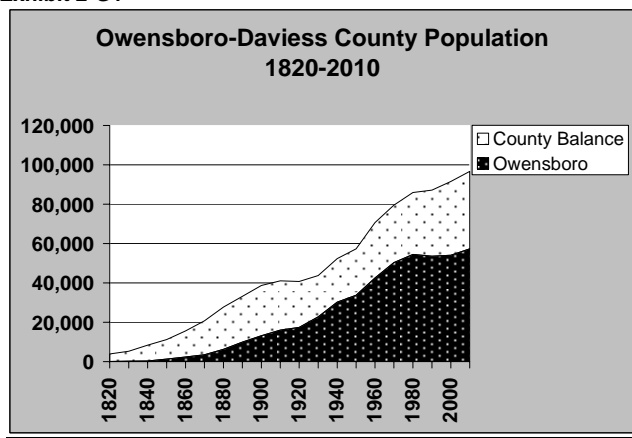


Population

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.

POPULATION

Exhibit 2-T1: Changes in Population 1820 - 2010

Year	Oboro	% Change	Daviess 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 928 in 2009, the latest available preliminary data from the Kentucky State Data Centers. The death rate (calculated as deaths per 1,000 persons) declined from 1950 to 1990 and then increased slightly in 2000, and again declined in 2009. 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 2009 was used to calculate the death rate as 2009 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 1,353 births in 2009. The number of women ages 15-44 in 2009 was estimated by multiplying the percentage of the population in this age range recorded in the 2010 census by the estimated 2009 population. The fertility rate calculates to 75.04%, an increase from the rate in 2000. 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 risen in the 1990s and 2000s.

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 2000 used is 91,545 as reported by the 2000 census, resulting in an estimated natural increase rate of 4.64 by 2009. Exhibit 2-T2 is a listing of these rates with their associated fertility and death rates.

POPULATION

By 2009, the rate of natural increase had continued to decline to about 26% of the 1950 rate.

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
2009 prel	75.04	9.72	4.64

Source: Kentucky Cabinet for Health and Family Services, Vital Statistics Reports, KY State Data Center preliminary 2009 data

Net Migration

The third component influencing population change is migration.

Exhibit 2-T3: Net Migration

DAVIESS 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
2001-2009	91,545	*95,394	3,849	3,998	-149

*from Kentucky State Data Center population estimate, July 2009

*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 90% 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 2050. Between 2010 and 2050, the population of Daviess County is projected to grow more slowly than Kentucky. Exhibit 2-T6 shows the projections and annual percent increases projected. Kentucky's growth is also projected to slow in future decades, but Daviess County's annual growth is projected to fall more drastically.

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

*By the year 2050, the Kentucky State Data Center anticipates a population for Daviess County of **103,389**, an increase of 6.97% in 40 years, or approximate annual rate of change of .17%. 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 but the decrease in the state's growth rate is not as steep as projected for Daviess County*

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	4,669,801	330,434	.76%	330,434	7.6%
2030	p	5,001,748	331,947	.71%	662,381	15.3%
2040	p	5,277,618	275,870	.55%	938,251	21.6%
2050	p	5,508,928	231,310	.44%	1,169,561	27.0%
DAVIESS COUNTY						
1990	c	87,189				
2000	c	91,545	4,356	.49%	-----	-----
2010	c	96,656	5,111	.56%	-----	-----
2020	p	99,438	2,782	.29%	2,782	2.9%
2030	p	100,981	1,543	.15%	4,325	4.5%
2040	p	102,438	1,457	.14%	5,782	6.0%
2050	p	103,389	951	.09%	6,733	7.0%
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.

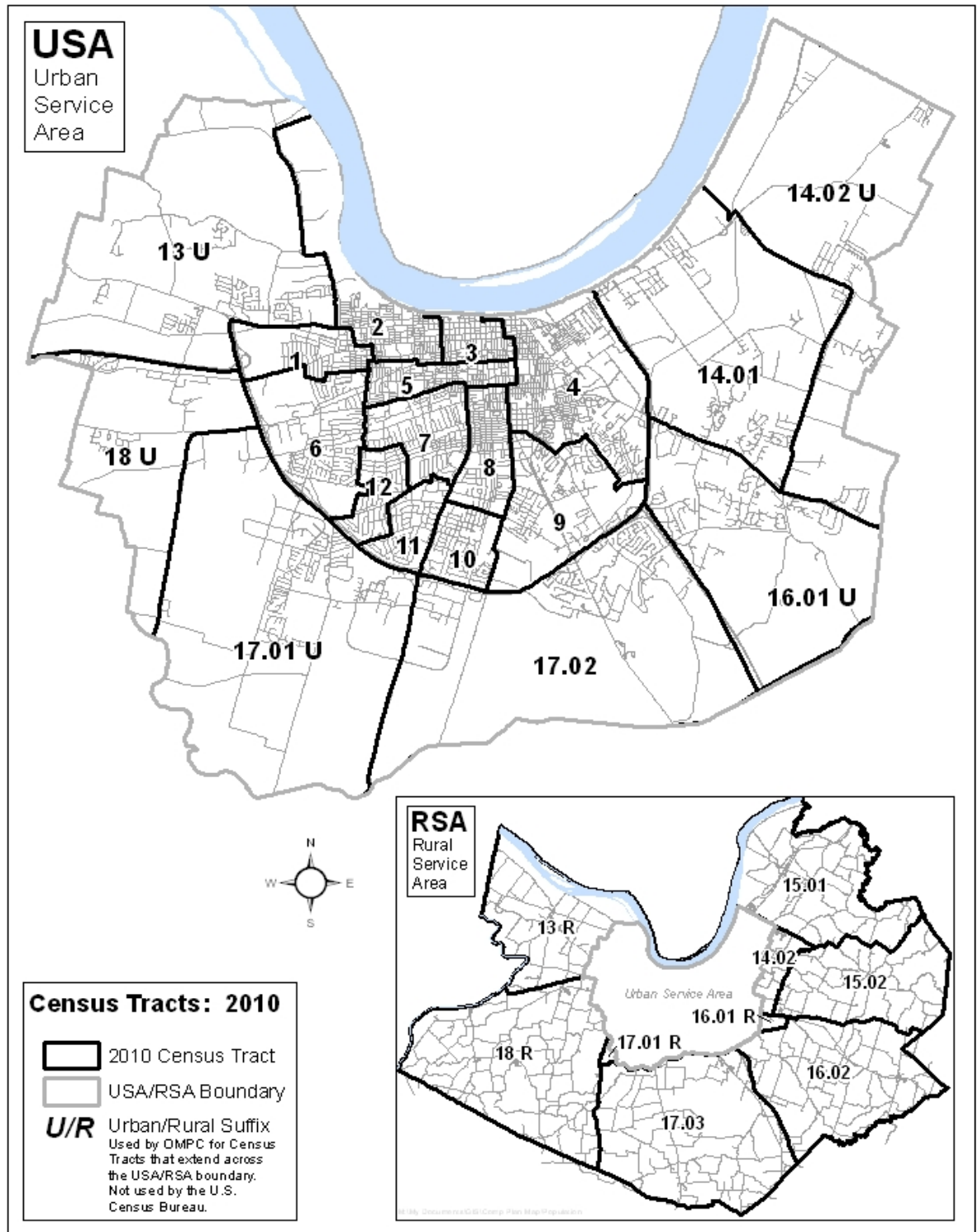
Exhibit 2-T9– Kentucky State Data Center Projections vs Existing Growth Rate Projections

Year	Population	KSDC Projection	.5% annual rate increase Projection	Difference
DAVIESS COUNTY				
2010	c	96,656		
2020	p	99,438	101,488	2,050
2030	p	100,981	106,562	5,601
2040	p	102,438	111,890	9,452
2050	p	103,389	117,485	14,096
c = Census p = Projection				

High population estimates are shown using the 1/2% annual growth rate projected out until 2050. KSDC projects a declining growth rate over the next decade and beyond. If Daviess County were to continue to grow at the same rate as in the previous two decades, the population in the future will be significantly higher than projections indicate.

POPULATION

Exhibit 2 –M1 – 2010 Census Tract Boundaries



POPULATION

Exhibit 2-M2 Population Change by Census Tracts

