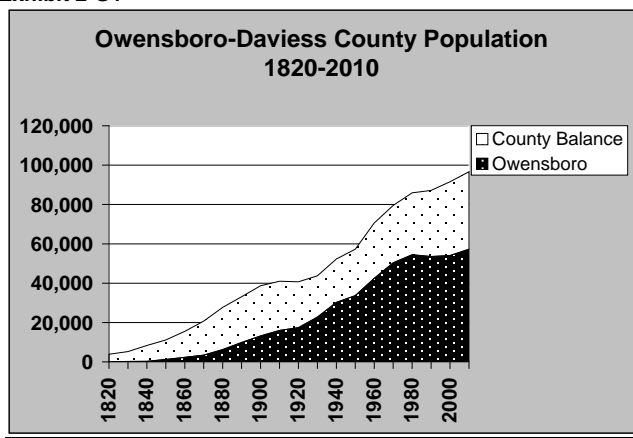


Population

Population Trends

At the beginning of the twentieth century, Owensboro's population made up only 34% of the total population of Daviess County. However, by 1930 more people lived inside Owensboro than outside. The **2010 U.S. Bureau of the Census** data revealed that population figures for Daviess County totaled **96,656** people with **57,265** people or 59% living within the corporate limits of the City of Owensboro.

Exhibit 2-G1



Beginning in the 1930s, Owensboro and the county as a whole generally outpaced the growth rates of Kentucky and the nation. This trend continued until the mid 1970s. By the end of the 1970s Owensboro and Daviess County dropped below the national and state growth rates.

Whitesville, the only other incorporated city in Daviess County, has experienced fluctuations in population since 1920 when the city had a population of 427. The city grew to 723 by 1950. Its highest population was in 1980 at 788. The population has declined from 632 reported in the 2000 census to 552 in 2010, a decrease of 12.7%.

Exhibit **2-T1** compares population trends of Owensboro, Daviess County, Kentucky, and the United States for ten-year periods starting in 1820. During the 1980s, 1990s, and 2000s local growth has not kept pace with the rates of Kentucky or the nation.

The U.S. Bureau of the Census publishes annual population estimates for cities, counties and states on July 1st of every year. As of July 1, 2016 the estimated population of Daviess County was 99,674, the estimated population of the City of Owensboro was 59,273 and the estimated population of the City of Whitesville was 537.

POPULATION

Exhibit 2-T1: Changes in Population 1820 - 2010

| Year | Oboro | % Change | Davies County | % Change | Kentucky | % Change | United States | % Change |
|------|--------|----------|---------------|----------|-----------|----------|---------------|----------|
| 1820 | 50 | | 3,876 | | 564,317 | | 10,037,323 | |
| 1830 | 229 | 358.0 | 5,209 | 34.4 | 687,917 | 21.9 | 12,785,928 | 27.4 |
| 1840 | 300 | 31.0 | 8,331 | 59.9 | 779,828 | 13.4 | 16,987,946 | 32.9 |
| 1850 | 1,215 | 305.0 | 11,147 | 33.8 | 982,405 | 26 | 23,054,152 | 35.7 |
| 1860 | 2,308 | 90.0 | 15,549 | 39.5 | 1,156,683 | 17.7 | 31,183,582 | 35.3 |
| 1870 | 3,437 | 48.9 | 20,714 | 33.2 | 1,321,011 | 14.2 | 38,155,505 | 22.4 |
| 1880 | 6,231 | 81.3 | 27,730 | 33.9 | 1,648,690 | 24.8 | 49,371,340 | 29.4 |
| 1890 | 9,837 | 57.9 | 33,120 | 19.4 | 1,858,635 | 12.7 | 62,116,811 | 25.8 |
| 1900 | 13,189 | 34.1 | 38,667 | 16.7 | 2,147,174 | 15.5 | 76,212,168 | 22.7 |
| 1910 | 16,011 | 21.4 | 41,020 | 6.1 | 2,289,907 | 6.6 | 92,228,496 | 21 |
| 1920 | 17,424 | 8.8 | 40,733 | -0.7 | 2,416,630 | 5.5 | 106,021,537 | 15 |
| 1930 | 22,765 | 30.7 | 43,779 | 7.5 | 2,614,589 | 8.2 | 123,202,624 | 16.2 |
| 1940 | 30,245 | 32.9 | 52,335 | 19.5 | 2,845,627 | 8.8 | 132,164,569 | 7.3 |
| 1950 | 33,651 | 11.3 | 57,241 | 9.4 | 2,944,806 | 3.5 | 151,325,798 | 14.5 |
| 1960 | 42,471 | 26.2 | 70,588 | 23.3 | 3,038,156 | 3.2 | 179,323,175 | 18.5 |
| 1970 | 50,329 | 18.5 | 79,486 | 12.6 | 3,219,000 | 6 | 203,211,926 | 13.3 |
| 1980 | 54,450 | 8.2 | 85,949 | 8.1 | 3,660,777 | 13.7 | 226,545,805 | 11.5 |
| 1990 | 53,549 | -1.7 | 87,189 | 1.4 | 3,686,891 | 0.7 | 248,709,873 | 9.8 |
| 2000 | 54,067 | 1.0 | 91,545 | 5 | 4,041,769 | 9.6 | 281,421,906 | 13.2 |
| 2010 | 57,265 | 5.9 | 96,656 | 5.6 | 4,339,367 | 7.4 | 308,745,538 | 9.7 |

Source: U.S. Bureau of the Census, Kentucky State Data Center

Since the turn of the 20th century, the largest increases in population in the City of Owensboro have occurred in the 1920s, 1930s and 1950s. Daviess County saw the highest increases in the 1930s, 1950s and 1960s

During the 1980s the City of Owensboro actually lost population, but has increased its population in the 90s and 00s due to the aggressive annexation policy of the City of Owensboro.

Births, Deaths, Natural Increase

Death has ranged in Daviess County from 725 in 1970 to 1,080 in 2016, the latest available preliminary data from the Kentucky State Data Center. The death rate (calculated as deaths per 1,000 persons) declined from 1950 to 1990 and then increased slightly in 2000, and has fluctuated slightly since that time. This may be indicative of our aging population with the median age rising to 38.8 in 2010 from 36.8 in 2000 and 33.2 in 1990, an increase in the median age of 5.6 years in the past two decades. The Kentucky State Data Center estimated population for July 2016 was used to calculate the death rate as 2016 is the latest year for which preliminary death numbers are available.

The number of births recorded in the last available data from the Kentucky State Data Center indicates a total of 1,343 births in 2016. The fertility rate calculates to 61.9, a decrease from the rate in 2010. The fertility rate (births per 1,000 women between the ages of 15-44) has declined from the baby boom of the 1950's and early 60's, but has remained relatively stable since the 1990's.

Natural increase is defined as the difference between births and deaths during a given time interval - the number by which the population would increase or decrease without migration. The rate of natural increase is computed by dividing natural increase by the beginning population, then multiplying by 1,000. The beginning population in 2010 used is 96,656 as reported by the 2010 Census, resulting in an estimated natural increase rate of 2.64 by 2016. Exhibit 2-T2 is a listing of these rates with their associated fertility and death rates.

POPULATION

The rate of natural increase has continued a steady decline since 1950.

Exhibit 2 –T2: Natural Increase

| Year | Fertility Rate | Death Rate | Natural Increase |
|-------------|----------------|--------------|------------------|
| 1950 | 119.97 | 9.85 | 17.47 |
| 1960 | 126.04 | 9.15 | 16.73 |
| 1970 | 96.20 | 9.12 | 11.25 |
| 1980 | 79.01 | 9.04 | 9.13 |
| 1990 | 64.60 | 8.93 | 5.87 |
| 2000 | 66.20 | 10.30 | 4.73 |
| 2010 | 72.0 | 10.2 | 3.24 |
| 2016 prel | 61.90 | 10.8 | 2.64 |

Source: Kentucky Cabinet for Health and Family Services, Vital Statistics Reports, KY State Data Center preliminary 2016 data

Net Migration

The third component influencing population change is migration.

Exhibit 2-T3: Net Migration

| DAVISS COUNTY POPULATION | | | | | |
|---------------------------------|----------|---------|---------------|------------------|---------------|
| Time Period | At Begin | At End | Period Change | Natural Increase | Net Migration |
| 1950-1960 | 57,241 | 70,588 | 13,347 | 11,827 | +1,520 |
| 1960-1970 | 70,588 | 79,486 | 8,898 | 9,930 | -1,032 |
| 1971-1980 | 79,486 | 85,949 | 6,463 | 6,316 | + 147 |
| 1981-1990 | 85,949 | 87,189 | 1,240 | 6,308 | -5,068 |
| 1991-2000 | 87,189 | 91,545 | 4,356 | 4,122 | +234 |
| 2001-2010 | 91,545 | 96,656 | 5,111 | 4,348 | 763 |
| 2011-2016 | 96,656 | 99,674* | 3,018 | 2,063 | +998 |

*from Kentucky State Data Center population estimate, July 2016

*After the in-migration of the 1950's, the trend for Daviess County has been net **out-migration** from Daviess County, with the exception of slight in-migration in the 1970's and again in the 1990s. The 1980s saw a significant out- migration.*

Population Distribution

Approximately 62% of the growth of the population in Daviess County between 2000 and 2010 has occurred within the City of Owensboro. The City of Owensboro accounted for 63% of the total population gain of 5,111 reversing the trend of the last decade which saw 88% of the population growth occurring outside of the city limits of Owensboro. These are encouraging numbers as our land use plan and policies attempt to direct growth to areas where urban services, such as sanitary sewers, are available or can be easily extended.

Exhibit 2-T4 –Distribution of Population Growth

| Year | O'boro | Daviess County | # change O'boro | # change Daviess Co | % of growth within city |
|------|--------|----------------|-----------------|---------------------|-------------------------|
| 1990 | 53,549 | 87,189 | | | |
| 2000 | 54,067 | 91,545 | 518 | 4,356 | 11.89% |
| 2010 | 57,265 | 96,656 | 3,198 | 5,111 | 62.57% |

POPULATION

Exhibit 2-T5: 1980-2010

Population Changes: Urban Service Area vs. Rural Service Area

| Population | Daviess County TOTAL | Urban Service Area | Rural Service Area | RSA % of Daviess County |
|------------------|----------------------|--------------------|--------------------|-------------------------|
| 1980 | 85,949 | 65,255 | 20,694 | 24.1% |
| 1990 | 87,189 | 65,824 | 21,365 | 24.5% |
| 1980-1990 Change | 1,240 | 569 | 671 | 54.1% |
| 1980-1990 % Chg | 1.4% | 0.8% | 3.2% | |
| 2000 | 91,545 | 67,475 | 24,070 | 26.3% |
| 1990-2000 Change | 4,356 | 1,651 | 2,705 | 62.1% |
| 1990-2000 % Chg | 5.0% | 2.5% | 12.7% | |
| 2010 | 96,656 | 71,367 | 25,289 | 26.2% |
| 2000-2010 Change | 5,111 | 3,892 | 1,219 | 23.9% |
| 2000-2010 % Chg | 5.6% | 5.8% | 5.0% | |
| 1980-2010 Change | 10,707 | 6,112 | 4,595 | 42.9% |
| 1980-2010 % Chg | 12.5% | 9.4% | 22.2% | |

Source: 1980,1990, 2000, 2010 Census

An important summary view of population changes is that of the Urban Service Area vs. the Rural Service Area. Exhibit 2-T5 illustrates that while the population had been growing more rapidly in many RSA neighborhoods as in USA neighborhoods through 2000, the 2010 census information shows the trend reversing with population growing more rapidly in the Urban Service Area.

Population Characteristics

Age and Sex

In Daviess County the median age of the population was relatively stable between 1960 and 1970, at 26.4 and 26.5 respectively. However, by 1980 the median age had climbed to 29.3, to 33.2 by 1990 and to 36.8 by 2000. In 2010, the **median age had risen to 38.8** years, an increase of 2 years from 2000. Projections published by the KY State Data Center anticipate a **median age of 42.1 years by 2030**.

Exhibit 2-T6: Population by Age and Sex 2010

| | Total | % of Total | Male | % of Total | Female | % of Total |
|---------------------|---------------|-------------|---------------|--------------|---------------|--------------|
| Under 5 yrs | 6,689 | 6.9% | 3,403 | 3.5% | 3,286 | 3.4% |
| 5 to 9 yrs | 6,589 | 6.8% | 3,397 | 3.5% | 3,192 | 3.3% |
| 10 to 14 yrs | 6,464 | 6.7% | 3,267 | 3.4% | 3,197 | 3.3% |
| 15 to 19 yrs | 6,360 | 6.6% | 3,215 | 3.3% | 3,145 | 3.3% |
| 20 to 24 yrs | 5,807 | 6.0% | 2,955 | 3.1% | 2,852 | 3.0% |
| 25 to 29 yrs | 6,143 | 6.4% | 3,058 | 3.2% | 3,085 | 3.2% |
| 30 to 34 yrs | 5,806 | 6.0% | 2,929 | 3.0% | 2,877 | 3.0% |
| 35 to 39 yrs | 6,026 | 6.2% | 2,955 | 3.1% | 3,071 | 3.2% |
| 40 to 44 yrs | 6,087 | 6.3% | 3,016 | 3.1% | 3,071 | 3.2% |
| 45 to 49 yrs | 7,242 | 7.5% | 3,532 | 3.7% | 3,710 | 3.8% |
| 50 to 54 yrs | 7,250 | 7.5% | 3,556 | 3.7% | 3,694 | 3.8% |
| 55 to 59 yrs | 6,459 | 6.7% | 3,095 | 3.2% | 3,364 | 3.5% |
| 60 to 64 yrs | 5,616 | 5.8% | 2,677 | 2.8% | 2,939 | 3.0% |
| 65 to 69 yrs | 4,069 | 4.2% | 1,898 | 2.0% | 2,171 | 2.2% |
| 70 to 74 yrs | 3,345 | 3.5% | 1,515 | 1.6% | 1,830 | 1.9% |
| 75 to 79 yrs | 2,720 | 2.8% | 1,109 | 1.1% | 1,611 | 1.7% |
| 80 to 84 yrs | 2,036 | 2.1% | 765 | 0.8% | 1,271 | 1.3% |
| 85 yrs & over | 1,948 | 2.0% | 570 | 0.6% | 1,378 | 1.4% |
| | 96,656 | 100% | 46,912 | 48.5% | 49,744 | 51.5% |

Source: United States Census Bureau , 2010 Census

*The population in Daviess County continues its aging trend, in step with the national pattern of the “graying” of the population. Median age has risen to **38.8** years.*

POPULATION

The median age of the male population was slightly lower than the median age of the total population at 37.3 years, while the female median age was higher at 40.3 years. The greatest number of persons fell in the 50-54 year range, closely followed by the 45-49 age range. These two ranges comprise 15% of the total population, an increase from 13.7% in 2000. The age range of 55 to 59 year olds increased significantly from the 2000 census, rising from 4.9% to 6.7% of the total population. The population that is over 65 has increased in the last decade from 13.8% of the total to 14.6%. This attests to the "graying" of the population, which has been a national phenomenon for three decades.

Of the total population, males numbered 46,912 comprising 48.5% with females numbering 49,744 and making up 51.5 % of the total. The sex ratio remains the same as in the 2000 census with 94 males per 100 females. Significant differences result when comparing the sex ratio within age categories. The older the age group, the lower the sex ratio, reflecting the fact that women generally continue to live longer than men. At the over 85 age range, the sex ratio has declined to 43 males per 100 females. In the 2000 census, the sex ratio was only 33 males to 100 females in the over 85 age group.

Race

The following exhibit illustrates the racial composition of Daviess County and the changes in racial composition from 1980 forward. The category "Other Race" includes persons identified with more than one race in the 2000 information and includes Native Hawaiian and two or more races in the 2010 information. The data shows that Daviess County has increased its diversity over the last 30 years, with the white only population decreasing from 95.6% of the total population in 1980 to 91.2% of the total in 2010. The most significant change has occurred within the last decade. All minority races have risen in percentage of the total from 2000 to 2010, with the most significant increase occurring in the population of Hispanic or Latino origin.

Exhibit 2-T7: Racial Composition

| RACE | Persons | | | | % Total Pop 1980 | %Total Pop 1990 | %Total Pop 2000 | %Total Pop 2010 |
|----------------------------------|---------|--------|--------|--------|------------------|-----------------|-----------------|-----------------|
| | 1980 | 1990 | 2000 | 2010 | | | | |
| TOTAL | 85,949 | 87,189 | 91,545 | 96,656 | | | | |
| White | 82,148 | 83,168 | 85,302 | 88,134 | 95.6% | 95.4% | 93.2% | 91.2% |
| African-American | 3,329 | 3,619 | 3,962 | 4,626 | 3.9% | 4.2% | 4.3% | 4.8% |
| American Indian | 86 | 101 | 119 | 130 | 0.1% | 0.1% | 0.1% | 0.1% |
| Asian | 361 | 214 | 374 | 685 | 0.4% | 0.2% | 0.4% | 0.7% |
| Other Race | 25 | 87 | 943 | 1,631 | 0.0% | 0.1% | 1.0% | 1.7% |
| <i>Hispanic or Latino origin</i> | 292 | 312 | 845 | 2,525 | 0.3% | 0.4% | 0.9% | 2.6% |

Source: U.S. Census Bureau, 1980, 1990, 2000, 2010 census data

The racial diversity in Daviess County reflects a slightly less diverse racial make up than of the state, with census data for Kentucky showing 87.8% white as compared to 91.2% for Daviess County. Data for race in the 2010 census information collected allowed persons responding to indicate mixed racial status, indicating racial origin of up to six races. The table above compares percentage of races on a general basis and does not account for all the combinations of mixed race that are evidenced in the population. As diversity increases not only in the population at large relative to different racial identities, diversity has also increased within individuals as many individuals can claim multi racial identities.

POPULATION

Population Projections

The **Kentucky State Data Center, Kentucky Population Research** has projected population growth for Daviess County until 2040. Between 2010 and 2040, the population of Daviess County is projected to grow faster than Kentucky. Exhibit 2-T8 shows the projections and annual percent increases projected. Daviess County’s annual growth rate is projected to decrease similarly to the annual growth rate of the State of Kentucky.

Exhibit 2-T8 – Population Projections – Kentucky State Data Center

By the year 2040, the Kentucky State Data Center anticipates a population for Daviess County of 110,129, an increase of 13.9% in 30 years, or approximate annual rate of change of .32%. The projections show a declining rate of growth each decade. The projections for Kentucky also show a future declining rate of growth for the State.

| Year | | Population | Change Between Periods | Avg. Annual Rate of Change | Number Change from 2010 | % Change from 2010 |
|---------------------------|---|------------|------------------------|----------------------------|-------------------------|--------------------|
| KENTUCKY | | | | | | |
| 1990 | c | 3,686,891 | | | | |
| 2000 | c | 4,041,769 | 354,878 | .96% | ----- | ----- |
| 2010 | c | 4,339,367 | 297,598 | .74% | ----- | ----- |
| 2020 | p | 4,533,464 | 194,097 | .45% | 194,097 | 4.5% |
| 2030 | p | 4,726,382 | 192,918 | .43% | 387,015 | 8.9% |
| 2040 | p | 4,886,381 | 159,999 | .34% | 547,014 | 12.6% |
| DAVIESS COUNTY | | | | | | |
| 1990 | c | 87,189 | | | | |
| 2000 | c | 91,545 | 4,356 | .49% | ----- | ----- |
| 2010 | c | 96,656 | 5,111 | .56% | ----- | ----- |
| 2020 | p | 102,033 | 5,377 | .56% | 5,377 | 5.7% |
| 2030 | p | 106,676 | 4,643 | .45% | 10,020 | 10.4% |
| 2040 | p | 110,129 | 3,453 | .32% | 13,473 | 13.9% |
| c = Census p = Projection | | | | | | |

For the past twenty years the annual percentage growth increase has been fairly consistent at about .50 % per year, a low but stable increase. While we rely on the Kentucky State Data Center demographic research program to calculate projections for our community for planning purposes, it is beneficial to calculate the population projection if population in Daviess County continued at the annual rate that has occurred over the past twenty years to obtain a maximum or high population estimate. Exhibit 2-T9 illustrates the difference in the official projected population from the Kentucky State Data Center projections if population continues at the growth rate of the last two decades.

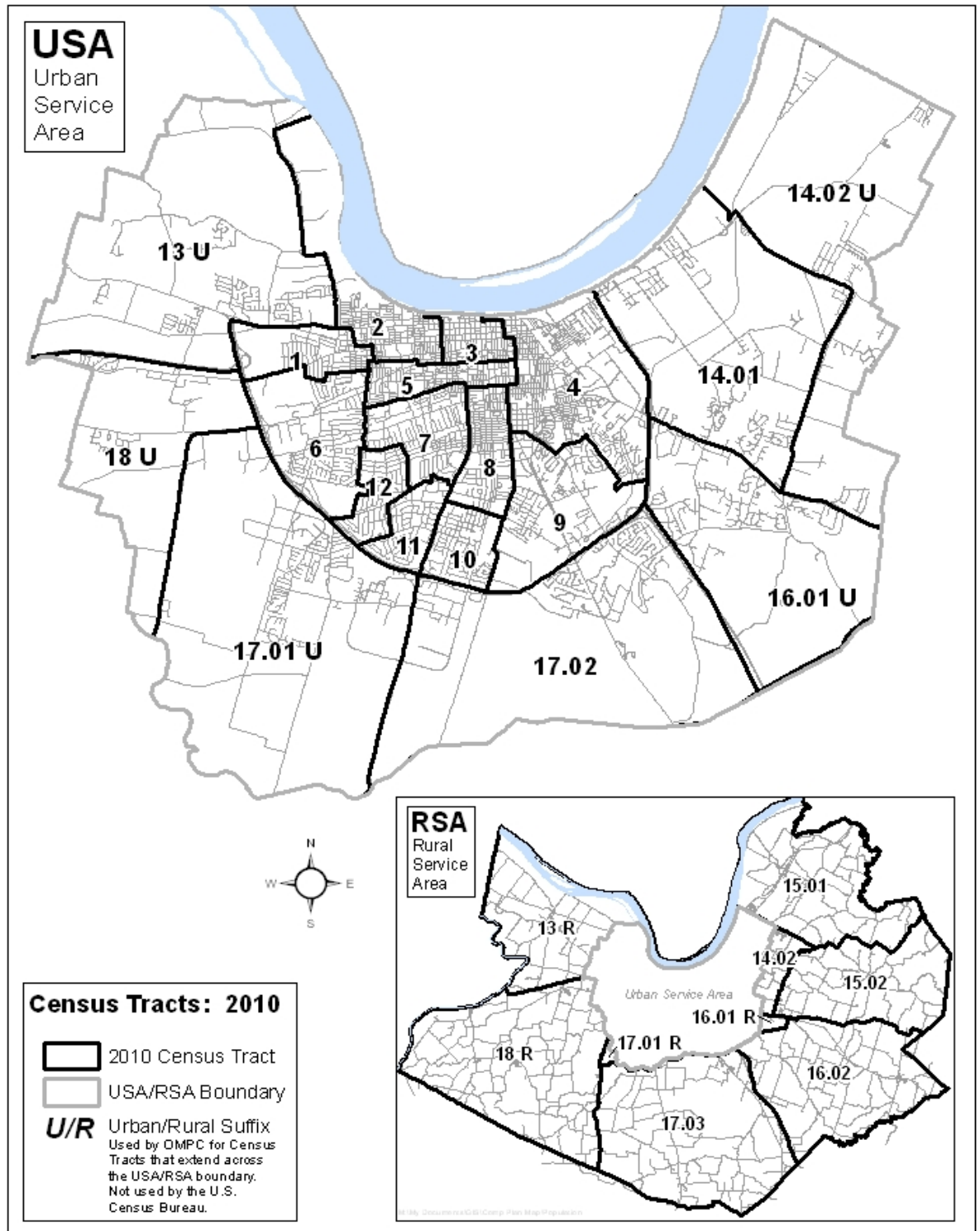
Exhibit 2-T9– Kentucky State Data Center Projections vs Existing Growth Rate Projections

| Year | | Population | KSDC Projection | .5% annual rate increase Projection | Difference |
|---------------------------|---|------------|-----------------|-------------------------------------|------------|
| DAVIESS COUNTY | | | | | |
| 2010 | c | 96,656 | | | |
| 2020 | p | | 102,033 | 101,488 | -545 |
| 2030 | p | | 106,676 | 106,562 | -114 |
| 2040 | p | | 110,129 | 111,890 | 1,761 |
| c = Census p = Projection | | | | | |

In the past the population projections from the Kentucky State Data Center have been significantly lower than Daviess County’s stable 0.5% annual growth rate. The most recent projections from KSDC (2016) are very similar to the 0.5% annual growth rate Daviess County has experienced for many years.

POPULATION

Exhibit 2 –M1 – 2010 Census Tract Boundaries



POPULATION

Exhibit 2-M2 Population Change by Census Tracts

