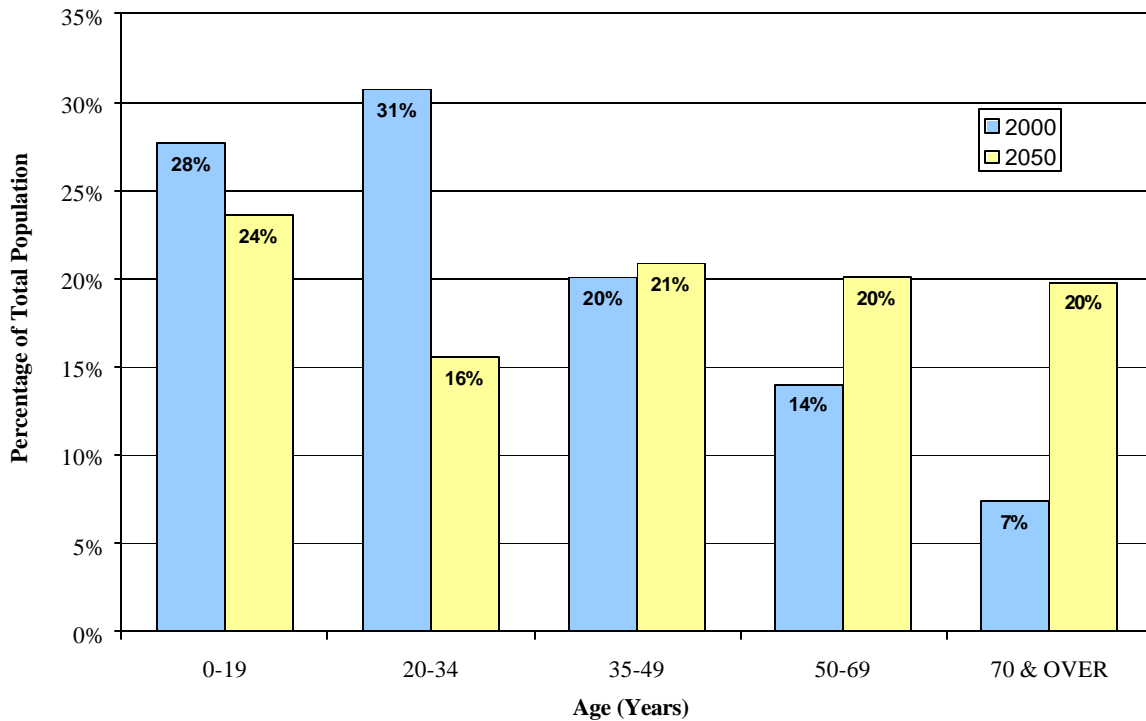
Grand Forks Population Forecast



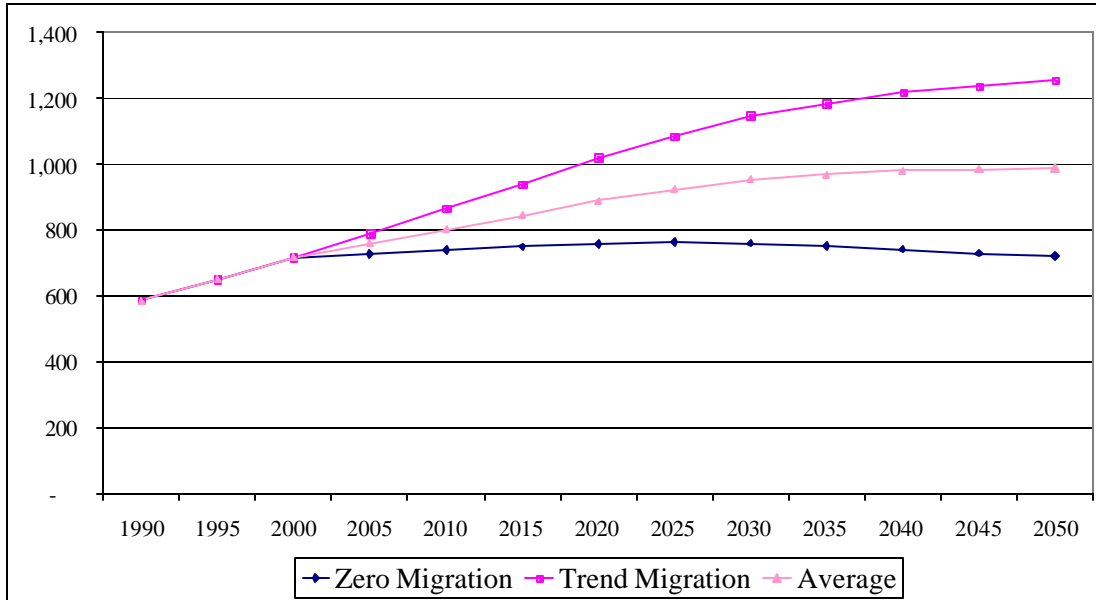
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	49,425	49,373	49,321	52,014	54,705	56,771	58,037	58,867	59,652	60,330	60,689	60,548	59,999
Trend Migration	49,425	49,373	49,321	52,764	56,207	58,820	60,572	61,754	62,964	63,897	64,465	64,218	63,471
Average	49,425	49,373	49,321	52,389	55,456	57,795	59,304	60,310	61,308	62,114	62,577	62,383	61,735

Population by Age Group, 2000 and 2050



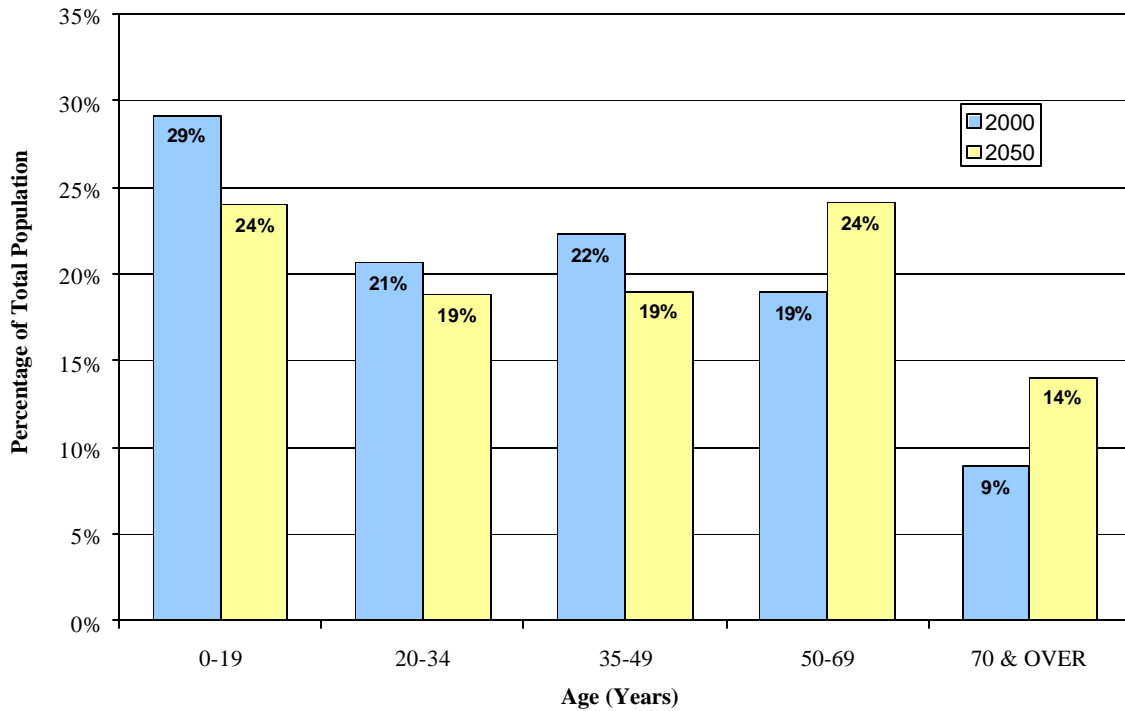
Gwinner Population Forecast



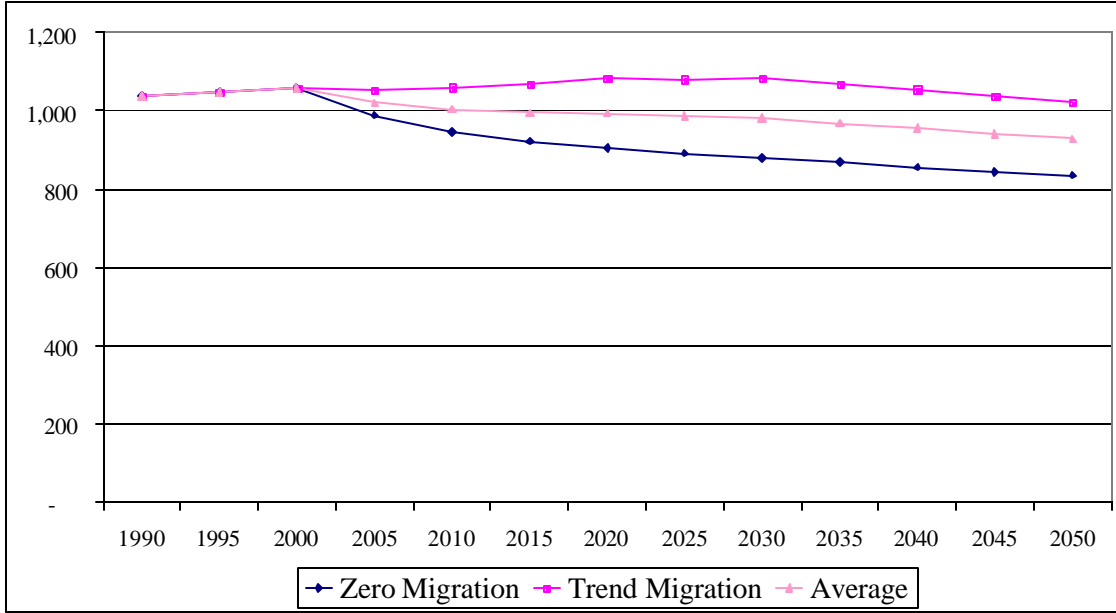
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	585	651	717	728	739	749	758	763	760	752	742	730	721
Trend Migration	585	651	717	789	867	940	1,020	1,083	1,148	1,184	1,219	1,237	1,254
Average	585	651	717	759	803	845	889	923	954	968	981	983	988

Population by Age Group, 2000 and 2050



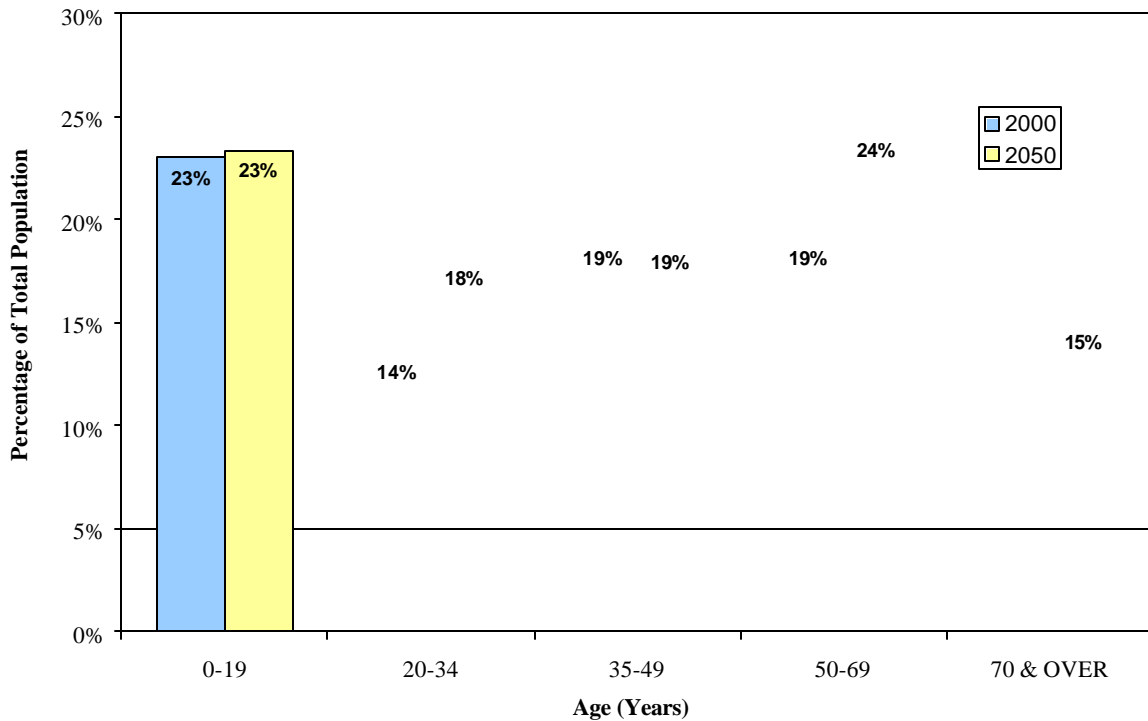
Hankinson Population Forecast



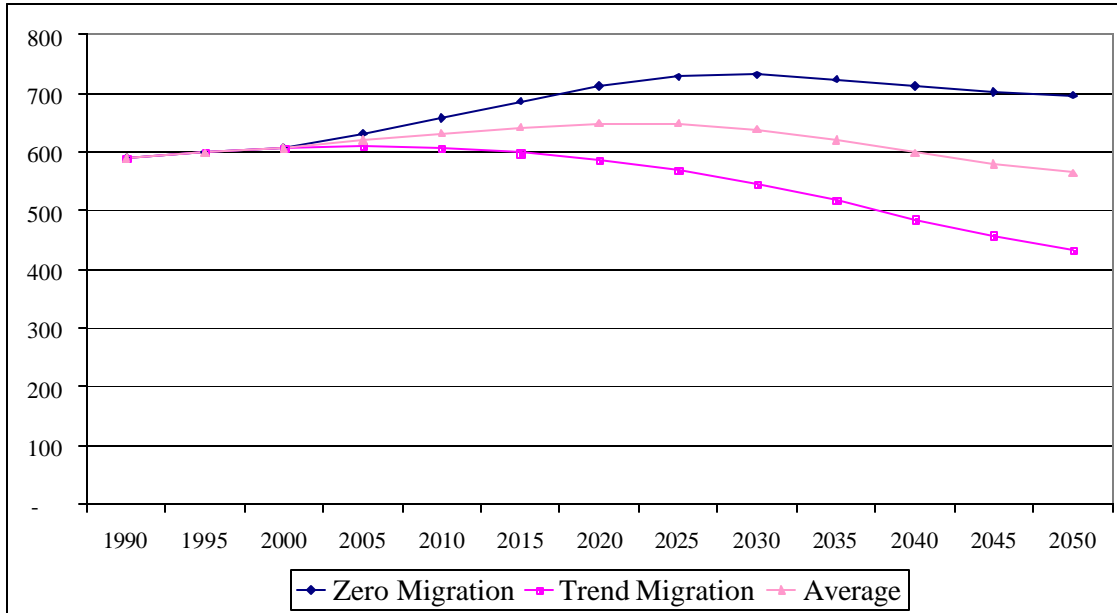
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,038	1,048	1,058	988	946	922	904	892	879	869	856	844	835
Trend Migration	1,038	1,048	1,058	1,053	1,060	1,069	1,082	1,081	1,083	1,069	1,055	1,037	1,023
Average	1,038	1,048	1,058	1,020	1,003	996	993	986	981	969	955	941	929

Population by Age Group, 2000 and 2050



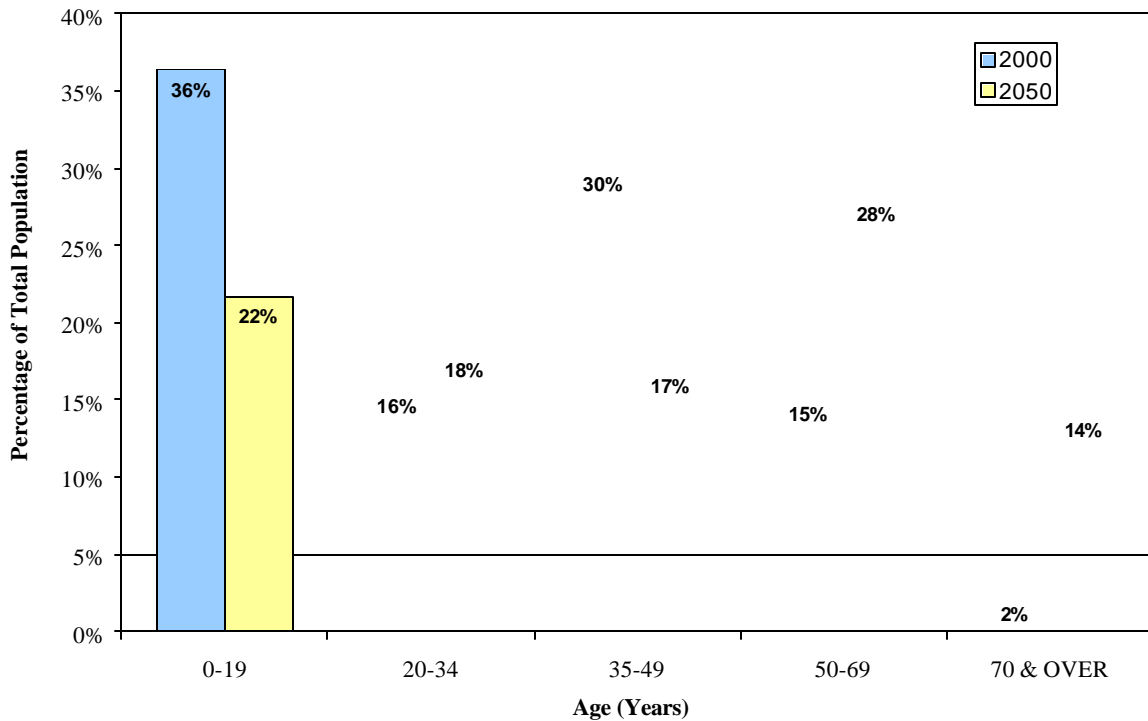
Harwood Population Forecast



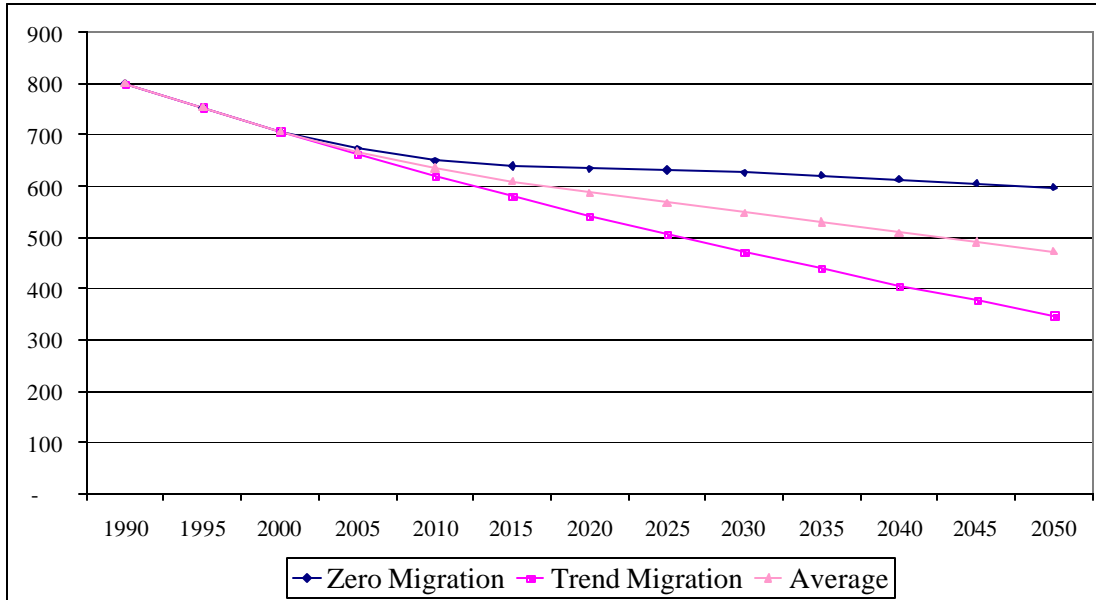
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	590	599	607	632	658	686	712	728	731	724	712	702	697
Trend Migration	590	599	607	610	606	598	585	570	546	517	486	458	433
Average	590	599	607	621	632	642	649	649	638	620	599	580	565

Population by Age Group, 2000 and 2050



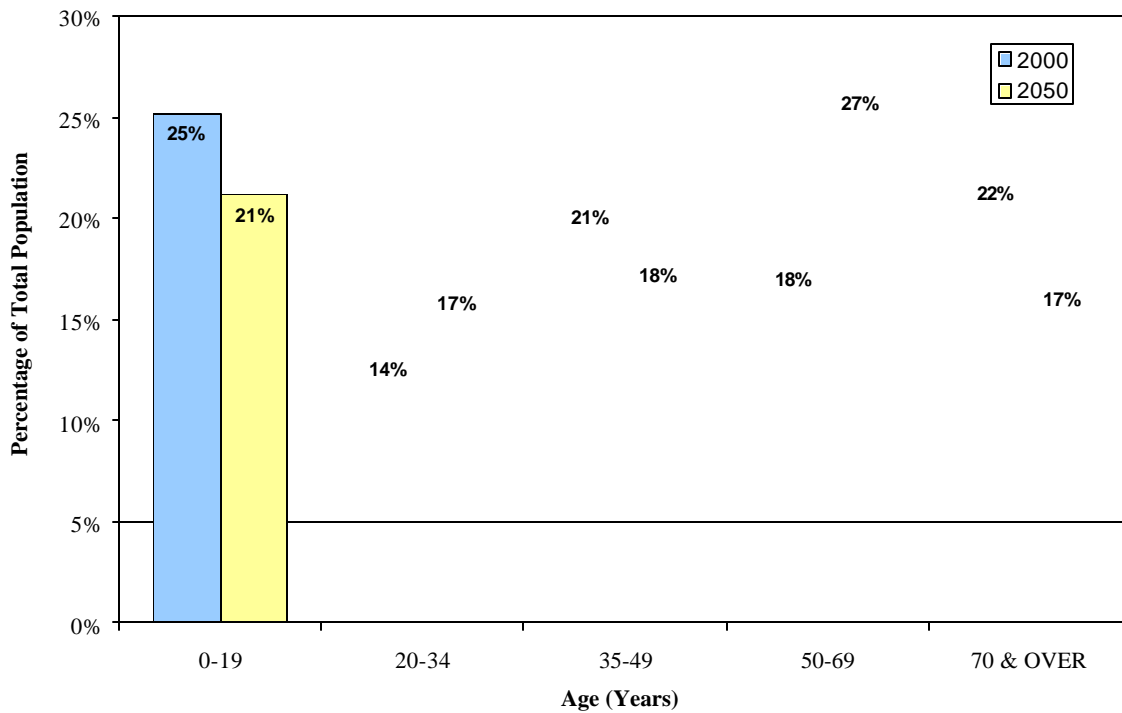
Hatton Population Forecast



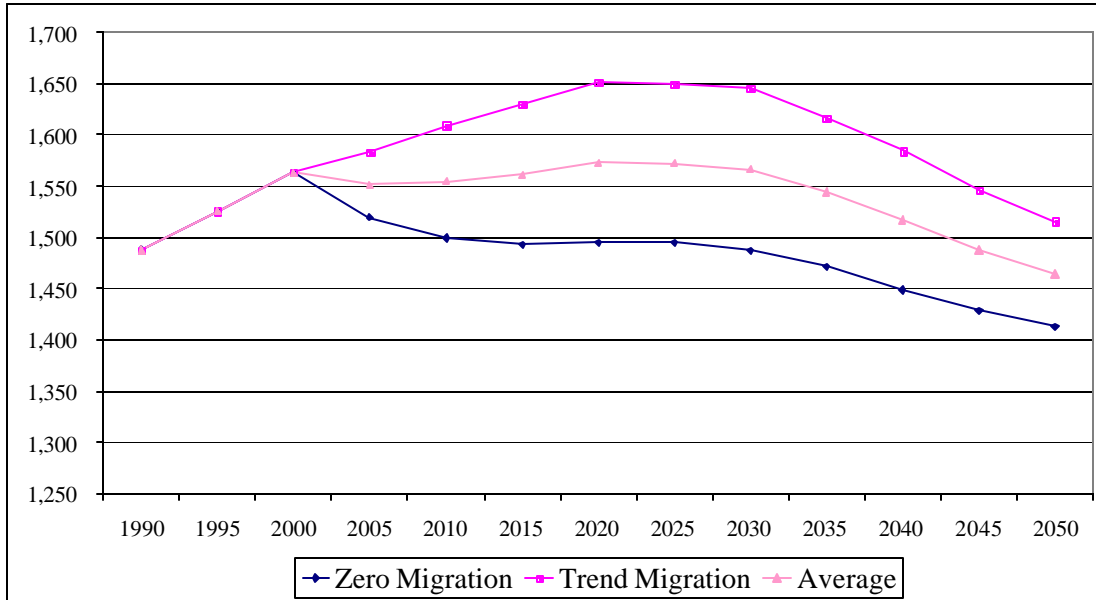
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	800	754	707	673	650	640	634	631	626	621	613	606	598
Trend Migration	800	754	707	662	619	580	540	505	470	438	406	376	348
Average	800	754	707	667	635	610	587	568	548	530	509	491	473

Population by Age Group, 2000 and 2050



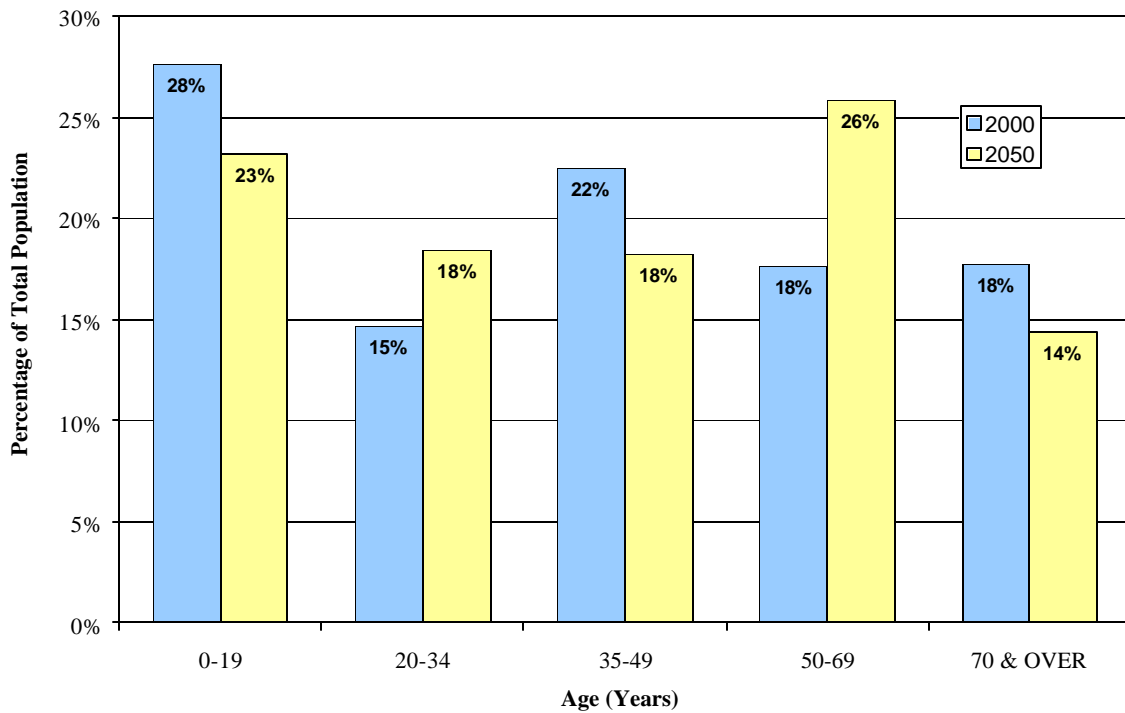
Hillsboro Population Forecast



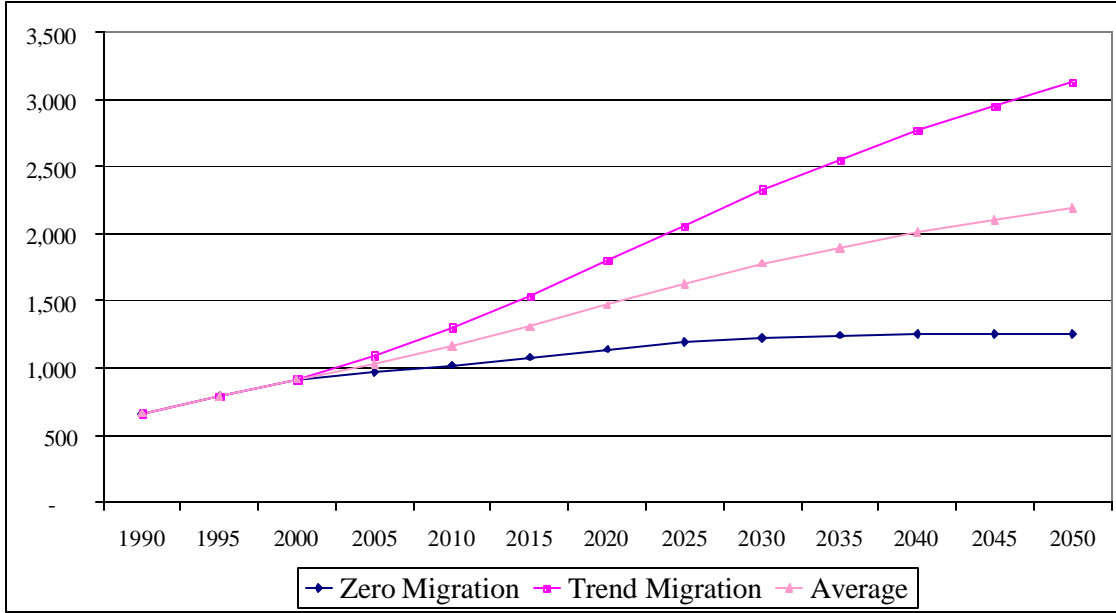
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,488	1,526	1,563	1,520	1,499	1,493	1,495	1,495	1,487	1,472	1,449	1,429	1,413
Trend Migration	1,488	1,526	1,563	1,583	1,609	1,629	1,651	1,650	1,646	1,617	1,584	1,546	1,516
Average	1,488	1,526	1,563	1,551	1,554	1,561	1,573	1,572	1,566	1,544	1,517	1,487	1,464

Population by Age Group, 2000 and 2050



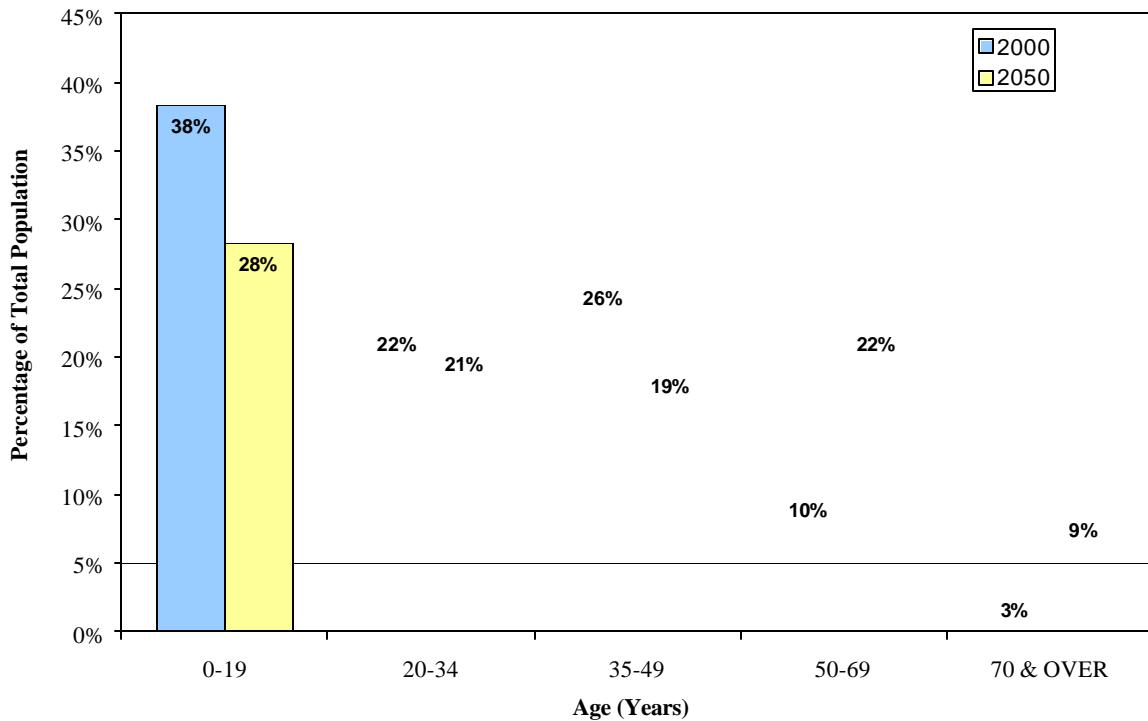
Horace Population Forecast



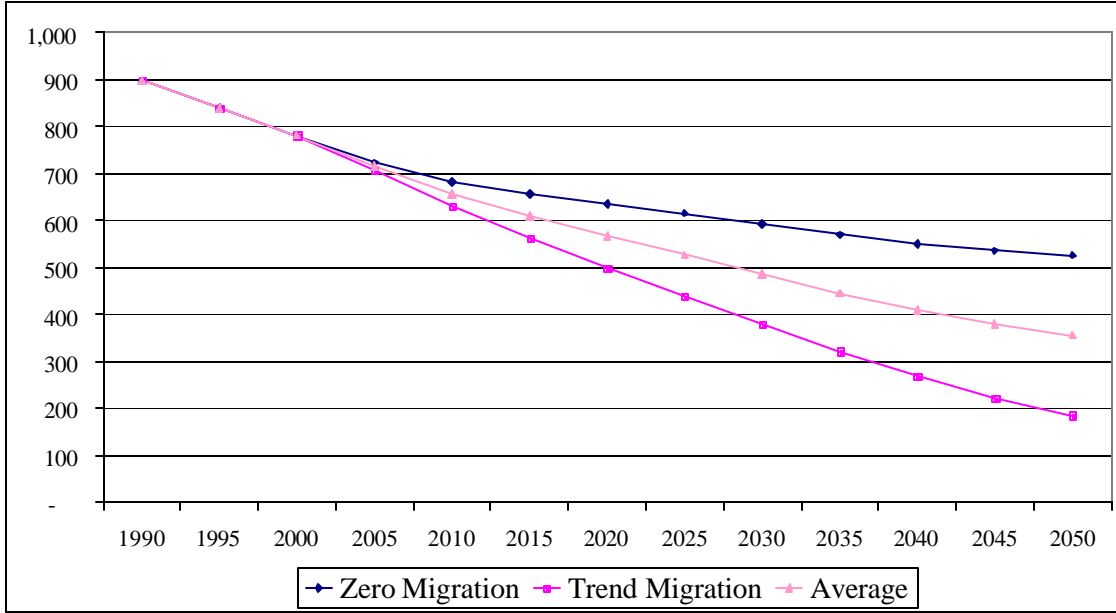
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	662	789	915	968	1,020	1,080	1,141	1,191	1,224	1,242	1,251	1,254	1,255
Trend Migration	662	789	915	1,093	1,304	1,534	1,806	2,056	2,333	2,549	2,776	2,956	3,132
Average	662	789	915	1,030	1,162	1,307	1,474	1,624	1,779	1,896	2,013	2,105	2,193

Population by Age Group, 2000 and 2050



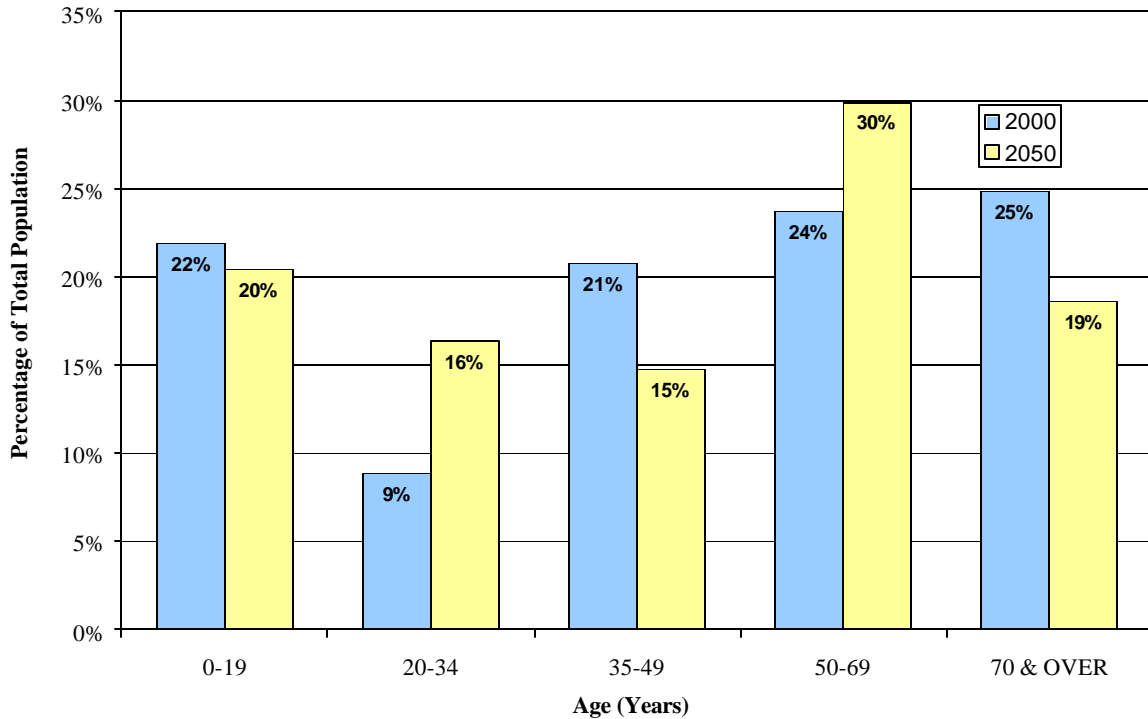
Lakota Population Forecast



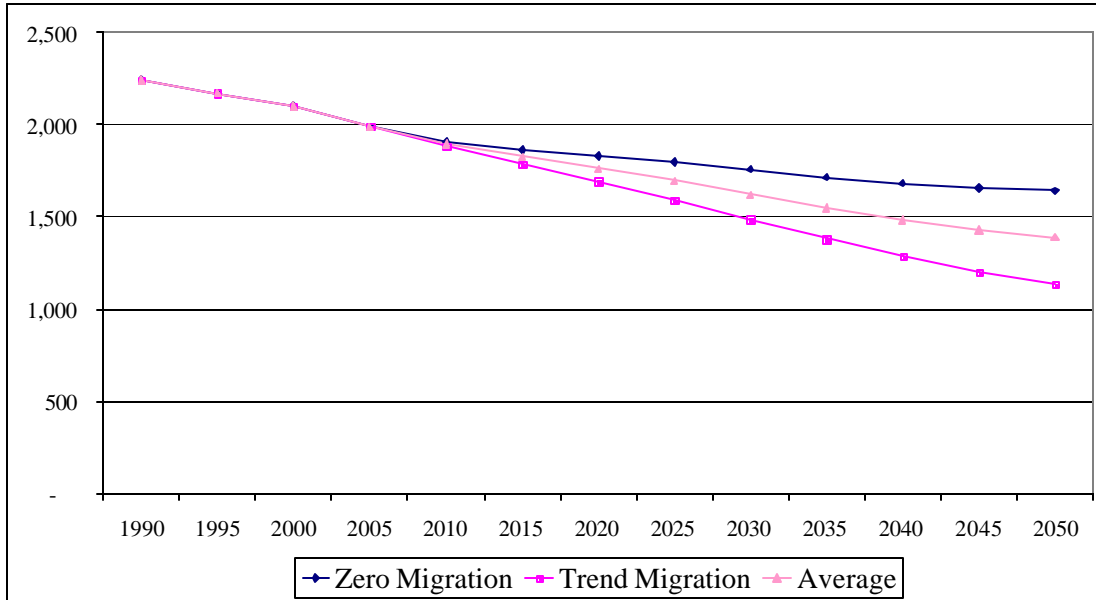
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	898	840	781	723	682	655	636	616	592	569	549	535	525
Trend Migration	898	840	781	706	631	563	499	438	378	321	267	222	185
Average	898	840	781	715	657	609	567	527	485	445	408	379	355

Population by Age Group, 2000 and 2050



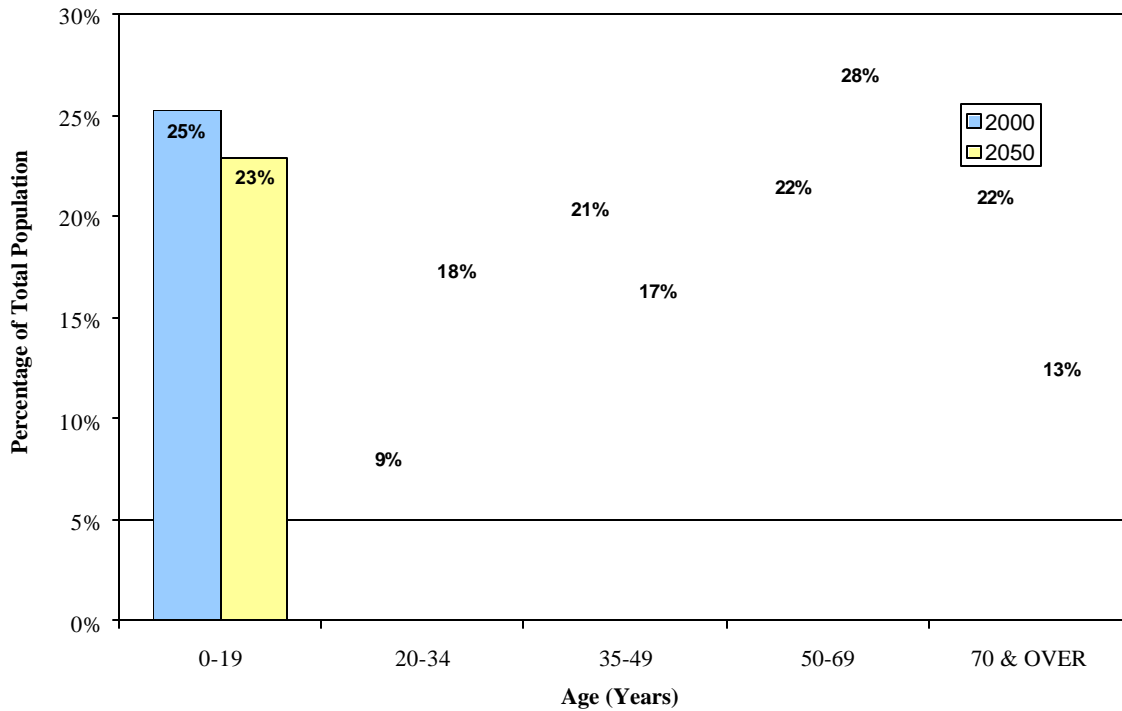
Langdon Population Forecast



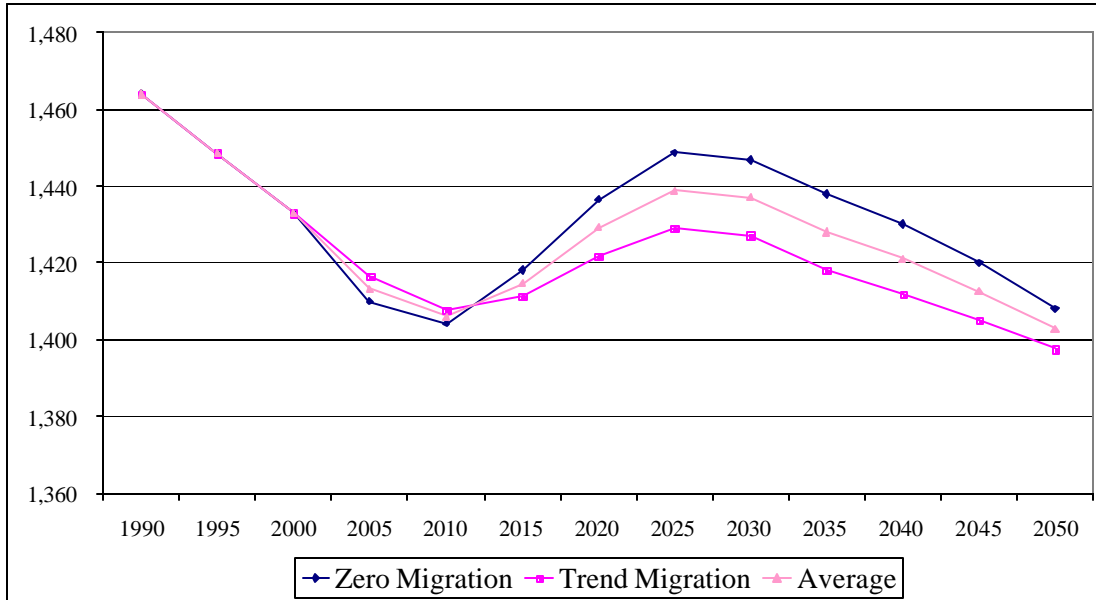
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	2,241	2,171	2,101	1,989	1,909	1,863	1,831	1,797	1,756	1,715	1,681	1,657	1,642
Trend Migration	2,241	2,171	2,101	1,990	1,883	1,786	1,692	1,591	1,486	1,380	1,284	1,202	1,137
Average	2,241	2,171	2,101	1,989	1,896	1,825	1,761	1,694	1,621	1,548	1,482	1,429	1,390

Population by Age Group, 2000 and 2050



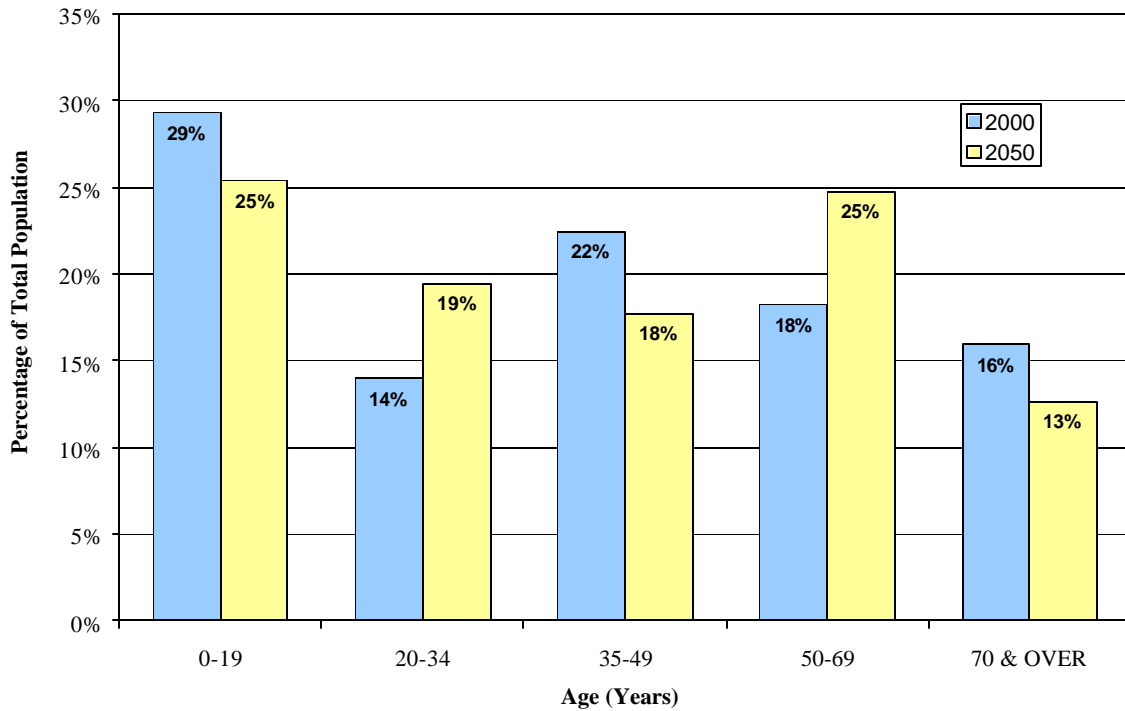
Larimore Population Forecast



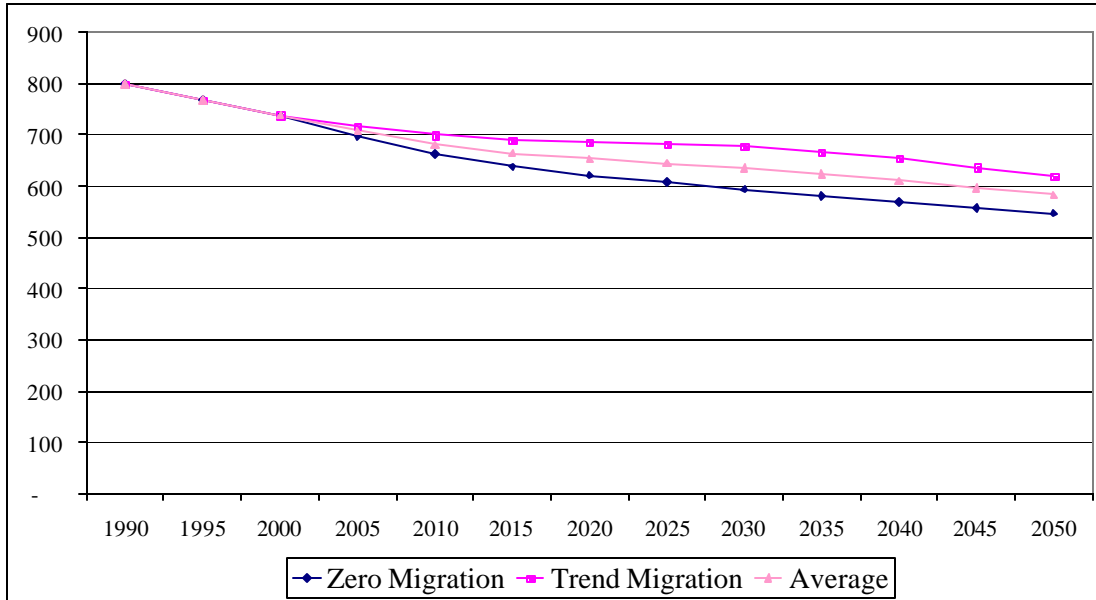
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,464	1,449	1,433	1,410	1,404	1,418	1,437	1,449	1,447	1,438	1,430	1,420	1,408
Trend Migration	1,464	1,449	1,433	1,417	1,408	1,411	1,422	1,429	1,427	1,418	1,412	1,405	1,398
Average	1,464	1,449	1,433	1,413	1,406	1,415	1,429	1,439	1,437	1,428	1,421	1,413	1,403

Population by Age Group, 2000 and 2050



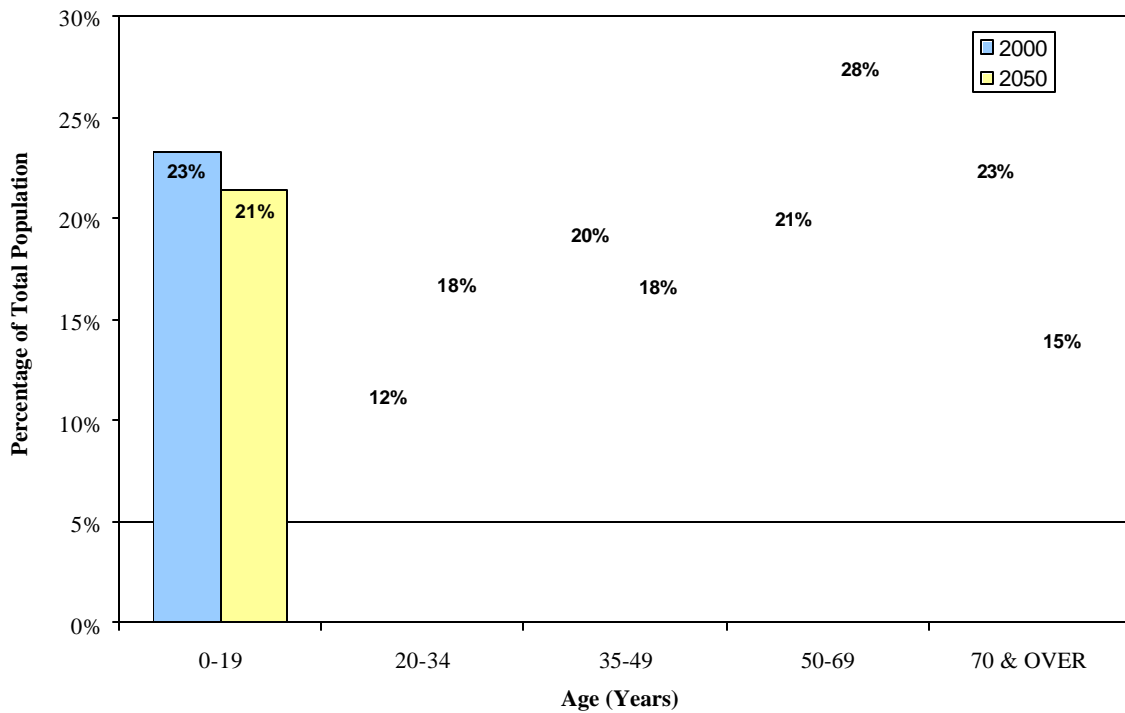
Lidgerwood Population Forecast



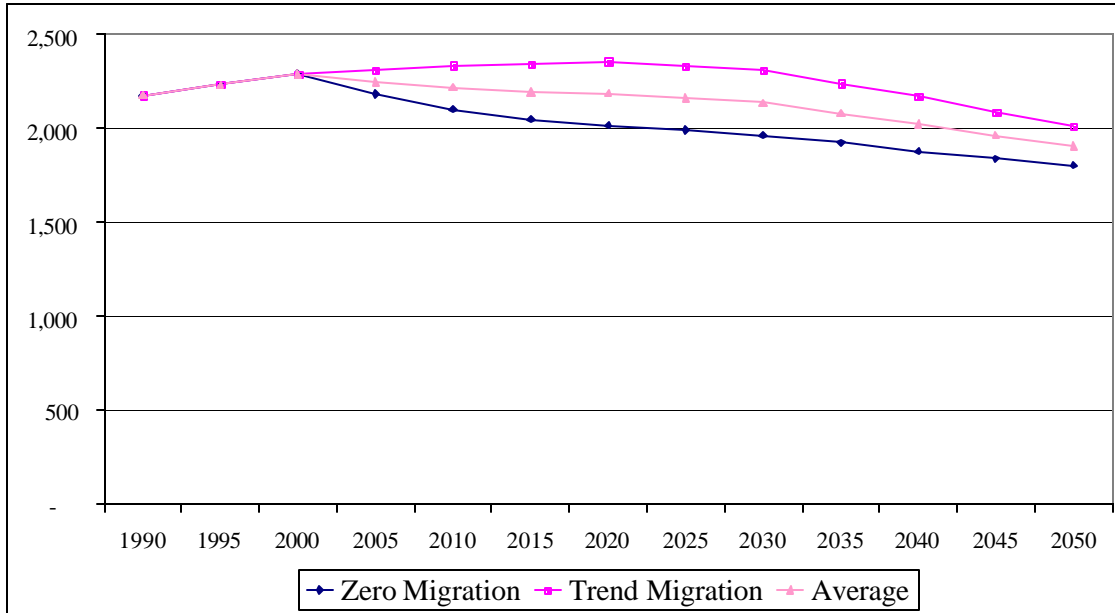
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	799	769	738	698	662	637	620	608	594	581	569	557	547
Trend Migration	799	769	738	717	700	690	686	682	677	666	653	637	619
Average	799	769	738	708	681	664	653	645	635	624	611	597	583

Population by Age Group, 2000 and 2050



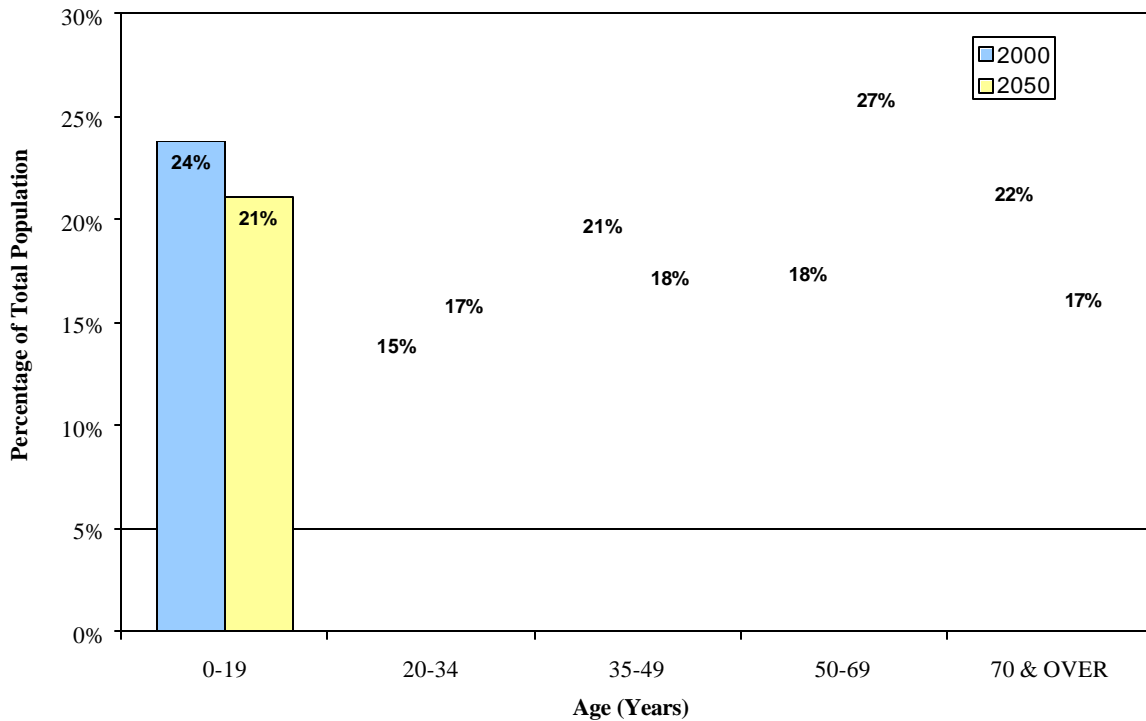
Lisbon Population Forecast



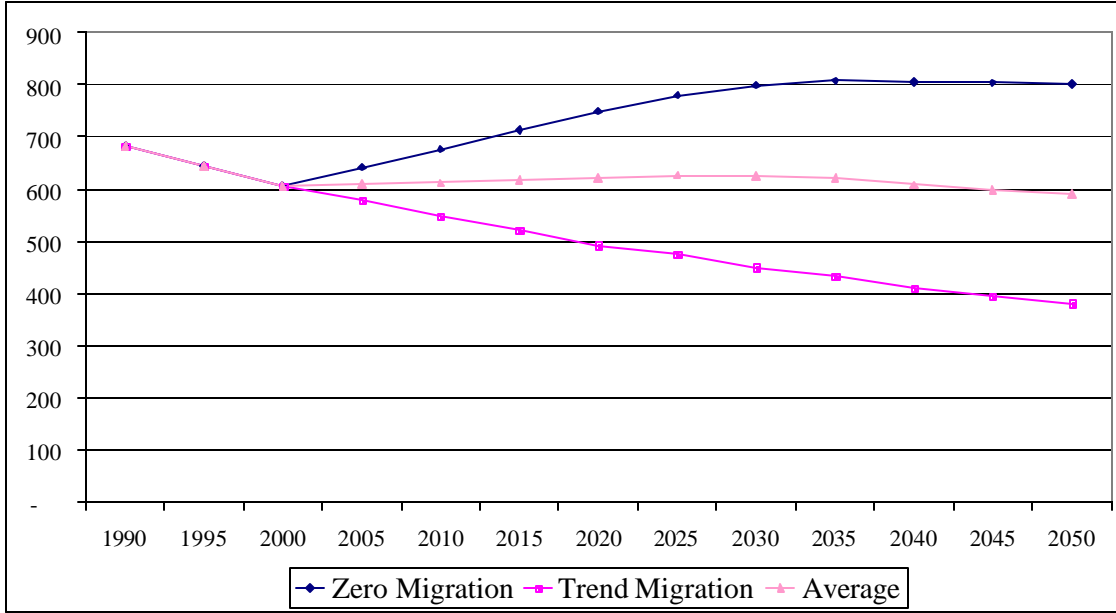
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	2,177	2,235	2,292	2,184	2,102	2,049	2,018	1,993	1,962	1,923	1,879	1,839	1,804
Trend Migration	2,177	2,235	2,292	2,314	2,335	2,342	2,357	2,335	2,310	2,239	2,169	2,087	2,013
Average	2,177	2,235	2,292	2,249	2,219	2,196	2,187	2,164	2,136	2,081	2,024	1,963	1,909

Population by Age Group, 2000 and 2050



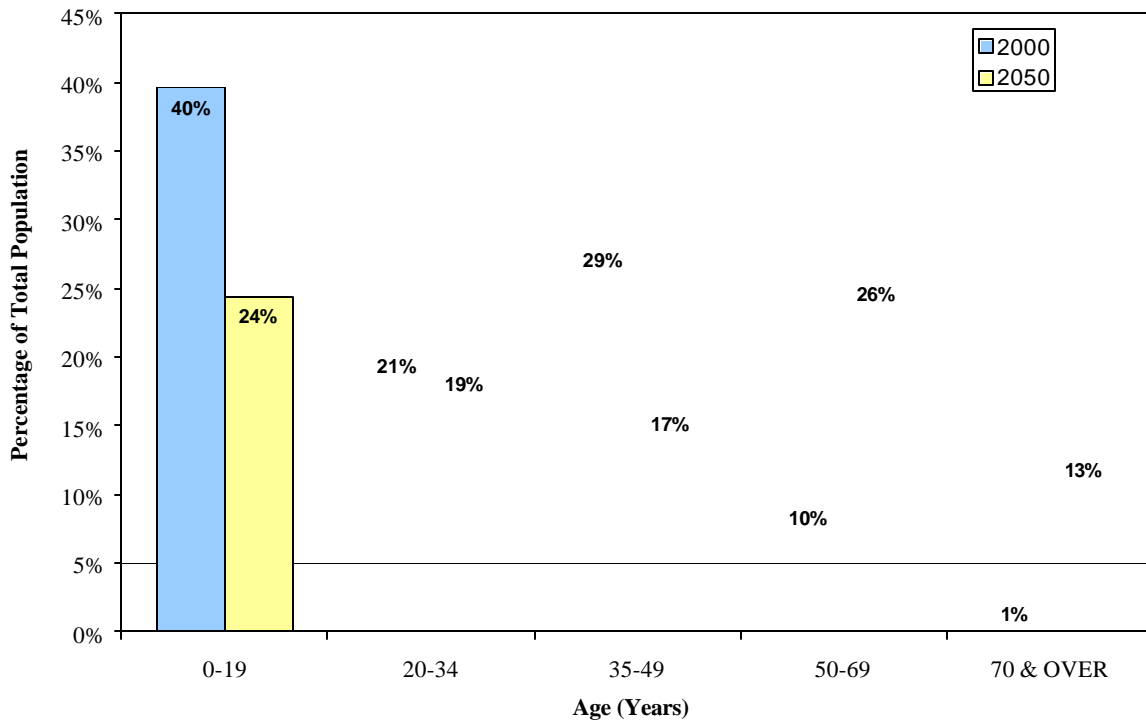
Mapleton Population Forecast



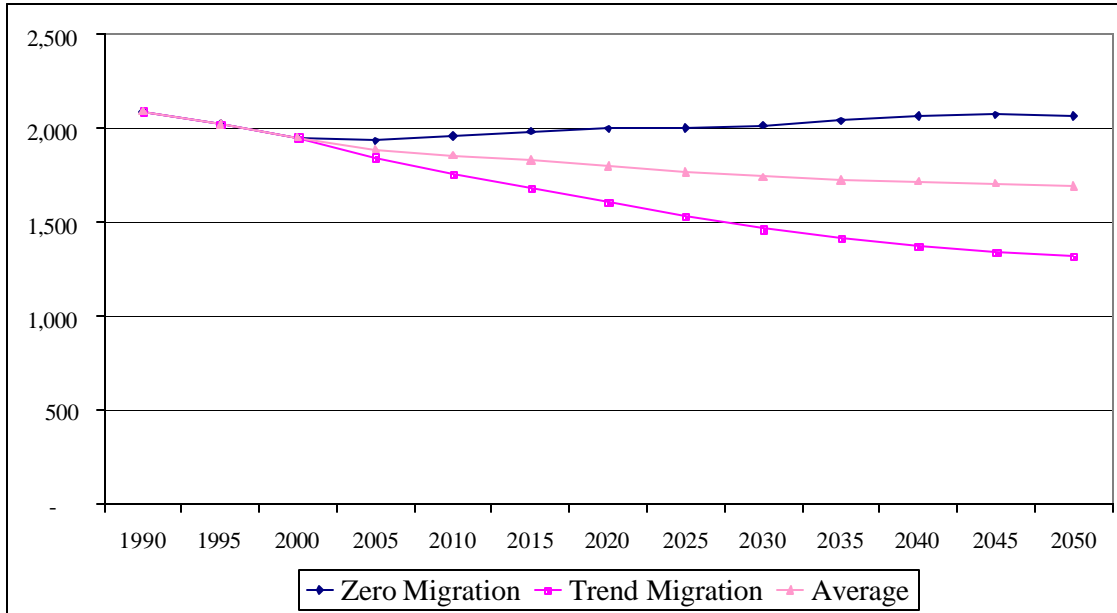
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	682	644	606	642	676	713	749	779	799	807	806	803	801
Trend Migration	682	644	606	578	547	521	492	474	451	434	411	394	381
Average	682	644	606	610	612	617	621	627	625	621	608	599	591

Population by Age Group, 2000 and 2050



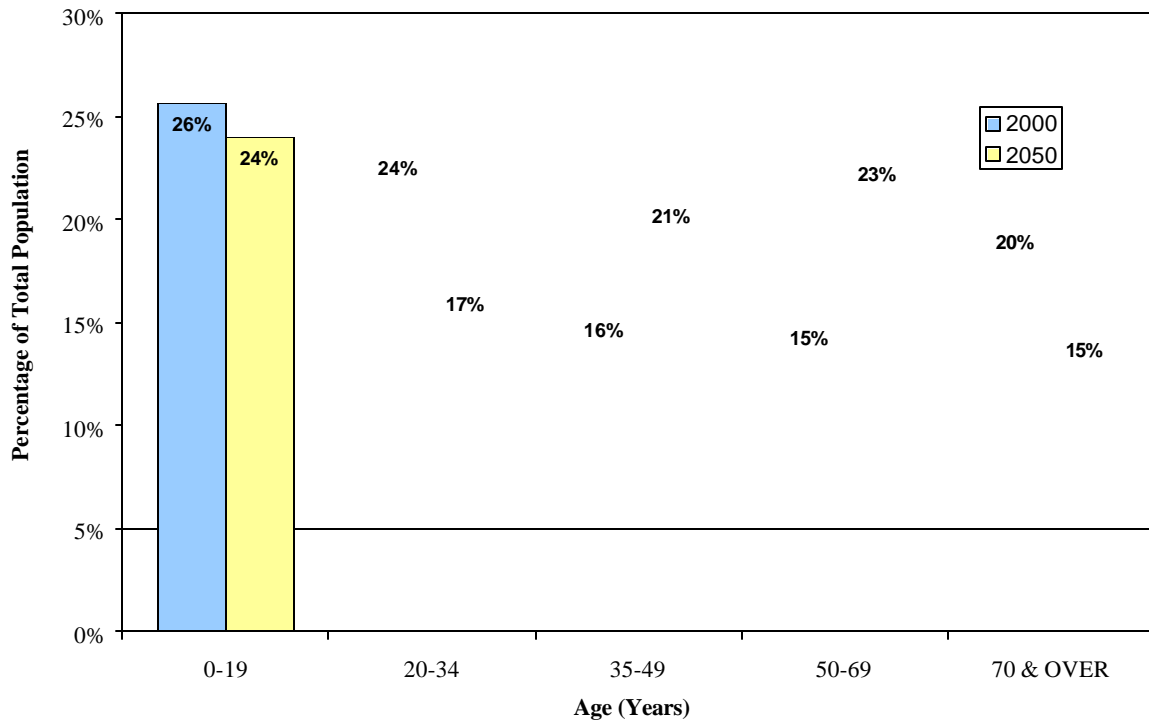
Mayville Population Forecast



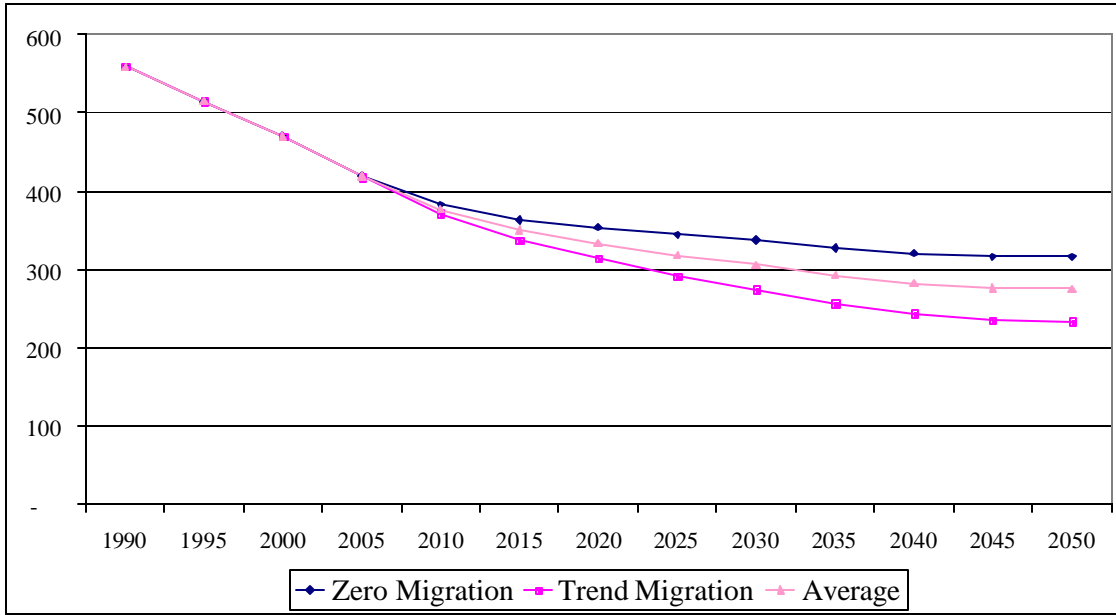
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	2,092	2,023	1,953	1,935	1,960	1,986	1,998	2,003	2,019	2,042	2,064	2,072	2,066
Trend Migration	2,092	2,023	1,953	1,845	1,755	1,681	1,605	1,535	1,465	1,413	1,372	1,342	1,319
Average	2,092	2,023	1,953	1,890	1,857	1,833	1,802	1,769	1,742	1,728	1,718	1,707	1,692

Population by Age Group, 2000 and 2050



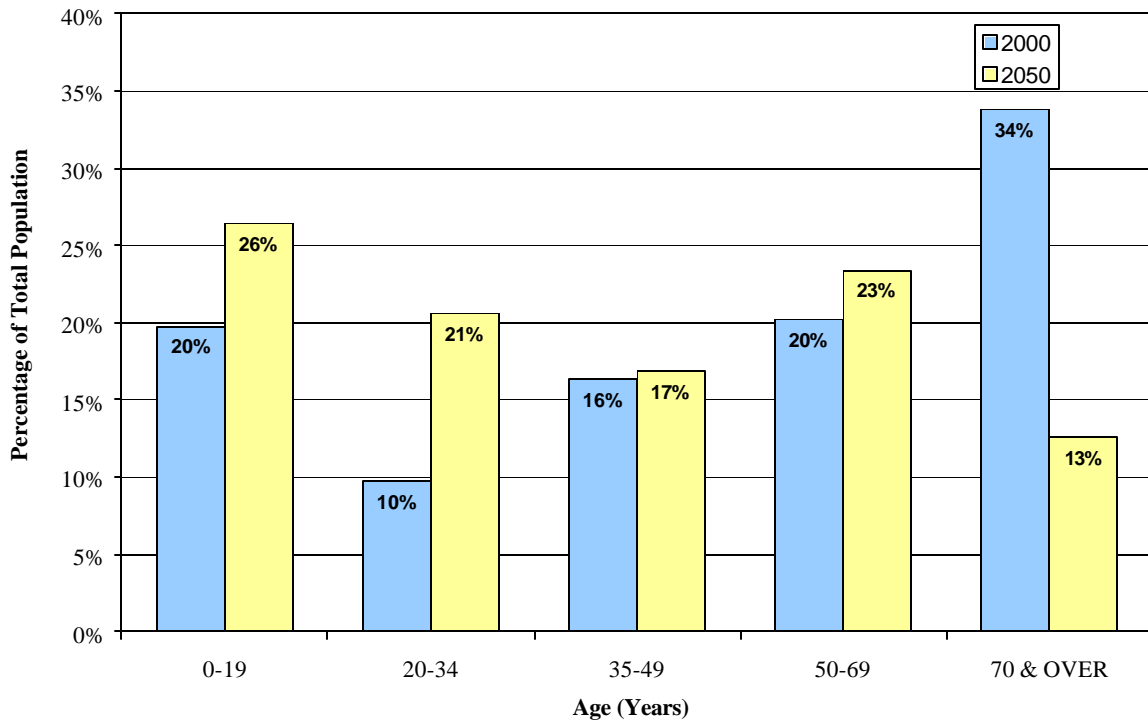
McVille Population Forecast



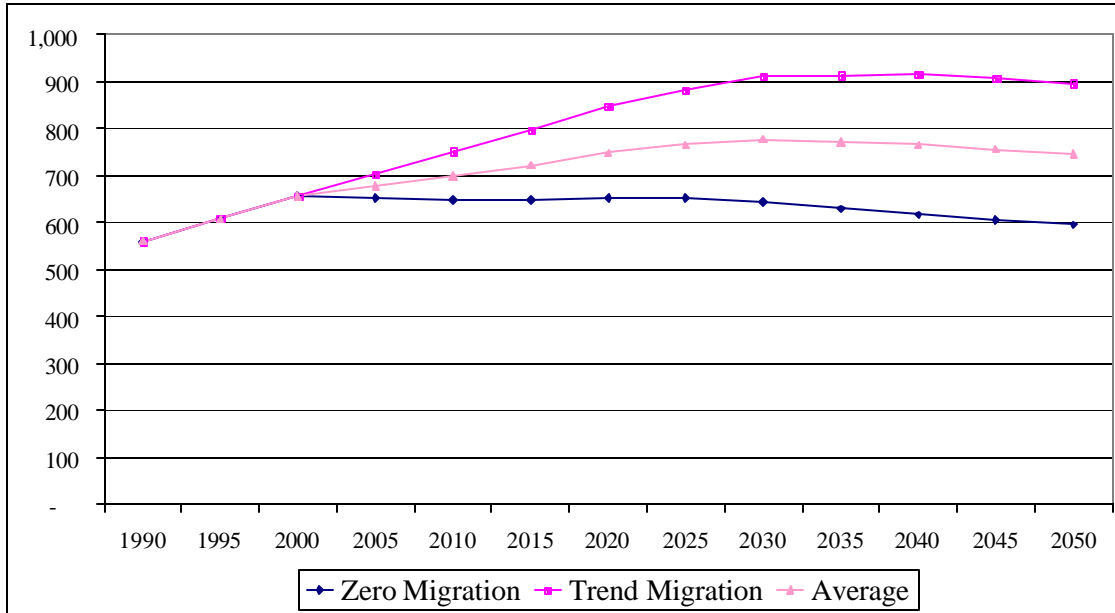
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	559	515	470	419	382	363	354	345	337	328	320	317	316
Trend Migration	559	515	470	418	372	337	313	292	274	257	244	236	234
Average	559	515	470	419	377	350	334	318	306	292	282	276	275

Population by Age Group, 2000 and 2050



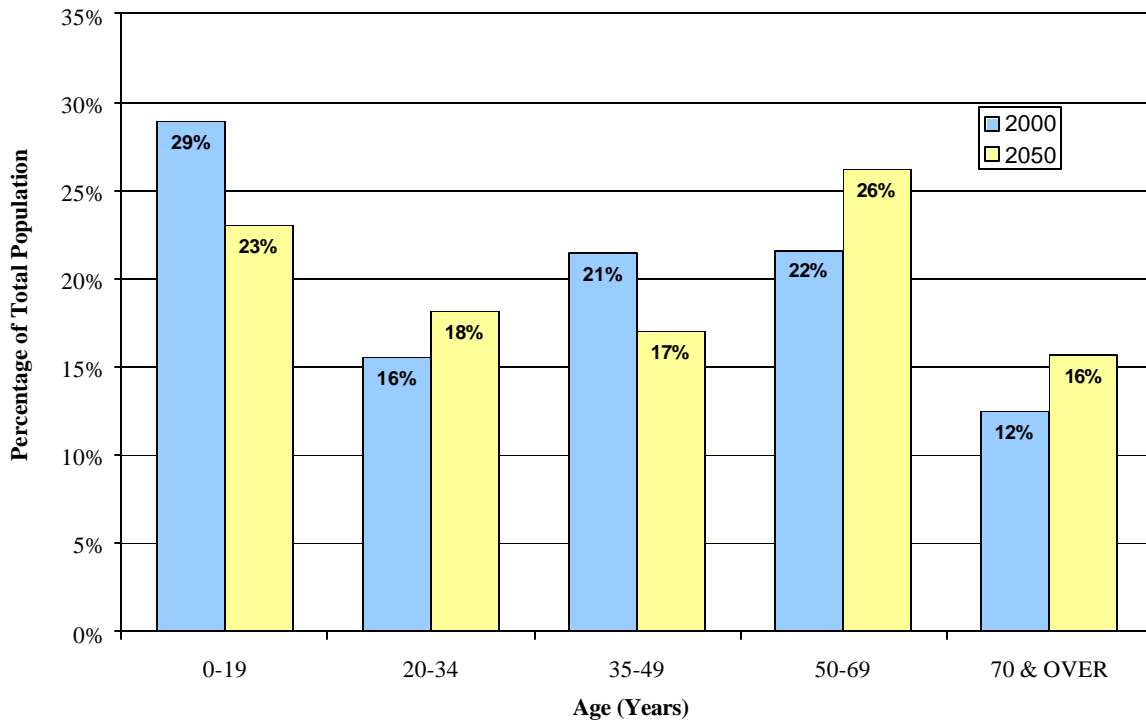
Minto Population Forecast



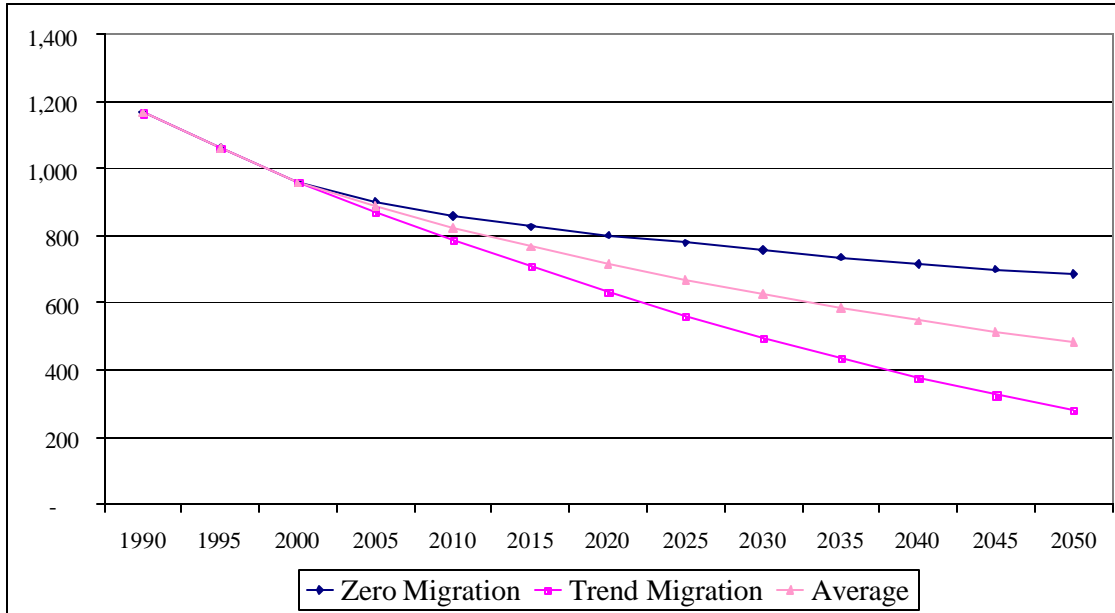
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	560	609	657	652	648	648	651	651	643	629	616	605	595
Trend Migration	560	609	657	704	751	796	846	881	910	913	916	906	896
Average	560	609	657	678	700	722	749	766	776	771	766	755	746

Population by Age Group, 2000 and 2050



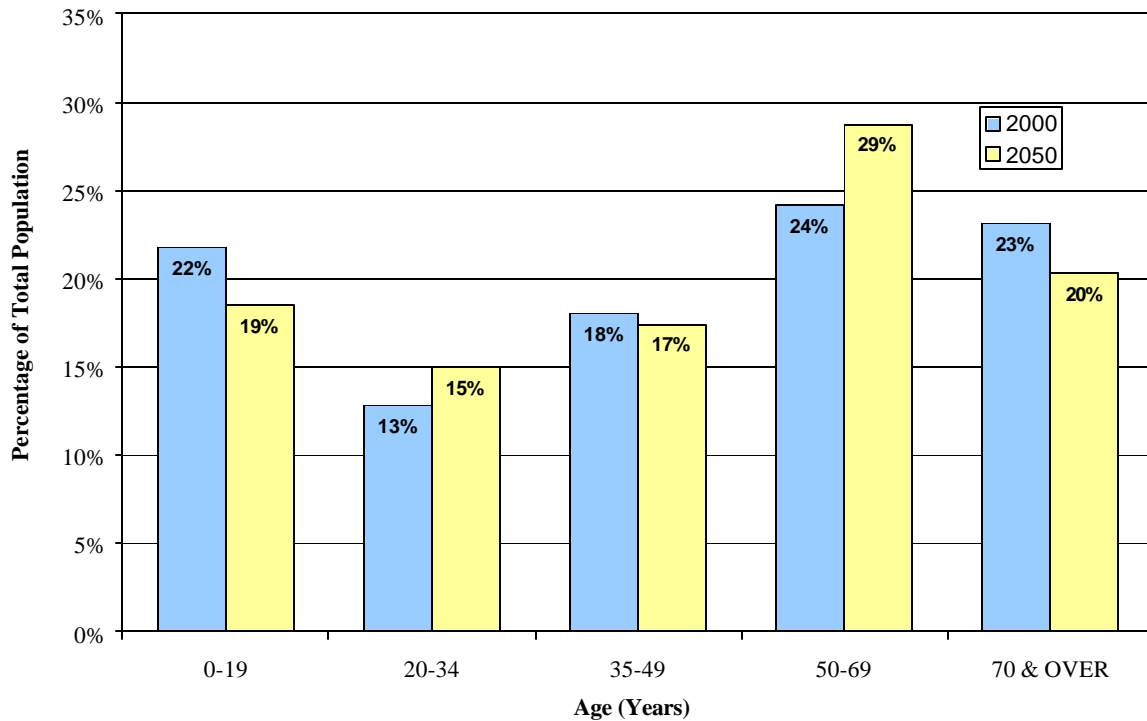
Northwood Population Forecast



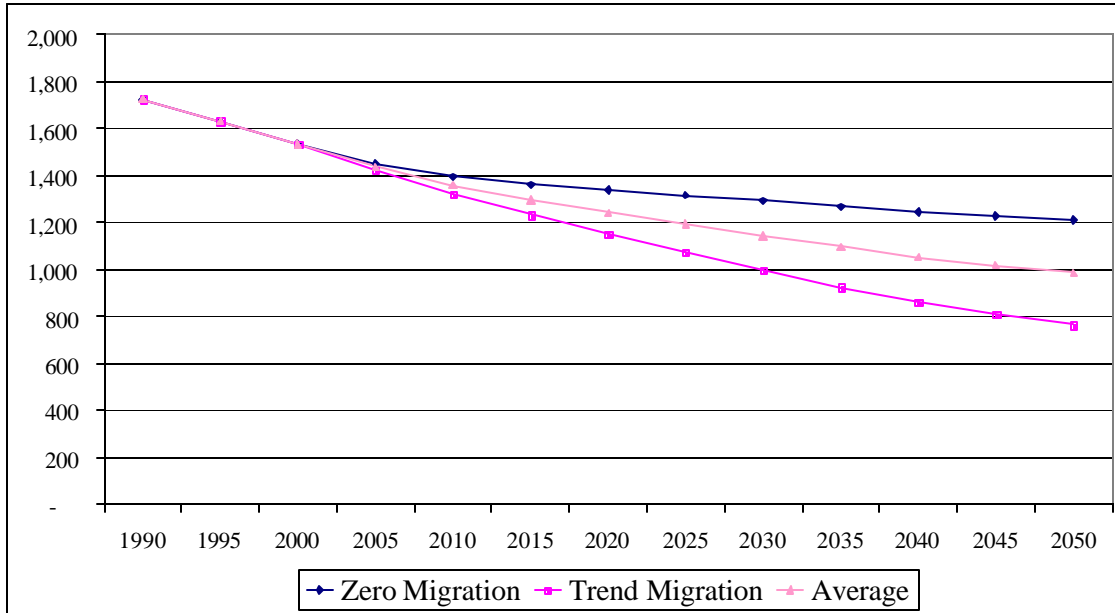
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,166	1,063	959	903	859	826	802	779	758	735	717	700	686
Trend Migration	1,166	1,063	959	873	788	708	631	561	495	433	377	326	280
Average	1,166	1,063	959	888	823	767	717	670	626	584	547	513	483

Population by Age Group, 2000 and 2050



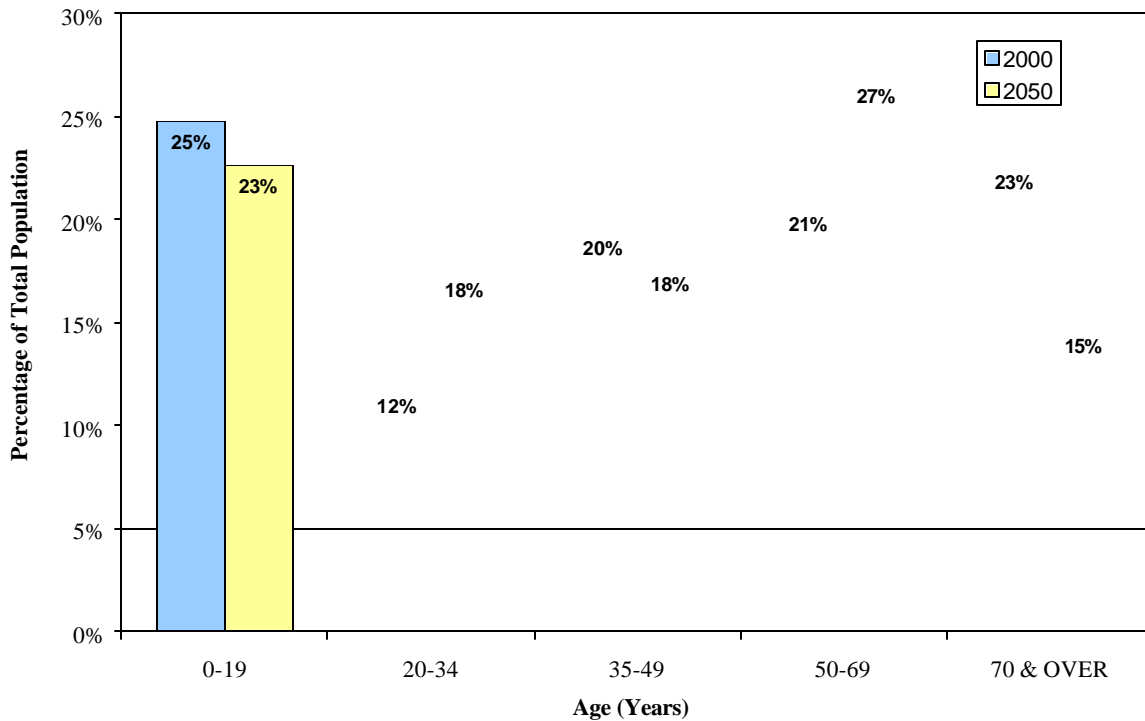
Park River Population Forecast



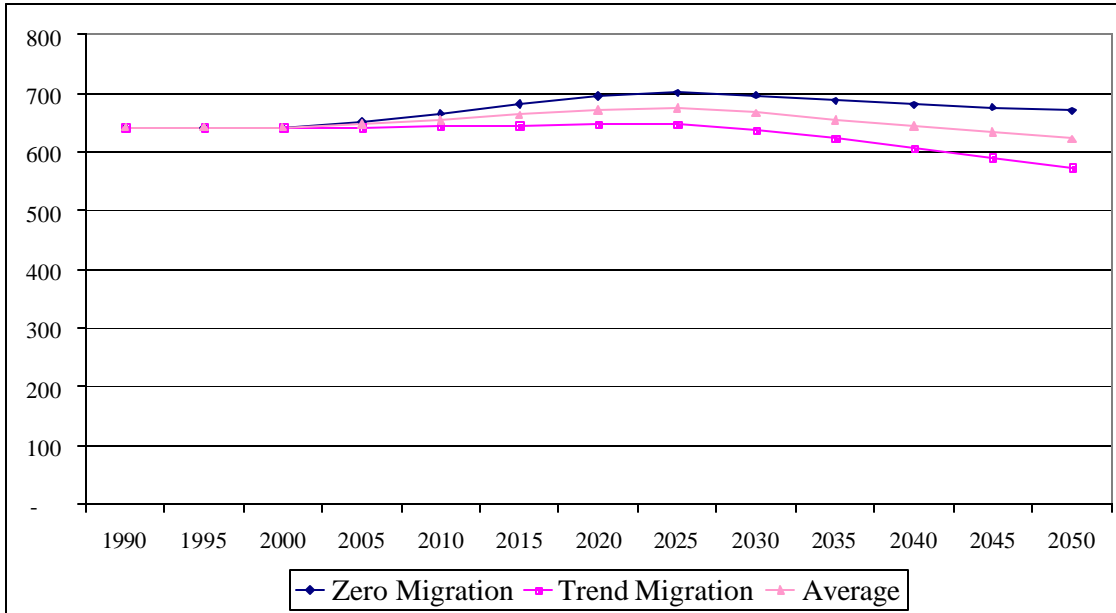
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,725	1,630	1,535	1,452	1,394	1,361	1,337	1,316	1,292	1,268	1,245	1,226	1,210
Trend Migration	1,725	1,630	1,535	1,425	1,321	1,232	1,147	1,070	994	923	859	807	763
Average	1,725	1,630	1,535	1,438	1,357	1,296	1,242	1,193	1,143	1,095	1,052	1,016	987

Population by Age Group, 2000 and 2050



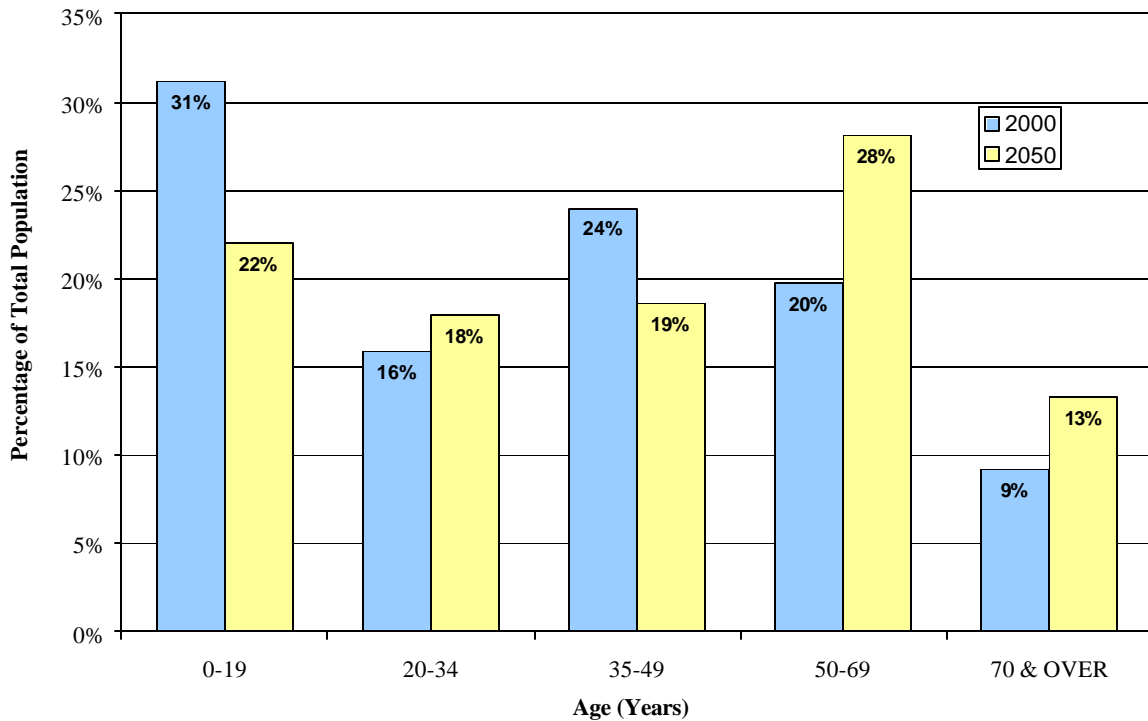
Pembina Population Forecast



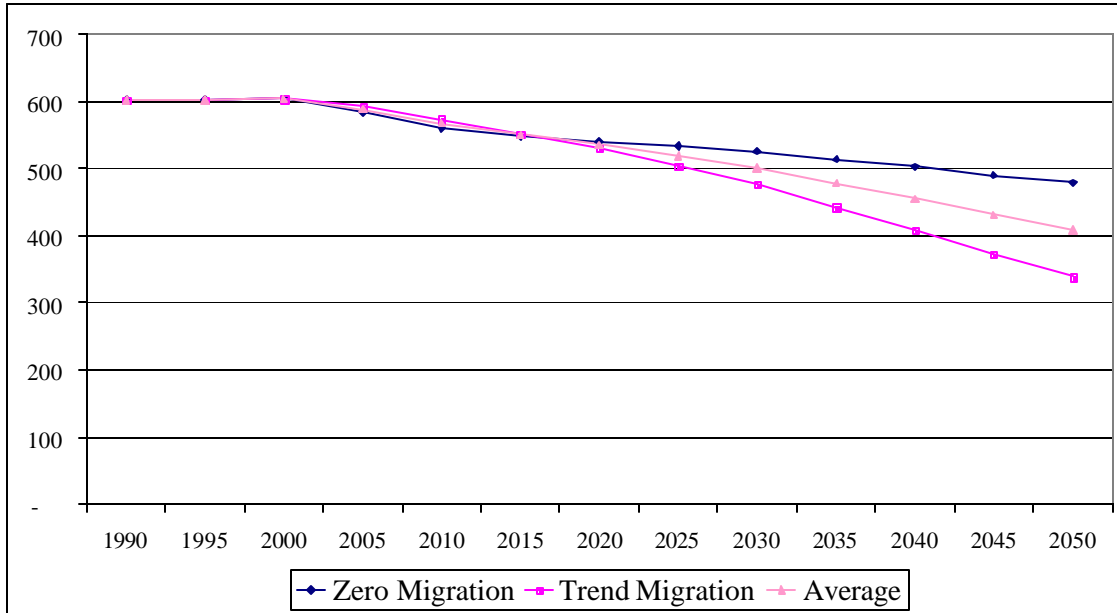
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	642	642	642	652	666	681	695	701	696	688	681	676	671
Trend Migration	642	642	642	642	643	646	648	648	637	623	607	591	574
Average	642	642	642	647	654	664	672	675	667	655	644	634	622

Population by Age Group, 2000 and 2050



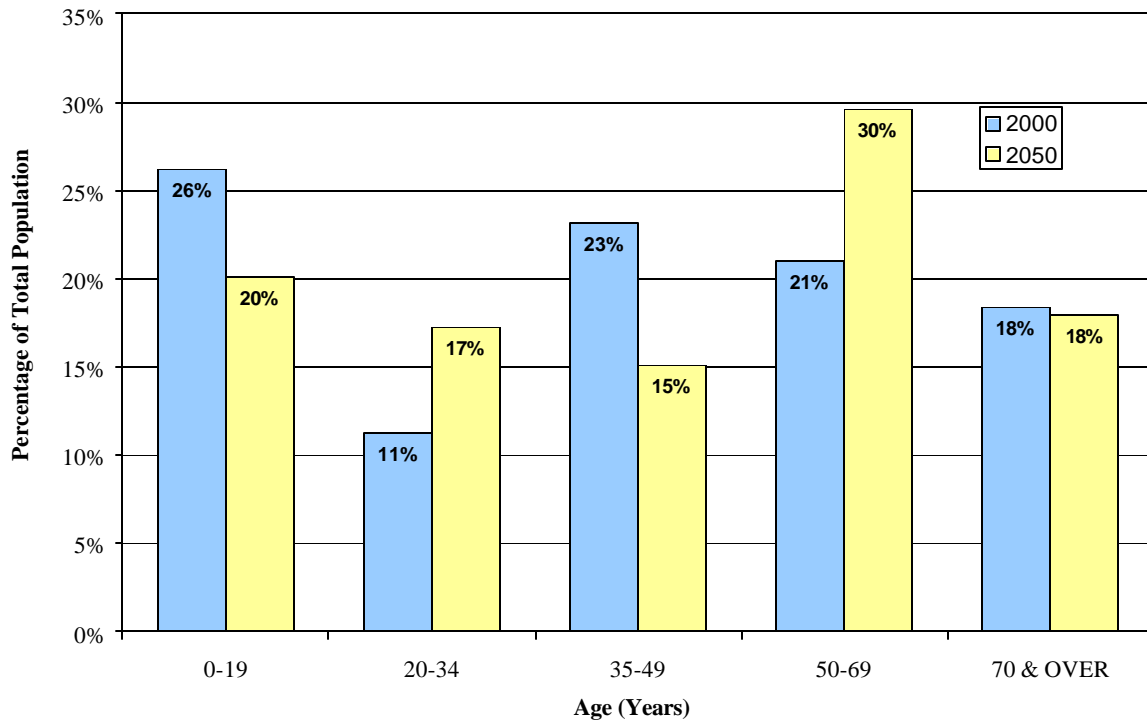
Portland Population Forecast



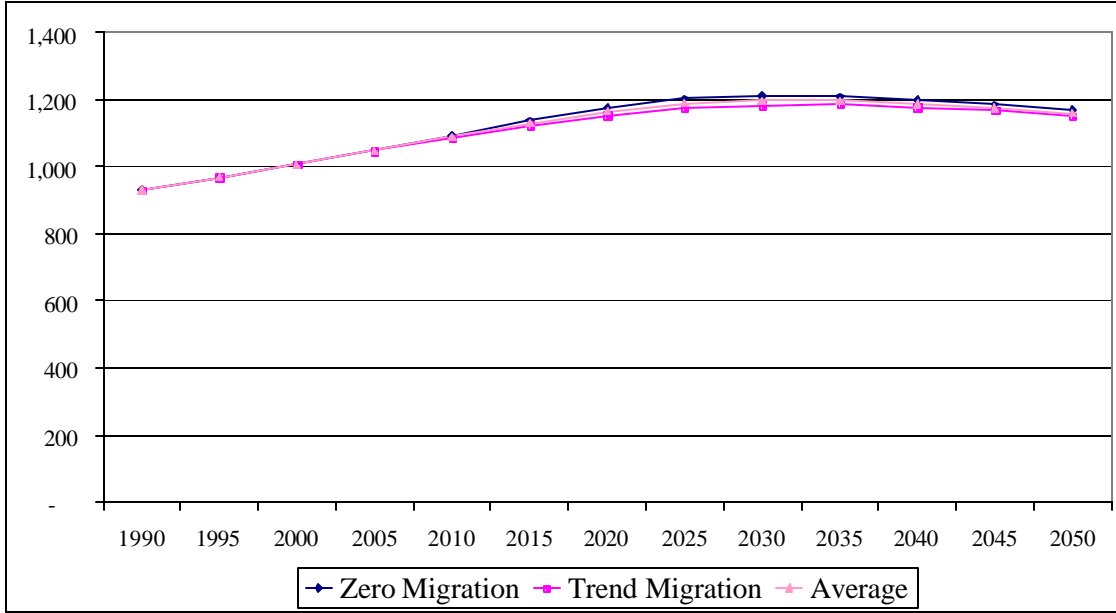
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	602	603	604	584	561	548	541	534	526	514	503	490	479
Trend Migration	602	603	604	593	574	552	531	505	476	442	408	372	339
Average	602	603	604	589	568	550	536	519	501	478	456	431	409

Population by Age Group, 2000 and 2050



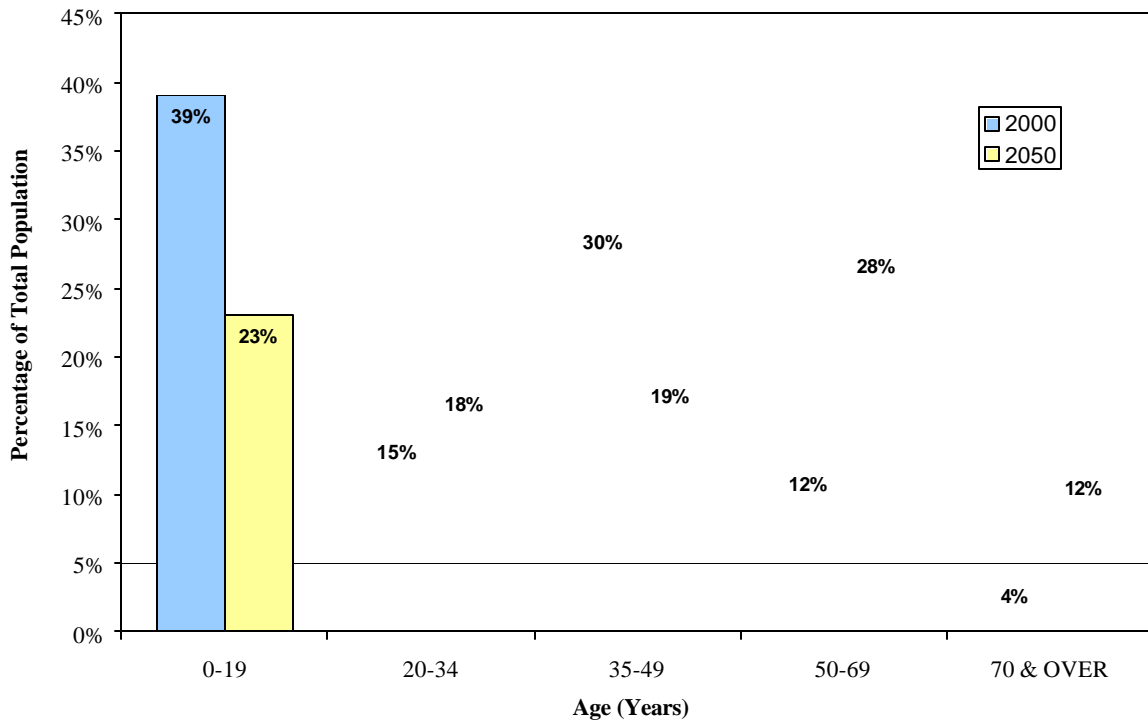
Thompson Population Forecast



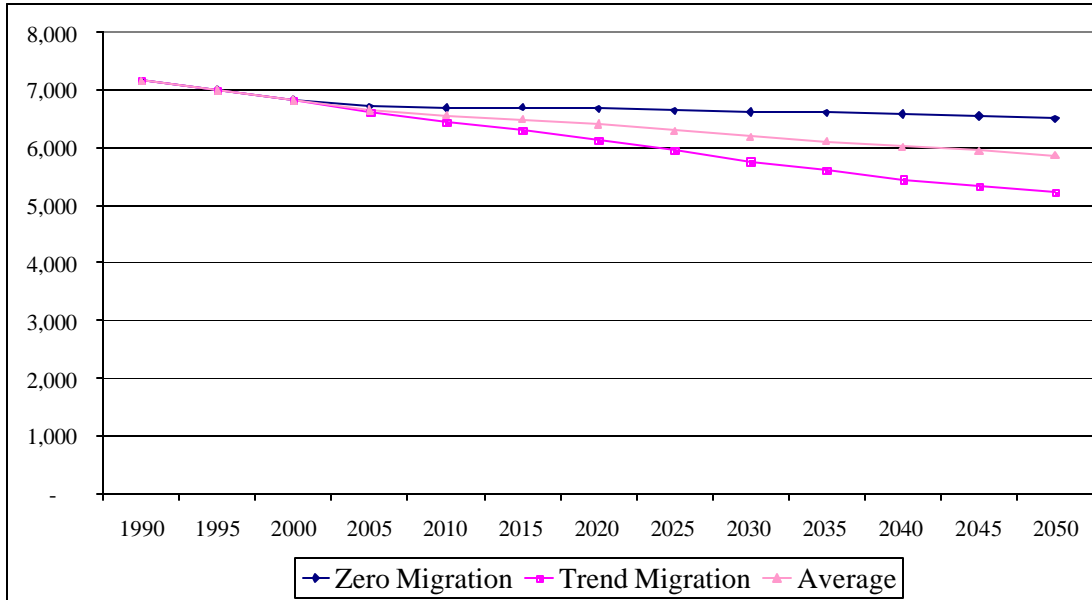
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	930	968	1,006	1,048	1,091	1,136	1,177	1,203	1,212	1,209	1,198	1,185	1,169
Trend Migration	930	968	1,006	1,047	1,087	1,124	1,154	1,174	1,183	1,185	1,178	1,167	1,150
Average	930	968	1,006	1,047	1,089	1,130	1,165	1,189	1,197	1,197	1,188	1,176	1,160

Population by Age Group, 2000 and 2050



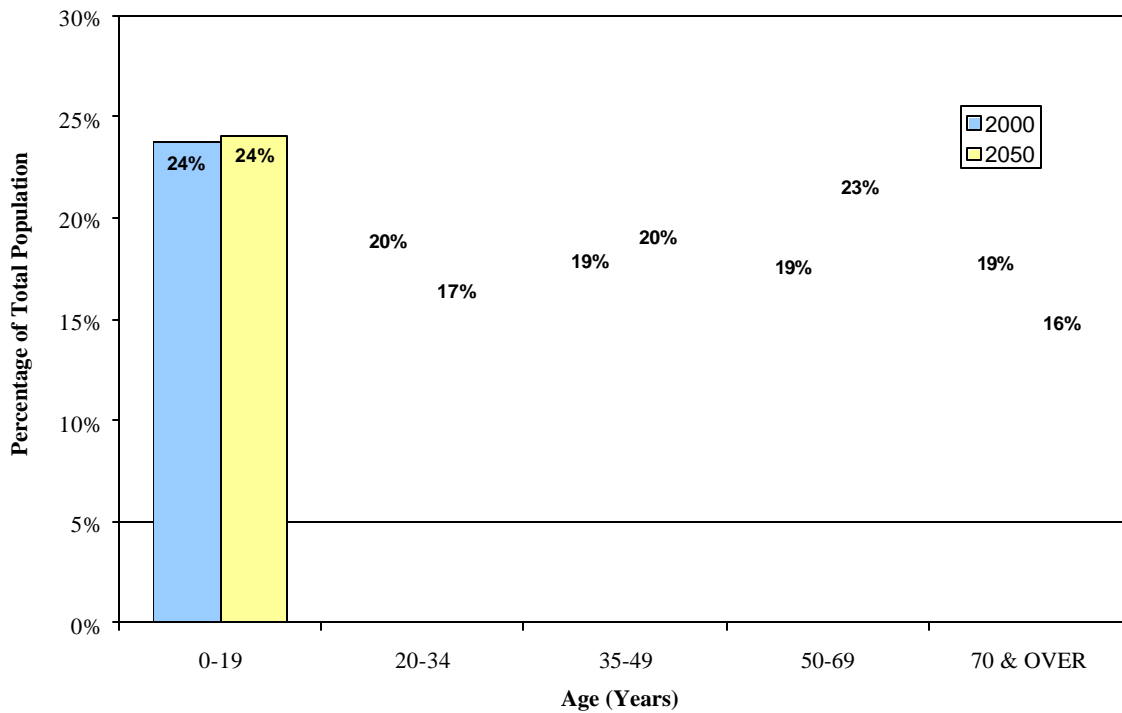
Valley City Population Forecast



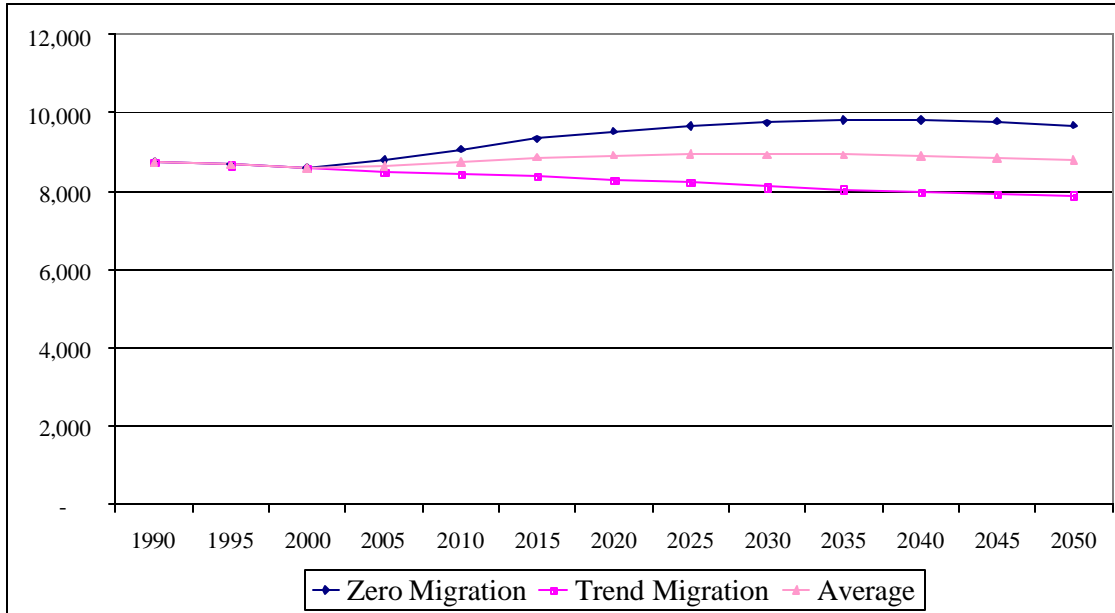
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	7,163	6,995	6,826	6,704	6,685	6,694	6,678	6,642	6,619	6,610	6,587	6,553	6,503
Trend Migration	7,163	6,995	6,826	6,603	6,433	6,294	6,131	5,952	5,766	5,606	5,454	5,329	5,225
Average	7,163	6,995	6,826	6,654	6,559	6,494	6,405	6,297	6,192	6,108	6,021	5,941	5,864

Population by Age Group, 2000 and 2050



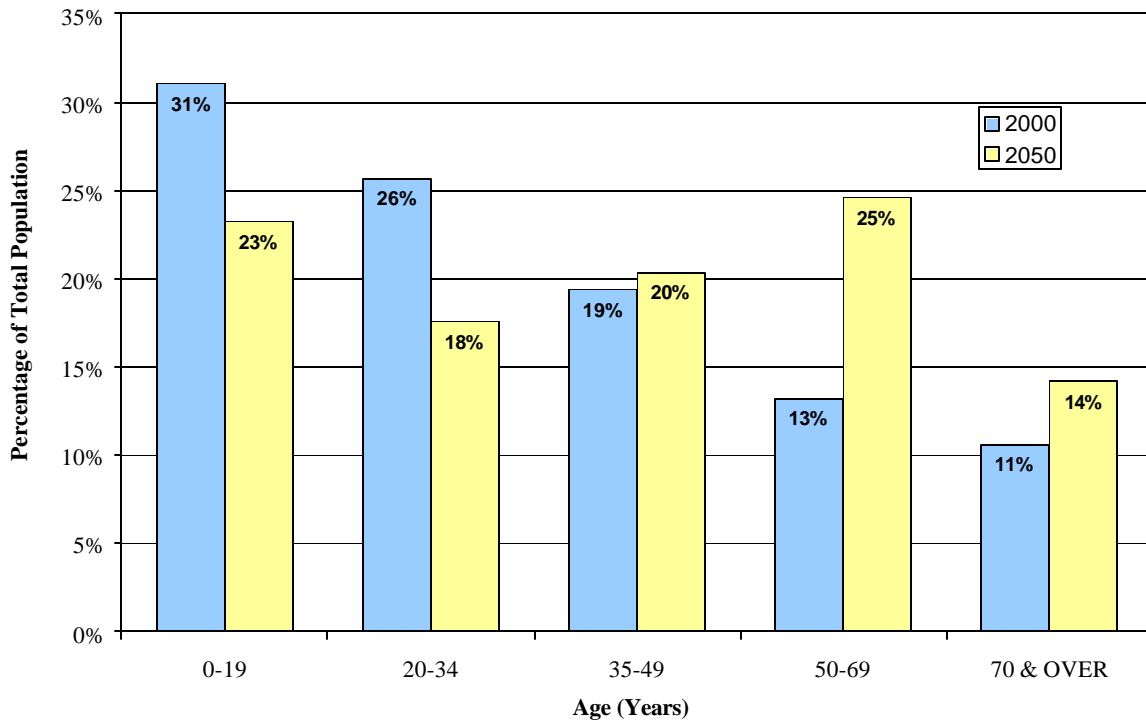
Wahpeton Population Forecast



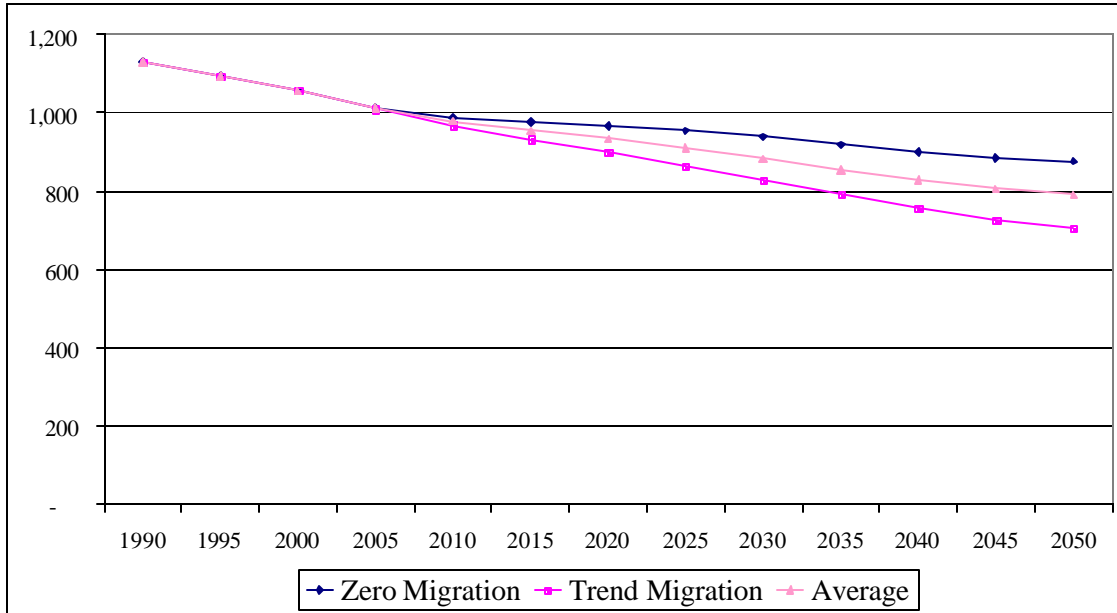
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	8,751	8,669	8,586	8,794	9,076	9,336	9,528	9,655	9,744	9,810	9,826	9,780	9,685
Trend Migration	8,751	8,669	8,586	8,484	8,417	8,378	8,290	8,217	8,102	8,047	7,975	7,929	7,892
Average	8,751	8,669	8,586	8,639	8,746	8,857	8,909	8,936	8,923	8,929	8,900	8,855	8,788

Population by Age Group, 2000 and 2050



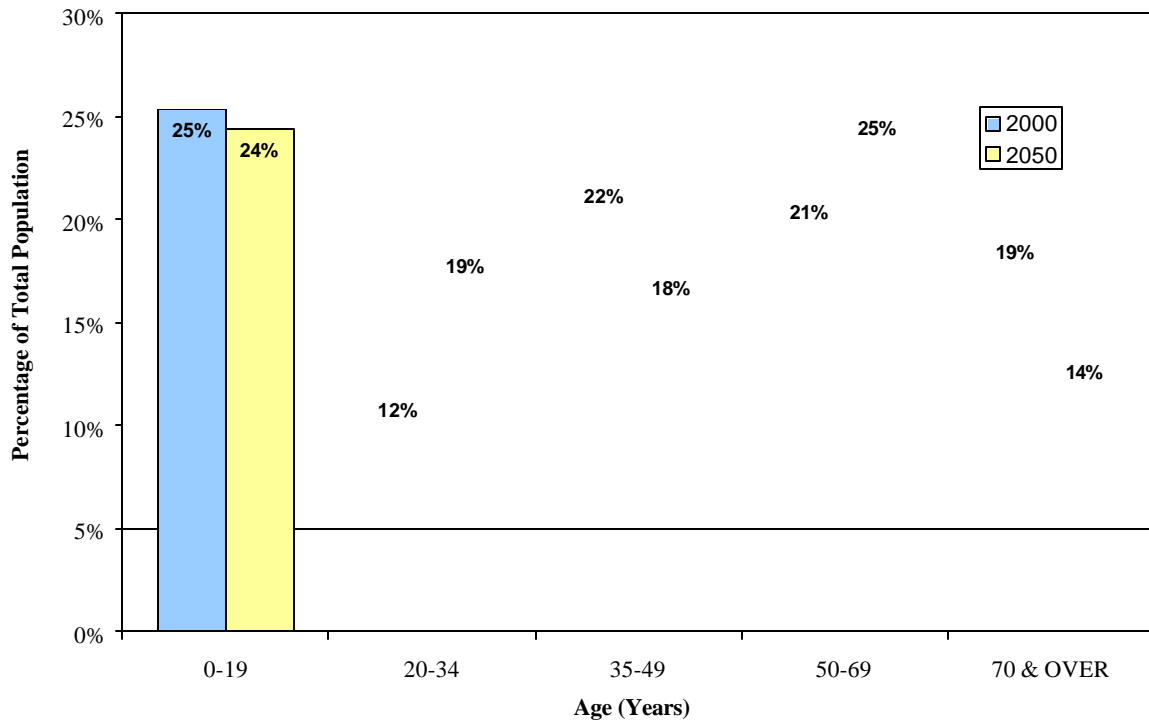
Walhalla Population Forecast



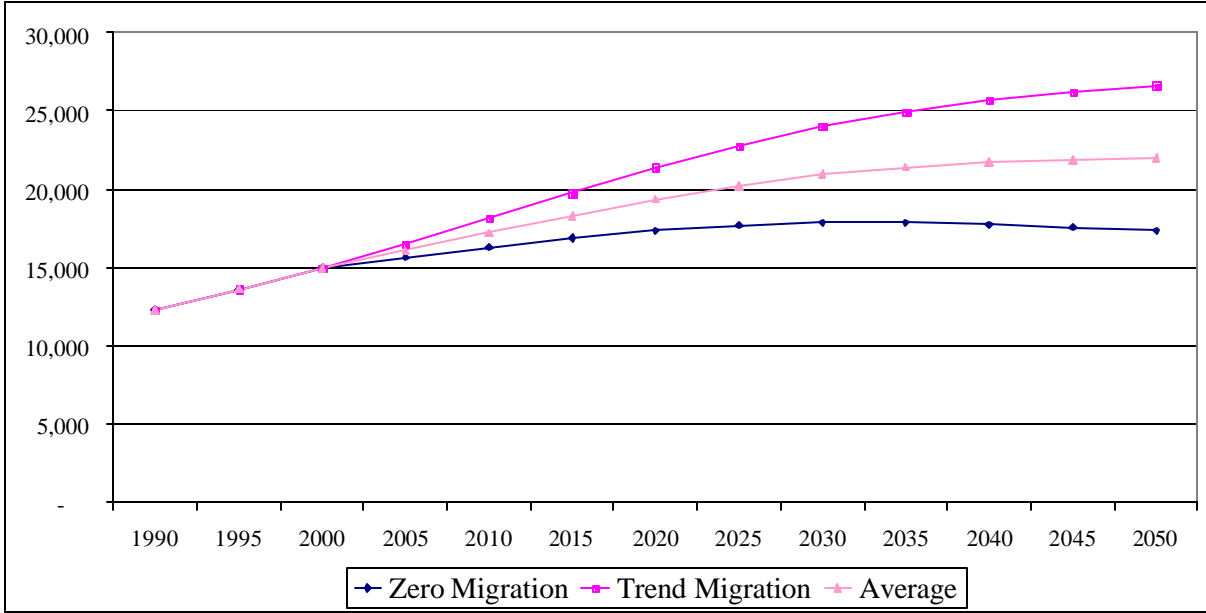
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	1,131	1,094	1,057	1,015	989	976	967	954	938	918	900	885	876
Trend Migration	1,131	1,094	1,057	1,010	968	932	899	864	829	790	755	726	706
Average	1,131	1,094	1,057	1,012	979	954	933	909	883	854	828	805	791

Population by Age Group, 2000 and 2050



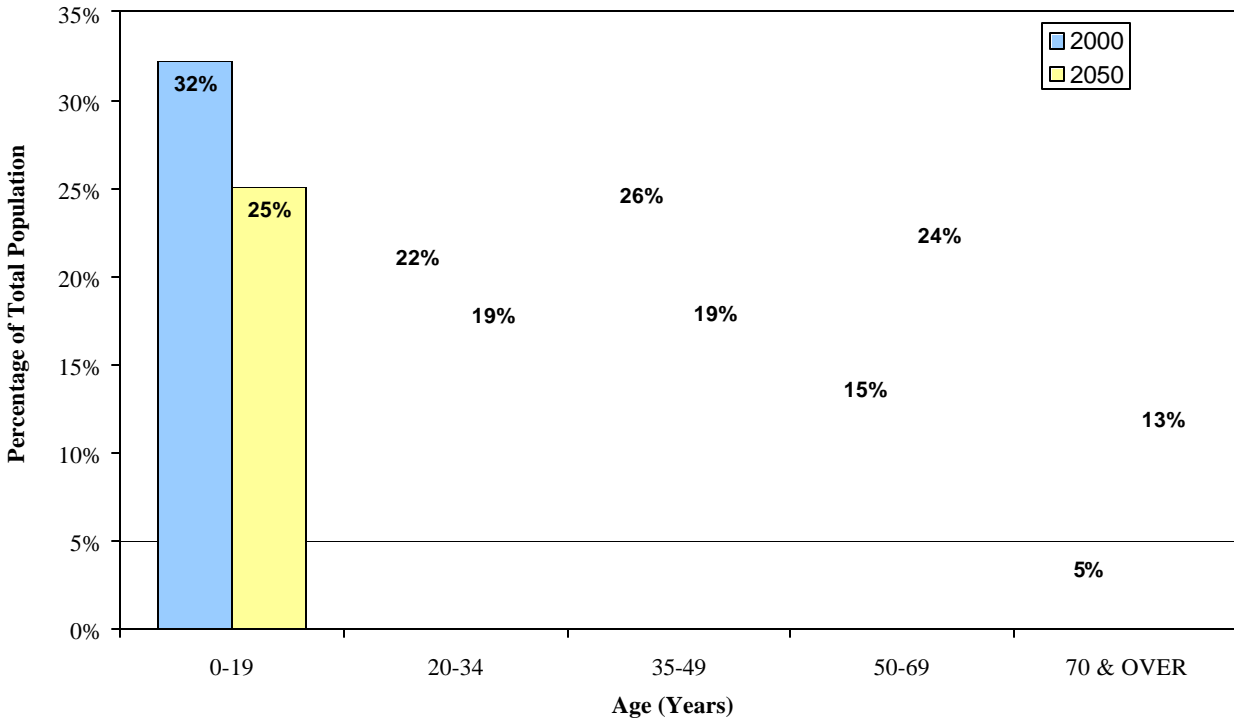
West Fargo Population Forecast



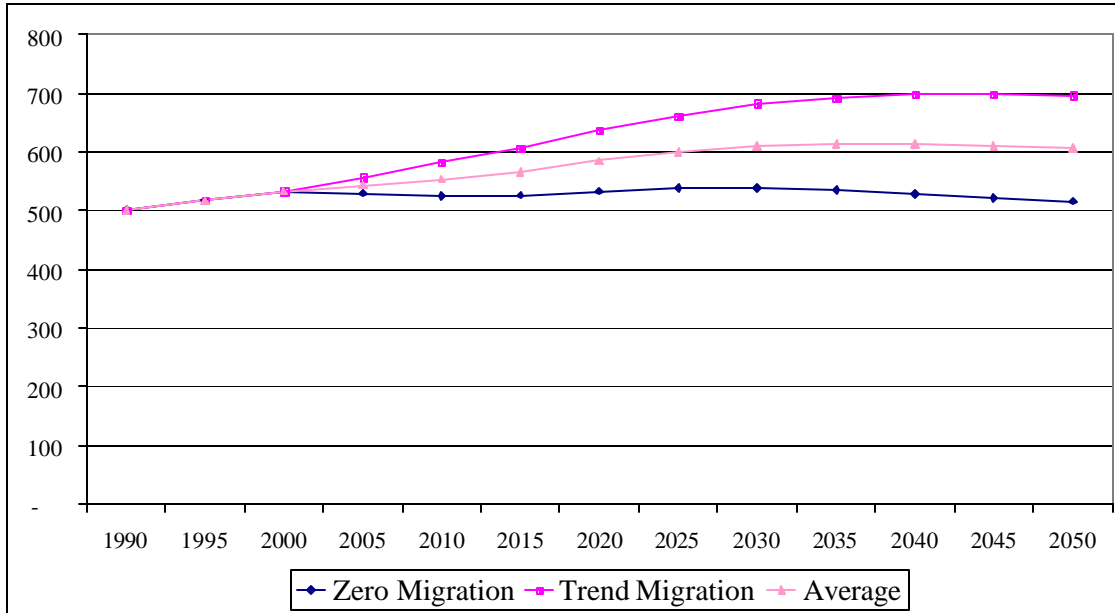
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	12,287	13,614	14,940	15,646	16,280	16,849	17,332	17,673	17,847	17,856	17,730	17,545	17,343
Trend Migration	12,287	13,614	14,940	16,509	18,162	19,746	21,382	22,724	24,036	24,908	25,680	26,187	26,632
Average	12,287	13,614	14,940	16,077	17,221	18,298	19,357	20,199	20,942	21,382	21,705	21,866	21,987

Population by Age Group, 2000 and 2050



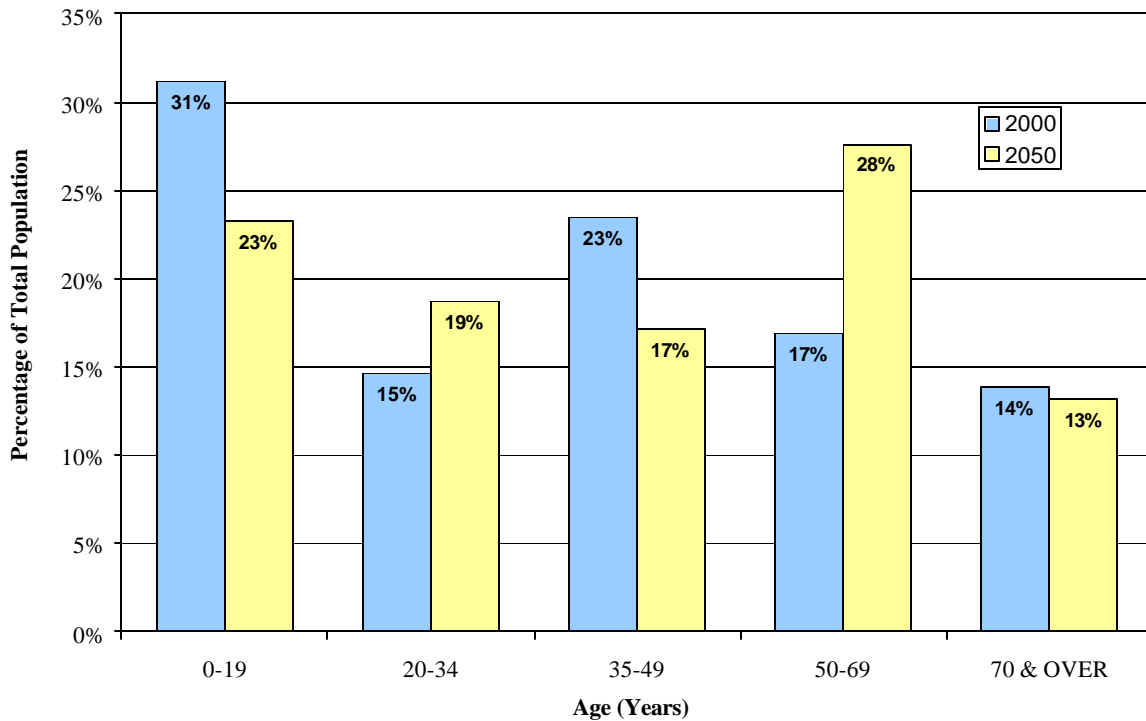
Wyndmere Population Forecast



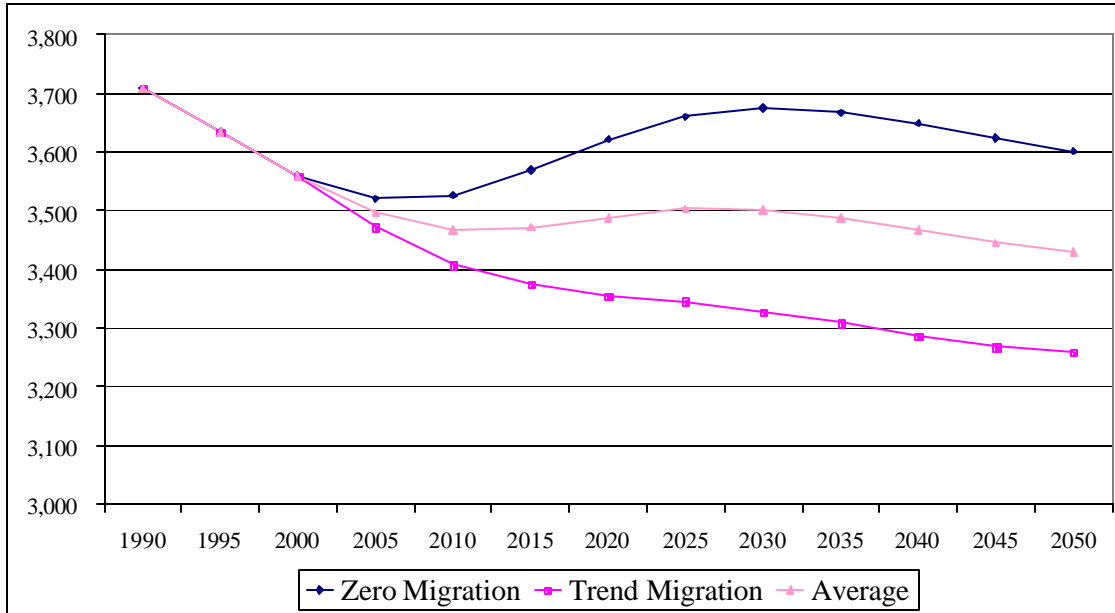
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	501	517	533	529	525	526	533	538	538	535	529	521	516
Trend Migration	501	517	533	557	582	607	637	661	683	692	699	698	697
Average	501	517	533	543	554	566	585	600	611	614	614	610	607

Population by Age Group, 2000 and 2050



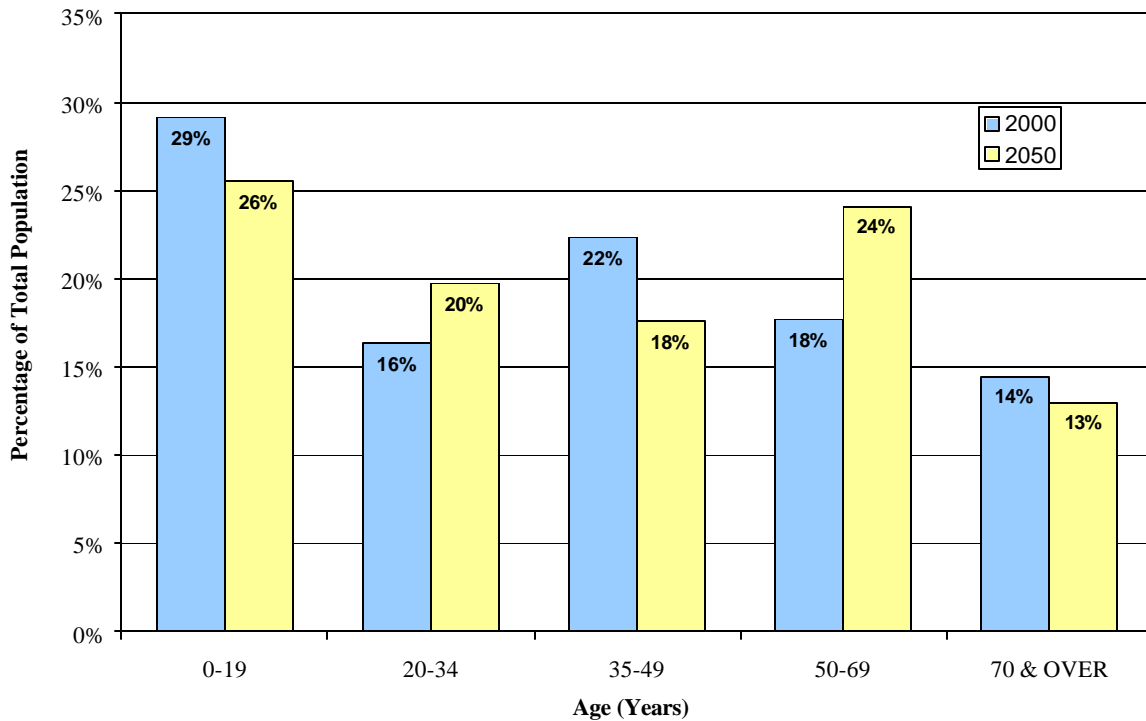
Breckenridge Population Forecast



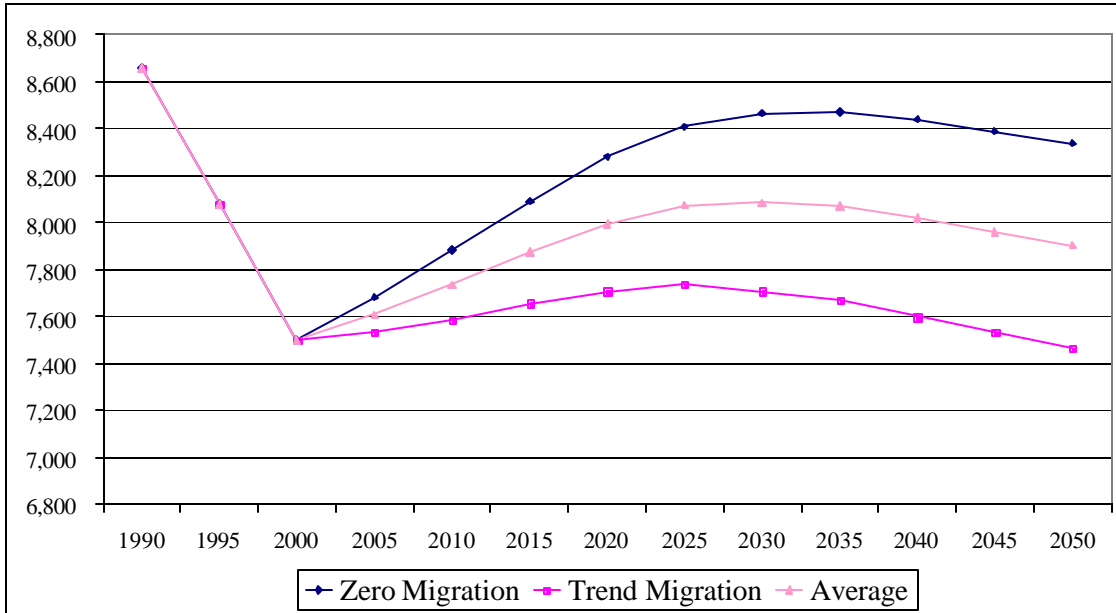
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	3,708	3,634	3,559	3,520	3,526	3,569	3,621	3,660	3,674	3,667	3,649	3,624	3,601
Trend Migration	3,708	3,634	3,559	3,472	3,408	3,374	3,354	3,346	3,328	3,309	3,286	3,268	3,258
Average	3,708	3,634	3,559	3,496	3,467	3,472	3,488	3,503	3,501	3,488	3,468	3,446	3,430

Population by Age Group, 2000 and 2050



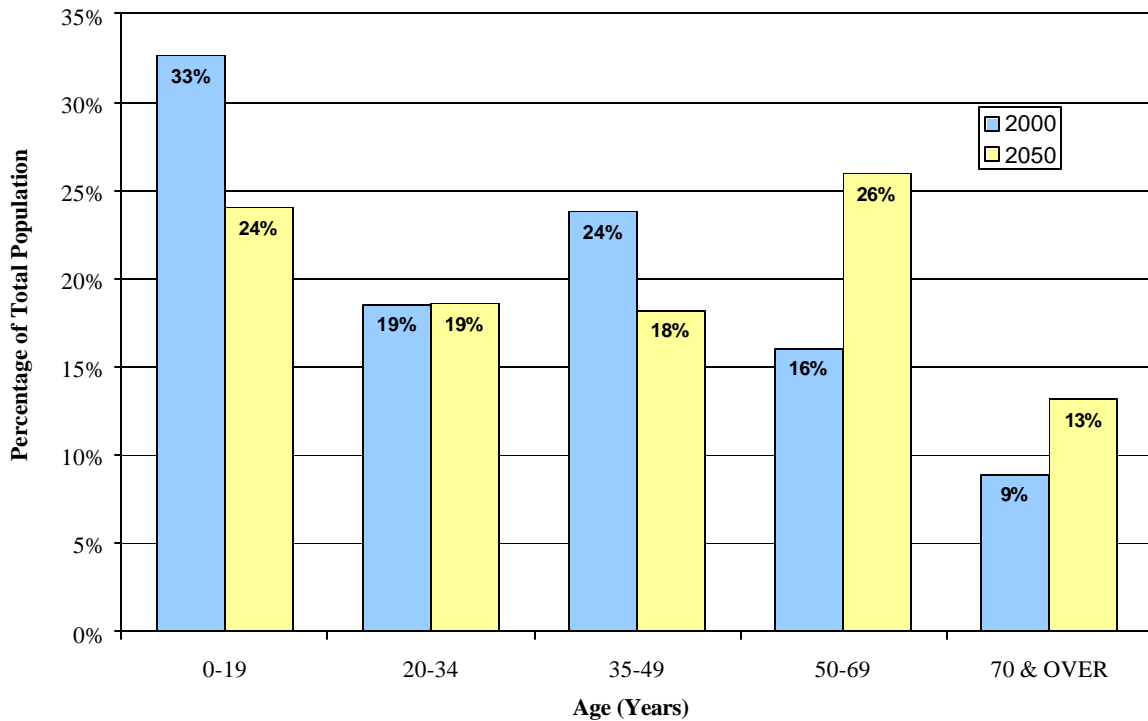
East Grand Forks Population Forecast



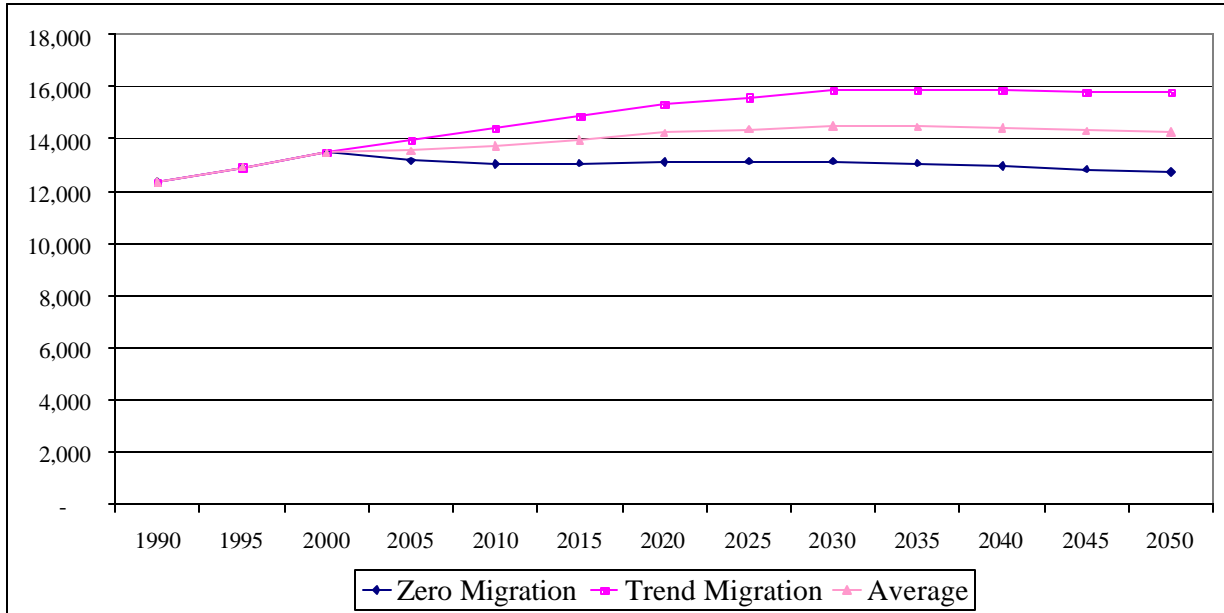
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	8,658	8,080	7,501	7,680	7,883	8,091	8,280	8,406	8,464	8,471	8,439	8,388	8,338
Trend Migration	8,658	8,080	7,501	7,533	7,584	7,655	7,707	7,739	7,706	7,670	7,597	7,530	7,466
Average	8,658	8,080	7,501	7,607	7,733	7,873	7,994	8,073	8,085	8,070	8,018	7,959	7,902

Population by Age Group, 2000 and 2050



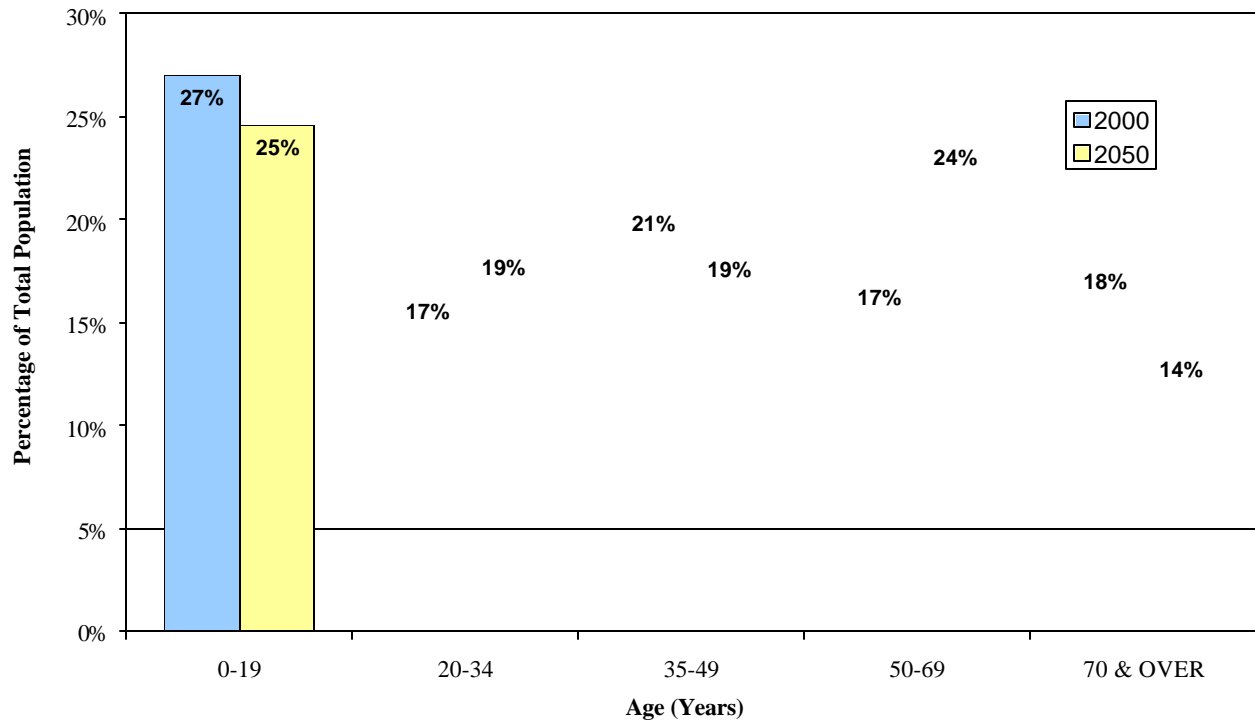
Fergus Falls Population Forecast



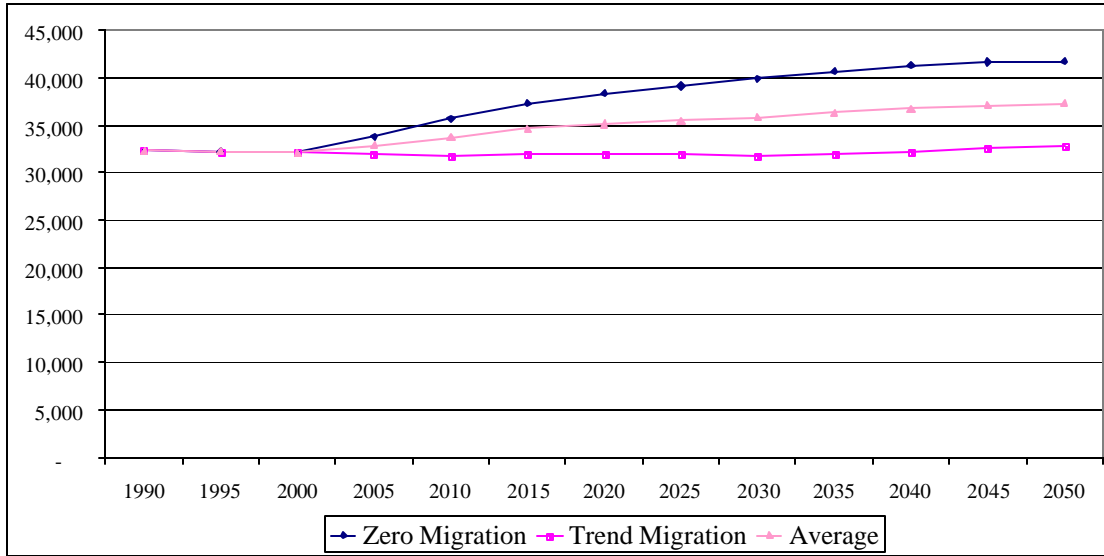
Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	12,362	12,917	13,471	13,164	13,046	13,057	13,114	13,148	13,136	13,069	12,962	12,842	12,732
Trend Migration	12,362	12,917	13,471	13,928	14,428	14,865	15,347	15,595	15,859	15,846	15,868	15,791	15,785
Average	12,362	12,917	13,471	13,546	13,737	13,961	14,231	14,372	14,498	14,458	14,415	14,316	14,259

Population by Age Group, 2000 and 2050



Moorhead Population Forecast



Projection Results

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Zero Migration	32,295	32,236	32,177	33,783	35,697	37,331	38,410	39,149	39,885	40,675	41,336	41,685	41,758
Trend Migration	32,295	32,236	32,177	31,895	31,801	31,971	31,881	31,932	31,787	32,045	32,247	32,591	32,895
Average	32,295	32,236	32,177	32,839	33,749	34,651	35,145	35,541	35,836	36,360	36,792	37,138	37,327

Population by Age Group, 2000 and 2050

