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Kansas

Annual Summary of Vital Statistics, 2011

Kansas Department of Health and Environment
Division of Public Health
Bureau of Epidemiology and Public Health Informatics
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November 2012

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"Remember to see the faces in the numbers."
---Anonymous

Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

Our Mission – To protect and improve the health and environment of all Kansans

ANNUAL SUMMARY OF VITAL STATISTICS KANSAS, 2011

Sam Brownback, Governor

Robert Moser, MD, Secretary
Department of Health and Environment

Prepared by the:
Division of Public Health
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Robert Moser, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

Dear Kansans:

The Kansas Department of Health and Environment has completed the *2011 Annual Summary of Vital Statistics*. This report is a valuable tool for program evaluation and community health assessment.

This report of births, deaths, stillbirths, marriages and marriage dissolutions provides information that can help Kansans identify the health issues we are facing and help prioritize efforts as we work to reduce the problems. As the department prepares the state's Healthy Kansans 2020 plan, this summary will serve as a progress report for healthcare professionals and community leaders working to evaluate our public health and human services programs and make adjustments to improve health outcomes.

The most notable change for 2011 was the decline in the Kansas birth rate to 13.8 live births per 1,000 population, the lowest level recorded since the Kansas Vital Records system was established in 1912. This is slightly lower than the previous low of 13.9 live births per 1,000 population in 1973, during the "baby bust" years. The number of live births to Kansas resident mothers in 2011 was 39,628, down two percent from 40,439 in 2010.

There were 3,545 live births in 2011 to Kansas resident mothers under the age of twenty, down 8.6 percent from 3,879 live births to Kansas resident mothers in this age group in 2010. Births to mothers under twenty were 8.9% of all resident births in 2011, down from 9.6% in 2010.

There were 25,114 Kansas resident deaths in 2011, an increase of 2.8 percent from 24,428 deaths recorded in 2010. The crude death rate increased slightly, from 8.6 per 1,000 population in 2010 to 8.7 per 1,000 population in 2011. The age-adjusted death rate increased also increased slightly, from 7.6 per 1,000 population in 2010 to 7.7 per 1,000 population in 2011, well below the 8.7 per 1,000 population calculated for 1993, the highest age-adjusted death rate in the last twenty years.

Among the ten leading causes of death for Kansas residents, cancer once again replaced heart disease as the leading cause of death. Unintentional injuries and pneumonia/influenza each rose one level in the ranking, becoming the fourth and eighth leading causes respectively.

There were 247 infant deaths to Kansas residents in 2011, a decrease of 2.4 percent from 253 infant deaths in 2010. This continues the decrease in infant deaths noted in 2010, though at a slower pace.

Pregnancy associated maternal deaths increased to 20 in 2011 from 19 in 2010.

The number of reported abortions fell from 8,373 in 2010 to 7,885 in 2011. The resident abortion ratio of 99.6 abortions per 1,000 live births is the lowest since abortion reporting began in 1971.

There are over 120 tables and figures in this year's report. I encourage you to take a look at this summary. Become familiar with Kansas' vital statistics and the areas illustrating a need for improvement.

Robert Moser, M.D.
Secretary and State Health Officer
Kansas Department of Health and Environment

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Annual Summary 2011

Introduction

The 2011 *Annual Summary of Vital Statistics* is a general summary of data compiled from vital event records during calendar year 2011. Content includes statistics from live births, stillbirths, abortions, deaths, marriages, and marriage dissolutions based on certificates and reports filed with the Office of Vital Statistics in the Bureau of Epidemiology and Public Health Informatics.

Tables and figures presented for births, stillbirths, and deaths are residence data unless otherwise indicated. Occurrence data are presented for marriage and marriage dissolution tables and figures. Reported abortions include both residence and occurrence events.

This report, available only electronically, provides an overview of the events contributing to the health status of Kansans. Report statistics are essential to governmental agencies, businesses, industries, and citizens for effective health policy decisions and program planning. A PDF version of the *Annual Summary* is at http://www.kdheks.gov/hci/annsumm.html.

This year's annual summary continues changes in the presentation and discussion of results introduced in 2010. This section focuses on key public health areas with less presentation of self-evident information. Charts used to illustrate summary results are now in color.

Comments concerning the format or content of this report may be directed to the Bureau of Epidemiology and Public Health Informatics' Public Health Informatics (785-296-1531) or e-mail gcrawford@kdheks.gov.

ADA Statement: If you desire a copy of this publication in alternative form because of a disability, contact the Kansas Department of Health and Environment, Division of Public Health, Bureau of Epidemiology and Public Health Informatics, 1000 SW Jackson, Suite 130, Topeka, KS 66612-1354, (785) 296-8627, or 1-800-332-6262 (TDD/TT).

Population

Kansas increased in population from 2,853,118 residents in 2010 to 2,871,238 residents in 2011, a 0.6 percent increase. Geary, Pottawatomie, and Stevens Counties had the largest relative increases in population from 2007 to 2011 with percent changes of 40.4, 13.0, and 10.9 respectively. Kiowa, Elk, and Lyon counties had the largest relative decreases in population, with changes of 13.7, 7.5 and 6.2 percent respectively (Table 4).

Population Density and Peer Groups

The population density of Kansas was 35.1 inhabitants per square mile in 2011, a 14.0 percent increase from 30.8 persons per square mile in 1992. For comparison, the population density of the U.S. increased from 68.3 to 88.2 persons per square mile from 1992 to 2011, a 29.1 percent increase (Figure 8).

In 2011, 36 of the state's 105 counties had population densities of less than 6.0 persons per square mile. The most sparsely populated counties were Greeley and Wallace, with a density of 1.6 persons per square mile. The most densely populated county was Johnson, with 1,168.2 persons per square mile (Figure 9).

Several Kansas counties were re-categorized from one population-density peer group to another starting with the 2010 Annual Summary, to reflect population shifts indicated by the 2010 U.S. Census (See the Technical Notes, Appendix 2).

As a result of these changes, the frontier, densely-settled rural, and urban peer groups had increases in population 2007-2011 of 29.0, 12.9, and 9.5 percent, respectively, while the semi-urban and rural peer groups had decreases in population of 15.8 and 13.0 percent, respectively (Table 4).

Natural Increase

In 2011, the rate of natural increase (the birth rate minus the death rate) was 5.1 persons per 1,000 population, down 8.9 percent from the

rate of 5.6 persons per 1,000 population recorded in 2010. Over the past 20 years (1992-2011), the rate of natural increase has fluctuated between a maximum of 6.3 persons per 1,000 population (1992, 2007) and a minimum of 5.0 persons per 1,000 population (1996) (Figure 5).

The population of Kansas increased about 211,000 from the 1990 Census to the 2000 Census, and by about 165,000 from the 2000 Census to the 2010 Census. Natural increase accounted for about 68 percent (144,000) of the increase in population in the 1990s, but it accounted for almost 96 percent (158,000) of the increase in population in the 2000s. Net in-migration accounted for about 32 percent (67,000) of the population increase in the 1990s, but it accounted for only about 4 percent (7,000) in the 2000s.

Median Age

The median age of Kansans in 2011 was 36.0 years, a 7.5 percent increase from the median age of 33.5 in 1992. The median ages of Kansas males and females in 2011 were 34.7 and 37.4 respectively (Figure 6, Table 6).

Population Characteristics

The percent increase in the Kansas total population from 1992-2011 was 13.8 percent, including a 15.1 percent increase for Kansas males and a 12.6 percent increase for Kansas females. Shifts in the Kansas population distribution by age from 1992 to 2011 included decreases in the 25-34 and 35-44 age groups of 3.3 and 11.6 percent respectively. An increase of 56.5 percent in residents 45-54 years of age and 69.6 percent in residents 55-64 reflected the aging of the baby boomers. Furthermore, there were 9.1, 3.6, 16.1, 4.8 and 14.0 percent increases in the 0-4, 5-14, 15-24, 65-74 and 75 and over age-groups respectively (Figure 7, Table 6).

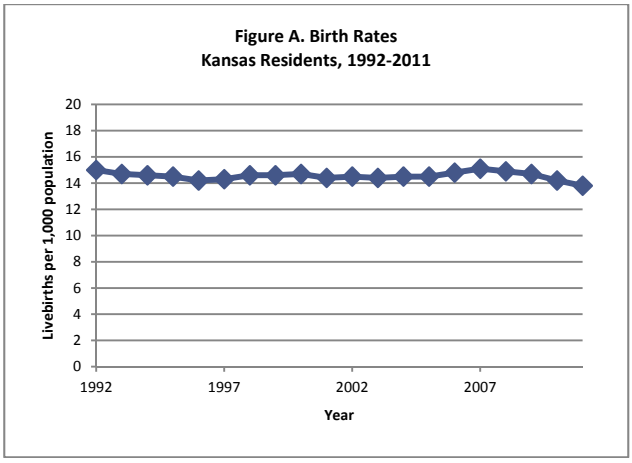
According to the 2011 Census Bureau estimates, 77.8 percent of Kansans were White non-Hispanic and 5.8 percent were Black non-Hispanic. Hispanics made up 10.8 percent of Kansas' population (Tables 7 and 8).

Births

During 2011, there were 39,628 live births to residents of Kansas. This was a decrease of 2.0 percent from the 40,439 births reported in 2010. The birth rate decreased 2.8 percent, from 14.2 births per 1,000 population in 2010 to 13.8 births per 1,000 population in 2011 (Table 9).

The 2011 birth rate (13.8) is the lowest Kansas birth rate in the period from 1912 to date (the entire period in which KDHE and its predecessors have maintained the Kansas Vital Records system). The only year with a similar birth rate was 1973, with a rate of 13.9 births per 1,000 population (Figure 10).

Over the past 20 years (1992-2011), the Kansas birth rate has fluctuated between a peak of 15.1 births per 1,000 population (reported in 2007) and a low of 13.8 births per 1,000 population (reported in 2011) (Figure A). Birth rates decreased for several years in a row from 1992 to 1996, and from 2008 to 2011 (Table 11, Figure 10).



Population Group Statistics

In 2011, there were 28,382 births to resident White non-Hispanic mothers, a decrease of 2.1 percent from the 29,000 births reported in 2010. The birth rate for White non-Hispanic mothers decreased 2.3 percent, from 13.0 births per 1,000 population in 2010 to 12.7 births per 1,000 population in 2011 (Table 8, Table 29).

There were 6,293 births to Hispanic mothers in 2011, a decrease of 1.8 percent from the 6,407 births reported in 2010. The birth rate for His-

panic mothers decreased 5.1 percent, from 21.4 births per 1,000 population in 2010 to 20.3 births per 1,000 population in 2011.

There were 2,708 births to Black non-Hispanic mothers in 2011, a decrease of 2.6 percent from the 2,780 births reported in 2010. The birth rate for Black non-Hispanic mothers decreased 4.7 percent, from 17.1 births per 1,000 population in 2010 to 16.3 births per 1,000 population in 2011 (Table 29, Table 8).

Fertility Rates

The number of Kansas females in the main child-bearing age bracket (ages 15-44) increased fairly steadily from 559,749 in 1992 to 574,617 in 1999, then decreased to 556,582 in 2011. The fertility rate decreased 4.1 percent from 1992 to 1996 (from 67.6 to 64.8 live births per 1,000 females aged 15-44), then increased 16.5 percent from 1996 to 2007 (from 64.8 to 75.5 live births per 1,000 females aged 15-44). From 2007 to 2011, the fertility rate declined by 5.7 percent (from 75.5 to 71.2 live births per 1,000 females aged 15-44) (Table 12, Figure 11).

Of the 39,628 resident births in 2011, there were 20,376 males and 19,252 females, for a natal sex ratio of 105.8 male births to 100.0 female births. In most populations, this ratio is in the range of 104-106, although some populations experience ratios as low as 103 or as high as 107, even in the absence of deliberate sex selection[1] (Table 13).

Low Birth Weight

During 2011, low birth-weight (under 2,500 grams) infants accounted for 2,867 or 7.2 percent of births to Kansas resident mothers. Low birth-weights were more common for Black non-Hispanic mothers (13.5%) than for White non-Hispanic (6.7%) or Hispanic (6.6%) mothers. High birth-weight (4,000 grams and over) infants accounted for 3,120, or 7.9 percent of births to Kansas resident mothers. High birth-weights were more common for White non-Hispanic mothers (8.7%) than for Hispanic (7.2%) or Black non-Hispanic (3.6%) mothers (Table 27).

[1] UNFPA Guidance Note on Prenatal Sex Selection, p. 11.

Gestation

Infants born at birth-weights less than the 10th percentile of all other infants at the same gestational age (lowest 9.9 percent) are considered small for gestational age (SGA). Table 22 uses birth-weights from 2011 births for the state of Kansas as a whole as the reference in establishing the cutoff point. The table enables a county to compare its SGA rate to that of the state. While a number of counties have high SGA rates, they are based on a relatively low number of births.

Mother's Age

Of the 39,628 resident births in 2011, 8.9 percent (3,545) were to mothers under the age of 20; 57.5 percent (22,804) were to mothers 20-29 years of age; 31.6 percent (12,533) were to mothers 30-39 years of age; and 1.9 percent (743) were to mothers aged 40 or over (Table 25).

Of the 28,382 resident births to White non-Hispanic mothers, 1,973 (7.0%) were to mothers under the age of twenty. Of the 2,708 births to Black non-Hispanic mothers, 400 (14.8%) were to mothers under the age of 20. Of the 6,293 births to Hispanic mothers, 974 (15.5%) births were to mothers under the age of 20 (Table 8, Figure 18).

First Trimester Care

Prenatal care data was provided for 37,917 out of 39,628 (95.7%) live births in 2011. Prenatal care began in the first trimester for 29,618 live births (77.3 percent of live births where prenatal care data was available), in the second trimester for 6,962 live births (18.2%), and in the third trimester for 1,337 live births (3.5%). No prenatal care was indicated for 378 live births (1.0%).

White non-Hispanic mothers started prenatal care in the first trimester in 82.0 percent of live births (22,871). Black non-Hispanic mothers started prenatal care in the first trimester in 64.8 percent of live births (1,616). Hispanic mothers started prenatal care in the first trimester in 61.8 percent of live births (3,602) (Table 26).

Prenatal Care Status

Of the 37,773 Kansas resident live births in 2011 for which the adequacy of prenatal care utilization (APNCU) category could be determined, 81.8 received adequate or better prenatal care, including 32.3 percent with adequate-plus care. About eighteen percent (18.2) received less than adequate prenatal care, including 12.9 percent with inadequate care (Table 18).

Mother's Weight Gain

Among singleton Kansas live births, 20.3 percent of mothers gained less than the recommended weight during pregnancy, 31.3 percent gained the recommended weight, and 48.4 percent gained more than the recommended amount (Table 23).

Marital Status

During 2011, 14,749 (37.2%) of the 39,628 resident live births in Kansas were to unmarried mothers. There were 8,676 (30.6%) out-of-wedlock births to White non-Hispanic mothers; 2,003 (74.0%) to Black non-Hispanic mothers; and 3,360 (53.4%) to Hispanic mothers (Table 26, Table 30).

The percentage of out-of-wedlock births declined in 2011 for the first year since 1951, from 37.7 percent in 2010 to 37.2 percent in 2011. However, out-of-wedlock births were 53.5 percent higher than the 24.3 percent of live births reported in 1992 (Figure 16).

Delivery Method

Vaginal delivery was the most common final route of delivery for most Kansas resident live births in 2011 (27,671 live births, or 69.8% of all live births for which the final route of delivery was known). Most vaginal deliveries were "spontaneous," meaning no mechanical procedures like forceps or vacuum extraction were required (26,061 deliveries, or 65.8% of live births for which the final route was stated). Other vaginal deliveries (forceps assisted or vacuum extraction) accounted for 1,610 live births (4.1%). Cesarean deliveries accounted for 11,950 live births (30.2%). White non-Hispanic mothers delivered via cesarean section in 8,739 live births (30.8%), Black non-Hispanic mothers in 874 live births (32.3%), and Hispanic mothers in 1,679 live births (26.7%). There were 7 deliveries for which the final route of delivery was not recorded (Table 28).

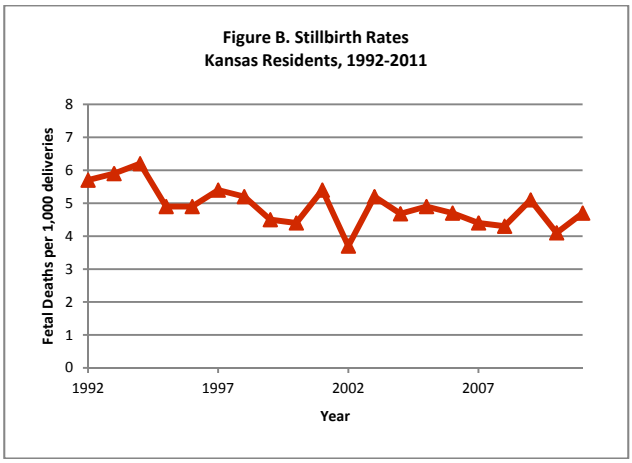
Tobacco Use

Tobacco use at any time during pregnancy or three month prior to pregnancy was reported for 5,704 births in 2011, amounting to fifteen (14.5) percent of births for which tobacco usage was reported. Tobacco use was known for 39,441 of the 39,628 births (99.5%) in 2011. Reported tobacco usage was highest in the three months immediately prior to pregnancy (6,732, or 17.1%) and decreased gradually with each trimester: to 5,625, or 14.3 percent in the first trimester; then to 4,978, or 12.6 percent in the second trimester; and finally to 4,795, or 12.2 percent in the third trimester (Table 21).

Stillbirths

During 2011 there were 188 stillbirths reported for Kansas resident mothers, an increase of 11.9 percent from the 168 stillbirths reported in 2010. The stillbirth rate was 4.7 per 1,000 live births plus stillbirths, an increase of 14.6 percent from the rate of 4.1 stillbirths per 1,000 live births plus stillbirths in 2010 (Table 35).

In 2011 the stillbirth rate (per 1,000 deliveries) was 3.8 for White non-Hispanics, 9.1 for Black non-Hispanics, and 6.8 for Hispanics (Figure 20).



Over the past twenty years (1992-2011), stillbirth rates have fluctuated, but Poisson regression indicates that the general trend has been downward (Figure B).

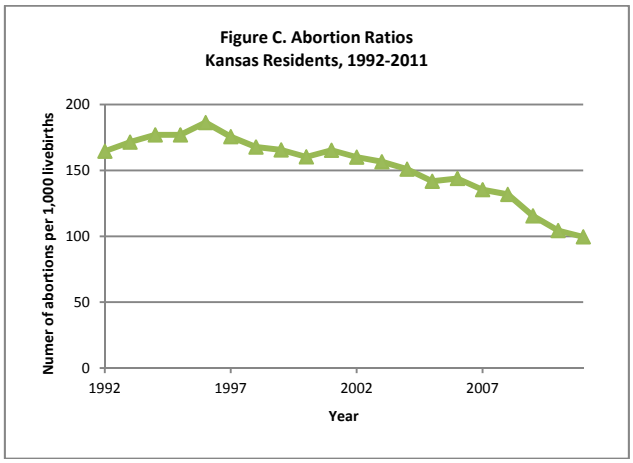
Of all stillbirths in 2011, 87.8 percent were attributed to conditions originating in the perinatal period, 10.1 percent to congenital anomalies, and 2.1 percent to all other causes (Table 45).

Abortions

In 2011, there were 3,946 abortions performed for Kansas residents, of which 3,849 were performed in Kansas, and 97 were performed out-of-state. There were also 3,939 abortions performed in Kansas for non-residents (Table 38).

Abortion Ratios

The abortion ratio for Kansas residents in 2011 was 99.6 abortions per 1,000 live births, a decrease of 4.6 percent from the 104.4 ratio in 2010. The 2011 abortion ratio was the lowest in the past twenty years (1992-2011), down from a peak of 186.3 abortions per 1,000 live births in 1996 (Figure C) (Table 39, Figure 21).



The abortion ratio for Kansas residents in 2011 varied substantially by age-group of mother. The highest ratio (346.2 per 1,000 live births) was recorded for mothers under 15 years of age, while the lowest (69.1 per 1,000 live births) was recorded for mothers in the 30-34 age group (Figure 22).

The abortion ratio for White non-Hispanics was 82.7 abortions per 1,000 live births (2,348 resident abortions); for Black non-Hispanics it was 221.2 (599 resident abortions); and for Hispanics it was 87.1 (548 resident abortions) (Table 39).

Gestation at Termination

In 2011, 64.2 percent of Kansas resident abortions occurred prior to nine completed weeks of gestational age. Eighty-eight percent (88.3) were performed prior to the 13th week of gestation. Slightly more than five percent (5.3) of Kansas resident teenage women obtained an abortion after 16 weeks gestation, compared to 4.2 percent aged 20 or over (Table 39).

Marital Status

Slightly more than eighty-five percent (85.3) of all reported abortions in 2011 were to unmarried women. Among Black non-Hispanic women in this group, 92.3 percent were unmarried, while 84.9 percent of White non-Hispanic women and 81.8 percent of Hispanic women were unmarried (Table 40).

Teen Pregnancy

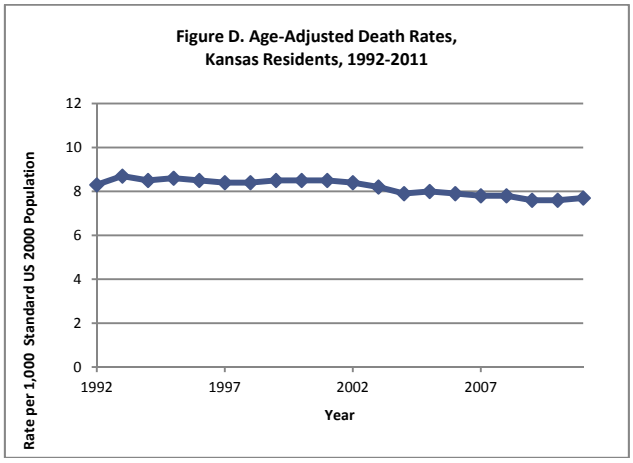
It is important to look at all reported pregnancies to analyze fertility. The number of pregnancies is the sum of live births, reported stillbirths, and reported induced abortions. The total number of pregnancies for mothers under 20 years of age in 2011 was 4,095, down 9.0 percent from 4,501 pregnancies in 2010. The pregnancy rate for mothers under 20 years of age in 2011 was 20.9 pregnancies per 1,000 female age-group population, a decline of 9.5 percent from a rate of 23.1 pregnancies per 1,000 female age-group population in 2010. This was the lowest pregnancy rate for this age-group in the past twenty years (1992-2011), down from a peak of 35.2 pregnancies per 1,000 female age-group population in 1993 (Table 31, Figure 19).

Deaths

There were 25,114 Kansas resident deaths recorded in 2011, an increase of 2.8 percent from the 24,428 deaths recorded in 2010. The Kansas crude death rate in 2011 was 8.7 deaths per 1,000 population, which was 8.8 percent higher than the estimated US crude rate of 8.0 deaths per 1,000 population (Table 43, Figure 26).

The Kansas age-adjusted death rate (see Technical Notes for a discussion of age-adjusted rates) for 2011 was 7.7 deaths per 1,000 standard U.S. 2000 population, an in-

crease of 1.3 percent from an age adjusted rate of 7.6 in 2010. The age-adjusted death rate for males (9.0) was 36.4 percent higher than that for females (6.6) (Table 53).



The Kansas age-adjusted death rate has declined in most of the past twenty years (1992-2011), and in 2011 was 11.5 percent below its peak for the period (8.7, in 1993) (Figure D) (Figure 30, Table 53).

Age at Death

The average age at death of Kansas residents in 2011 was 74.4 years, a 0.4 percent increase from the average age at death of 74.1 years in 2010 (Table 56).

Average age at death varied by sex and population group. In 2011, males died 7.2 years younger than females (70.7 versus 77.9 years). The average age at death for the White non-Hispanic population was 75.7 years, 11.7 years older than that of the Black non-Hispanic population (64.0 years), and 16.8 years older than that of the Hispanic population (58.9 years) (Table 56).

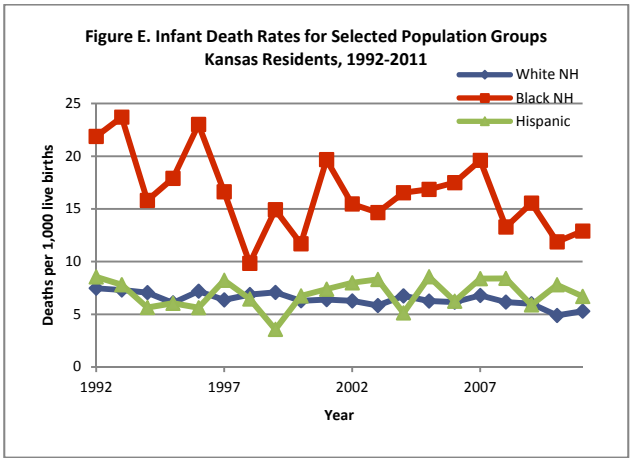
About 63 percent (62.8) of White non-Hispanic Kansas residents who died in 2011 were 75 years of age or older, while only 35.5 percent of deceased Black non-Hispanic residents and 37.2 percent of deceased Hispanic residents had reached the age of 75 (Table 56).

Infant Mortality

There were 247 infant deaths to Kansas residents in 2011, a decrease of 2.4 percent from 253 infant deaths in 2010 (Table 49).

The infant mortality rate for Kansas residents in 2011 was 6.2 infant deaths per 1,000 live births, a decrease of 1.6 percent from a rate of 6.3 in 2010. The rate for White non-Hispanic mothers was 5.3 deaths per 1,000 live births, an increase of 8.2 percent from the rate of 4.9 in 2010. The rate for Black non-Hispanic mothers was 12.9 deaths per 1,000 live births, an increase of 8.4 percent from the rate of 11.9 in 2010. The rate for Hispanic mothers was 6.7 deaths per 1,000 live births, a decrease of 14.1 percent from the rate of 7.8 in 2010. Caution should be used in interpreting these changes due to the relatively small number of occurrences and yearly fluctuations (Table 48).

Infant death rates for Black non-Hispanic mothers have consistently remained higher than those of White non-Hispanic and Hispanic mothers for the past twenty years (1992-2011). Rates for Hispanic mothers have sometimes been higher and sometimes lower than those for White non-Hispanic mothers (Figure E).



Infant Age at Death

Infants are at highest risk of death within the first month of life. In 2011, 40.1 percent of all infant deaths occurred in the first day of life, 49.0 percent occurred within the first seven days of life (the hebdomadal period), and 63.6 percent occurred within the first 28 days of life (the neonatal period) (Table 50).

The components of perinatal period III mortality (see definition in Technical Notes) moved in opposite directions from 2010 to 2011; stillbirths increased 11.9 percent, while hebdomadal deaths decreased 15.4 percent. There were

309 perinatal period III deaths in 2011, for a death rate of 7.8 deaths per 1,000 live births plus stillbirths, a decrease of 22.0 percent from the 1992 rate of 10.0 (Table 46).

Of all infant deaths in 2010, 44.1 percent were attributed to conditions originating in the perinatal period, 23.9 percent to congenital anomalies, 10.5 percent to sudden infant death syndrome (SIDS), and 21.5 percent to all other causes (Table 50).

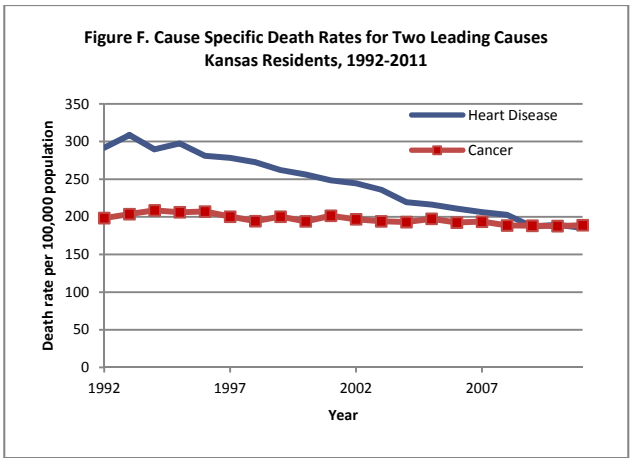
Maternal Mortality

In the 2008 report, Kansas adopted the definition of "maternal death" used by the National Center for Health Statistics (NCHS), and introduced a new category called "other pregnancy associated deaths." Please see the Technical Notes for full definitions. The new categories were applied retroactively to 2005; before 2005 the Kansas death certificate lacked an important field needed to identify pregnancy associated deaths. In 2011, there were four maternal deaths and sixteen other pregnancy related deaths, an increase of one from 2010, when there were seven maternal deaths and twelve other pregnancy related deaths (Figure 29).

Leading Causes of Death

The ten leading causes of death in Kansas remained unchanged from 2010 to 2011, though their order changed in some cases. Malignant neoplasms returned as the leading cause of death after being displaced by heart disease in 2010. Unintentional injuries rose one position, switching places with cerebrovascular disease. Pneumonia and influenza rose one position, switching places with nephritis, nephrotic syndrome, and nephrosis (positions 8 and 9). All other rankings in the ten leading causes remained unchanged.

None of the changes in age-adjusted death rate for the ten leading causes was statistically significant; for each of the ten leading causes, the confidence interval for the 2011 age-adjusted death rate overlapped the confidence interval for the 2010 age-adjusted death rate. The ten leading causes of death accounted for 72.4 percent of all Kansas resident deaths in 2011 (Table 60).



Historical cause-specific (crude) death rates over the past twenty years illustrate the convergence of heart disease and malignant neoplasms (cancer) mortality (Figure F). Mortality due to both diseases has declined, but heart disease deaths have declined much more rapidly than cancer deaths. In 2011, the heart disease death rate was 185.3 deaths per 100,000 population, while the cancer death rate was 188.9 per 100,000 population (Table 59, Figure 31).

Age at Death for Leading Causes

For any given cause of death, there can be wide variations in average age of death by sex of decedent. Males and females who died from malignant neoplasms did so at about the same ages (71.1 and 71.9 years, respectively), but males who died from heart disease did so at younger ages than did females (75.0 and 82.7 years, respectively). Males and females dying from chronic lower respiratory disease did so at about the same ages (76.1 and 77.4 years, respectively), but males dying of cerebrovascular disease did so at younger ages than did females (77.6 and 82.4 years, respectively). Males and females died from suicide at about the same average ages (45.3 and 44.1, respectively), but males died from unintentional injuries at much younger ages than females (51.9 and 63.9 years, respectively). Alzheimer's disease killed at the highest average ages for males and females (85.2 and 87.7 years respectively) (Table 59).

The leading causes of death also varied by age-group. In 2011, the leading cause of death for infants (up to one year of age) was congeni-

tal anomalies. For age-groups 1-4, 5-14, 15-24, and 25-44 the leading cause of death was unintentional injuries. For age-groups 45-64 and 65-84 the leading cause of death was cancer, and for ages 85 and above the leading cause of death was heart disease (Figure 32).

For the 15-24 age-group, unintentional injuries were followed by suicide and homicide as leading causes of death. Together, they accounted for 77.8 percent of deaths in this age-group (Table 58).

Cerebrovascular Disease

Kansas death rates from cerebrovascular disease decreased to 46.4 per 100,000 population in 2011, down 3.1 percent from a rate of 47.9 per 100,000 population in 2010. This is the lowest death rate due to cerebrovascular disease in the past twenty years (1992-2011) (Table 60, Figure 31).

External Causes

In 2011, the unintentional injury death rate was 47.3 deaths per 100,000 population, an increase of 0.2 percent from the rate of 47.2 in 2010. The 2011 rate was the highest unintentional injury death rate in the past twenty years (Table 60, Figure 31).

Motor-vehicle injuries resulted in 416 deaths in 2011, accounting for 30.6 percent of 1,358 unintentional injury deaths. This was a decrease of 11.5 percent from 470 motor-vehicle injury deaths in 2010 (Table 64).

Suicide

In 2011, 384 Kansas residents died due to suicide, down 6.1 percent from 409 suicide deaths in 2010. Over four-fifths (80.5%) of suicide victims were male. The two age groups with the largest number of suicides were 45-54 (77 deaths) and 15-24 (67 deaths). The three most common methods of suicide were firearms (230 deaths), suffocation (86 deaths), and poisoning (51 deaths) (Table 65, Table 72).

YPLL 75 Statistics

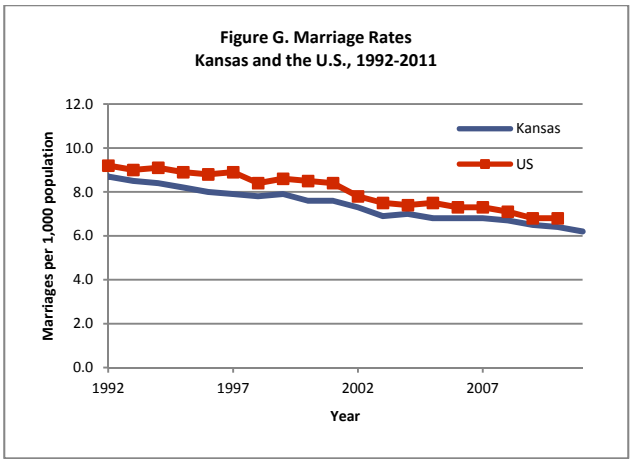
Mortality in Kansas was responsible for 186,682 years of potential life lost before age 75 in 2011 (see Technical Notes – Years of Potential Life Lost). Cancer, unintentional injury, and heart disease accounted for the most years of potential life lost (40,211, 30,084, and 24,339 years lost, respectively). Men lost more than twice the potential years of life to unintentional injuries than did women (20,791 years and 9,293 years, respectively) (Table 69).

Tobacco and Mortality

Tobacco use contributed to 3,409 deaths in Kansas in 2011 (23.0 percent of the deaths where the tobacco contribution was known). Tobacco use was a contributing factor in 29.8 percent of male deaths, and in 17.1 percent of female deaths. The causes of death showing the largest tobacco contribution were chronic lower respiratory disease (83.4%), cancer of the trachea, bronchus and lung (82.6%), and ischemic heart disease (32.5%). (Table 71) Physicians and coroners can state on the death certificate whether tobacco contributed to the death. Because information may not be available at the time the death certificate is completed, tobacco's contribution may be subject to some under-reporting.

Marriages

In 2011, 17,897 marriages occurred in Kansas, a decrease of 1.4 percent from the 2010 total of 18,150 marriages (Table 74).



The Kansas marriage rate in 2011 was 6.2 marriages per 1,000 population. This the lowest Kansas marriage rate in the past twenty years (1992-2011), 28.7 percent below the 1992 peak for the period of 8.7 marriages per 1,000 population (Figure G). For the entire period, Kansas marriage rates have been lower than U.S. marriage rates (Figure 36).

Marriage Characteristics

First-time marriages made up more than half of the marriages in Kansas for the twelfth consecutive year. In 2011, 55.5 percent of all marriages involved first-time partners (Table 78).

More marriages occurred in June (11.8%) than any other month in 2011. July and September were the second and third most popular months (Figure 38).

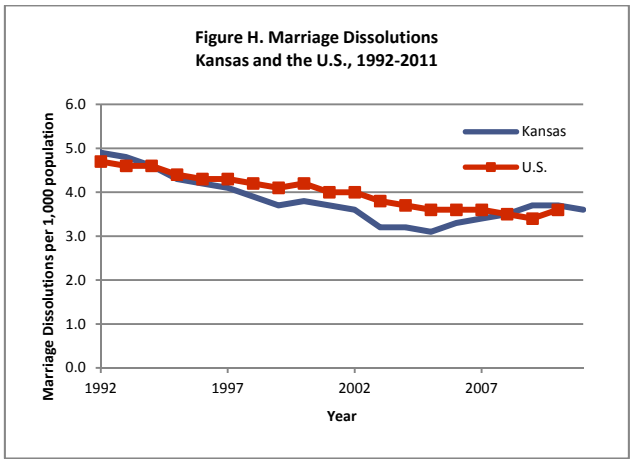
Kansas couples are delaying marriage. In 1992, 11.8 percent of the brides and 4.5 percent of the grooms were under 20 years of age. In 2011, however, only 6.4 percent of the brides and 2.6 percent of the grooms were under 20 (Table 79).

Age at Marriage

The average age of all brides in 2011 was 30.4 years and that of grooms was 32.6 years. Women marrying for the first time averaged 25.4 years while first time grooms averaged 27.3 years. Of those persons who remarried in 2011, women were, on average, 40.0 years old and men were 42.9 years of age (Figure 39).

Marriage Dissolutions

In 2011, 10,445 marriage dissolutions (10,183 divorces and 262 annulments) occurred in Kansas, a decline of 1.3 percent from the 2010 total of 10,579 (Table 75 and Table 81).



The Kansas marriage dissolution rate in 2011 was 3.6 per 1,000 population, which was 26.5 percent lower than the 1992 rate of 4.9 (Figure H). Kansas reported a higher marriage dissolution rate than the U.S. from 1952 to 1994. However, in 1995, the state's rate (4.3) dropped below the U.S. rate (4.4) and remained below the national norm until 2008. U.S. rates for 2011 had not been released at the time this summary was written (Figure 37).

The ratio of marriages to divorces in Kansas in 2011 was 1.7:1 (Table 74, Table 75).

Age at Marriage Dissolution

The most common age-group of husbands involved in marriage dissolutions in 2011 was 30-34; the most common age-group of wives involved in marriage dissolutions was also 30-34. For couples of the same age-group, the most common age-group was 25-29 (Table 80).

The average age at marriage dissolution in 2011 was 37.9 years for wives and 40.1 years for husbands, as compared to 33.8 years for wives and 36.1 years for husbands in 1992 (Figure 40).

Marriage Dissolution Characteristics

In 2011, 33.9 percent of marriages ending in divorce or annulment lasted four years or less (Table 81).

There were 9,885 minor children affected as a result of marriage dissolutions in 2011. At least one minor child was reported to be involved in half (51.8%) of the marriage dissolutions (Table 82, Figure 41).

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VITAL EVENTS

Table 1
Selected Vital Events and Percent Change
Kansas, 2011, 2010 and 1992

Vital Event	2011	2010	Percent Change 2010-2011	1992	Percent Change 1992-2011
Live Births	39,628	40,439	-2.0	37,848	4.7
Out-of-Wedlock Births	14,749	15,241	-3.2	9,183	60.6
Stillbirths	188	168	11.9	216	-13.0
Hebdomadal Deaths	121	143	-15.4	165	-26.7
Perinatal Period lll Deaths	309	311	-0.6	381	-18.9
Neonatal Deaths	157	170	-7.6	199	-21.1
Infant Deaths	247	253	-2.4	332	-25.6
Maternal Deaths	4	7	-42.9	2	100.0
Deaths	25,114	24,428	2.8	22,052	13.9
Marriages	17,897	18,150	-1.4	21,845	-18.1
Marriage Dissolutions	10,445	10,579	-1.3	12,365	-15.5
Abortions	3,946	4,223	-6.6	6,231	-36.7

Residence data are presented for births, deaths, abortions
Occurrence data are presented for marriages and marriage dissolutions

EVERY DAY DURING 2011*

Each day Kansas residents experienced approximately…

109 Live births
- 40 Out-of-wedlock live births
- 10 Live births to teenagers
- 8 Low birth weight live births
- <1 Infant death

67 Deaths
- 15 Cancer
- 15 Heart disease
- 4 Cerebrovascular disease
- 5 Chronic lower respiratory disease
- 4 Unintentional Injuries
- 2 Alzheimer's disease
- 2 Diabetes
- 2 Pneumonia and influenza
- 2 Nephritis, nephrotic syndrome, nephrosis
- 1 Suicide

Each day in Kansas there occurred approximately…

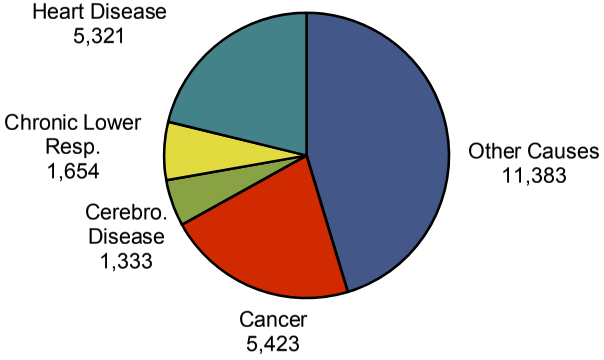
49 Marriages
29 Marriage dissolutions
21 Abortions

Figure 1

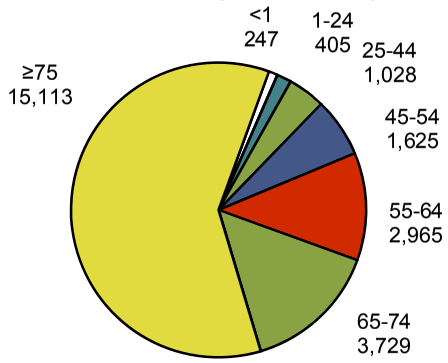
* Based on 365 Days in 2011

Kansas Vital Statistics for 2011

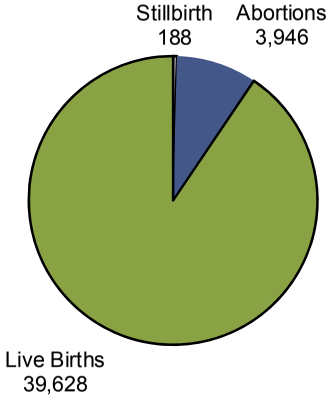
Deaths*
Total 25,114

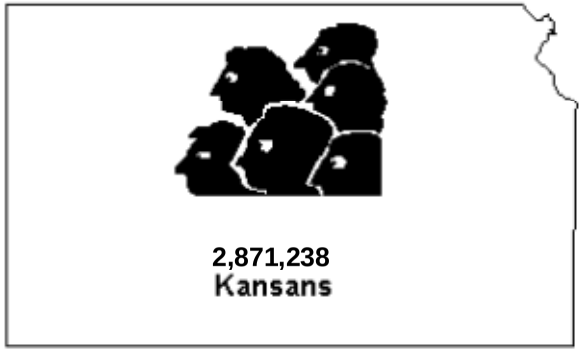


Deaths by Age-Group*
(Years; 2 N.S.)

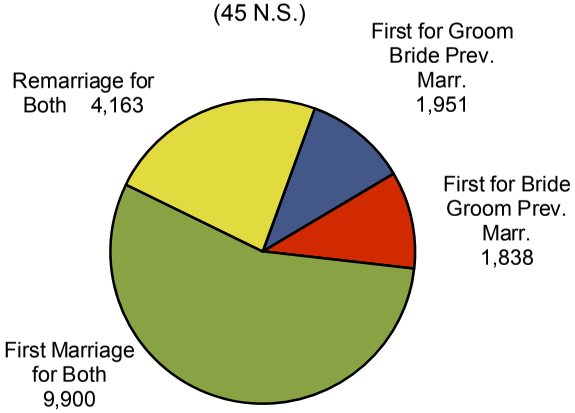


Pregnancy Outcomes*





Marriages† by Marriage Order
Total 17,897
(45 N.S.)



Marriage Dissolutions†
By Duration of Marriage
Total 10,445
(97 N.S.)

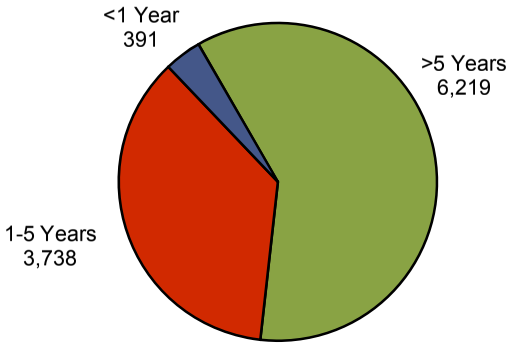


Figure 2

* Residence Data
† Occurrence Data

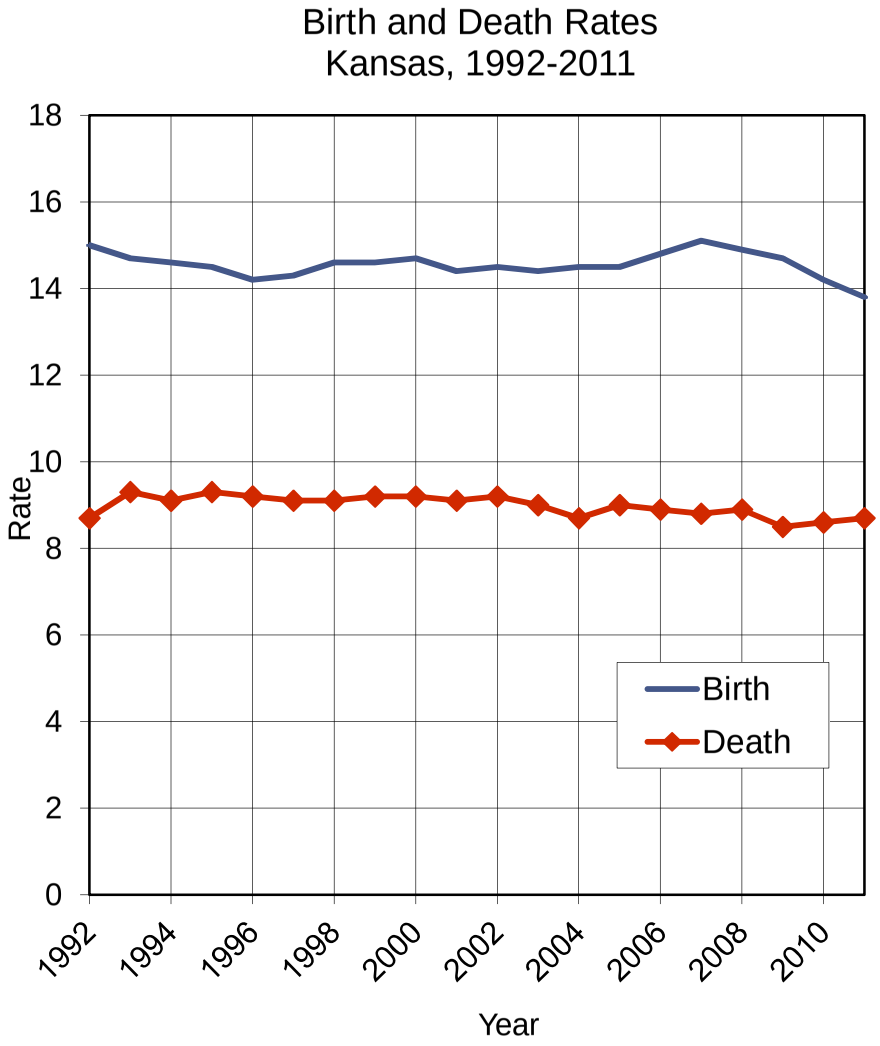
Table 2
Selected Vital Event Percents, Rates, and Ratios
Kansas, 1992-2011

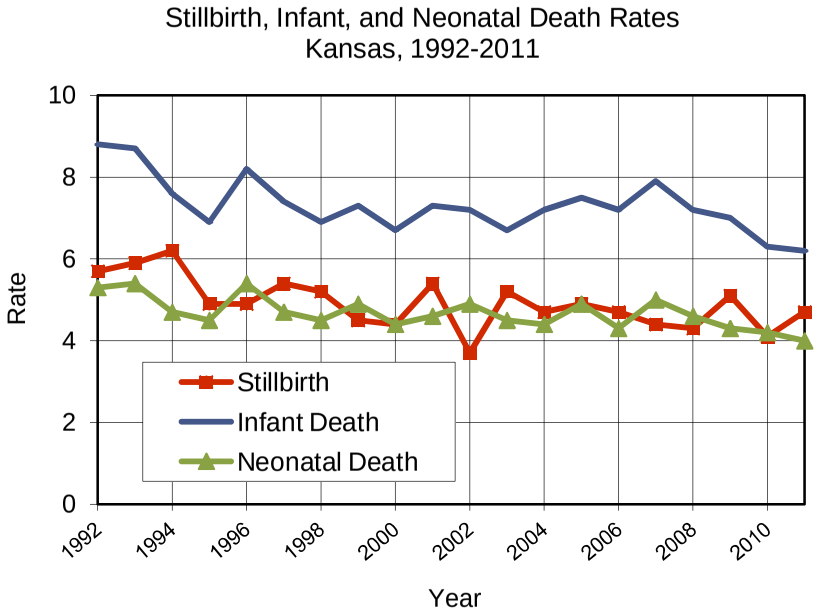
Vital Event	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Live Births																				
Number	37,848	37,283	37,269	37,087	36,524	37,191	38,372	38,748	39,654	38,832	39,338	39,353	39,553	39,701	40,896	41,951	41,815	41,388	40,439	39,628
Rate*	15.0	14.7	14.6	14.5	14.2	14.3	14.6	14.6	14.7	14.4	14.5	14.4	14.5	14.5	14.8	15.1	14.9	14.7	14.2	13.8
Out-of-Wedlock Births																				
Number	9,183	9,599	9,653	9,594	9,798	10,260	10,657	11,068	11,491	11,592	12,129	12,345	12,897	13,492	14,376	15,252	15,754	15,572	15,241	14,749
Percent†	24.3	25.7	25.9	25.9	26.8	27.6	27.8	28.6	29.0	29.9	30.8	31.4	32.6	34.0	35.2	36.4	37.7	37.6	37.7	37.2
Stillbirths																				
Number	216	222	231	183	179	202	199	175	177	209	146	206	186	194	192	186	182	213	168	188
Rate‡	5.7	5.9	6.2	4.9	4.9	5.4	5.2	4.5	4.4	5.4	3.7	5.2	4.7	4.9	4.7	4.4	4.3	5.1	4.1	4.7
Hebdomadal Deaths																				
Number	165	171	140	134	157	147	132	159	146	148	155	138	144	153	137	163	160	144	143	121
Rate§	4.4	4.6	3.8	3.6	4.3	4.0	3.4	4.1	3.7	3.8	3.9	3.5	3.6	3.9	3.3	3.9	3.8	3.5	3.5	3.1
Perinatal Period III Deaths																				
Number	381	393	371	317	336	349	331	334	323	357	301	344	330	347	329	349	342	357	311	309
Rate‡	10.0	10.5	9.9	8.5	9.2	9.3	8.6	8.6	8.1	9.1	7.6	8.7	8.3	8.7	8.0	8.3	8.1	8.6	7.7	7.8
Neonatal Deaths																				
Number	199	201	177	166	199	173	172	189	174	178	192	177	176	196	176	211	193	176	170	157
Rate§	5.3	5.4	4.7	4.5	5.4	4.7	4.5	4.9	4.4	4.6	4.9	4.5	4.4	4.9	4.3	5.0	4.6	4.3	4.2	4.0
Infant Deaths																				
Number	332	325	285	256	299	274	263	281	266	285	282	262	284	297	293	333	303	290	253	247
Rate§	8.8	8.7	7.6	6.9	8.2	7.4	6.9	7.3	6.7	7.3	7.2	6.7	7.2	7.5	7.2	7.9	7.2	7.0	6.3	6.2
Maternal Deaths ¶																				
Number	2	3	2	2	2	5	3	4	4	1	2	0	2	6	4	3	7	8	7	4
Rate#	5.3	8.0	5.4	5.4	5.5	13.4	7.8	10.3	10.1	2.6	5.1	0.0	5.1	15.1	9.8	7.2	16.7	19.3	17.3	10.1
Deaths																				
Number	22,052	23,508	23,219	23,807	23,788	23,609	23,928	24,380	24,676	24,590	24,968	24,417	23,720	24,632	24,489	24,413	24,896	23,997	24,428	25,114
Rate*	8.7	9.3	9.1	9.3	9.2	9.1	9.1	9.2	9.2	9.1	9.2	9.0	8.7	9.0	8.9	8.8	8.9	8.5	8.6	8.7
Marriages																				
Number	21,845	21,527	21,524	21,057	20,657	20,537	20,403	20,905	20,426	20,457	19,783	18,722	19,174	18,745	18,836	18,910	18,717	18,268	18,150	17,897
Rate*	8.7	8.5	8.4	8.2	8.0	7.9	7.8	7.9	7.6	7.6	7.3	6.9	7.0	6.8	6.8	6.8	6.7	6.5	6.4	6.2
Marriage Dissolutions																				
Number	12,365	12,068	11,659	11,029	10,779	10,618	10,363	9,926	10,105	9,885	9,654	8,644	8,759	8,476	9,145	9,347	9,818	10,333	10,579	10,445
Rate*	4.9	4.8	4.6	4.3	4.2	4.1	3.9	3.7	3.8	3.7	3.6	3.2	3.2	3.1	3.3	3.4	3.5	3.7	3.7	3.6
Abortions																				
Number	6,231	6,394	6,596	6,566	6,806	6,532	6,440	6,416	6,356	6,419	6,298	6,163	5,971	5,629	5,886	5,679	5,512	4,780	4,223	3,946
Ratio§	164.6	171.5	177.0	177.0	186.3	175.6	167.8	165.6	160.3	165.3	160.1	156.6	151.0	141.8	143.9	135.4	131.8	115.5	104.4	99.6

Residence data are presented for births, deaths, abortions
Occurrence data are presented for marriages and marriage dissolutions
* Per 1,000 total population
† Per 100 live births
‡ Per 1,000 (live births + still births)
§ Per 1,000 live births
¶ See Technical Notes for Information on updated definition of Maternal Mortality
# Per 100,000 live births

Selected Vital Event Rates

Kansas, 1992-2011





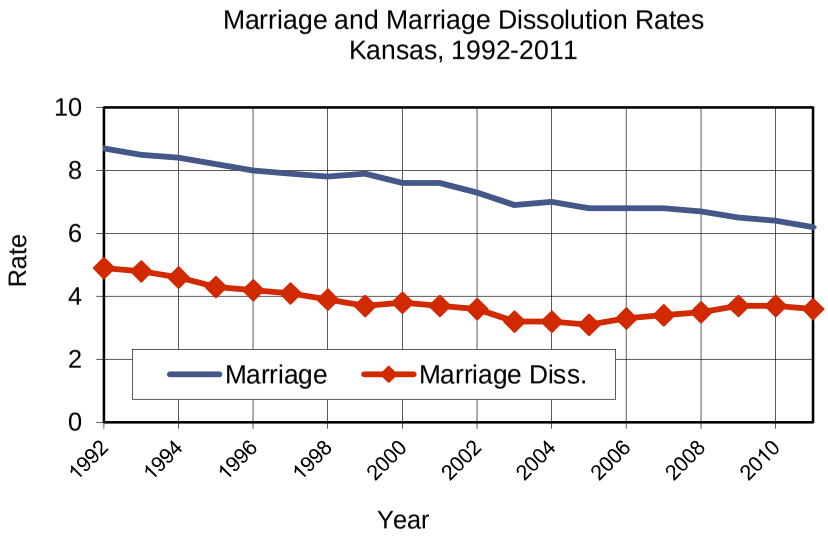


Figure 3

Table 3
Selected Vital Events by Population Group
Kansas, 2011

Births and Birth Rates	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Births	39,628	28,382	2,708	229	1,132	862	6,293	22
Birth Rates†	13.8	12.7	16.3	9.8	15.7	13.2	20.3	n/a

Maternal Characteristics				Number				
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Births to mother <18 years of age	948	458	102	3	14	41	329	1
Births to mother <20 years of age	3,545	1,973	400	26	36	135	974	1
Births to mother with < HS diploma or GED	6,195	2,616	502	39	114	185	2,736	3
Out-of-wedlock births	14,749	8,676	2,003	139	152	411	3,360	8
Fourth and higher birth order#	5,028	3,153	457	39	97	91	1,189	2

Birth Outcomes				Number				
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Low birth weight infants (<2500 grams)	2,867	1,893	365	26	85	77	418	3
Very low birth weight infants (<1500 grams)	527	328	89	4	10	16	78	2
Births with gestational age < 37 weeks	3,598	2,497	364	26	86	91	532	2
				Rate				
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Infant deaths‡	6.2	5.3	12.9	21.8	4.4	10.4	6.7	n/a
Neonatal deaths‡	4.0	3.3	8.5	13.1	2.7	5.8	4.6	n/a
Postneonatal deaths‡	2.3	2.0	4.4	8.7	1.8	4.6	2.1	n/a
Stillbirths§	4.7	3.8	9.1	8.7	4.4	5.8	6.8	n/a
Perinatal§	7.8	6.4	16.8	17.3	6.2	9.2	9.8	n/a

Pregnancy Characteristics				Number				
	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Births to women with prenatal care in first trimester	29,618	22,871	1,616	155	828	534	3,602	12
Births to women with late (3rd trimester) or no prenatal care	1,715	827	197	20	59	53	554	5
Plural births**	1,299	999	113	17	22	24	122	2

Deaths and Death Rates	Total	White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Deaths	25,114	22,581	1,228	180	150	244	699	32
Death Rates†	8.7	10.1	7.4	7.7	2.1	n/a	2.3	n/a
Age-Adjusted death rates¶	767.1	765.0	966.7	1144.3	427.5	n/a	577.1	n/a

* Includes selection of two or more races or other non-specified race
† Rate per 1,000 population
‡ Rate per 1,000 live births
§ Rate per 1,000 live births + Stillbirths
¶ Rate per 100,000 standard U.S. 2000 population
# Number of infants born to mothers who had at least three prior births
** Number of infants who were twins or higher order multiple

POPULATION

Table 4
Population by County and by Peer Group*
Kansas, 2007-2011

County of Residence	2007	2008	2009	2010	2011	Percent Change 2007-2011
Kansas	2,775,997	2,802,134	2,818,747	2,853,118	2,871,238	3.4
Allen	13,414	13,319	13,203	13,371	13,331	-0.6
Anderson	7,908	7,984	7,872	8,102	8,070	2.0
Atchison	16,571	16,481	16,411	16,924	16,793	1.3
Barber	4,786	4,674	4,593	4,861	4,888	2.1
Barton	27,768	27,703	27,464	27,674	27,841	0.3
Bourbon	14,803	14,851	14,884	15,173	14,985	1.2
Brown	10,068	10,009	9,927	9,984	10,010	-0.6
Butler	63,045	63,562	64,084	65,880	65,817	4.4
Chase	2,882	2,804	2,798	2,790	2,817	-2.3
Chautauqua	3,806	3,768	3,745	3,669	3,584	-5.8
Cherokee	21,337	21,082	21,064	21,603	21,385	0.2
Cheyenne	2,801	2,742	2,700	2,726	2,718	-3.0
Clark	2,094	2,108	2,081	2,215	2,143	2.3
Clay	8,685	8,859	8,704	8,535	8,573	-1.3
Cloud	9,382	9,453	9,263	9,533	9,365	-0.2
Coffey	8,454	8,409	8,436	8,601	8,533	0.9
Comanche	1,888	1,950	1,873	1,891	1,884	-0.2
Cowley	34,251	34,065	33,634	36,311	36,272	5.9
Crawford	38,860	38,868	38,869	39,134	39,220	0.9
Decatur	2,955	2,912	2,855	2,961	2,915	-1.4
Dickinson	18,957	19,328	19,015	19,754	19,739	4.1
Doniphan	7,756	7,753	7,624	7,945	7,945	2.4
Douglas	113,488	114,748	116,383	110,826	112,211	-1.1
Edwards	3,106	3,082	3,071	3,037	3,020	-2.8
Elk	3,040	3,047	3,001	2,882	2,811	-7.5
Ellis	27,464	27,801	27,739	28,452	28,742	4.7
Ellsworth	6,310	6,250	6,179	6,497	6,483	2.7
Finney	38,295	40,998	42,074	36,776	37,083	-3.2
Ford	33,340	33,293	33,692	33,848	34,568	3.7
Franklin	26,479	26,562	26,441	25,992	25,931	-2.1
Geary	25,150	31,171	31,751	34,362	35,323	40.4
Gove	2,637	2,548	2,480	2,695	2,697	2.3
Graham	2,607	2,592	2,435	2,597	2,641	1.3
Grant	7,497	7,395	7,353	7,829	7,964	6.2
Gray	5,641	5,688	6,005	6,006	6,113	8.4
Greeley	1,297	1,266	1,234	1,247	1,258	-3.0
Greenwood	6,993	6,861	6,666	6,689	6,644	-5.0
Hamilton	2,632	2,631	2,625	2,690	2,666	1.3
Harper	5,819	5,857	5,667	6,034	5,993	3.0
Harvey	33,493	33,675	34,247	34,684	34,846	4.0
Haskell	4,032	3,919	4,006	4,256	4,285	6.3
Hodgeman	1,971	1,948	1,906	1,916	1,966	-0.3
Jackson	13,420	13,240	13,412	13,462	13,433	0.1
Jefferson	18,467	18,421	18,207	19,126	18,941	2.6
Jewell	3,198	3,142	3,059	3,077	3,096	-3.2
Johnson	526,319	534,093	542,737	544,179	552,991	5.1
Kearny	4,148	4,159	4,169	3,977	3,987	-3.9
Kingman	7,826	7,719	7,571	7,858	7,853	0.3
Kiowa	2,953	2,541	2,322	2,553	2,549	-13.7
Labette	21,973	21,871	21,776	21,607	21,511	-2.1
Lane	1,746	1,743	1,742	1,750	1,749	0.2
Leavenworth	73,603	74,276	75,227	76,227	77,176	4.9
Lincoln	3,285	3,261	3,123	3,241	3,215	-2.1
Linn	9,767	9,616	9,335	9,656	9,612	-1.6
Logan	2,628	2,593	2,549	2,756	2,783	5.9

Table 4
Population by County and by Peer Group*
Kansas, 2007-2011

County of Residence	2007	2008	2009	2010	2011	Percent Change 2007-2011
Lyon	35,981	35,562	33,601	33,690	33,764	-6.2
McPherson	29,196	29,044	28,866	29,180	29,241	0.2
Marion	12,238	12,100	11,982	12,660	12,538	2.5
Marshall	10,186	10,178	10,123	10,117	10,005	-1.8
Meade	4,403	4,359	4,407	4,575	4,531	2.9
Miami	31,078	30,989	30,969	32,787	32,715	5.3
Mitchell	6,307	6,292	6,344	6,373	6,295	-0.2
Montgomery	34,511	34,395	34,254	35,471	34,911	1.2
Morris	5,967	6,037	5,994	5,923	5,888	-1.3
Morton	3,038	2,978	3,031	3,233	3,198	5.3
Nemaha	10,201	10,112	9,968	10,178	10,113	-0.9
Neosho	16,228	16,223	16,046	16,512	16,449	1.4
Ness	2,991	2,945	2,835	3,107	3,120	4.3
Norton	5,422	5,370	5,330	5,671	5,635	3.9
Osage	16,459	16,327	16,104	16,295	16,306	-0.9
Osborne	3,871	3,804	3,849	3,858	3,847	-0.6
Ottawa	6,006	6,026	5,974	6,091	6,119	1.9
Pawnee	6,415	6,291	6,206	6,973	7,011	9.3
Phillips	5,356	5,339	5,272	5,642	5,555	3.7
Pottawatomie	19,396	19,695	19,994	21,604	21,920	13.0
Pratt	9,426	9,411	9,304	9,656	9,676	2.7
Rawlins	2,558	2,503	2,425	2,519	2,512	-1.8
Reno	63,145	63,427	63,357	64,511	64,607	2.3
Republic	4,901	4,812	4,808	4,980	4,907	0.1
Rice	10,080	10,060	10,079	10,083	10,076	0.0
Riley	69,083	71,069	71,341	71,115	72,997	5.7
Rooks	5,160	5,136	4,984	5,181	5,182	0.4
Rush	3,211	3,232	3,143	3,307	3,238	0.8
Russell	6,737	6,641	6,596	6,970	6,956	3.3
Saline	54,583	54,657	54,364	55,606	55,844	2.3
Scott	4,568	4,577	4,560	4,936	4,910	7.5
Sedgwick	476,026	482,863	490,864	498,365	501,076	5.3
Seward	23,109	23,016	23,013	22,952	23,328	0.9
Shawnee	173,476	174,709	176,255	177,934	178,941	3.2
Sheridan	2,493	2,510	2,435	2,556	2,552	2.4
Sherman	5,959	6,013	5,860	6,010	6,054	1.6
Smith	3,951	3,901	3,753	3,853	3,834	-3.0
Stafford	4,387	4,326	4,342	4,437	4,371	-0.4
Stanton	2,162	2,148	2,107	2,235	2,250	4.1
Stevens	5,061	5,056	5,129	5,724	5,613	10.9
Sumner	23,888	23,616	23,488	24,132	23,787	-0.4
Thomas	7,314	7,277	7,343	7,900	7,977	9.1
Trego	2,927	2,882	2,920	3,001	2,930	0.1
Wabaunsee	6,870	6,922	6,846	7,053	7,026	2.3
Wallace	1,456	1,404	1,408	1,485	1,527	4.9
Washington	5,840	5,791	5,683	5,799	5,845	0.1
Wichita	2,200	2,148	2,109	2,234	2,276	3.5
Wilson	9,807	9,698	9,474	9,409	9,300	-5.2
Woodson	3,318	3,285	3,240	3,309	3,292	-0.8
Wyandotte	153,956	154,287	155,085	157,505	158,224	2.8
Peer Group						
Frontier	87,915	86,557	85,038	113,811	113,453	29.0
Rural	273,134	271,777	269,582	238,338	237,591	-13.0
Densely -Settled Rural	422,672	424,887	424,298	476,391	477,364	12.9
Semi-Urban	549,011	558,213	558,505	459,542	462,211	-15.8
Urban	1,443,265	1,460,700	1,481,324	1,565,036	1,580,619	9.5

Source: U.S. Bureau of the Census
* See Technical Notes for Peer Group definition. Several counties changed groups as of the 2010 Census.

Table 5
City Population*
Kansas, 2007-2011

City of Residence	Year 2007	2008	2009	2010	2011	Percent Change 2007-2011
Abilene	6,305	6,400	6,268	6,844	6,839	8.5
Andover	9,898	10,351	10,581	11,791	11,779	19.0
Anthony	2,203	2,224	2,147	2,269	2,253	2.3
Arkansas City	11,168	11,070	10,977	12,415	12,401	11.0
Atchison	10,078	10,402	10,432	11,021	10,943	8.6
Augusta	8,683	8,693	8,743	9,274	9,265	6.7
Baldwin City	4,202	4,308	4,401	4,515	4,569	8.7
Baxter Springs	4,202	4,153	4,144	4,238	4,195	-0.2
Bel Aire	6,704	6,797	6,873	6,769	6,806	1.5
Belleville	1,864	1,832	1,828	1,991	1,963	5.3
Beloit	3,645	3,640	3,665	3,835	3,789	4.0
Bonner Springs	7,069	7,161	7,248	7,314	7,346	3.9
Burlington	2,641	2,679	2,676	2,674	2,654	0.5
Chanute	8,854	8,843	8,738	9,119	9,085	2.6
Cherryvale	2,263	2,253	2,244	2,367	2,330	3.0
Clay Center	4,365	4,442	4,366	4,334	4,354	-0.3
Coffeyville	10,349	10,312	10,244	10,295	10,137	-2.0
Colby	4,826	4,803	4,834	5,387	5,438	12.7
Columbus	3,222	3,185	3,177	3,312	3,278	1.7
Concordia	5,171	5,208	5,109	5,395	5,302	2.5
Derby	22,058	22,517	22,923	22,158	22,279	1.0
De Soto	5,369	5,420	5,488	5,720	5,813	8.3
Dodge City	25,737	25,689	25,955	27,340	27,921	8.5
Edwardsville	4,463	4,462	4,528	4,340	4,360	-2.3
El Dorado	12,596	12,591	12,643	13,021	13,008	3.3
Ellinwood	2,048	2,035	1,977	2,131	2,143	4.6
Ellsworth	2,881	2,858	2,817	3,120	3,113	8.1
Emporia	26,662	26,380	24,868	24,916	24,971	-6.3
Eudora	6,077	6,226	6,260	6,136	6,217	2.3
Eureka	2,607	2,559	2,483	2,633	2,616	0.3
Fairway	3,832	3,843	3,891	3,882	3,945	2.9
Fort Scott	7,915	7,941	7,938	8,087	7,990	0.9
Fredonia	2,424	2,393	2,331	2,482	2,455	1.3
Frontenac	3,194	3,192	3,201	3,437	3,445	7.9
Galena	3,163	3,126	3,119	3,085	3,054	-3.4
Garden City	26,629	28,557	28,532	26,658	26,880	0.9
Gardner	16,462	17,462	17,852	19,123	19,433	18.0
Garnett	3,207	3,222	3,163	3,415	3,402	6.1
Girard	2,753	2,722	2,710	2,789	2,796	1.6
Goodland	4,349	4,388	4,276	4,489	4,522	4.0
Great Bend	15,557	15,564	15,652	15,995	16,092	3.4
Hays	20,106	20,368	20,360	20,510	20,717	3.0
Haysville	10,193	10,364	10,496	10,826	10,883	6.8
Herington	2,421	2,451	2,395	2,526	2,525	4.3
Hesston	3,701	3,741	3,829	3,709	3,725	0.6
Hiawatha	3,188	3,169	3,182	3,172	3,181	-0.2
Hillsboro	2,666	2,638	2,613	2,993	2,969	11.4
Hoisington	2,889	2,883	2,797	2,706	2,723	-5.7
Holton	3,312	3,258	3,289	3,329	3,322	0.3
Hugoton	3,412	3,411	3,455	3,904	3,829	12.2
Hutchinson	40,668	40,889	40,795	42,080	42,142	3.6
Independence	9,277	9,245	9,198	9,483	9,332	0.6
Iola	5,843	5,782	5,719	5,704	5,687	-2.7
Junction City	15,576	20,671	20,932	23,353	24,015	54.2
Kansas City	142,320	142,562	143,209	145,786	146,453	2.9

Table 5
City Population*
Kansas, 2007-2011

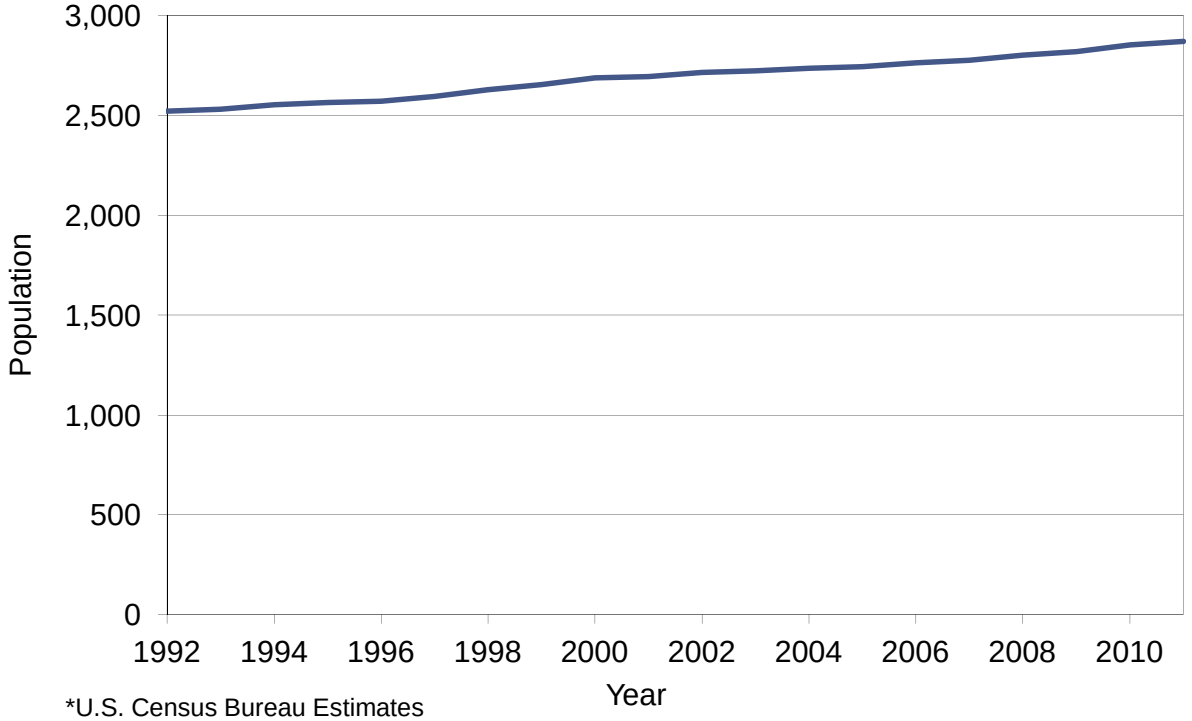
City of Residence	Year 2007	2008	2009	2010	2011	Percent Change 2007-2011
Kingman	3,056	2,996	2,931	3,177	3,176	3.9
Lansing	10,680	10,691	10,804	11,265	11,385	6.6
Larned	3,675	3,599	3,540	4,054	4,080	11.0
Lawrence	89,852	90,520	92,048	87,643	88,727	-1.3
Leavenworth	34,787	34,729	35,081	35,251	35,675	2.6
Leawood	31,012	31,342	31,766	31,867	32,389	4.4
Lenexa	45,681	46,822	48,087	48,190	48,972	7.2
Liberal	20,128	20,074	20,048	20,525	20,861	3.6
Lindsborg	3,262	3,245	3,224	3,458	3,465	6.2
Louisburg	3,787	3,940	3,906	4,315	4,305	13.7
Lyons	3,471	3,399	3,400	3,739	3,736	7.6
McPherson	13,487	13,396	13,323	13,155	13,182	-2.3
Manhattan	51,707	52,284	52,836	52,281	53,678	3.8
Marysville	3,103	3,126	3,105	3,294	3,261	5.1
Medicine Lodge	1,962	1,917	1,883	2,009	2,020	3.0
Merriam	10,790	10,814	11,132	11,003	11,180	3.6
Mission	9,743	9,765	9,865	9,323	9,475	-2.8
Mission Hills	3,537	3,568	3,622	3,498	3,554	0.5
Mulvane	5,835	5,866	5,915	6,111	6,127	5.0
Neodesha	2,650	2,633	2,567	2,486	2,457	-7.3
Newton	18,017	18,133	18,437	19,132	19,230	6.7
Norton	2,680	2,651	2,657	2,928	2,908	8.5
Olathe	118,034	119,993	121,962	125,872	127,907	8.4
Osage City	2,846	2,824	2,770	2,943	2,945	3.5
Osawatomie	4,533	4,488	4,541	4,447	4,437	-2.1
Ottawa	12,828	12,850	12,887	12,649	12,620	-1.6
Overland Park	169,403	171,231	174,907	173,372	176,185	4.0
Paola	5,368	5,351	5,346	5,602	5,590	4.1
Park City	7,588	7,787	8,029	7,297	7,336	-3.3
Parsons	11,122	11,065	10,996	10,500	10,454	-6.0
Phillipsburg	2,372	2,367	2,349	2,581	2,542	7.2
Pittsburg	19,536	19,649	19,639	20,233	20,276	3.8
Plainville	1,822	1,821	1,753	1,903	1,903	4.4
Prairie Village	21,422	21,479	21,703	21,447	21,795	1.7
Pratt	6,406	6,397	6,315	6,835	6,850	6.9
Roeland Park	6,951	6,960	7,026	6,731	6,841	-1.6
Rose Hill	3,959	4,034	4,091	3,931	3,928	-0.8
Russell	4,281	4,217	4,185	4,506	4,497	5.0
Sabetha	2,493	2,482	2,450	2,571	2,555	2.5
Salina	46,458	46,483	46,180	47,707	47,910	3.1
Scott City	3,494	3,502	3,488	3,816	3,796	8.6
Shawnee	59,958	60,954	61,712	62,209	63,219	5.4
South Hutchinson	2,541	2,547	2,540	2,457	2,461	-3.1
Spring Hill	5,065	5,227	5,281	5,437	5,483	8.3
Sterling	2,539	2,535	2,536	2,328	2,326	-8.4
Tonganoxie	4,156	4,305	4,416	4,996	5,065	21.9
Topeka	122,642	123,446	124,331	127,473	128,188	4.5
Ulysses	5,630	5,557	5,515	6,161	6,267	11.3
Valley Center	6,297	6,521	6,638	6,822	6,861	9.0
Wamego	4,274	4,312	4,372	4,372	4,435	3.8
Wellington	7,812	7,735	7,677	8,172	8,057	3.1
Wichita	361,420	366,046	372,186	382,368	384,445	6.4
Winfield	11,539	11,497	11,148	12,301	12,288	6.5

* Includes cities with populations of 2,500 or more as reported by the 2000 U.S. Census, plus a few more cities used in birth and death tables in this report.

Source: U.S. Bureau of the Census; 2010 data are actual Census counts, not estimates.

Total Population

Kansas, 1992-2011* (in Thousands)

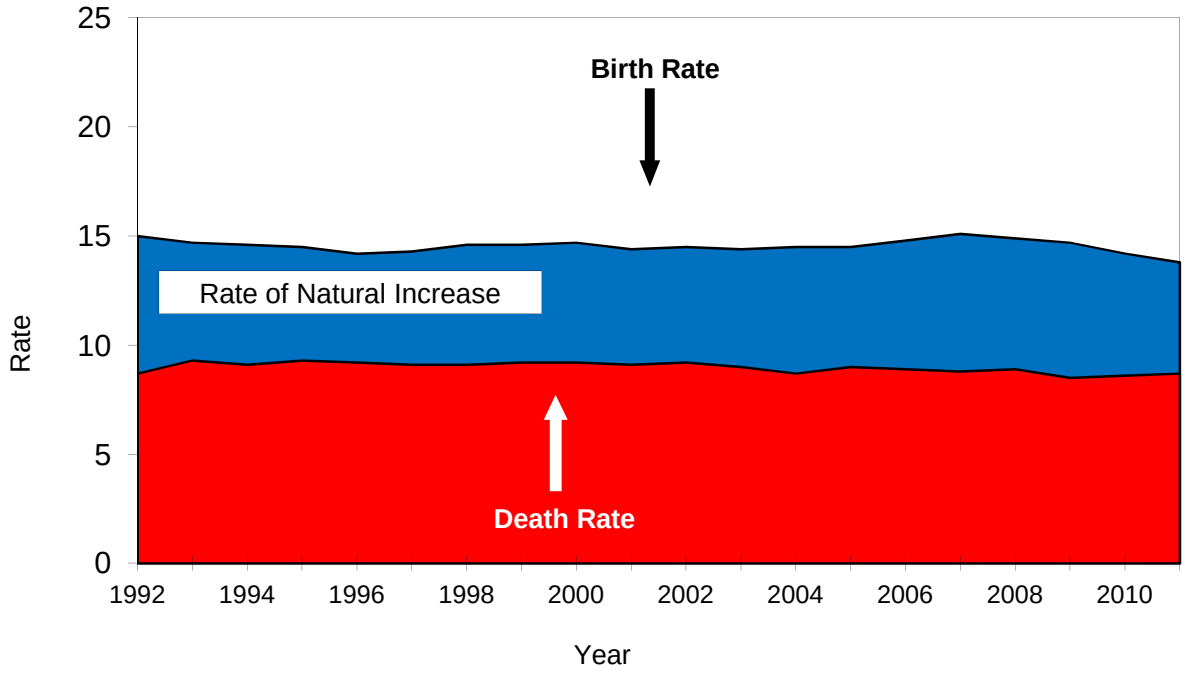


*U.S. Census Bureau Estimates
2000, 2010 Actual Counts

Figure 4

Rate of Natural Increase

Kansas, 1992-2011



Rate per 1,000 Population

Figure 5

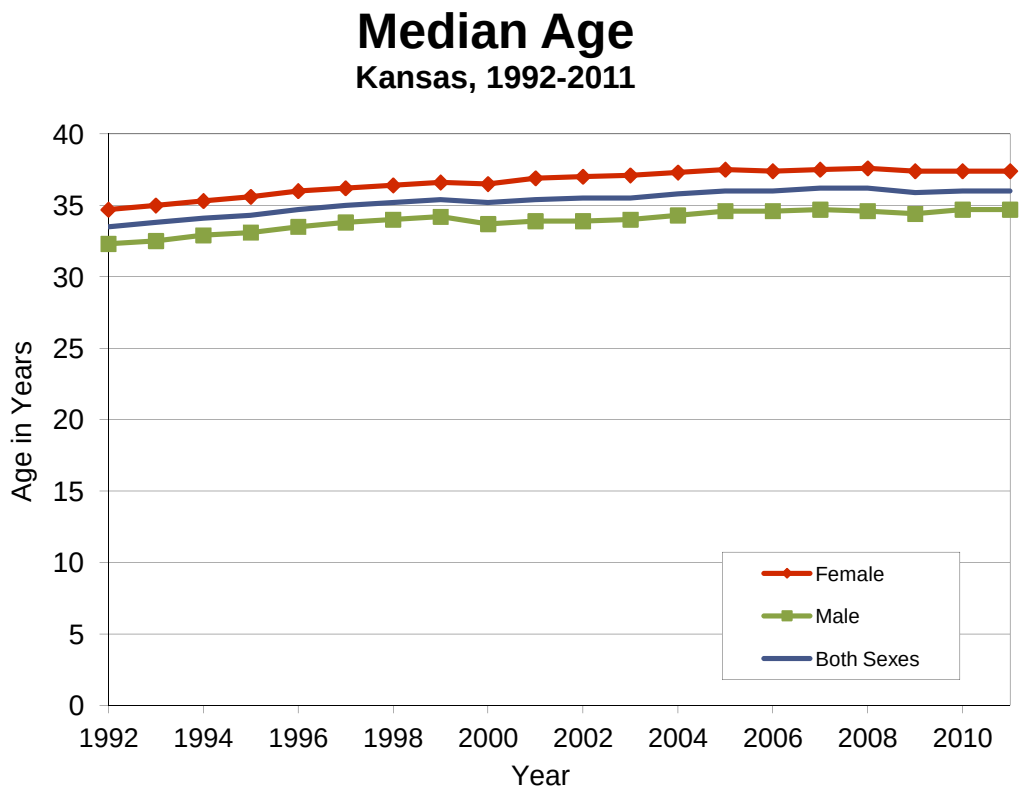


Figure 6

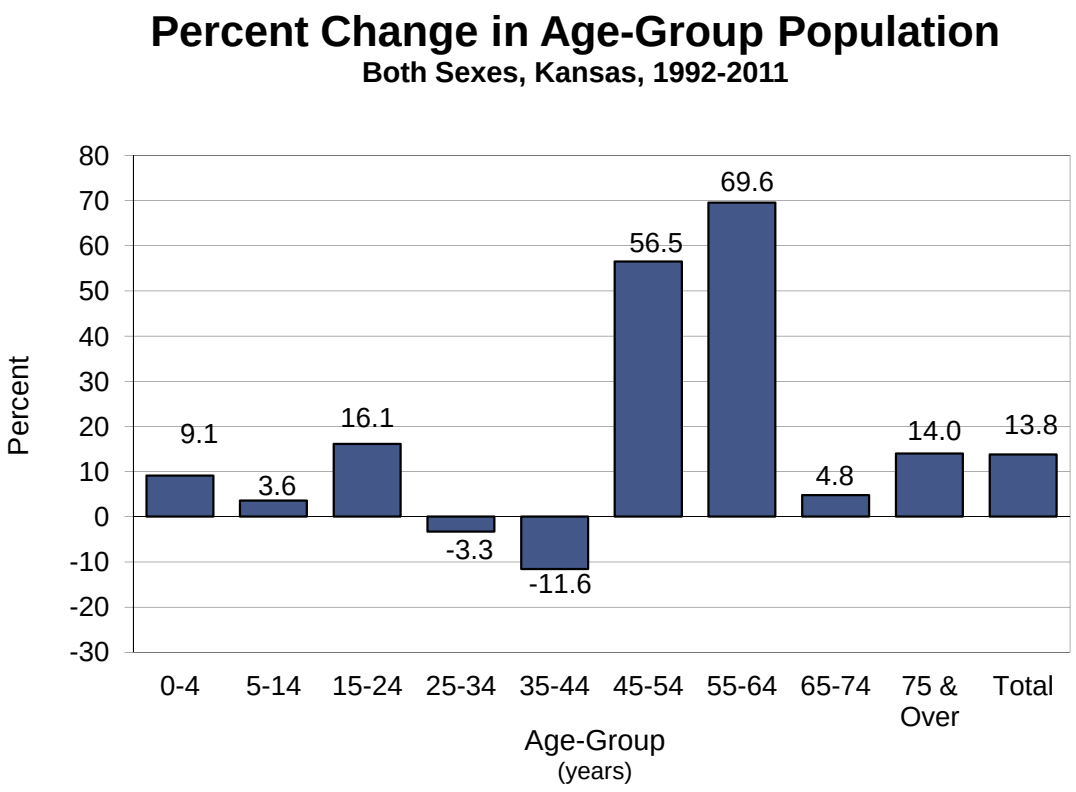


Figure 7

Table 6
Population by Nine Selected Age-Groups and Sex*
Kansas, 1992-2011
(In Thousands)

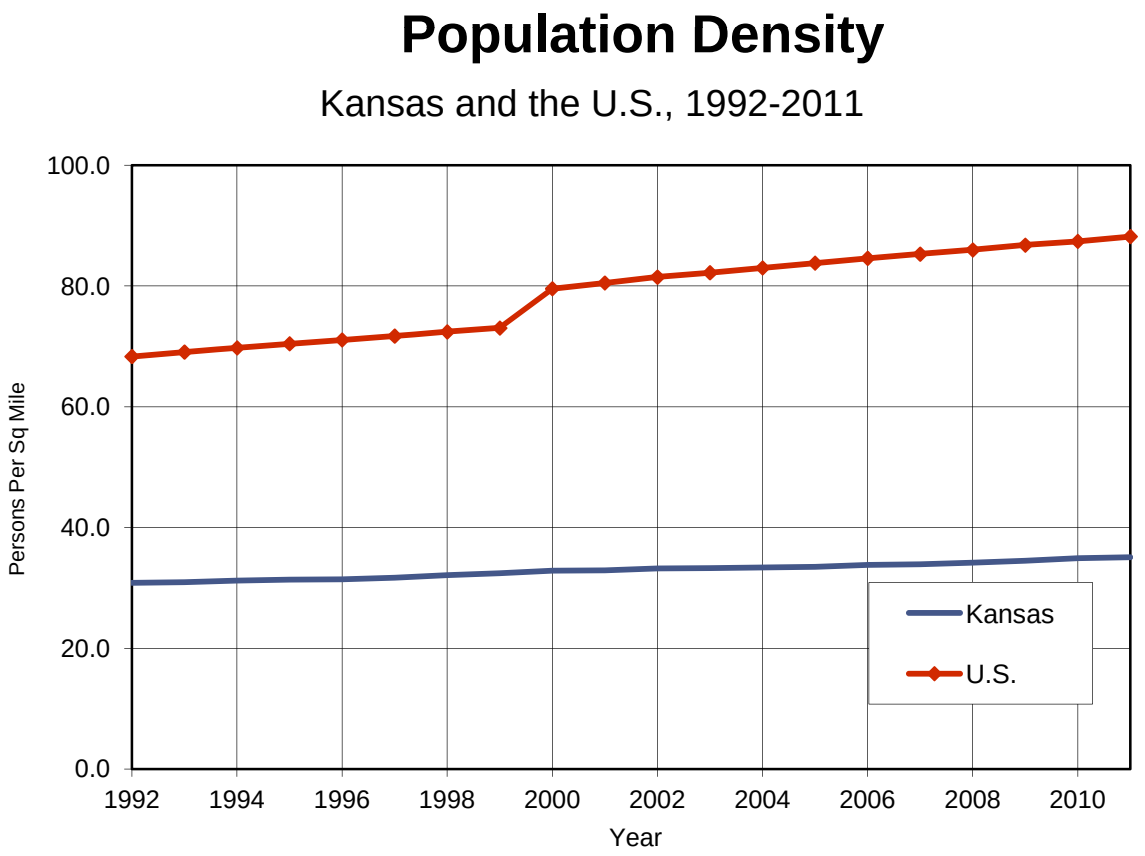
Age-Group	Year																				Percent Change 1992-2011
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Both Sexes																					
0-4	187	186	184	183	180	179	182	184	189	189	188	189	189	188	194	196	203	205	205	204	9.1
5-14	387	391	395	394	387	385	389	388	400	401	386	385	376	367	380	379	380	383	401	401	3.6
15-24	355	356	359	362	366	376	389	398	400	401	414	417	419	416	415	411	411	424	408	412	16.1
25-34	396	385	378	372	364	356	347	340	349	350	352	352	359	364	355	361	368	369	378	383	-3.3
35-44	388	393	403	411	417	423	426	427	420	421	404	393	388	382	375	367	360	349	347	343	-11.6
45-54	255	265	278	289	302	317	329	343	354	355	378	384	392	399	403	406	408	404	406	399	56.5
55-64	204	202	203	203	203	207	213	220	220	221	239	249	260	271	284	296	306	317	331	346	69.6
65-74	186	186	187	183	182	179	178	175	176	176	171	170	170	170	171	174	180	183	190	195	4.8
75 and Over	164	167	167	168	170	173	176	179	180	181	184	184	184	187	186	186	187	184	186	187	14.0
Total †	2,522	2,531	2,554	2,565	2,572	2,595	2,629	2,654	2,688	2,695	2,716	2,724	2,736	2,745	2,764	2,776	2,802	2,819	2,853	2,871	13.8
Median Age	33.5	33.8	34.1	34.3	34.7	35.0	35.2	35.4	35.2	35.4	35.5	35.5	35.8	36.0	36.0	36.2	36.2	35.9	36.0	36.0	7.5
Males																					
0-4	96	95	95	94	93	92	94	94	97	97	97	98	98	98	99	100	103	105	105	104	8.3
5-14	199	201	203	203	199	198	200	199	205	206	198	197	193	189	195	195	195	196	206	206	3.5
15-24	183	184	185	186	189	194	200	205	207	207	214	216	216	215	215	213	214	221	211	213	16.4
25-34	200	194	191	188	183	179	173	170	179	179	181	182	185	188	183	186	190	189	192	195	-2.5
35-44	196	199	204	208	211	214	216	216	210	211	202	197	195	192	188	185	182	177	175	173	-11.7
45-54	126	131	137	143	149	157	162	169	178	178	189	192	196	199	201	202	203	200	201	198	57.1
55-64	98	97	98	97	98	100	103	106	107	107	116	122	128	134	140	146	151	156	164	171	74.5
65-74	83	84	84	83	82	81	81	79	80	80	78	78	78	78	79	80	84	85	89	92	10.8
75 and Over	58	59	59	60	61	63	64	66	66	66	68	69	70	72	70	70	71	70	73	74	27.6
Total†	1,239	1,244	1,256	1,262	1,266	1,278	1,292	1,305	1,328	1,332	1,344	1,350	1,358	1,364	1,371	1,376	1,392	1,400	1,415	1,426	15.1
Median Age	32.3	32.5	32.9	33.1	33.5	33.8	34.0	34.2	33.7	33.9	33.9	34.0	34.3	34.6	34.6	34.7	34.6	34.4	34.7	34.7	7.4
Females																					
0-4	91	90	90	89	88	87	89	90	92	92	91	91	91	90	95	96	99	101	101	100	9.9
5-14	188	190	192	192	188	187	189	188	194	195	188	187	183	179	185	185	185	187	196	196	4.3
15-24	172	173	174	175	177	182	189	193	193	194	200	201	202	201	200	198	197	203	197	197	14.5
25-34	196	191	187	184	181	177	174	170	170	171	171	171	173	176	172	176	178	180	185	191	-2.6
35-44	192	194	199	203	206	209	211	211	210	211	202	196	193	190	187	183	179	171	172	170	-11.5
45-54	129	134	141	147	153	161	167	174	176	177	188	192	196	200	202	204	205	204	205	201	55.8
55-64	106	105	105	105	105	107	111	114	113	113	122	127	133	138	144	150	155	160	168	175	65.1
65-74	103	103	103	101	100	98	97	96	96	96	93	92	92	92	92	94	96	98	101	103	0.0
75 and Over	106	108	108	108	109	110	112	113	115	115	116	115	114	115	116	116	116	115	113	113	6.6
Total†	1,283	1,288	1,298	1,304	1,306	1,317	1,337	1,349	1,360	1,363	1,372	1,373	1,377	1,381	1,393	1,400	1,410	1,419	1,438	1,445	12.6
Median Age	34.7	35.0	35.3	35.6	36.0	36.2	36.4	36.6	36.5	36.9	37.0	37.1	37.3	37.5	37.4	37.5	37.6	37.4	37.4	37.4	7.8

* U.S. Census Bureau estimates for July 1, 1992-1999, 2002-2009, and 2011.
U.S. Census Bureau counts for 2000 and 2010 are for April 1.
KDHE estimates for 2001 based on 2000 Census.
† Estimates may not add to totals due to rounding. See Technical Notes.

Table 7
Kansas Population 2011
by Eleven Selected Age-Groups, Population Group and Sex*

Age-Group	Total	White Non-Hispanic		Black Non-Hispanic		Native American Non-Hispanic		Asian/Pacific Non-Hispanic		Multiple Race Non-Hispanic		Hispanic Any Race	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total.....	2,871,238	1,100,685	1,133,603	84,935	81,184	11,586	11,827	34,595	37,381	32,354	33,174	161,647	148,267
<1.....	39,992	13,335	12,658	1,371	1,347	195	181	599	562	1,271	1,214	3,745	3,514
1-4.....	163,663	54,340	51,759	5,450	5,418	559	586	2,131	2,059	4,814	4,682	16,185	15,680
5-14.....	401,465	141,325	133,893	12,973	12,392	1,725	1,651	5,005	5,179	9,574	9,221	34,985	33,542
15-24.....	411,997	153,254	144,751	16,003	13,591	2,208	2,064	6,168	5,902	6,179	6,391	29,581	25,905
25-34.....	383,112	142,892	140,551	13,401	11,505	1,703	1,618	6,249	6,799	3,461	3,726	27,560	23,647
35-44.....	343,294	130,391	130,224	10,672	9,616	1,566	1,624	5,950	6,439	2,410	2,604	22,173	19,625
45-54.....	398,902	163,775	168,368	11,599	11,237	1,585	1,828	3,897	4,358	2,132	2,366	14,647	13,110
55-64.....	346,152	149,977	153,711	7,874	8,019	1,202	1,257	2,656	3,477	1,435	1,544	7,762	7,238
65-74.....	195,260	82,745	92,384	3,479	4,360	548	631	1,363	1,702	695	852	3,104	3,397
75-84.....	125,995	49,392	66,594	1,645	2,626	243	284	468	706	295	393	1,478	1,871
85+.....	61,406	19,259	38,710	468	1,073	52	103	109	198	88	181	427	738

*U.S. Census Bureau estimates for 2011.



Source: Kansas and U.S. Statistical Abstracts and U.S. Census Bureau

Figure 8

Table 8
Kansas Population
by Population Group and County of Residence
2011

County of Residence	Total	Population Group: White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Multiple Race Non-Hispanic	Hispanic Any Race
Kansas	2,871,238	2,234,288	166,119	23,413	71,976	65,528	309,914
Allen	13,331	12,195	264	114	74	286	398
Anderson	8,070	7,704	47	40	47	98	134
Atchison	16,793	14,969	869	90	90	367	408
Barber	4,888	4,622	30	25	21	58	132
Barton	27,841	23,021	391	121	91	348	3,869
Bourbon	14,985	13,703	433	105	83	315	346
Brown	10,010	8,376	141	850	40	261	342
Butler	65,817	59,582	1,172	601	529	1,232	2,701
Chase	2,817	2,615	39	13	9	35	106
Chautauqua	3,584	3,182	19	153	5	131	94
Cherokee	21,385	19,002	168	804	146	784	481
Cheyenne	2,718	2,547	1	6	20	17	127
Clark	2,143	1,892	4	11	23	54	159
Clay	8,573	8,159	48	33	39	103	191
Cloud	9,365	8,833	58	30	23	121	300
Coffey	8,533	8,062	59	63	37	117	195
Comanche	1,884	1,764	6	4	7	21	82
Cowley	36,272	29,659	1,021	634	600	986	3,372
Crawford	39,220	34,713	839	341	623	876	1,828
Decatur	2,915	2,804	20	14	7	27	43
Dickinson	19,739	18,214	175	86	85	375	804
Doniphan	7,945	7,225	265	84	29	160	182
Douglas	112,211	90,959	4,442	2,559	4,647	3,488	6,116
Edwards	3,020	2,386	7	13	17	31	566
Elk	2,811	2,614	4	35	14	65	79
Ellis	28,742	26,235	280	71	402	353	1,401
Ellsworth	6,483	5,692	311	33	28	80	339
Finney	37,083	16,915	786	156	1,305	423	17,498
Ford	34,568	14,878	720	143	571	401	17,855
Franklin	25,931	23,826	355	182	116	545	907
Geary	35,323	21,254	5,988	296	1,363	1,778	4,644
Gove	2,697	2,613	6	4	13	14	47
Graham	2,641	2,386	99	13	6	71	66
Grant	7,964	4,253	44	32	30	64	3,541
Gray	6,113	5,076	34	27	16	57	903
Greeley	1,258	1,054	3	4	4	11	182
Greenwood	6,644	6,194	23	64	18	115	230
Hamilton	2,666	1,759	10	19	13	25	840
Harper	5,993	5,496	41	62	9	68	317
Harvey	34,846	29,433	561	200	276	594	3,782
Haskell	4,285	3,013	13	22	17	45	1,175
Hodgeman	1,966	1,774	26	3	8	24	131
Jackson	13,433	11,475	86	961	53	370	488
Jefferson	18,941	17,939	116	170	46	306	364
Jewell	3,096	2,965	7	17	7	32	68
Johnson	552,991	451,294	24,749	1,764	23,911	10,788	40,485
Kearny	3,987	2,692	22	38	13	56	1,166
Kingman	7,853	7,434	22	48	48	89	212
Kiowa	2,549	2,354	15	24	19	33	104
Labette	21,511	18,356	981	403	94	801	876
Lane	1,749	1,608	11	13	6	27	84
Leavenworth	77,176	61,689	7,246	536	1,115	1,990	4,600
Lincoln	3,215	3,068	11	15	6	29	86
Linn	9,612	9,115	55	62	36	144	200
Logan	2,783	2,618	18	15	10	29	93

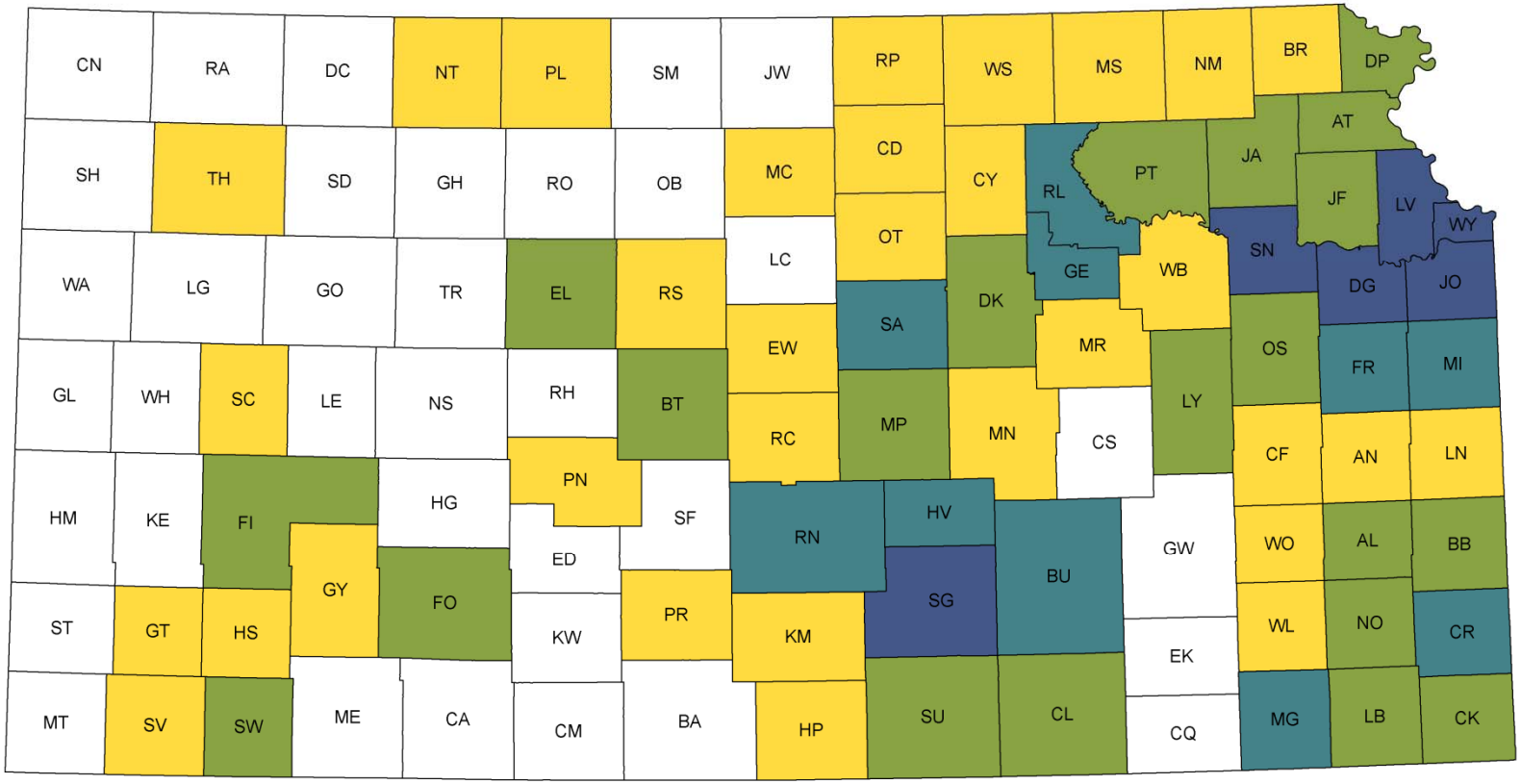
Table 8
Kansas Population
by Population Group and County of Residence
2011

County of Residence	Total	Population Group: White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Multiple Race Non-Hispanic	Hispanic Any Race
Lyon	33,764	24,463	805	203	785	582	6,926
McPherson	29,241	27,096	317	94	185	462	1,087
Marion	12,538	11,809	124	64	38	179	324
Marshall	10,005	9,610	39	23	30	112	191
Meade	4,531	3,704	33	29	17	55	693
Miami	32,715	30,509	463	171	139	537	896
Mitchell	6,295	6,072	26	25	28	46	98
Montgomery	34,911	28,227	2,014	1,063	250	1,496	1,861
Morris	5,888	5,489	34	28	17	81	239
Morton	3,198	2,426	17	30	62	42	621
Nemaha	10,113	9,733	64	46	28	112	130
Neosho	16,449	14,994	217	147	88	276	727
Ness	3,120	2,797	20	9	4	26	264
Norton	5,635	5,090	170	16	36	75	248
Osage	16,306	15,471	82	110	41	232	370
Osborne	3,847	3,733	8	12	18	29	47
Ottawa	6,119	5,815	59	24	12	72	137
Pawnee	7,011	6,027	332	37	43	111	461
Phillips	5,555	5,290	31	19	42	44	129
Pottawatomie	21,920	19,873	262	137	165	448	1,035
Pratt	9,676	8,746	119	45	40	157	569
Rawlins	2,512	2,383	9	3	5	20	92
Reno	64,607	55,461	1,919	384	354	1,207	5,282
Republic	4,907	4,770	26	13	15	26	57
Rice	10,076	8,600	128	63	47	179	1,059
Riley	72,997	57,744	4,530	370	3,142	2,090	5,121
Rooks	5,182	4,953	28	9	29	45	118
Rush	3,238	3,088	13	18	5	29	85
Russell	6,956	6,568	67	40	42	92	147
Saline	55,844	45,676	1,801	257	1,194	1,315	5,601
Scott	4,910	4,033	26	29	22	28	772
Sedgwick	501,076	349,686	45,035	4,418	20,725	14,834	66,378
Seward	23,328	8,251	729	81	665	309	13,293
Shawnee	178,941	134,986	14,695	1,747	2,219	5,512	19,782
Sheridan	2,552	2,430	6	6	5	23	82
Sherman	6,054	5,150	49	16	51	85	703
Smith	3,834	3,689	12	11	11	55	56
Stafford	4,371	3,701	12	33	17	54	554
Stanton	2,250	1,325	14	21	2	22	866
Stevens	5,613	3,624	14	41	16	55	1,863
Sumner	23,787	21,638	236	262	74	477	1,100
Thomas	7,977	7,377	60	26	59	75	380
Trego	2,930	2,824	14	6	14	19	53
Wabaunsee	7,026	6,601	46	36	14	118	211
Wallace	1,527	1,388	5	7	2	12	113
Washington	5,845	5,570	24	11	19	51	170
Wichita	2,276	1,660	17	5	3	14	577
Wilson	9,300	8,707	42	89	48	177	237
Woodson	3,292	3,104	17	25	5	64	77
Wyandotte	158,224	69,067	38,148	828	4,239	3,649	42,293

*U.S. Census Bureau 2011 population estimates.

Population Density
by County of Residence

Kansas, 2011



Legend

Under 6.0 | 6.0 - 19.9 | 20.0 - 39.9 | 40.0 - 149.9 | 150.0 and over

Figure 9

PREGNANCY OUTCOMES

Table 9
Live Births by Number and Rate*
by County of Residence and by Peer Group†
Kansas, 2007-2011

County of Residence	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Kansas	41,951	15.1	41,815	14.9	41,388	14.7	40,439	14.2	39,628	13.8	14.5
Allen	185	13.8	183	13.7	166	12.6	137	10.2	153	11.5	12.4
Anderson	120	15.2	112	14.0	105	13.3	106	13.1	108	13.4	13.8
Atchison	218	13.2	204	12.4	224	13.6	225	13.3	212	12.6	13.0
Barber	51	10.7	69	14.8	61	13.3	74	15.2	66	13.5	13.5
Barton	408	14.7	383	13.8	366	13.3	355	12.8	379	13.6	13.7
Bourbon	250	16.9	239	16.1	216	14.5	220	14.5	205	13.7	15.1
Brown	146	14.5	155	15.5	145	14.6	127	12.7	161	16.1	14.7
Butler	835	13.2	840	13.2	799	12.5	805	12.2	725	11.0	12.4
Chase	25	8.7	29	10.3	24	8.6	23	8.2	23	8.2	8.8
Chautauqua	38	10.0	45	11.9	37	9.9	25	6.8	38	10.6	9.9
Cherokee	257	12.0	295	14.0	257	12.2	237	11.0	254	11.9	12.2
Cheyenne	20	7.1	22	8.0	35	13.0	25	9.2	34	12.5	9.9
Clark	28	13.4	26	12.3	23	11.1	27	12.2	22	10.3	11.8
Clay	108	12.4	100	11.3	113	13.0	107	12.5	106	12.4	12.3
Cloud	121	12.9	127	13.4	136	14.7	130	13.6	107	11.4	13.2
Coffey	90	10.6	99	11.8	74	8.8	106	12.3	77	9.0	10.5
Comanche	14	7.4	15	7.7	27	14.4	20	10.6	31	16.5	11.3
Cowley	457	13.3	505	14.8	489	14.5	487	13.4	467	12.9	13.8
Crawford	567	14.6	529	13.6	563	14.5	478	12.2	508	13.0	13.6
Decatur	28	9.5	16	5.5	26	9.1	26	8.8	31	10.6	8.7
Dickinson	265	14.0	221	11.4	240	12.6	284	14.4	240	12.2	12.9
Doniphan	96	12.4	84	10.8	72	9.4	99	12.5	83	10.4	11.1
Douglas	1,308	11.5	1,273	11.1	1,232	10.6	1,263	11.4	1,216	10.8	11.1
Edwards	44	14.2	34	11.0	40	13.0	40	13.2	29	9.6	12.2
Elk	30	9.9	25	8.2	40	13.3	35	12.1	17	6.0	9.9
Ellis	385	14.0	385	13.8	406	14.6	375	13.2	408	14.2	14.0
Ellsworth	62	9.8	50	8.0	75	12.1	56	8.6	69	10.6	9.8
Finney	736	19.2	791	19.3	776	18.4	765	20.8	721	19.4	19.4
Ford	654	19.6	724	21.7	698	20.7	677	20.0	700	20.2	20.5
Franklin	358	13.5	333	12.5	352	13.3	337	13.0	304	11.7	12.8
Geary	775	30.8	803	25.8	890	28.0	1,051	30.6	930	26.3	28.2
Gove	38	14.4	30	11.8	36	14.5	29	10.8	35	13.0	12.9
Graham	31	11.9	24	9.3	22	9.0	31	11.9	25	9.5	10.3
Grant	131	17.5	145	19.6	147	20.0	128	16.3	127	15.9	17.8
Gray	94	16.7	96	16.9	95	15.8	94	15.7	87	14.2	15.8
Greeley	13	10.0	14	11.1	23	18.6	12	9.6	19	15.1	12.9
Greenwood	84	12.0	86	12.5	66	9.9	58	8.7	65	9.8	10.6
Hamilton	42	16.0	43	16.3	56	21.3	57	21.2	43	16.1	18.2
Harper	73	12.5	74	12.6	84	14.8	72	11.9	68	11.3	12.6
Harvey	461	13.8	466	13.8	458	13.4	463	13.3	428	12.3	13.3
Haskell	57	14.1	77	19.6	83	20.7	61	14.3	52	12.1	16.1
Hodgeman	20	10.1	23	11.8	21	11.0	22	11.5	21	10.7	11.0
Jackson	163	12.1	175	13.2	169	12.6	165	12.3	156	11.6	12.4
Jefferson	221	12.0	196	10.6	204	11.2	199	10.4	172	9.1	10.6
Jewell	32	10.0	26	8.3	29	9.5	25	8.1	19	6.1	8.4
Johnson	7,904	15.0	7,843	14.7	7,565	13.9	7,390	13.6	7,355	13.3	14.1
Kearny	56	13.5	59	14.2	58	13.9	65	16.3	62	15.6	14.7
Kingman	94	12.0	91	11.8	96	12.7	79	10.1	71	9.0	11.1
Kiowa	22	7.5	23	9.1	29	12.5	28	11.0	38	14.9	10.8
Labette	330	15.0	294	13.4	297	13.6	277	12.8	243	11.3	13.3
Lane	18	10.3	19	10.9	22	12.6	16	9.1	22	12.6	11.1
Leavenworth	940	12.8	961	12.9	963	12.8	946	12.4	967	12.5	12.7
Lincoln	39	11.9	39	12.0	38	12.2	35	10.8	38	11.8	11.7
Linn	128	13.1	114	11.9	101	10.8	92	9.5	101	10.5	11.2
Logan	29	11.0	20	7.7	23	9.0	36	13.1	36	12.9	10.8

Table 9
Live Births by Number and Rate*
by County of Residence and by Peer Group†
Kansas, 2007-2011

County of Residence	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Lyon	556	15.5	494	13.9	474	14.1	426	12.6	420	12.4	13.7
McPherson	322	11.0	381	13.1	364	12.6	300	10.3	347	11.9	11.8
Marion	109	8.9	123	10.2	109	9.1	126	10.0	112	8.9	9.4
Marshall	134	13.2	131	12.9	110	10.9	111	11.0	114	11.4	11.9
Meade	58	13.2	66	15.1	55	12.5	52	11.4	72	15.9	13.6
Miami	387	12.5	392	12.6	411	13.3	384	11.7	380	11.6	12.3
Mitchell	57	9.0	69	11.0	85	13.4	66	10.4	84	13.3	11.4
Montgomery	518	15.0	504	14.7	485	14.2	426	12.0	457	13.1	13.8
Morris	67	11.2	58	9.6	58	9.7	54	9.1	64	10.9	10.1
Morton	55	18.1	43	14.4	51	16.8	34	10.5	39	12.2	14.3
Nemaha	128	12.5	122	12.1	138	13.8	131	12.9	125	12.4	12.7
Neosho	226	13.9	217	13.4	203	12.7	226	13.7	214	13.0	13.3
Ness	26	8.7	35	11.9	19	6.7	39	12.6	28	9.0	9.8
Norton	46	8.5	41	7.6	56	10.5	47	8.3	49	8.7	8.7
Osage	185	11.2	203	12.4	177	11.0	185	11.4	184	11.3	11.5
Osborne	42	10.8	43	11.3	33	8.6	47	12.2	39	10.1	10.6
Ottawa	80	13.3	58	9.6	61	10.2	80	13.1	46	7.5	10.8
Pawnee	76	11.8	71	11.3	82	13.2	77	11.0	75	10.7	11.6
Phillips	57	10.6	58	10.9	53	10.1	57	10.1	50	9.0	10.1
Pottawatomie	356	18.4	340	17.3	350	17.5	382	17.7	354	16.1	17.4
Pratt	115	12.2	142	15.1	122	13.1	113	11.7	164	16.9	13.8
Rawlins	22	8.6	22	8.8	27	11.1	23	9.1	15	6.0	8.7
Reno	843	13.4	851	13.4	847	13.4	762	11.8	759	11.7	12.7
Republic	42	8.6	53	11.0	56	11.6	35	7.0	46	9.4	9.5
Rice	131	13.0	116	11.5	116	11.5	129	12.8	119	11.8	12.1
Riley	1,060	15.3	1,061	14.9	1,064	14.9	1,118	15.7	1,119	15.3	15.2
Rooks	75	14.5	52	10.1	74	14.8	66	12.7	63	12.2	12.9
Rush	42	13.1	31	9.6	27	8.6	30	9.1	26	8.0	9.7
Russell	92	13.7	84	12.6	81	12.3	93	13.3	85	12.2	12.8
Saline	808	14.8	846	15.5	861	15.8	805	14.5	756	13.5	14.8
Scott	74	16.2	71	15.5	87	19.1	43	8.7	76	15.5	14.9
Sedgwick	8,244	17.3	8,262	17.1	8,293	16.9	8,058	16.2	7,818	15.6	16.6
Seward	539	23.3	561	24.4	571	24.8	468	20.4	451	19.3	22.4
Shawnee	2,616	15.1	2,566	14.7	2,460	14.0	2,496	14.0	2,464	13.8	14.3
Sheridan	22	8.8	32	12.7	29	11.9	20	7.8	31	12.1	10.7
Sherman	87	14.6	86	14.3	63	10.8	83	13.8	72	11.9	13.1
Smith	33	8.4	35	9.0	38	10.1	31	8.0	27	7.0	8.5
Stafford	58	13.2	49	11.3	49	11.3	41	9.2	45	10.3	11.1
Stanton	40	18.5	43	20.0	32	15.2	30	13.4	29	12.9	16.0
Stevens	109	21.5	86	17.0	85	16.6	83	14.5	84	15.0	16.8
Sumner	291	12.2	333	14.1	283	12.0	312	12.9	263	11.1	12.5
Thomas	102	13.9	108	14.8	108	14.7	115	14.6	99	12.4	14.1
Trego	34	11.6	30	10.4	31	10.6	27	9.0	27	9.2	10.2
Wabaunsee	97	14.1	83	12.0	89	13.0	77	10.9	83	11.8	12.4
Wallace	9	6.2	14	10.0	11	7.8	12	8.1	18	11.8	8.8
Washington	77	13.2	57	9.8	69	12.1	57	9.8	61	10.4	11.1
Wichita	34	15.5	25	11.6	30	14.2	35	15.7	23	10.1	13.4
Wilson	144	14.7	136	14.0	116	12.2	128	13.6	114	12.3	13.4
Woodson	33	9.9	27	8.2	44	13.6	43	13.0	31	9.4	10.8
Wyandotte	2,894	18.8	2,850	18.5	2,859	18.4	2,754	17.5	2,732	17.3	18.1
N.S.	--	N/A	--	N/A	--	N/A	--	N/A	1	N/A	N/A
Peer Group											
Frontier	997	11.3	975	11.3	1,016	11.9	1,279	11.2	1,268	11.2	11.4
Rural	3,499	12.8	3,427	12.6	3,437	12.7	2,823	11.5	2,815	11.5	12.2
Densely -Settled Rural	6,381	15.1	6,539	15.4	6,359	15.0	6,801	14.5	6,626	14.1	14.8
Semi-Urban	8,108	14.8	8,080	14.5	8,167	14.6	6,629	14.4	6,366	13.8	14.4
Urban	22,966	15.9	22,794	15.6	22,409	15.1	22,907	14.6	22,552	14.3	15.1

* Rate per 1,000 population
† See Technical Notes for Peer Group definition.

Table 10
Live Births by Number and Rate*
by Selected City of Residence
Kansas, 2007-2011

City of Residence	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Abilene	94	14.9	90	14.1	108	17.2	99	14.5	86	12.6	14.6
Andover	143	14.4	174	16.8	189	17.9	173	14.7	176	14.9	15.7
Anthony	24	10.9	30	13.5	34	15.8	28	12.3	31	13.8	13.2
Arkansas City	190	17.0	235	21.2	248	22.6	240	19.3	196	15.8	19.1
Atchison	164	16.3	153	14.7	196	18.8	162	14.7	161	14.7	15.8
Augusta	130	15.0	130	15.0	134	15.3	138	14.9	109	11.8	14.4
Baldwin City	48	11.4	55	12.8	40	9.1	52	11.5	37	8.1	10.5
Baxter Springs	57	13.6	80	19.3	68	16.4	56	13.2	56	13.3	15.1
Bel Aire	40	6.0	74	10.9	62	9.0	56	8.3	63	9.3	8.7
Belleville	18	9.7	28	15.3	29	15.9	20	10.0	16	8.2	11.7
Beloit	35	9.6	43	11.8	58	15.8	41	10.7	63	16.6	12.9
Bonner Springs	91	12.9	93	13.0	111	15.3	98	13.4	99	13.5	13.6
Burlington	32	12.1	31	11.6	28	10.5	40	15.0	23	8.7	11.6
Chanute	142	16.0	143	16.2	129	14.8	148	16.2	119	13.1	15.3
Cherryvale	47	20.8	28	12.4	39	17.4	48	20.3	34	14.6	17.1
Clay Center	57	13.1	66	14.9	69	15.8	60	13.8	67	15.4	14.6
Coffeyville	164	15.8	165	16.0	182	17.8	138	13.4	157	15.5	15.7
Colby	68	14.1	76	15.8	77	15.9	86	16.0	72	13.2	15.0
Columbus	61	18.9	52	16.3	67	21.1	40	12.1	53	16.2	16.9
Concordia	74	14.3	74	14.2	86	16.8	82	15.2	65	12.3	14.6
Derby	273	12.4	298	13.2	314	13.7	360	16.2	344	15.4	14.2
De Soto	73	13.6	53	9.8	75	13.7	52	9.1	63	10.8	11.4
Dodge City	590	22.9	655	25.5	643	24.8	608	22.2	628	22.5	23.6
Edwardsville	56	12.5	56	12.6	44	9.7	52	12.0	47	10.8	11.5
El Dorado	188	14.9	222	17.6	192	15.2	189	14.5	189	14.5	15.3
Ellinwood	24	11.7	23	11.3	29	14.7	19	8.9	36	16.8	12.7
Ellsworth	33	11.5	24	8.4	41	14.6	28	9.0	31	10.0	10.6
Emporia	465	17.4	423	16.0	391	15.7	357	14.3	336	13.5	15.4
Eudora	130	21.4	124	19.9	110	17.6	112	18.3	102	16.4	18.7
Eureka	36	13.8	47	18.4	29	11.7	30	11.4	26	9.9	13.0
Fairway	45	11.7	46	12.0	51	13.1	69	17.8	58	14.7	13.9
Fort Scott	140	17.7	142	17.9	185	23.3	140	17.3	122	15.3	18.3
Fredonia	46	19.0	41	17.1	50	21.5	34	13.7	39	15.9	17.4
Frontenac	32	10.0	31	9.7	38	11.9	38	11.1	35	10.2	10.6
Galena	38	12.0	52	16.6	71	22.8	44	14.3	37	12.1	15.6
Garden City	613	23.0	657	23.0	667	23.4	648	24.3	616	22.9	23.3
Gardner	409	24.8	490	28.1	452	25.3	419	21.9	405	20.8	24.1
Garnett	49	15.3	43	13.3	61	19.3	56	16.4	41	12.1	15.2
Girard	34	12.4	38	14.0	35	12.9	25	9.0	32	11.4	11.9
Goodland	67	15.4	76	17.3	53	12.4	71	15.8	61	13.5	14.9
Great Bend	281	18.1	272	17.5	246	15.7	230	14.4	252	15.7	16.2
Hays	291	14.5	286	14.0	333	16.4	289	14.1	302	14.6	14.7
Haysville	143	14.0	144	13.9	203	19.3	157	14.5	199	18.3	16.0
Herington	50	20.7	36	14.7	36	15.0	49	19.4	40	15.8	17.1
Hesston	38	10.3	47	12.6	43	11.2	27	7.3	31	8.3	9.9
Hiawatha	50	15.7	56	17.7	53	16.7	48	15.1	48	15.1	16.0
Hillsboro	34	12.8	35	13.3	29	11.1	34	11.4	30	10.1	11.7
Hoisington	41	14.2	39	13.5	38	13.6	46	17.0	38	14.0	14.4
Holton	54	16.3	53	16.3	57	17.3	56	16.8	48	14.4	16.2
Hugoton	77	22.6	65	19.1	70	20.3	66	16.9	63	16.5	18.9
Hutchinson	608	15.0	626	15.3	675	16.5	517	12.3	536	12.7	14.3
Independence	193	20.8	200	21.6	205	22.3	149	15.7	142	15.2	19.1
Iola	108	18.5	100	17.3	99	17.3	78	13.7	85	14.9	16.4
Junction City	528	33.9	586	28.3	643	30.7	728	31.2	622	25.9	29.7
Kansas City	2,725	19.1	2,680	18.8	2,697	18.8	2,608	17.9	2,579	17.6	18.4

Table 10
Live Births by Number and Rate*
by Selected City of Residence
Kansas, 2007-2011

City of Residence	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Kingman	43	14.1	46	15.4	53	18.1	36	11.3	30	9.4	13.6
Lansing	105	9.8	95	8.9	93	8.6	99	8.8	96	8.4	8.9
Larned	58	15.8	51	14.2	64	18.1	59	14.6	56	13.7	15.2
Lawrence	1,036	11.5	1,007	11.1	1,027	11.2	1,023	11.7	987	11.1	11.3
Leavenworth	416	12.0	448	12.9	466	13.3	397	11.3	428	12.0	12.3
Leawood	292	9.4	257	8.2	287	9.0	244	7.7	251	7.7	8.4
Lenexa	701	15.3	671	14.3	643	13.4	644	13.4	592	12.1	13.7
Liberal	501	24.9	520	25.9	556	27.7	434	21.1	425	20.4	24.0
Lindsborg	23	7.1	25	7.7	42	13.0	26	7.5	29	8.4	8.7
Louisburg	74	19.5	67	17.0	100	25.6	58	13.4	70	16.3	18.2
Lyons	57	16.4	56	16.5	60	17.6	58	15.5	66	17.7	16.7
McPherson	183	13.6	223	16.6	205	15.4	164	12.5	193	14.6	14.5
Manhattan	701	13.6	692	13.2	718	13.6	749	14.3	764	14.2	13.8
Marysville	46	14.8	49	15.7	40	12.9	36	10.9	42	12.9	13.4
Medicine Lodge	28	14.3	35	18.3	27	14.3	39	19.4	29	14.4	16.1
Merriam	168	15.6	158	14.6	166	14.9	154	14.0	164	14.7	14.7
Mission	151	15.5	146	15.0	143	14.5	174	18.7	169	17.8	16.3
Mission Hills	22	6.2	22	6.2	25	6.9	18	5.1	19	5.3	6.0
Mulvane	83	14.2	99	16.9	103	17.4	83	13.6	70	11.4	14.7
Neodesha	39	14.7	45	17.1	50	19.5	43	17.3	34	13.8	16.5
Newton	281	15.6	290	16.0	295	16.0	318	16.6	271	14.1	15.7
Norton	35	13.1	22	8.3	43	16.2	34	11.6	29	10.0	11.8
Olathe	2,296	19.5	2,088	17.4	2,147	17.6	1,993	15.8	2,002	15.7	17.1
Osage City	31	10.9	44	15.6	40	14.4	30	10.2	31	10.5	12.3
Osawatomie	61	13.5	77	17.2	70	15.4	71	16.0	75	16.9	15.8
Ottawa	203	15.8	190	14.8	235	18.2	201	15.9	180	14.3	15.8
Overland Park	2,175	12.8	2,265	13.2	2,130	12.2	2,101	12.1	2,054	11.7	12.4
Paola	83	15.5	105	19.6	93	17.4	101	18.0	92	16.5	17.4
Park City	81	10.7	85	10.9	105	13.1	102	14.0	118	16.1	12.9
Parsons	189	17.0	183	16.5	173	15.7	158	15.0	149	14.3	15.7
Phillipsburg	30	12.6	36	15.2	34	14.5	29	11.2	25	9.8	12.6
Pittsburg	354	18.1	329	16.7	355	18.1	296	14.6	305	15.0	16.5
Plainville	41	22.5	27	14.8	24	13.7	28	14.7	29	15.2	16.2
Prairie Village	274	12.8	317	14.8	264	12.2	305	14.2	316	14.5	13.7
Pratt	79	12.3	111	17.4	101	16.0	85	12.4	128	18.7	15.4
Roeland Park	108	15.5	115	16.5	102	14.5	104	15.5	117	17.1	15.8
Rose Hill	50	12.6	44	10.9	55	13.4	58	14.8	51	13.0	12.9
Russell	57	13.3	61	14.5	57	13.6	62	13.8	64	14.2	13.9
Sabetha	37	14.8	31	12.5	34	13.9	42	16.3	31	12.1	13.9
Salina	743	16.0	782	16.8	787	17.0	751	15.7	693	14.5	16.0
Scott City	67	19.2	56	16.0	66	18.9	39	10.2	66	17.4	16.2
Shawnee	930	15.5	967	15.9	899	14.6	830	13.3	884	14.0	14.6
South Hutchinson	29	11.4	25	9.8	31	12.2	26	10.6	29	11.8	11.2
Spring Hill	102	20.1	107	20.5	105	19.9	108	19.9	101	18.4	19.7
Sterling	25	9.8	25	9.9	19	7.5	27	11.6	24	10.3	9.8
Tonganoxie	112	26.9	80	18.6	97	22.0	87	17.4	99	19.5	20.7
Topeka	2,186	17.8	2,158	17.5	2,309	18.6	2,101	16.5	2,086	16.3	17.3
Ulysses	116	20.6	123	22.1	134	24.3	105	17.0	108	17.2	20.1
Valley Center	83	13.2	95	14.6	112	16.9	95	13.9	100	14.6	14.6
Wamego	80	18.7	72	16.7	87	19.9	75	17.2	80	18.0	18.1
Wellington	119	15.2	139	18.0	144	18.8	136	16.6	107	13.3	16.3
Wichita	6,865	19.0	6,897	18.8	6,933	18.6	6,678	17.5	6,457	16.8	18.1
Winfield	166	14.4	158	13.7	187	16.8	151	12.3	170	13.8	14.2

*Rate per 1,000 population

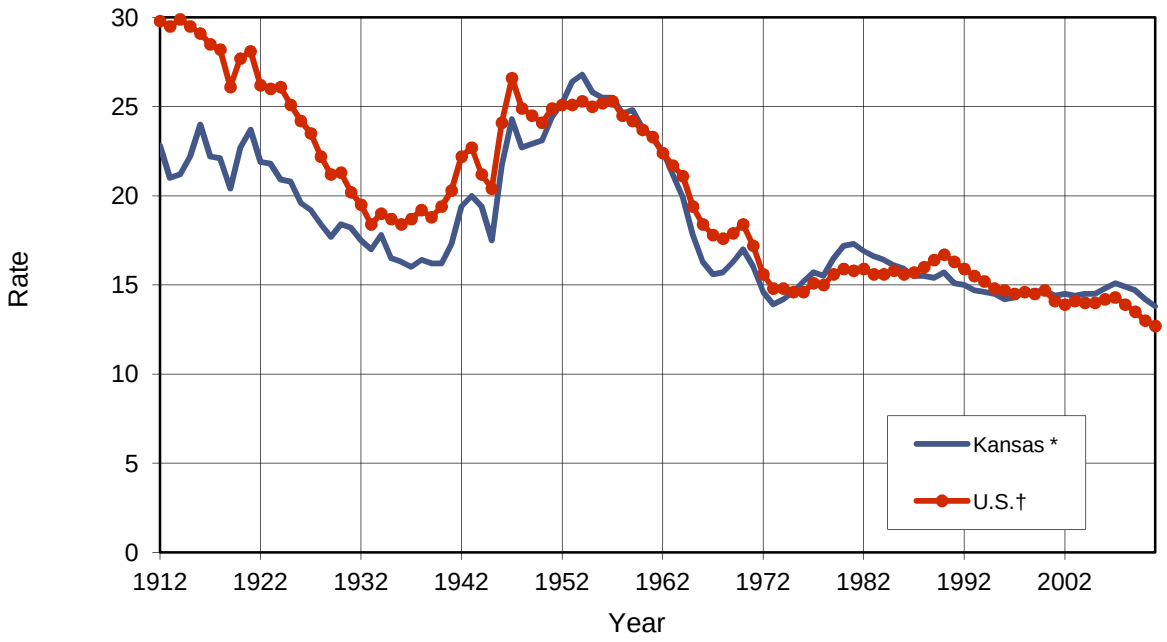
Table 11
Birth Rates*
Kansas† and the U.S., 1912-2011

Year	Birth Rates		Year	Birth Rates	
	Kansas	U.S.		Kansas	U.S.
1912	22.8	29.8	1964	19.9	21.1
1913	21.0	29.5	1965	17.8	19.4
1914	21.2	29.9	1966	16.3	18.4
1915	22.2	29.5	1967	15.6	17.8
1916	24.0	29.1	1968	15.7	17.6
1917	22.2	28.5	1969	16.3	17.9
1918	22.1	28.2	1970	17.0	18.4
1919	20.4	26.1	1971	16.0	17.2
1920	22.7	27.7	1972	14.6	15.6
1921	23.7	28.1	1973	13.9	14.8
1922	21.9	26.2	1974	14.2	14.8
1923	21.8	26.0	1975	14.6	14.6
1924	20.9	26.1	1976	15.2	14.6
1925	20.8	25.1	1977	15.7	15.1
1926	19.6	24.2	1978	15.5	15.0
1927	19.2	23.5	1979	16.5	15.6
1928	18.4	22.2	1980	17.2	15.9
1929	17.7	21.2	1981	17.3	15.8
1930	18.4	21.3	1982	16.9	15.9
1931	18.2	20.2	1983	16.6	15.6
1932	17.5	19.5	1984	16.4	15.6
1933	17.0	18.4	1985	16.1	15.8
1934	17.8	19.0	1986	15.9	15.6
1935	16.5	18.7	1987	15.5	15.7
1936	16.3	18.4	1988	15.5	16.0
1937	16.0	18.7	1989	15.4	16.4
1938	16.4	19.2	1990	15.7	16.7
1939	16.2	18.8	1991	15.1	16.3
1940	16.2	19.4	1992	15.0	15.9
1941	17.3	20.3	1993	14.7	15.5
1942	19.4	22.2	1994	14.6	15.2
1943	20.0	22.7	1995	14.5	14.8
1944	19.4	21.2	1996	14.2	14.7
1945	17.5	20.4	1997	14.3	14.5
1946	21.7	24.1	1998	14.6	14.6
1947	24.3	26.6	1999	14.6	14.5
1948	22.7	24.9	2000	14.7	14.7
1949	22.9	24.5	2001	14.4	14.1
1950	23.1	24.1	2002	14.5	13.9
1951	24.4	24.9	2003	14.4	14.1
1952	25.2	25.1	2004	14.5	14.0
1953	26.4	25.1	2005	14.5	14.0
1954	26.8	25.3	2006	14.8	14.2
1955	25.8	25.0	2007	15.1	14.3
1956	25.5	25.2	2008	14.9	13.9
1957	25.5	25.3	2009	14.7	13.5
1958	24.6	24.5	2010	14.2	13.0
1959	24.8	24.2	2011	13.8	12.7 ‡
1960	23.8	23.7			
1961	23.3	23.3			
1962	22.5	22.4			
1963	21.2	21.7			

*Rate per 1,000 population
†1912-1934 Occurrence data
1935-2011 Residence data
‡Provisional

Birth Rates

Kansas and the U.S., 1912-2011

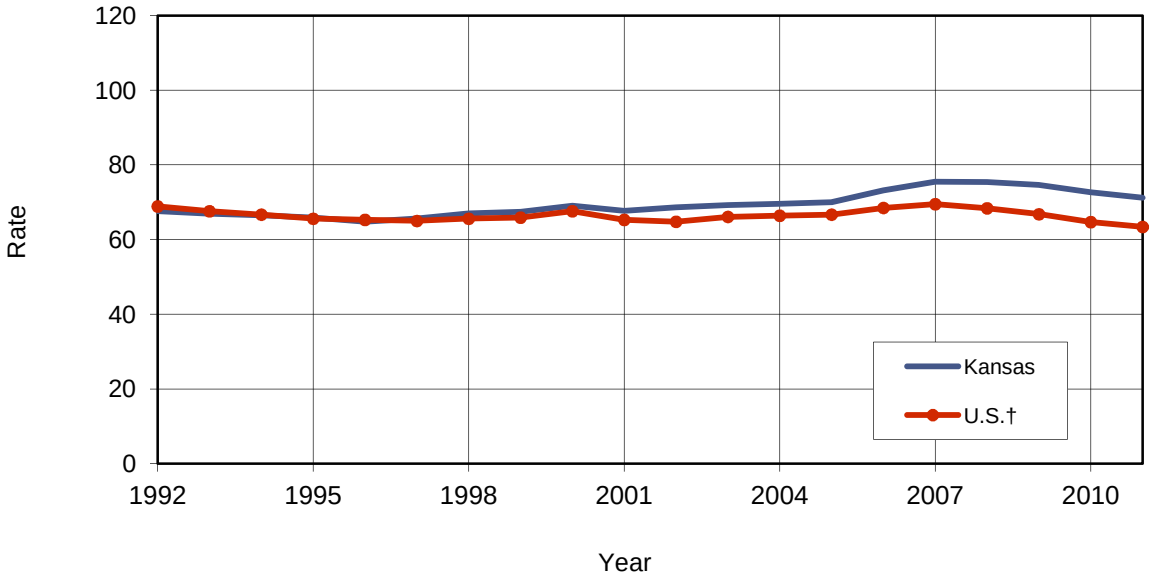


*1912-1934 Occurrence data
1935-2011 Residence data
†2010-2011 Rates Provisional

Figure 10

Fertility Rates*

Kansas and the U.S., 1992-2011

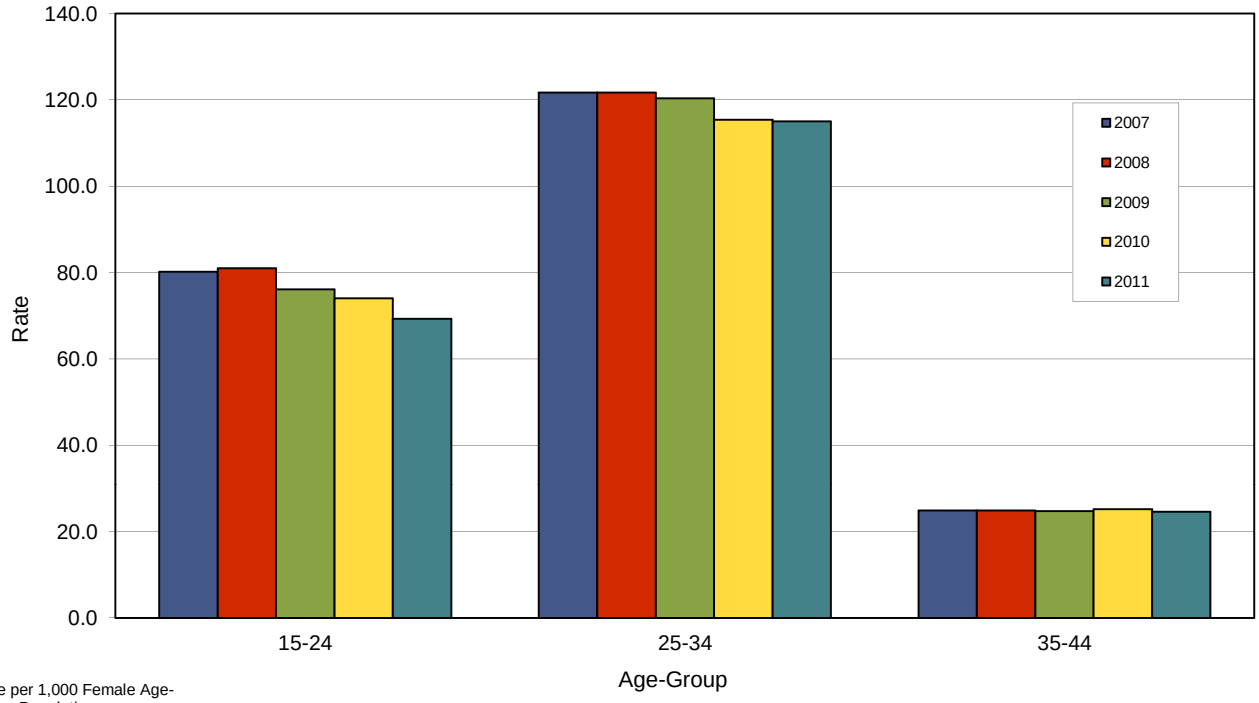


*Rate per 1,000 Female
Population 15-44
†2010-2011 Rates Provisional

Figure 11

Age-Specific Fertility Rates*

Kansas, 2007-2011



*Rate per 1,000 Female Age-Group Population

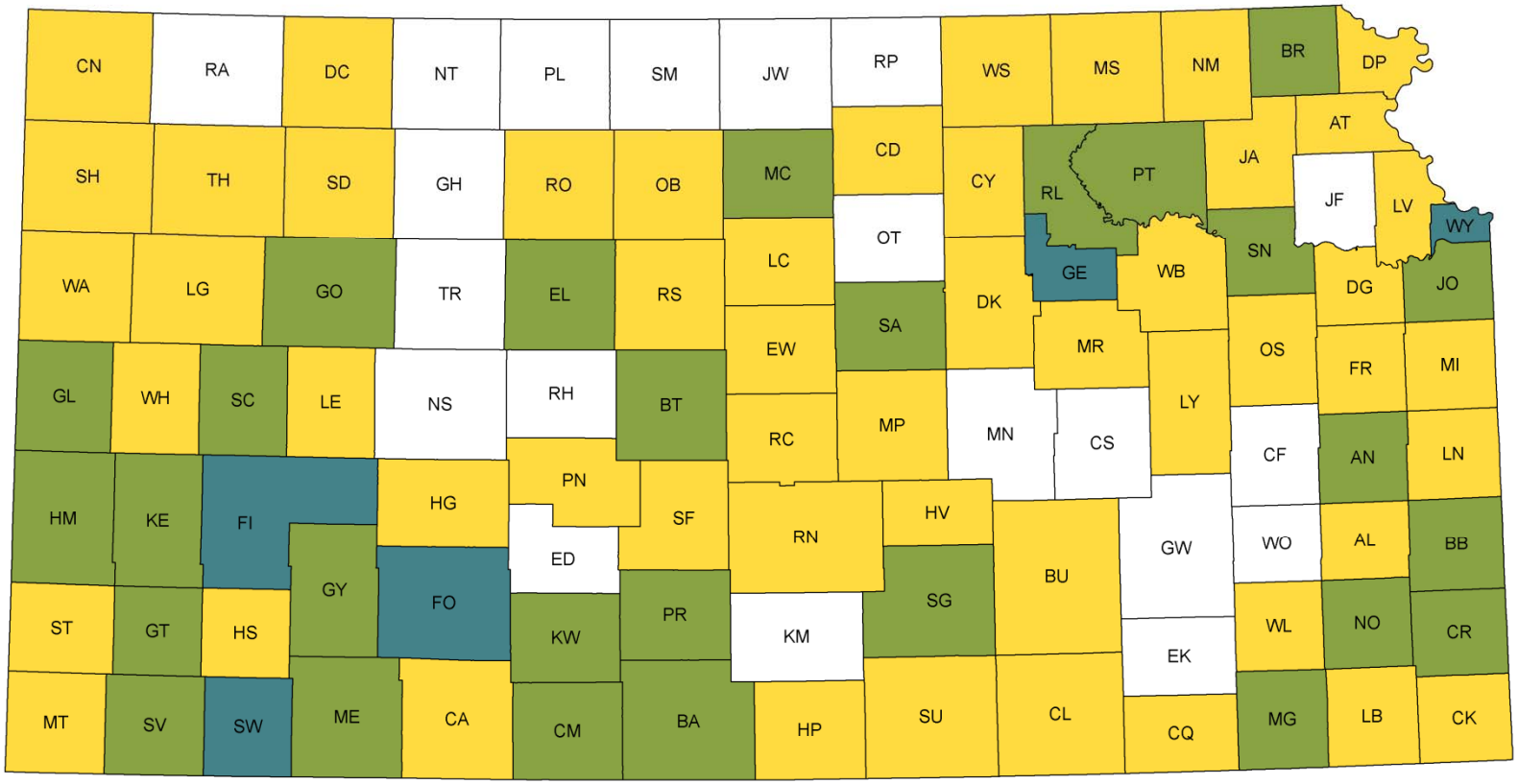
Figure 12

Table 12
Age-Specific Fertility Rates*
by Age-Group of Mother
Kansas, 1992-2011

Age-Group	Year																				Percent Change
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	1992-2011
Total……	67.6	66.9	66.5	65.9	64.8	65.6	67.0	67.4	69.1	67.7	68.6	69.2	69.6	70.0	73.2	75.5	75.4	74.6	72.7	71.2	5.3
15-24.....	88.9	87.8	85.3	83.8	80.1	80.6	79.5	80.0	82.5	79.1	77.2	75.2	74.9	76.6	78.4	80.2	81.0	76.1	74.0	69.3	-22.0
25-34.....	98.2	97.5	99.8	100.8	101.3	103.8	108.8	111.2	113.3	111.9	114.2	115.5	115.2	112.5	119.8	121.7	121.7	120.4	115.4	115.0	17.1
35-44.....	16.8	17.4	18.5	18.5	18.9	19.3	20.4	20.4	20.8	20.2	21.1	22.3	22.8	23.2	24.1	24.9	24.9	24.7	25.2	24.6	46.4

*Rate per 1,000 female age-group population

Birth Rates
by County of Residence
Kansas, 2011



Legend

Under 10.0 | 10.0 - 12.9 | 13.0 - 16.9 | 17.0 and over

Figure 13

Table 13
Live Births by Age-Group of Mother by Sex of Infant
Kansas, 2011

Age-Group of Mother	Total		Sex	
	Number	Percent	Male	Female
Total……	39,628	100	20,376	19,252
Under 15……	52	0.1	26	26
15-17…….	896	2.3	442	454
18-19…….	2,597	6.6	1,309	1,288
20-24…….	10,265	25.9	5,308	4,957
25-29…….	12,539	31.6	6,477	6,062
30-34…….	9,054	22.8	4,663	4,391
35-39…….	3,479	8.8	1,743	1,736
40-44…….	708	1.8	390	318
45 & Over…..	35	0.1	15	20
N.S…….	3	n/a	3	0

Table 14
Live Births by Age-Group of Father by Age-Group of Mother
Kansas, 2011

Age-Group of Father	Total	Age-Group of Mother									
		Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44	46 & Over	N.S.
Total.....	39,628	948	52	3,493	10,265	12,539	9,054	3,479	708	35	3
Under 18.....	294	186	16	262	15	1	0	0	0	0	0
10-14.....	5	5	4	1	0	0	0	0	0	0	0
15-19.....	1,316	428	16	1,019	257	21	3	0	0	0	0
20-24.....	6,319	169	1	1,287	4,101	767	132	29	2	0	0
25-29.....	10,758	20	0	265	3,174	6,019	1,141	145	14	0	0
30-34.....	9,575	4	0	43	779	3,597	4,460	641	55	0	0
35-39.....	4,766	1	0	13	179	824	2,082	1,525	141	2	0
40-44.....	1,879	1	0	1	81	247	549	705	291	5	0
45 & Over…	768	0	0	1	45	100	199	234	161	28	0
N.S.....	4,242	320	31	863	1,649	964	488	200	44	0	3

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Table 15
Live Births by Age-Group of Mother
By County of Residence
Kansas, 2011

County of Residence	Age-Group of Mother									
	Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas	39,628	52	3,493	10,265	12,539	9,054	3,479	708	35	3
Allen	153	0	15	55	42	33	8	0	0	0
Anderson	108	0	11	31	35	23	7	1	0	0
Atchison	212	0	25	61	72	38	12	4	0	0
Barber	66	0	4	26	25	9	2	0	0	0
Barton	379	0	49	129	122	58	16	5	0	0
Bourbon	205	0	28	67	62	34	13	1	0	0
Brown	161	0	22	51	50	27	7	4	0	0
Butler	725	0	42	197	264	158	53	10	1	0
Chase	23	0	1	8	8	4	1	1	0	0
Chautauqua	38	0	5	9	15	6	3	0	0	0
Cherokee	254	0	41	79	82	37	12	3	0	0
Cheyenne	34	0	1	7	12	9	2	3	0	0
Clark	22	0	3	4	4	6	5	0	0	0
Clay	106	0	11	33	29	26	5	2	0	0
Cloud	107	0	10	39	29	19	7	3	0	0
Coffey	77	0	4	16	31	17	8	0	0	1
Comanche	31	0	3	8	10	5	5	0	0	0
Cowley	467	0	72	164	122	80	26	3	0	0
Crawford	508	2	47	165	155	96	34	8	1	0
Decatur	31	0	7	7	10	3	4	0	0	0
Dickinson	240	0	27	83	72	30	23	5	0	0
Doniphan	83	0	5	24	32	18	3	1	0	0
Douglas	1,216	0	59	234	401	337	158	27	0	0
Edwards	29	0	4	7	7	9	2	0	0	0
Elk	17	0	2	7	6	2	0	0	0	0
Ellis	408	0	26	104	151	87	33	7	0	0
Ellsworth	69	0	2	14	30	14	8	1	0	0
Finney	721	2	108	233	178	125	65	10	0	0
Ford	700	0	89	229	191	124	50	17	0	0
Franklin	304	0	28	119	82	53	17	5	0	0
Geary	930	0	81	363	295	139	43	8	0	1
Gove	35	0	0	9	12	9	4	1	0	0
Graham	25	0	4	14	4	2	1	0	0	0
Grant	127	0	16	42	38	22	9	0	0	0
Gray	87	0	6	28	27	25	1	0	0	0
Greeley	19	0	0	7	6	6	0	0	0	0
Greenwood	65	0	9	21	23	11	0	1	0	0
Hamilton	43	0	6	9	9	14	5	0	0	0
Harper	68	0	6	22	22	8	7	3	0	0
Harvey	428	0	50	96	151	92	33	5	1	0
Haskell	52	0	6	14	14	10	7	1	0	0
Hodgeman	21	0	1	4	11	4	1	0	0	0
Jackson	156	0	13	52	50	23	16	2	0	0
Jefferson	172	0	12	42	63	38	12	5	0	0
Jewell	19	0	1	6	9	3	0	0	0	0
Johnson	7,355	5	239	964	2,321	2,583	1,032	202	9	0
Kearny	62	0	6	25	14	11	6	0	0	0
Kingman	71	0	8	19	23	15	4	2	0	0
Kiowa	38	0	3	10	15	7	2	1	0	0
Labette	243	2	31	94	64	42	5	4	1	0
Lane	22	0	0	3	7	8	2	2	0	0
Leavenworth	967	1	75	237	287	244	103	18	1	1
Lincoln	38	0	5	5	14	10	4	0	0	0
Linn	101	0	8	25	36	19	11	2	0	0
Logan	36	0	2	12	12	6	3	1	0	0

Table 15
Live Births by Age-Group of Mother
By County of Residence
Kansas, 2011

County of Residence	Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
	Age-Group of Mother									
Lyon	420	1	51	127	133	71	33	4	0	0
McPherson	347	1	29	88	132	59	31	7	0	0
Marion	112	0	7	21	39	33	11	1	0	0
Marshall	114	0	13	28	50	19	3	1	0	0
Meade	72	0	10	22	24	12	4	0	0	0
Miami	380	0	29	90	133	80	43	5	0	0
Mitchell	84	0	6	21	30	15	11	1	0	0
Montgomery	457	1	52	158	142	74	22	7	1	0
Morris	64	0	6	19	20	15	3	1	0	0
Morton	39	0	4	15	11	7	2	0	0	0
Nemaha	125	0	5	25	47	27	17	4	0	0
Neosho	214	0	29	73	61	37	10	4	0	0
Ness	28	0	1	7	12	7	1	0	0	0
Norton	49	0	7	15	11	11	5	0	0	0
Osage	184	0	12	59	54	38	16	5	0	0
Osborne	39	0	7	9	14	7	2	0	0	0
Ottawa	46	0	3	8	23	10	2	0	0	0
Pawnee	75	0	6	28	25	9	6	1	0	0
Phillips	50	1	4	16	19	7	3	0	0	0
Pottawatomie	354	0	18	78	131	86	32	7	2	0
Pratt	164	0	16	49	60	30	8	1	0	0
Rawlins	15	0	1	3	5	4	2	0	0	0
Reno	759	2	74	243	258	126	45	11	0	0
Republic	46	0	5	15	9	15	1	0	1	0
Rice	119	0	15	38	32	21	9	4	0	0
Riley	1,119	2	66	370	363	237	73	8	0	0
Rooks	63	0	5	17	24	13	3	0	1	0
Rush	26	0	0	8	13	1	3	1	0	0
Russell	85	0	7	27	25	18	5	1	2	0
Saline	756	1	85	227	241	136	54	12	0	0
Scott	76	0	7	25	20	19	5	0	0	0
Sedgwick	7,818	15	786	2,116	2,472	1,658	623	137	11	0
Seward	451	1	86	122	125	73	37	7	0	0
Shawnee	2,464	7	261	669	812	501	180	33	1	0
Sheridan	31	0	2	9	9	5	4	2	0	0
Sherman	72	0	6	18	32	10	5	1	0	0
Smith	27	0	2	4	9	11	1	0	0	0
Stafford	45	0	3	18	10	11	3	0	0	0
Stanton	29	0	1	12	7	8	0	1	0	0
Stevens	84	0	4	32	22	15	8	3	0	0
Sumner	263	0	34	80	84	46	16	3	0	0
Thomas	99	0	13	27	33	19	6	1	0	0
Trego	27	0	2	8	5	9	2	1	0	0
Wabaunsee	83	0	2	19	32	20	6	4	0	0
Wallace	18	0	1	3	6	8	0	0	0	0
Washington	61	0	1	10	26	17	5	2	0	0
Wichita	23	0	1	5	9	5	3	0	0	0
Wilson	114	0	12	46	37	16	2	1	0	0
Woodson	31	0	5	12	4	9	1	0	0	0
Wyandotte	2,732	8	352	793	787	531	212	47	2	0
N.S.	1	0	0	0	1	0	0	0	0	0

Table 16
Live Births by Weeks Gestation
By County of Residence
Kansas, 2011

County of Residence	Total	Weeks Gestation									Percent Premature <37 weeks
		19 & Under	20-22	23-27	28-31	32-35	36	37-41	42 & Over	N.S.	
Kansas	39,628	24	46	182	326	1,577	1,443	35,862	133	35	9.1
Allen	153	0	0	0	1	3	5	144	0	0	5.9
Anderson	108	0	0	0	0	9	2	97	0	0	10.2
Atchison	212	0	2	2	3	9	12	184	0	0	13.2
Barber	66	0	0	0	0	0	3	61	1	1	4.6
Barton	379	0	1	2	4	12	18	339	2	1	9.8
Bourbon	205	0	0	0	1	5	16	183	0	0	10.7
Brown	161	0	2	1	1	6	7	143	1	0	10.6
Butler	725	0	0	1	4	36	24	658	1	1	9.0
Chase	23	0	0	0	0	0	1	22	0	0	4.3
Chautauqua	38	0	0	0	0	2	0	36	0	0	5.3
Cherokee	254	0	0	1	1	9	11	230	0	2	8.7
Cheyenne	34	0	0	0	0	1	1	32	0	0	5.9
Clark	22	0	0	0	0	3	0	19	0	0	13.6
Clay	106	0	0	0	1	5	4	96	0	0	9.4
Cloud	107	0	0	0	0	4	2	101	0	0	5.6
Coffey	77	0	1	0	1	3	1	70	0	1	7.9
Comanche	31	0	0	0	3	2	1	25	0	0	19.4
Cowley	467	0	2	1	4	18	22	420	0	0	10.1
Crawford	508	0	0	2	2	18	31	454	0	1	10.5
Decatur	31	0	0	0	0	2	0	29	0	0	6.5
Dickinson	240	0	0	0	1	12	13	214	0	0	10.8
Doniphan	83	0	1	0	1	2	4	75	0	0	9.6
Douglas	1,216	0	0	1	15	40	45	1,107	8	0	8.3
Edwards	29	0	0	0	0	4	1	24	0	0	17.2
Elk	17	0	0	0	0	0	0	17	0	0	0.0
Ellis	408	2	1	3	2	16	13	369	2	0	9.1
Ellsworth	69	0	0	0	0	2	2	65	0	0	5.8
Finney	721	0	0	0	11	38	31	637	3	1	11.1
Ford	700	0	1	3	4	20	24	645	3	0	7.4
Franklin	304	0	0	0	1	14	15	273	1	0	9.9
Geary	930	3	0	7	7	37	46	829	1	0	10.8
Gove	35	0	0	0	0	1	2	32	0	0	8.6
Graham	25	0	0	0	0	2	3	20	0	0	20.0
Grant	127	0	0	0	1	4	4	117	1	0	7.1
Gray	87	0	0	0	0	2	3	82	0	0	5.7
Greeley	19	0	0	0	0	0	1	18	0	0	5.3
Greenwood	65	0	0	0	0	1	1	63	0	0	3.1
Hamilton	43	0	0	0	2	2	2	37	0	0	14.0
Harper	68	0	0	1	0	7	3	57	0	0	16.2
Harvey	428	0	0	5	4	19	19	380	1	0	11.0
Haskell	52	0	1	0	0	0	0	51	0	0	1.9
Hodgeman	21	0	0	0	0	1	2	18	0	0	14.3
Jackson	156	0	0	1	2	1	8	144	0	0	7.7
Jefferson	172	0	0	0	0	11	6	153	1	1	9.9
Jewell	19	0	0	0	0	0	1	18	0	0	5.3
Johnson	7,355	5	4	30	63	239	223	6,771	18	2	7.7
Kearny	62	0	0	0	0	0	9	53	0	0	14.5
Kingman	71	0	0	0	0	0	3	68	0	0	4.2
Kiowa	38	0	0	0	0	1	1	35	1	0	5.3
Labette	243	0	0	3	0	21	21	198	0	0	18.5
Lane	22	0	0	0	0	3	0	19	0	0	13.6
Leavenworth	967	0	1	1	9	28	38	882	5	3	8.0
Lincoln	38	0	0	0	0	3	2	32	1	0	13.2
Linn	101	0	0	0	2	2	3	94	0	0	6.9
Logan	36	0	0	0	0	2	1	33	0	0	8.3

Table 16
Live Births by Weeks Gestation
By County of Residence
Kansas, 2011

County of Residence	Total	Weeks Gestation									Percent Premature <37 weeks
		19 & Under	20-22	23-27	28-31	32-35	36	37-41	42 & Over	N.S.	
Lyon	420	0	0	5	4	10	18	378	5	0	8.8
McPherson	347	0	1	3	3	8	11	321	0	0	7.5
Marion	112	0	0	0	0	3	6	103	0	0	8.0
Marshall	114	1	1	0	0	5	2	102	3	0	7.9
Meade	72	0	0	0	0	2	2	66	1	1	5.6
Miami	380	0	0	2	6	15	21	336	0	0	11.6
Mitchell	84	0	0	0	2	3	3	75	1	0	9.5
Montgomery	457	0	0	3	4	19	27	404	0	0	11.6
Morris	64	0	0	0	0	5	4	55	0	0	14.1
Morton	39	0	0	0	2	1	2	33	0	1	13.2
Nemaha	125	0	0	0	0	7	2	115	1	0	7.2
Neosho	214	0	0	1	3	6	5	198	0	1	7.0
Ness	28	0	0	0	0	3	1	24	0	0	14.3
Norton	49	0	0	1	0	6	1	39	2	0	16.3
Osage	184	0	0	2	0	11	4	167	0	0	9.2
Osborne	39	0	0	0	0	1	1	37	0	0	5.1
Ottawa	46	0	0	0	2	1	2	41	0	0	10.9
Pawnee	75	0	0	0	2	4	1	68	0	0	9.3
Phillips	50	0	0	0	0	0	0	46	4	0	0.0
Pottawatomie	354	0	1	1	0	15	16	315	6	0	9.3
Pratt	164	0	0	1	2	2	5	154	0	0	6.1
Rawlins	15	0	0	0	1	0	0	14	0	0	6.7
Reno	759	1	0	2	6	32	21	696	1	0	8.2
Republic	46	0	0	0	0	0	0	46	0	0	0.0
Rice	119	0	0	0	0	4	3	111	1	0	5.9
Riley	1,119	1	3	5	11	33	47	1,015	4	0	8.9
Rooks	63	0	0	0	2	3	0	58	0	0	7.9
Rush	26	0	0	0	1	1	2	22	0	0	15.4
Russell	85	0	0	0	1	8	4	71	0	1	15.5
Saline	756	0	0	8	4	31	31	680	2	0	9.8
Scott	76	0	0	1	0	6	3	66	0	0	13.2
Sedgwick	7,818	2	13	46	68	380	254	7,016	33	6	9.8
Seward	451	0	1	0	2	17	10	417	1	3	6.7
Shawnee	2,464	3	1	13	23	117	105	2,191	6	5	10.7
Sheridan	31	0	0	1	0	0	0	30	0	0	3.2
Sherman	72	1	0	0	0	4	3	64	0	0	11.1
Smith	27	0	0	0	0	0	1	25	1	0	3.7
Stafford	45	0	0	0	0	2	0	43	0	0	4.4
Stanton	29	0	0	0	0	2	0	27	0	0	6.9
Stevens	84	0	0	0	0	3	1	78	2	0	4.8
Sumner	263	0	1	2	3	17	5	234	1	0	10.6
Thomas	99	0	0	0	1	5	3	90	0	0	9.1
Trego	27	0	0	0	0	2	1	24	0	0	11.1
Wabaunsee	83	0	1	1	0	2	5	74	0	0	10.8
Wallace	18	0	0	0	0	3	1	14	0	0	22.2
Washington	61	0	0	2	0	1	1	56	1	0	6.6
Wichita	23	0	0	0	0	1	0	22	0	0	4.3
Wilson	114	0	1	0	1	1	2	109	0	0	4.4
Woodson	31	0	0	0	0	0	0	31	0	0	0.0
Wyandotte	2,732	5	5	17	21	93	95	2,487	6	3	8.6
N.S.	1	0	0	0	0	0	0	1	0	0	0.0

Table 17
Live Births by Month Prenatal Care Began
by County of Residence
Kansas, 2011

County of Residence	Total	Month Care Began										
		1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	NONE	N.S.
Kansas	39,628	1,036	13,291	15,291	3,994	1,889	1,079	698	438	201	378	1,333
Allen	153	3	55	47	23	12	5	3	2	0	0	3
Anderson	108	3	43	39	14	0	4	2	1	1	1	0
Atchison	212	6	68	90	19	10	4	4	3	1	1	6
Barber	66	1	10	40	5	4	4	0	0	1	1	0
Barton	379	12	136	122	54	17	10	5	2	4	4	13
Bourbon	205	6	94	54	23	10	3	4	6	1	1	3
Brown	161	4	52	60	22	8	6	4	2	2	0	1
Butler	725	12	222	340	73	26	19	14	3	5	4	7
Chase	23	0	9	10	1	2	0	1	0	0	0	0
Chautauqua	38	0	12	13	7	2	1	0	2	0	0	1
Cherokee	254	4	61	88	40	18	17	4	4	4	2	12
Cheyenne	34	0	14	14	3	0	0	2	0	1	0	0
Clark	22	1	10	5	4	2	0	0	0	0	0	0
Clay	106	1	29	52	12	4	2	2	2	1	1	0
Cloud	107	0	40	50	9	4	1	1	0	2	0	0
Coffey	77	2	16	39	13	3	0	1	0	1	1	1
Comanche	31	0	4	24	3	0	0	0	0	0	0	0
Cowley	467	9	150	157	48	44	17	13	13	5	5	6
Crawford	508	13	176	207	57	23	12	11	4	1	1	3
Decatur	31	2	16	7	2	3	1	0	0	0	0	0
Dickinson	240	2	77	104	31	9	5	4	3	1	1	3
Doniphan	83	4	35	34	5	3	1	0	0	0	0	1
Douglas	1,216	22	576	372	91	51	30	19	16	7	7	25
Edwards	29	2	7	12	1	1	1	1	0	2	0	2
Elk	17	0	5	6	2	1	0	2	0	0	1	0
Ellis	408	5	63	278	32	14	5	3	6	1	0	1
Ellsworth	69	0	29	26	7	5	1	0	0	1	0	0
Finney	721	11	113	248	142	71	54	23	30	12	8	9
Ford	700	46	220	187	87	48	33	16	11	8	5	39
Franklin	304	16	136	89	29	9	13	2	3	3	1	3
Geary	930	21	304	362	88	46	19	33	22	12	6	17
Gove	35	0	12	17	4	1	0	1	0	0	0	0
Graham	25	0	6	15	2	2	0	0	0	0	0	0
Grant	127	4	36	39	18	11	3	1	6	2	1	6
Gray	87	4	25	33	8	4	4	5	2	0	0	2
Greeley	19	1	4	5	2	2	1	0	2	0	0	2
Greenwood	65	2	18	25	8	5	2	1	2	1	0	1
Hamilton	43	1	11	12	8	2	1	2	3	1	0	2
Harper	68	1	24	24	6	4	3	3	1	0	0	2
Harvey	428	9	73	248	41	24	11	8	7	2	2	3
Haskell	52	2	10	13	7	7	7	3	2	0	0	1
Hodgeman	21	0	8	12	0	0	0	0	0	0	0	1
Jackson	156	6	38	74	17	7	5	4	2	1	0	2
Jefferson	172	5	43	72	25	13	7	1	2	0	2	2
Jewell	19	0	3	8	5	1	0	0	1	0	0	1
Johnson	7,355	258	3,685	2,256	365	185	82	60	23	7	27	407
Kearny	62	1	15	26	11	4	0	2	0	1	1	1
Kingman	71	4	12	37	11	4	1	1	0	1	0	0
Kiowa	38	0	3	19	9	2	0	1	1	1	1	1
Labette	243	8	111	63	22	9	8	9	1	1	1	10
Lane	22	0	3	12	5	1	1	0	0	0	0	0
Leavenworth	967	39	428	310	65	33	18	9	12	4	9	40
Lincoln	38	0	11	17	8	0	1	0	1	0	0	0
Linn	101	2	43	39	5	6	4	0	2	0	0	0
Logan	36	1	10	17	4	0	1	2	1	0	0	0

Table 17
Live Births by Month Prenatal Care Began
by County of Residence
Kansas, 2011

County of Residence	Total	Month Care Began										
		1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	NONE	N.S.
Lyon	420	13	110	156	70	33	15	5	5	1	4	8
McPherson	347	5	141	132	37	12	9	4	2	0	2	3
Marion	112	1	18	73	12	5	3	0	0	0	0	0
Marshall	114	2	14	68	12	5	5	4	3	0	0	1
Meade	72	4	20	19	14	7	3	0	0	1	1	3
Miami	380	18	204	103	28	11	8	3	0	0	2	3
Mitchell	84	0	32	41	6	3	0	0	0	0	0	2
Montgomery	457	11	183	157	38	21	15	9	9	0	1	13
Morris	64	0	26	25	4	3	0	1	2	1	0	2
Morton	39	2	8	12	4	4	2	0	1	2	2	2
Nemaha	125	2	49	60	10	2	1	0	0	1	0	0
Neosho	214	4	76	90	17	11	8	3	2	0	0	3
Ness	28	1	6	18	3	0	0	0	0	0	0	0
Norton	49	2	16	18	4	3	3	1	1	1	0	0
Osage	184	5	43	88	24	10	4	2	1	2	0	5
Osborne	39	0	20	13	1	2	1	1	0	1	0	0
Ottawa	46	0	13	26	2	1	1	3	0	0	0	0
Pawnee	75	2	25	27	6	8	3	1	0	0	0	3
Phillips	50	0	14	26	3	2	0	3	0	2	0	0
Pottawatomie	354	1	61	216	35	13	9	7	5	1	1	5
Pratt	164	1	19	88	38	9	4	1	3	0	1	0
Rawlins	15	0	4	8	1	2	0	0	0	0	0	0
Reno	759	60	285	212	92	42	29	14	8	3	4	10
Republic	46	0	16	26	1	0	3	0	0	0	0	0
Rice	119	10	33	34	19	7	1	3	0	2	0	10
Riley	1,119	12	303	610	75	33	26	21	15	8	4	12
Rooks	63	0	12	43	3	1	2	1	1	0	0	0
Rush	26	0	8	12	2	2	0	2	0	0	0	0
Russell	85	2	19	44	10	1	2	4	0	0	3	0
Saline	756	8	267	301	87	34	24	18	9	0	4	4
Scott	76	4	19	25	16	4	1	2	2	1	1	1
Sedgwick	7,818	142	2,093	3,398	982	454	263	148	78	35	114	111
Seward	451	10	132	117	69	43	22	22	11	6	11	8
Shawnee	2,464	68	451	1,307	282	114	62	51	22	7	20	80
Sheridan	31	1	12	13	4	1	0	0	0	0	0	0
Sherman	72	6	31	22	4	5	1	1	1	0	0	1
Smith	27	1	7	11	4	2	1	0	1	0	0	0
Stafford	45	3	11	25	2	0	2	0	1	1	0	0
Stanton	29	0	12	9	5	2	0	0	0	0	0	1
Stevens	84	1	23	27	17	5	4	2	1	1	2	1
Sumner	263	7	82	122	22	16	8	0	2	0	1	3
Thomas	99	2	32	36	18	4	3	2	1	1	0	0
Trego	27	0	10	13	3	0	1	0	0	0	0	0
Wabaunsee	83	6	5	53	11	1	3	0	0	0	0	4
Wallace	18	1	6	6	4	1	0	0	0	0	0	0
Washington	61	2	19	25	8	1	1	0	2	1	0	2
Wichita	23	0	4	7	5	1	1	1	1	0	0	3
Wilson	114	4	44	45	7	4	2	3	2	1	1	1
Woodson	31	0	11	12	4	1	1	1	0	0	0	1
Wyandotte	2,732	56	828	703	266	165	94	67	40	22	104	387
N.S.	1	0	0	0	0	1	0	0	0	0	0	0

Table 18
Adequacy of Prenatal Care Utilization (APNCU) Index*
by County of Residence
Kansas, 2011

County of Residence	Live Births	APNCU Category†								N.S.
		Adequate Plus		Adequate		Intermediate		Inadequate		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Kansas	39,628	12,210	32.3	18,686	49.5	2,018	5.3	4,859	12.9	1,855
Allen	153	58	39.5	60	40.8	6	4.1	23	15.6	6
Anderson	108	44	41.1	49	45.8	5	4.7	9	8.4	1
Atchison	212	49	24.3	116	57.4	12	5.9	25	12.4	10
Barber	66	17	25.8	38	57.6	1	1.5	10	15.2	0
Barton	379	146	41.1	148	41.7	19	5.4	42	11.8	24
Bourbon	205	98	49.0	66	33.0	9	4.5	27	13.5	5
Brown	161	49	31.4	72	46.2	13	8.3	22	14.1	5
Butler	725	192	27.2	425	60.3	15	2.1	73	10.4	20
Chase	23	6	27.3	10	45.5	3	13.6	3	13.6	1
Chautauqua	38	15	41.7	14	38.9	2	5.6	5	13.9	2
Cherokee	254	40	16.6	108	44.8	33	13.7	60	24.9	13
Cheyenne	34	12	35.3	17	50.0	2	5.9	3	8.8	0
Clark	22	5	22.7	13	59.1	2	9.1	2	9.1	0
Clay	106	37	35.6	52	50.0	2	1.9	13	12.5	2
Cloud	107	28	26.7	55	52.4	14	13.3	8	7.6	2
Coffey	77	18	24.3	45	60.8	5	6.8	6	8.1	3
Comanche	31	11	35.5	18	58.1	2	6.5	0	0.0	0
Cowley	467	170	37.3	172	37.7	17	3.7	97	21.3	11
Crawford	508	137	27.5	250	50.1	55	11.0	57	11.4	9
Decatur	31	8	25.8	16	51.6	3	9.7	4	12.9	0
Dickinson	240	69	29.1	125	52.7	17	7.2	26	11.0	3
Doniphan	83	23	29.5	48	61.5	2	2.6	5	6.4	5
Douglas	1,216	539	45.4	492	41.4	25	2.1	132	11.1	28
Edwards	29	8	30.8	10	38.5	3	11.5	5	19.2	3
Elk	17	3	17.6	8	47.1	2	11.8	4	23.5	0
Ellis	408	106	26.1	224	55.2	46	11.3	30	7.4	2
Ellsworth	69	16	23.2	43	62.3	3	4.3	7	10.1	0
Finney	721	136	19.3	206	29.2	141	20.0	222	31.5	16
Ford	700	171	25.9	275	41.7	84	12.7	130	19.7	40
Franklin	304	110	36.5	153	50.8	6	2.0	32	10.6	3
Geary	930	251	27.6	412	45.3	104	11.4	142	15.6	21
Gove	35	10	28.6	19	54.3	3	8.6	3	8.6	0
Graham	25	5	21.7	11	47.8	5	21.7	2	8.7	2
Grant	127	32	27.6	45	38.8	13	11.2	26	22.4	11
Gray	87	17	20.0	35	41.2	14	16.5	19	22.4	2
Greeley	19	3	17.6	7	41.2	2	11.8	5	29.4	2
Greenwood	65	13	21.0	35	56.5	2	3.2	12	19.4	3
Hamilton	43	8	19.5	19	46.3	5	12.2	9	22.0	2
Harper	68	16	25.4	34	54.0	2	3.2	11	17.5	5
Harvey	428	218	52.3	141	33.8	6	1.4	52	12.5	11
Haskell	52	8	15.7	19	37.3	5	9.8	19	37.3	1
Hodgeman	21	9	45.0	8	40.0	3	15.0	0	0.0	1
Jackson	156	56	37.3	69	46.0	7	4.7	18	12.0	6
Jefferson	172	83	49.1	59	34.9	1	0.6	26	15.4	3
Jewell	19	5	27.8	9	50.0	2	11.1	2	11.1	1
Johnson	7,355	2,811	40.5	3,466	49.9	263	3.8	403	5.8	412
Kearny	62	16	26.2	26	42.6	8	13.1	11	18.0	1
Kingman	71	20	28.6	42	60.0	2	2.9	6	8.6	1
Kiowa	38	6	16.2	24	64.9	1	2.7	6	16.2	1
Labette	243	106	45.7	78	33.6	17	7.3	31	13.4	11
Lane	22	11	50.0	8	36.4	0	0.0	3	13.6	0
Leavenworth	967	337	36.9	429	47.0	56	6.1	91	10.0	54
Lincoln	38	13	34.2	21	55.3	2	5.3	2	5.3	0
Linn	101	38	38.0	48	48.0	2	2.0	12	12.0	1
Logan	36	13	36.1	14	38.9	4	11.1	5	13.9	0

Table 18
Adequacy of Prenatal Care Utilization (APNCU) Index*
by County of Residence
Kansas, 2011

County of Residence	Live Births	APNCU Category†								N.S.
		Adequate Plus		Adequate		Intermediate		Inadequate		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Lyon	420	184	49.3	104	27.9	17	4.6	68	18.2	47
McPherson	347	148	43.5	149	43.8	13	3.8	30	8.8	7
Marion	112	58	51.8	43	38.4	3	2.7	8	7.1	0
Marshall	114	18	15.9	66	58.4	10	8.8	19	16.8	1
Meade	72	20	29.0	27	39.1	10	14.5	12	17.4	3
Miami	380	142	37.7	194	51.5	17	4.5	24	6.4	3
Mitchell	84	20	25.0	53	66.3	4	5.0	3	3.8	4
Montgomery	457	187	44.5	149	35.5	27	6.4	57	13.6	37
Morris	64	11	17.7	42	67.7	2	3.2	7	11.3	2
Morton	39	13	35.1	10	27.0	3	8.1	11	29.7	2
Nemaha	125	31	24.8	82	65.6	8	6.4	4	3.2	0
Neosho	214	77	36.5	104	49.3	4	1.9	26	12.3	3
Ness	28	8	28.6	17	60.7	3	10.7	0	0.0	0
Norton	49	16	32.7	19	38.8	5	10.2	9	18.4	0
Osage	184	74	43.0	72	41.9	8	4.7	18	10.5	12
Osborne	39	10	25.6	22	56.4	2	5.1	5	12.8	0
Ottawa	46	15	32.6	26	56.5	0	0.0	5	10.9	0
Pawnee	75	24	34.3	26	37.1	6	8.6	14	20.0	5
Phillips	50	9	18.0	24	48.0	8	16.0	9	18.0	0
Pottawatomie	354	130	37.6	169	48.8	11	3.2	36	10.4	8
Pratt	164	49	30.2	92	56.8	3	1.9	18	11.1	2
Rawlins	15	4	26.7	7	46.7	2	13.3	2	13.3	0
Reno	759	296	39.9	303	40.9	38	5.1	104	14.0	18
Republic	46	13	28.3	28	60.9	2	4.3	3	6.5	0
Rice	119	36	33.0	47	43.1	11	10.1	15	13.8	10
Riley	1,119	333	30.2	573	51.9	85	7.7	112	10.2	16
Rooks	63	13	21.0	40	64.5	3	4.8	6	9.7	1
Rush	26	5	19.2	12	46.2	5	19.2	4	15.4	0
Russell	85	22	25.9	45	52.9	8	9.4	10	11.8	0
Saline	756	229	30.6	392	52.4	38	5.1	89	11.9	8
Scott	76	36	47.4	22	28.9	6	7.9	12	15.8	0
Sedgwick	7,818	1,399	18.6	4,864	64.6	180	2.4	1,083	14.4	292
Seward	451	88	19.9	192	43.4	38	8.6	124	28.1	9
Shawnee	2,464	1,032	45.2	860	37.7	109	4.8	283	12.4	180
Sheridan	31	9	29.0	19	61.3	2	6.5	1	3.2	0
Sherman	72	22	31.0	30	42.3	11	15.5	8	11.3	1
Smith	27	12	44.4	7	25.9	4	14.8	4	14.8	0
Stafford	45	17	38.6	23	52.3	1	2.3	3	6.8	1
Stanton	29	6	21.4	19	67.9	1	3.6	2	7.1	1
Stevens	84	22	26.5	34	41.0	8	9.6	19	22.9	1
Sumner	263	70	28.0	144	57.6	12	4.8	24	9.6	13
Thomas	99	46	46.9	36	36.7	4	4.1	12	12.2	1
Trego	27	8	29.6	13	48.1	5	18.5	1	3.7	0
Wabaunsee	83	32	41.0	37	47.4	4	5.1	5	6.4	5
Wallace	18	7	38.9	9	50.0	1	5.6	1	5.6	0
Washington	61	16	27.1	30	50.8	8	13.6	5	8.5	2
Wichita	23	8	38.1	7	33.3	1	4.8	5	23.8	2
Wilson	114	39	35.1	53	47.7	6	5.4	13	11.7	3
Woodson	31	13	43.3	14	46.7	0	0.0	3	10.0	1
Wyandotte	2,732	707	30.2	930	39.7	183	7.8	524	22.4	388
N.S.	1	0	n/a	0	n/a	0	n/a	1	n/a	0

*See Technical Notes

†Percent calculation includes only Kansas resident live births for which number of prenatal visits, date of first prenatal visit and date of last menses were reported on the birth certificate.

Table 19
Live Births by Birth Weight in Grams
by County of Residence
Kansas, 2011

County of Residence	Total	Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	N.S.
	Birth Weight in Grams												
Kansas	39,628	72	186	269	548	1,792	7,016	15,567	11,051	2,692	381	47	7
Allen	153	0	0	1	0	5	24	66	48	7	2	0	0
Anderson	108	0	0	1	1	7	19	44	28	5	3	0	0
Atchison	212	2	3	2	2	19	38	85	45	14	1	1	0
Barber	66	0	0	0	1	2	10	31	15	5	2	0	0
Barton	379	1	2	0	5	17	79	149	99	22	5	0	0
Bourbon	205	0	0	1	0	5	47	85	56	8	3	0	0
Brown	161	2	1	1	2	7	27	66	43	10	2	0	0
Butler	725	0	1	2	13	35	132	298	187	48	8	1	0
Chase	23	0	0	0	0	2	5	8	6	2	0	0	0
Chautauqua	38	0	0	0	1	2	6	17	10	2	0	0	0
Cherokee	254	1	0	1	4	14	45	91	72	21	4	0	1
Cheyenne	34	0	0	0	0	2	12	13	7	0	0	0	0
Clark	22	0	1	2	0	0	3	8	7	1	0	0	0
Clay	106	0	0	0	1	5	22	42	24	9	1	2	0
Cloud	107	0	0	1	1	6	21	44	26	6	2	0	0
Coffey	77	1	0	1	3	2	7	27	28	6	1	0	1
Comanche	31	0	0	3	0	4	2	12	6	4	0	0	0
Cowley	467	2	1	2	8	20	94	184	120	33	2	1	0
Crawford	508	0	2	2	4	26	104	236	111	23	0	0	0
Decatur	31	0	0	0	1	0	4	12	13	1	0	0	0
Dickinson	240	0	0	1	3	11	47	91	69	14	4	0	0
Doniphan	83	0	1	1	2	3	10	29	30	5	1	1	0
Douglas	1,216	0	1	7	19	46	214	462	364	84	16	3	0
Edwards	29	0	0	1	1	1	6	6	10	3	1	0	0
Elk	17	0	0	0	0	1	2	8	4	2	0	0	0
Ellis	408	3	2	2	3	27	68	149	113	36	5	0	0
Ellsworth	69	0	0	0	1	2	12	27	23	4	0	0	0
Finney	721	0	2	5	8	44	148	306	171	37	0	0	0
Ford	700	0	4	5	11	36	135	274	193	40	2	0	0
Franklin	304	0	0	1	4	14	54	114	95	17	5	0	0
Geary	930	3	4	9	14	46	159	380	235	73	7	0	0
Gove	35	0	0	0	0	1	6	16	11	1	0	0	0
Graham	25	0	0	0	0	1	8	9	6	1	0	0	0
Grant	127	0	0	1	2	6	23	52	35	7	1	0	0
Gray	87	0	0	0	0	2	15	31	31	7	0	1	0
Greeley	19	0	0	0	0	1	2	8	7	1	0	0	0
Greenwood	65	0	0	0	0	1	9	26	25	4	0	0	0
Hamilton	43	0	0	1	2	1	6	17	14	2	0	0	0
Harper	68	0	1	0	4	3	11	31	16	2	0	0	0
Harvey	428	0	2	7	4	20	68	174	115	33	4	1	0
Haskell	52	1	0	0	0	0	6	27	17	1	0	0	0
Hodgeman	21	0	0	0	0	1	3	8	6	3	0	0	0
Jackson	156	0	1	1	2	8	22	58	49	14	1	0	0
Jefferson	172	0	0	1	3	5	31	69	49	14	0	0	0
Jewell	19	0	0	0	0	0	5	9	4	1	0	0	0
Johnson	7,355	10	35	53	76	268	1,080	2,775	2,337	631	80	9	1
Kearny	62	0	0	0	1	2	15	25	14	5	0	0	0
Kingman	71	0	0	0	0	4	16	28	18	3	2	0	0
Kiowa	38	0	0	0	0	1	6	19	9	2	1	0	0
Labette	243	1	0	2	5	14	63	89	49	14	6	0	0
Lane	22	0	0	0	0	3	1	10	8	0	0	0	0
Leavenworth	967	1	3	3	13	40	160	379	284	69	11	1	3
Lincoln	38	0	0	1	1	2	12	13	8	1	0	0	0
Linn	101	0	0	1	2	1	20	42	30	5	0	0	0
Logan	36	0	0	1	0	3	4	17	10	1	0	0	0

Table 19
Live Births by Birth Weight in Grams
by County of Residence
Kansas, 2011

County of Residence	Total	Birth Weight in Grams											
		Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	N.S.
Lyon	420	0	4	2	8	19	75	172	100	36	3	1	0
McPherson	347	1	3	3	0	16	61	149	91	20	2	1	0
Marion	112	0	0	0	1	4	19	47	31	7	3	0	0
Marshall	114	2	0	0	4	4	21	41	38	3	0	1	0
Meade	72	0	0	0	1	6	14	26	19	5	1	0	0
Miami	380	0	1	1	9	13	67	154	103	24	8	0	0
Mitchell	84	0	0	2	1	7	13	28	23	10	0	0	0
Montgomery	457	0	5	4	6	30	106	175	112	15	4	0	0
Morris	64	0	1	0	1	3	16	21	16	6	0	0	0
Morton	39	0	0	2	0	1	5	18	10	3	0	0	0
Nemaha	125	0	0	1	1	3	22	55	34	8	0	1	0
Neosho	214	0	0	3	2	6	44	96	51	11	1	0	0
Ness	28	0	0	0	0	1	7	13	7	0	0	0	0
Norton	49	0	1	1	1	4	14	11	14	3	0	0	0
Osage	184	0	2	0	2	10	28	82	50	10	0	0	0
Osborne	39	0	0	0	0	0	9	18	9	3	0	0	0
Ottawa	46	0	0	1	0	1	11	17	11	4	1	0	0
Pawnee	75	0	0	2	0	3	15	28	23	3	1	0	0
Phillips	50	0	0	0	0	1	11	23	10	3	1	1	0
Pottawatomie	354	1	0	1	5	15	50	155	101	24	1	1	0
Pratt	164	0	1	2	0	4	28	63	47	19	0	0	0
Rawlins	15	0	1	0	0	1	2	2	5	4	0	0	0
Reno	759	2	2	5	9	30	134	302	221	47	6	1	0
Republic	46	0	0	0	0	1	7	17	20	0	1	0	0
Rice	119	0	0	0	0	1	28	42	42	6	0	0	0
Riley	1,119	1	7	9	8	40	195	440	326	79	13	1	0
Rooks	63	0	1	1	1	2	14	21	19	4	0	0	0
Rush	26	0	0	0	1	0	6	5	9	3	2	0	0
Russell	85	0	0	1	1	7	24	28	19	5	0	0	0
Saline	756	2	4	4	19	37	156	302	195	35	2	0	0
Scott	76	0	1	0	4	2	17	32	18	2	0	0	0
Sedgwick	7,818	17	47	52	144	398	1,431	3,002	2,110	521	90	6	0
Seward	451	0	1	1	4	16	84	194	114	31	4	2	0
Shawnee	2,464	4	15	21	38	137	430	966	678	151	20	3	1
Sheridan	31	0	1	0	0	0	5	15	7	1	2	0	0
Sherman	72	1	0	0	0	4	17	25	19	5	1	0	0
Smith	27	0	0	0	0	2	3	13	8	1	0	0	0
Stafford	45	0	0	0	0	3	8	19	13	2	0	0	0
Stanton	29	0	0	0	0	2	2	15	9	1	0	0	0
Stevens	84	0	0	0	1	5	11	42	17	7	1	0	0
Sumner	263	1	0	3	4	12	43	100	75	23	1	1	0
Thomas	99	0	1	0	2	5	16	43	29	3	0	0	0
Trego	27	0	0	0	0	1	10	3	11	1	0	1	0
Wabaunsee	83	0	1	1	0	2	10	45	17	7	0	0	0
Wallace	18	0	0	0	0	4	2	8	3	0	1	0	0
Washington	61	0	2	1	0	1	11	16	23	6	1	0	0
Wichita	23	0	0	0	0	1	5	8	7	2	0	0	0
Wilson	114	1	0	1	1	2	25	44	32	7	1	0	0
Woodson	31	0	0	0	0	0	7	15	8	1	0	0	0
Wyandotte	2,732	11	17	20	41	126	529	1,114	687	156	26	5	0
N.S.	1	0	0	0	0	0	0	1	0	0	0	0	0

Table 20
Live Births by Initiation of Breastfeeding*
by County of Residence
Kansas , 2011

County of Residence	Live Births	Initiated Breastfeeding		Did Not Initiate Breastfeeding		N.S.†
		Number	Percent	Number	Percent	
Kansas	39,628	31,323	79.5	8,088	20.5	217
Allen	153	89	59.3	61	40.7	3
Anderson	108	71	65.7	37	34.3	0
Atchison	212	130	63.1	76	36.9	6
Barber	66	52	78.8	14	21.2	0
Barton	379	279	74.6	95	25.4	5
Bourbon	205	177	87.2	26	12.8	2
Brown	161	109	68.6	50	31.4	2
Butler	725	584	80.6	141	19.4	0
Chase	23	17	77.3	5	22.7	1
Chautauqua	38	31	81.6	7	18.4	0
Cherokee	254	163	65.2	87	34.8	4
Cheyenne	34	28	82.4	6	17.6	0
Clark	22	17	81.0	4	19.0	1
Clay	106	86	81.1	20	18.9	0
Cloud	107	93	86.9	14	13.1	0
Coffey	77	56	74.7	19	25.3	2
Comanche	31	26	83.9	5	16.1	0
Cowley	467	316	68.0	149	32.0	2
Crawford	508	327	65.0	176	35.0	5
Decatur	31	27	87.1	4	12.9	0
Dickinson	240	194	81.2	45	18.8	1
Doniphan	83	58	76.3	18	23.7	7
Douglas	1,216	1,031	85.1	181	14.9	4
Edwards	29	25	89.3	3	10.7	1
Elk	17	13	76.5	4	23.5	0
Ellis	408	321	79.7	82	20.3	5
Ellsworth	69	56	81.2	13	18.8	0
Finney	721	591	82.3	127	17.7	3
Ford	700	487	69.8	211	30.2	2
Franklin	304	225	74.0	79	26.0	0
Geary	930	697	75.8	223	24.2	10
Gove	35	31	91.2	3	8.8	1
Graham	25	18	72.0	7	28.0	0
Grant	127	94	74.6	32	25.4	1
Gray	87	70	80.5	17	19.5	0
Greeley	19	15	78.9	4	21.1	0
Greenwood	65	55	84.6	10	15.4	0
Hamilton	43	39	90.7	4	9.3	0
Harper	68	52	81.3	12	18.8	4
Harvey	428	375	87.6	53	12.4	0
Haskell	52	42	84.0	8	16.0	2
Hodgeman	21	20	95.2	1	4.8	0
Jackson	156	125	80.1	31	19.9	0
Jefferson	172	126	73.7	45	26.3	1
Jewell	19	18	94.7	1	5.3	0
Johnson	7,355	6,466	88.2	861	11.8	28
Kearny	62	46	75.4	15	24.6	1
Kingman	71	51	73.9	18	26.1	2
Kiowa	38	37	97.4	1	2.6	0
Labette	243	149	61.8	92	38.2	2
Lane	22	19	86.4	3	13.6	0
Leavenworth	967	780	81.8	174	18.2	13
Lincoln	38	31	81.6	7	18.4	0
Linn	101	81	80.2	20	19.8	0
Logan	36	32	88.9	4	11.1	0

Table 20
Live Births by Initiation of Breastfeeding*
by County of Residence
Kansas , 2011

County of Residence	Live Births	Initiated Breastfeeding		Did Not Initiate Breastfeeding		N.S.†
		Number	Percent	Number	Percent	
Lyon	420	332	79.2	87	20.8	1
McPherson	347	280	81.4	64	18.6	3
Marion	112	97	86.6	15	13.4	0
Marshall	114	83	75.5	27	24.5	4
Meade	72	51	71.8	20	28.2	1
Miami	380	298	78.6	81	21.4	1
Mitchell	84	68	81.0	16	19.0	0
Montgomery	457	283	62.2	172	37.8	2
Morris	64	52	83.9	10	16.1	2
Morton	39	28	73.7	10	26.3	1
Nemaha	125	106	84.8	19	15.2	0
Neosho	214	138	64.8	75	35.2	1
Ness	28	24	88.9	3	11.1	1
Norton	49	40	81.6	9	18.4	0
Osage	184	139	75.5	45	24.5	0
Osborne	39	28	71.8	11	28.2	0
Ottawa	46	38	82.6	8	17.4	0
Pawnee	75	59	78.7	16	21.3	0
Phillips	50	43	86.0	7	14.0	0
Pottawatomie	354	306	86.7	47	13.3	1
Pratt	164	133	81.6	30	18.4	1
Rawlins	15	14	93.3	1	6.7	0
Reno	759	586	77.3	172	22.7	1
Republic	46	43	93.5	3	6.5	0
Rice	119	97	81.5	22	18.5	0
Riley	1,119	934	83.8	180	16.2	5
Rooks	63	53	84.1	10	15.9	0
Rush	26	20	76.9	6	23.1	0
Russell	85	59	69.4	26	30.6	0
Saline	756	572	76.1	180	23.9	4
Scott	76	65	85.5	11	14.5	0
Sedgwick	7,818	6,114	78.5	1,671	21.5	33
Seward	451	323	71.8	127	28.2	1
Shawnee	2,464	1,872	76.2	586	23.8	6
Sheridan	31	24	77.4	7	22.6	0
Sherman	72	58	81.7	13	18.3	1
Smith	27	20	74.1	7	25.9	0
Stafford	45	43	95.6	2	4.4	0
Stanton	29	26	89.7	3	10.3	0
Stevens	84	66	78.6	18	21.4	0
Sumner	263	207	79.3	54	20.7	2
Thomas	99	88	88.9	11	11.1	0
Trego	27	23	85.2	4	14.8	0
Wabaunsee	83	72	87.8	10	12.2	1
Wallace	18	17	94.4	1	5.6	0
Washington	61	54	88.5	7	11.5	0
Wichita	23	21	91.3	2	8.7	0
Wilson	114	80	70.8	33	29.2	1
Woodson	31	23	74.2	8	25.8	0
Wyandotte	2,732	1,974	72.8	736	27.2	22
N.S.	1	1	n/a	0	n/a	0

*See Technical Notes

†Not stated (N.S.) includes births with missing/unknown data and where the infant died shortly after birth.

Table 21
Live Births by the Mother's Reported Cigarette Use*
by County of Residence
Kansas, 2011

County of Residence	Total	3 Months Prior to Pregnancy	First Trimester of Pregnancy	Second Trimester of Pregnancy	Third Trimester of Pregnancy	Any Time During Pregnancy		N.S.
						Number	Percent	
Kansas	39,628	6,732	5,625	4,978	4,795	5,704	14.5	187
Allen	153	39	33	29	29	33	21.7	1
Anderson	108	26	20	15	14	20	18.7	1
Atchison	212	58	53	47	46	54	25.5	0
Barber	66	13	11	10	8	11	16.9	1
Barton	379	84	71	64	63	75	19.9	2
Bourbon	205	46	44	44	43	44	21.6	1
Brown	161	50	39	34	32	40	25.2	2
Butler	725	164	153	147	143	155	21.4	2
Chase	23	7	6	4	4	7	30.4	0
Chautauqua	38	9	7	7	6	7	18.4	0
Cherokee	254	71	61	54	53	62	24.5	1
Cheyenne	34	8	7	6	5	7	20.6	0
Clark	22	2	1	1	1	1	4.5	0
Clay	106	31	30	24	22	30	28.3	0
Cloud	107	31	25	18	18	26	24.5	1
Coffey	77	18	16	13	13	16	21.1	1
Comanche	31	3	3	3	3	3	9.7	0
Cowley	467	132	105	92	86	108	23.2	1
Crawford	508	118	101	94	94	101	19.9	0
Decatur	31	11	9	5	4	9	37.5	7
Dickinson	240	68	57	50	47	57	23.8	0
Doniphan	83	18	15	14	13	15	18.3	1
Douglas	1,216	208	147	114	107	148	12.2	1
Edwards	29	4	3	3	3	3	10.3	0
Elk	17	6	6	6	6	6	35.3	0
Ellis	408	81	55	50	48	58	14.2	0
Ellsworth	69	21	16	15	14	16	23.2	0
Finney	721	80	52	42	39	53	7.4	3
Ford	700	63	44	39	37	46	6.6	3
Franklin	304	85	77	69	66	77	25.5	2
Geary	930	202	175	146	133	176	18.9	0
Gove	35	4	2	1	1	2	5.7	0
Graham	25	10	9	8	8	9	36.0	0
Grant	127	17	16	13	10	16	12.7	1
Gray	87	10	6	5	5	6	6.9	0
Greeley	19	1	1	1	1	1	5.3	0
Greenwood	65	21	21	16	16	21	32.3	0
Hamilton	43	8	5	4	4	5	11.6	0
Harper	68	18	18	18	17	18	26.9	1
Harvey	428	78	72	64	60	72	16.8	0
Haskell	52	5	3	3	3	3	5.9	1
Hodgeman	21	6	4	4	3	4	20.0	1
Jackson	156	42	34	30	30	34	21.8	0
Jefferson	172	46	37	30	29	38	22.5	3
Jewell	19	6	4	3	4	5	35.7	5
Johnson	7,355	536	360	288	266	368	5.0	15
Kearny	62	12	10	8	8	10	16.4	1
Kingman	71	13	11	10	10	11	15.5	0
Kiowa	38	3	2	1	1	2	5.3	0
Labette	243	69	58	57	56	58	23.9	0
Lane	22	5	3	2	2	3	13.6	0
Leavenworth	967	188	147	129	123	151	15.7	6
Lincoln	38	11	10	10	10	10	26.3	0
Linn	101	23	20	16	16	20	20.0	1
Logan	36	9	8	7	7	8	22.2	0

Table 21
Live Births by the Mother's Reported Cigarette Use*
by County of Residence
Kansas, 2011

County of Residence	Total	3 Months Prior to Pregnancy	First Trimester of Pregnancy	Second Trimester of Pregnancy	Third Trimester of Pregnancy	Any Time During Pregnancy		N.S.
						Number	Percent	
Lyon	420	77	64	42	40	64	15.3	3
McPherson	347	67	58	49	47	58	16.8	1
Marion	112	16	16	14	13	16	14.3	0
Marshall	114	17	15	15	14	15	13.3	1
Meade	72	12	9	9	9	9	12.7	1
Miami	380	92	67	64	63	70	18.4	0
Mitchell	84	15	13	10	10	13	16.0	3
Montgomery	457	155	137	123	116	139	30.4	0
Morris	64	15	12	10	8	12	18.8	0
Morton	39	10	6	6	6	6	16.2	2
Nemaha	125	23	21	18	19	21	17.4	4
Neosho	214	62	53	50	49	53	24.8	0
Ness	28	5	5	3	3	5	17.9	0
Norton	49	8	7	7	8	8	17.0	2
Osage	184	48	38	34	33	38	20.8	1
Osborne	39	8	7	5	5	7	17.9	0
Ottawa	46	9	6	6	4	6	13.0	0
Pawnee	75	19	15	13	12	15	20.0	0
Phillips	50	16	12	9	8	12	27.3	6
Pottawatomie	354	58	46	40	37	46	13.1	4
Pratt	164	39	34	32	29	34	20.7	0
Rawlins	15	2	1	1	1	1	7.1	1
Reno	759	188	145	130	130	149	19.8	6
Republic	46	9	6	4	4	6	13.6	2
Rice	119	33	27	26	24	29	24.4	0
Riley	1,119	152	110	93	87	116	10.4	5
Rooks	63	29	18	18	18	19	30.2	0
Rush	26	8	6	6	6	6	23.1	0
Russell	85	31	26	21	22	26	31.0	1
Saline	756	197	158	133	131	161	21.3	0
Scott	76	17	12	11	9	13	17.1	0
Sedgwick	7,818	1,294	1,246	1,169	1,150	1,250	16.0	27
Seward	451	30	20	18	18	20	4.5	6
Shawnee	2,464	529	426	370	351	436	17.9	29
Sheridan	31	4	4	3	3	4	13.3	1
Sherman	72	11	12	11	11	12	16.7	0
Smith	27	7	5	5	4	5	22.7	5
Stafford	45	8	8	7	7	8	17.8	0
Stanton	29	3	3	1	1	3	10.3	0
Stevens	84	12	10	9	9	10	11.9	0
Sumner	263	55	52	49	48	52	19.8	0
Thomas	99	17	14	13	12	15	15.2	0
Trego	27	7	7	6	5	7	25.9	0
Wabaunsee	83	19	11	9	10	12	14.6	1
Wallace	18	3	1	0	0	1	5.6	0
Washington	61	6	5	5	5	5	8.9	5
Wichita	23	3	2	2	1	2	8.7	0
Wilson	114	32	28	24	24	28	24.6	0
Woodson	31	9	8	7	7	8	25.8	0
Wyandotte	2,732	348	310	281	274	314	11.5	4
N.S.	1	0	0	0	0	0	0.0	0

* See Technical Notes

Table 22
Live Births by Birth Weight Category for Gestational Age*
by County of Residence
Kansas, 2011

County of Residence	Total	Normal for Gestational Age (10th or greater percentile)		Small for Gestational Age (Less than 10th percentile)		N.S.
		Number	Percent	Number	Percent	
Kansas	39,628	35,651	90.1	3,939	9.9	38
Allen	153	142	92.8	11	7.2	0
Anderson	108	94	87.0	14	13.0	0
Atchison	212	187	88.2	25	11.8	0
Barber	66	61	93.8	4	6.2	1
Barton	379	334	88.4	44	11.6	1
Bourbon	205	188	91.7	17	8.3	0
Brown	161	145	90.1	16	9.9	0
Butler	725	652	90.1	72	9.9	1
Chase	23	19	82.6	4	17.4	0
Chautauqua	38	34	89.5	4	10.5	0
Cherokee	254	220	87.3	32	12.7	2
Cheyenne	34	28	82.4	6	17.6	0
Clark	22	18	81.8	4	18.2	0
Clay	106	94	88.7	12	11.3	0
Cloud	107	97	90.7	10	9.3	0
Coffey	77	69	90.8	7	9.2	1
Comanche	31	28	90.3	3	9.7	0
Cowley	467	422	90.4	45	9.6	0
Crawford	508	459	90.5	48	9.5	1
Decatur	31	28	90.3	3	9.7	0
Dickinson	240	219	91.3	21	8.8	0
Doniphan	83	81	97.6	2	2.4	0
Douglas	1,216	1,116	91.8	100	8.2	0
Edwards	29	24	82.8	5	17.2	0
Elk	17	16	94.1	1	5.9	0
Ellis	408	367	90.0	41	10.0	0
Ellsworth	69	67	97.1	2	2.9	0
Finney	721	640	88.9	80	11.1	1
Ford	700	598	85.4	102	14.6	0
Franklin	304	275	90.5	29	9.5	0
Geary	930	841	90.4	89	9.6	0
Gove	35	34	97.1	1	2.9	0
Graham	25	23	92.0	2	8.0	0
Grant	127	114	89.8	13	10.2	0
Gray	87	82	94.3	5	5.7	0
Greeley	19	19	100.0	0	0.0	0
Greenwood	65	62	95.4	3	4.6	0
Hamilton	43	42	97.7	1	2.3	0
Harper	68	62	91.2	6	8.8	0
Harvey	428	386	90.2	42	9.8	0
Haskell	52	51	98.1	1	1.9	0
Hodgeman	21	19	90.5	2	9.5	0
Jackson	156	144	92.3	12	7.7	0
Jefferson	172	160	93.6	11	6.4	1
Jewell	19	16	84.2	3	15.8	0
Johnson	7,355	6,726	91.5	627	8.5	2
Kearny	62	55	88.7	7	11.3	0
Kingman	71	60	84.5	11	15.5	0
Kiowa	38	36	94.7	2	5.3	0
Labette	243	221	90.9	22	9.1	0
Lane	22	21	95.5	1	4.5	0
Leavenworth	967	872	90.6	90	9.4	5
Lincoln	38	33	86.8	5	13.2	0
Linn	101	89	88.1	12	11.9	0
Logan	36	31	86.1	5	13.9	0

Table 22
Live Births by Birth Weight Category for Gestational Age*
by County of Residence
Kansas, 2011

County of Residence	Total	Normal for Gestational Age (10th or greater percentile)		Small for Gestational Age (Less than 10th percentile)		N.S.
		Number	Percent	Number	Percent	
Lyon	420	381	90.7	39	9.3	0
McPherson	347	311	89.6	36	10.4	0
Marion	112	102	91.1	10	8.9	0
Marshall	114	97	85.1	17	14.9	0
Meade	72	62	87.3	9	12.7	1
Miami	380	348	91.6	32	8.4	0
Mitchell	84	78	92.9	6	7.1	0
Montgomery	457	403	88.2	54	11.8	0
Morris	64	56	87.5	8	12.5	0
Morton	39	36	94.7	2	5.3	1
Nemaha	125	113	90.4	12	9.6	0
Neosho	214	188	88.3	25	11.7	1
Ness	28	23	82.1	5	17.9	0
Norton	49	38	77.6	11	22.4	0
Osage	184	167	90.8	17	9.2	0
Osborne	39	37	94.9	2	5.1	0
Ottawa	46	39	84.8	7	15.2	0
Pawnee	75	69	92.0	6	8.0	0
Phillips	50	44	88.0	6	12.0	0
Pottawatomie	354	331	93.5	23	6.5	0
Pratt	164	152	92.7	12	7.3	0
Rawlins	15	14	93.3	1	6.7	0
Reno	759	692	91.2	67	8.8	0
Republic	46	44	95.7	2	4.3	0
Rice	119	102	85.7	17	14.3	0
Riley	1,119	1,043	93.2	76	6.8	0
Rooks	63	53	84.1	10	15.9	0
Rush	26	24	92.3	2	7.7	0
Russell	85	72	85.7	12	14.3	1
Saline	756	668	88.4	88	11.6	0
Scott	76	69	90.8	7	9.2	0
Sedgwick	7,818	6,966	89.2	846	10.8	6
Seward	451	402	89.7	46	10.3	3
Shawnee	2,464	2,224	90.5	234	9.5	6
Sheridan	31	29	93.5	2	6.5	0
Sherman	72	65	90.3	7	9.7	0
Smith	27	22	81.5	5	18.5	0
Stafford	45	38	84.4	7	15.6	0
Stanton	29	28	96.6	1	3.4	0
Stevens	84	74	88.1	10	11.9	0
Sumner	263	239	90.9	24	9.1	0
Thomas	99	89	89.9	10	10.1	0
Trego	27	25	92.6	2	7.4	0
Wabaunsee	83	79	95.2	4	4.8	0
Wallace	18	18	100.0	0	0.0	0
Washington	61	57	93.4	4	6.6	0
Wichita	23	22	95.7	1	4.3	0
Wilson	114	99	86.8	15	13.2	0
Woodson	31	28	90.3	3	9.7	0
Wyandotte	2,732	2,369	86.8	360	13.2	3
N.S.	1	1	n/a	0	n/a	0

* See Technical Notes

Table 23
Mother's Weight Gain in Pregnancy by Prepregnancy BMI Category*
by County of Residence
Kansas, 2011

County of Residence	Singleton Births	Less than Recommended Weight Gain		Recommended Weight Gain		More than Recommended Weight Gain		N.S.†
		Number	Percent	Number	Percent	Number	Percent	
Kansas	38,329	7,452	19.8	11,854	31.5	18,305	48.7	718
Allen	149	33	22.6	44	30.1	69	47.3	3
Anderson	104	22	21.6	37	36.3	43	42.2	2
Atchison	200	39	19.7	69	34.8	90	45.5	2
Barber	62	15	24.6	17	27.9	29	47.5	1
Barton	372	99	27.8	114	32.0	143	40.2	16
Bourbon	197	70	35.9	55	28.2	70	35.9	2
Brown	154	28	18.5	55	36.4	68	45.0	3
Butler	707	124	17.7	230	32.8	348	49.6	5
Chase	23	6	27.3	5	22.7	11	50.0	1
Chautauqua	38	13	34.2	12	31.6	13	34.2	0
Cherokee	246	55	22.5	80	32.8	109	44.7	2
Cheyenne	31	10	32.3	8	25.8	13	41.9	0
Clark	20	6	30.0	6	30.0	8	40.0	0
Clay	102	17	16.8	35	34.7	49	48.5	1
Cloud	105	25	23.8	36	34.3	44	41.9	0
Coffey	73	10	14.3	26	37.1	34	48.6	3
Comanche	25	6	24.0	10	40.0	9	36.0	0
Cowley	447	107	24.4	117	26.7	215	49.0	8
Crawford	495	136	27.8	134	27.4	219	44.8	6
Decatur	31	5	16.1	8	25.8	18	58.1	0
Dickinson	234	47	20.2	68	29.2	118	50.6	1
Doniphan	83	17	20.7	24	29.3	41	50.0	1
Douglas	1,170	231	20.0	371	32.1	554	47.9	14
Edwards	27	7	28.0	10	40.0	8	32.0	2
Elk	17	6	35.3	1	5.9	10	58.8	0
Ellis	388	82	21.2	138	35.8	166	43.0	2
Ellsworth	69	16	23.2	30	43.5	23	33.3	0
Finney	706	159	22.7	190	27.1	351	50.1	6
Ford	684	145	21.4	228	33.6	306	45.1	5
Franklin	296	64	22.0	78	26.8	149	51.2	5
Geary	900	186	20.9	255	28.6	451	50.6	8
Gove	35	12	34.3	13	37.1	10	28.6	0
Graham	23	3	13.0	10	43.5	10	43.5	0
Grant	127	32	27.6	31	26.7	53	45.7	11
Gray	87	4	4.6	29	33.3	54	62.1	0
Greeley	19	3	16.7	9	50.0	6	33.3	1
Greenwood	65	12	18.5	21	32.3	32	49.2	0
Hamilton	41	14	34.1	12	29.3	15	36.6	0
Harper	62	13	21.3	23	37.7	25	41.0	1
Harvey	418	81	19.4	128	30.7	208	49.9	1
Haskell	52	8	17.0	12	25.5	27	57.4	5
Hodgeman	21	8	40.0	2	10.0	10	50.0	1
Jackson	156	29	19.9	44	30.1	73	50.0	10
Jefferson	162	30	18.9	54	34.0	75	47.2	3
Jewell	19	6	31.6	5	26.3	8	42.1	0
Johnson	7,094	1,025	14.5	2,450	34.7	3,577	50.7	42
Kearny	62	24	39.3	16	26.2	21	34.4	1
Kingman	67	10	15.2	13	19.7	43	65.2	1
Kiowa	36	8	22.2	8	22.2	20	55.6	0
Labette	231	61	26.6	60	26.2	108	47.2	2
Lane	18	4	22.2	3	16.7	11	61.1	0
Leavenworth	944	178	19.4	277	30.1	464	50.5	25
Lincoln	36	11	30.6	11	30.6	14	38.9	0
Linn	97	18	18.8	32	33.3	46	47.9	1
Logan	34	8	23.5	13	38.2	13	38.2	0

Table 23
Mother's Weight Gain in Pregnancy by Prepregnancy BMI Category*
by County of Residence
Kansas, 2011

County of Residence	Singleton Births	Less than Recommended Weight Gain		Recommended Weight Gain		More than Recommended Weight Gain		N.S.†
		Number	Percent	Number	Percent	Number	Percent	
Lyon	403	68	17.8	112	29.3	202	52.9	21
McPherson	330	71	21.6	124	37.8	133	40.5	2
Marion	110	21	19.1	30	27.3	59	53.6	0
Marshall	112	32	28.6	34	30.4	46	41.1	0
Meade	70	13	18.8	18	26.1	38	55.1	1
Miami	366	72	19.9	111	30.7	178	49.3	5
Mitchell	82	21	25.6	28	34.1	33	40.2	0
Montgomery	437	133	30.9	122	28.4	175	40.7	7
Morris	60	16	27.1	21	35.6	22	37.3	1
Morton	39	8	21.6	13	35.1	16	43.2	2
Nemaha	119	19	16.0	44	37.0	56	47.1	0
Neosho	208	47	22.8	77	37.4	82	39.8	2
Ness	26	4	15.4	9	34.6	13	50.0	0
Norton	47	12	26.1	16	34.8	18	39.1	1
Osage	177	46	26.9	41	24.0	84	49.1	6
Osborne	39	7	17.9	10	25.6	22	56.4	0
Ottawa	46	9	19.6	14	30.4	23	50.0	0
Pawnee	73	20	27.4	15	20.5	38	52.1	0
Phillips	48	6	12.8	23	48.9	18	38.3	1
Pottawatomie	334	62	18.9	106	32.3	160	48.8	6
Pratt	162	34	21.0	51	31.5	77	47.5	0
Rawlins	15	2	13.3	5	33.3	8	53.3	0
Reno	741	160	21.7	206	27.9	373	50.5	2
Republic	46	9	19.6	16	34.8	21	45.7	0
Rice	115	26	22.6	36	31.3	53	46.1	0
Riley	1,085	215	20.1	341	31.9	513	48.0	16
Rooks	61	15	24.6	22	36.1	24	39.3	0
Rush	26	2	7.7	9	34.6	15	57.7	0
Russell	79	21	26.9	24	30.8	33	42.3	1
Saline	730	150	20.6	248	34.1	330	45.3	2
Scott	71	14	20.0	19	27.1	37	52.9	1
Sedgwick	7,569	1,395	18.8	2,311	31.2	3,703	50.0	160
Seward	443	100	23.9	108	25.8	210	50.2	25
Shawnee	2,366	468	21.7	650	30.1	1,041	48.2	207
Sheridan	29	3	10.3	11	37.9	15	51.7	0
Sherman	72	14	19.4	28	38.9	30	41.7	0
Smith	25	2	8.0	7	28.0	16	64.0	0
Stafford	41	9	22.5	13	32.5	18	45.0	1
Stanton	29	5	20.8	8	33.3	11	45.8	5
Stevens	82	12	15.6	27	35.1	38	49.4	5
Sumner	257	45	17.8	93	36.8	115	45.5	4
Thomas	97	24	24.7	36	37.1	37	38.1	0
Trego	23	6	26.1	10	43.5	7	30.4	0
Wabaunsee	81	13	17.1	29	38.2	34	44.7	5
Wallace	18	7	38.9	1	5.6	10	55.6	0
Washington	59	18	31.0	15	25.9	25	43.1	1
Wichita	23	5	21.7	9	39.1	9	39.1	0
Wilson	113	38	34.2	28	25.2	45	40.5	2
Woodson	29	4	13.8	11	37.9	14	48.3	0
Wyandotte	2,654	561	21.3	747	28.4	1,324	50.3	22
N.S.	1	0	0.0	0	n/a	1	n/a	0

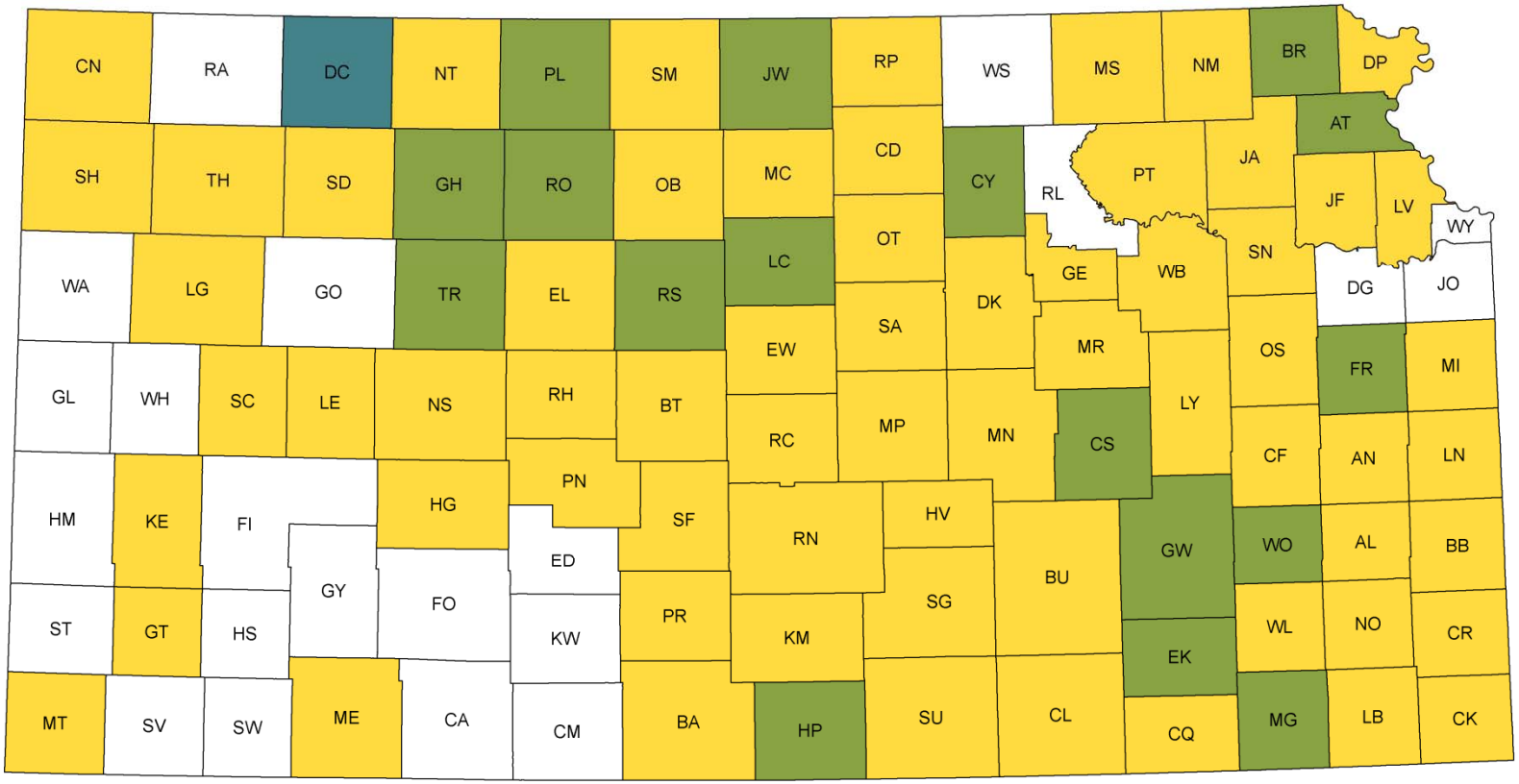
* See Technical Notes
† includes births where height, prepegnancy weight or weight at delivery are unknown

Table 24
Live Births by Age-Group of Mother by Birth Weight in Grams
Kansas, 2011

Age-Group of Mother	Total	Birth Weight in Grams											
		Under 500	500 - 999	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 - 4,999	5,000 & Over	N.S.
Total.....	39,628	72	186	269	548	1,792	7,016	15,567	11,051	2,692	381	47	7
10-14.....	52	2	0	0	0	3	10	22	14	0	0	0	1
15-19.....	3,493	9	19	28	54	190	795	1,491	763	128	12	3	1
20-24.....	10,265	21	54	59	135	490	2065	4,248	2,559	547	81	6	0
25-29.....	12,539	16	57	68	152	550	2,070	4,940	3,637	899	140	8	2
30-34.....	9,054	19	34	69	129	370	1,436	3,314	2,832	744	89	17	1
35-39.....	3,479	2	15	34	63	157	498	1,291	1,045	317	46	10	1
40-44.....	708	2	5	8	13	32	132	254	193	53	13	3	0
45 & Over.....	35	1	2	3	2	0	10	6	8	3	0	0	0
N.S.....	3	0	0	0	0	0	0	1	0	1	0	0	1

Maternal Tobacco Use
by County of Residence

Kansas, 2011



Legend *

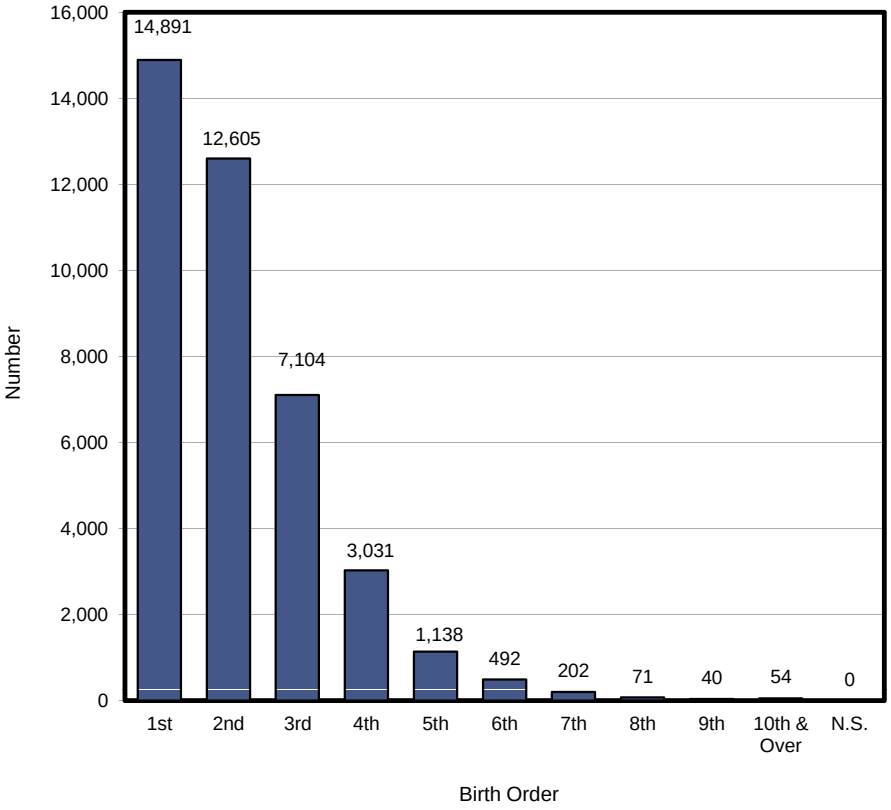
Under 12.5 % | 12.5 % - 24.9 % | 25.0 % - 37.4 % | 37.5 % and over

Figure 14

*Percent of births in which mother smoked at any time during pregnancy or during the three months preceding pregnancy

Live Births by Birth Order*

Kansas, 2011



* Sum of prior live births plus current birth.

Figure 15

Table 25
Live Births by Age-Group of Mother by Birth Order
Kansas, 2011

		Age-Group of Mother									
Birth Order	Total	Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Total.....	39,628	948	52	3,493	10,265	12,539	9,054	3,479	708	35	3
First.....	14,891	877	51	2,804	4,865	4,435	2,050	557	122	5	2
Second.....	12,605	65	1	588	3,505	4,259	3,101	974	172	5	0
Third.....	7,104	5	0	93	1,421	2,371	2,176	905	131	6	1
Fourth.....	3,031	1	0	7	371	981	1,028	535	107	2	0
Fifth.....	1,138	0	0	1	82	314	402	255	77	7	0
Sixth.....	492	0	0	0	13	123	169	138	46	3	0
Seventh.....	202	0	0	0	4	44	72	53	25	4	0
Eighth.....	71	0	0	0	3	7	36	21	4	0	0
Ninth.....	40	0	0	0	0	3	11	19	6	1	0
Tenth & Over...	54	0	0	0	1	2	9	22	18	2	0
N.S.....	0	0	0	0	0	0	0	0	0	0	0

Table 26
Live Births by Trimester Prenatal Care Began
by Population Group of Mother
Kansas, 2011

Population Group of Mother	Total	Trimester Care Began								
		1ST		2ND		3RD		NONE		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	N.S.
Kansas	39,628	29,618	77.3	6,962	18.2	1,337	3.5	378	1.0	1,333
White Non-Hispanic	28,382	22,871	82.0	4,179	15.0	673	2.4	154	0.6	505
Black Non-Hispanic	2,708	1,616	64.8	681	27.3	138	5.5	59	2.4	214
Native American Non-Hispanic	229	155	69.5	48	21.5	18	8.1	2	0.9	6
Asian/Pacific Islander Non-Hispanic	1,132	828	75.8	205	18.8	41	3.8	18	1.6	40
Other Non-Hispanic	862	534	69.6	180	23.5	38	5.0	15	2.0	95
Hispanic	6,293	3,602	61.8	1,668	28.6	426	7.3	128	2.2	469
N.S.	22	12	60.5	1	26.3	3	2.6	2	10.5	4

Table 27
Live Births by Population Group of Mother by Birth Weight in Grams
Kansas, 2011

Population Group of Mother	Total	Birth Weight in Grams											
		Under 500	500 - 999	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 - 4,999	5,000 & Over	N.S.
Total	39,628	72	186	269	548	1,792	7,016	15,567	11,051	2,692	381	47	7
White Non-Hispanic	28,382	33	113	182	358	1,207	4,726	10,977	8,315	2,119	312	37	3
Black Non-Hispanic	2,708	23	34	32	75	201	704	1,058	484	83	14	0	0
Native American Non-Hispanic	229	0	3	1	10	12	40	78	67	16	1	1	0
Asian/Pacific Islander Non-Hispanic	1,132	1	2	7	15	60	262	498	246	37	4	0	0
Other/Multi-Race Non-Hispanic	862	2	6	8	11	50	193	351	197	39	4	1	0
Hispanic	6,293	11	28	39	78	262	1,090	2,596	1,737	397	46	8	1
N.S.	22	2	0	0	1	0	1	9	5	1	0	0	3

Table 28
Live Births by Population Group of Mother by Final Route of Delivery
Kansas, 2011

Population Group of Mother	Total	Final Route of Delivery									
		Vaginal, Spontaneous	Vaginal, Forceps	Vaginal, Vacuum	Percent Vaginal	Cesarean, Trial of Labor	Cesarean, no Trial of Labor	Cesarean, Trial N.S.	Percent Cesarean	Percent Cesarean w/ Trial	N.S.
Total	39,628	26,061	460	1,150	69.8	4,035	7,897	18	30.2	33.8	7
White Non-Hispanic	28,382	18,480	369	790	69.2	2,853	5,872	14	30.8	32.7	4
Black Non-Hispanic	2,708	1,766	15	53	67.7	345	527	2	32.3	39.6	0
Native American Non-Hispanic	229	132	2	6	61.1	36	53	0	38.9	40.4	0
Asian/Pacific Islander Non-Hispanic	1,132	742	13	64	72.4	136	175	1	27.6	43.7	1
Other/Multi-Race Non-Hispanic	862	563	13	32	70.5	100	154	0	29.5	39.4	0
Hispanic	6,293	4,361	48	205	73.3	564	1,114	1	26.7	33.6	0
N.S.	22	17	0	0	85.0	1	2	0	15.0	33.3	2

Table 29
Live Births by Population Group
by County of Residence
Kansas, 2011

County of Residence	Total	Population Group: White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Kansas	39,628	28,382	2,708	229	1,132	862	6,293	22
Allen	153	141	4	0	0	3	4	1
Anderson	108	106	1	0	0	0	1	0
Atchison	212	187	13	0	0	6	6	0
Barber	66	61	1	0	1	0	2	1
Barton	379	292	3	2	3	6	73	0
Bourbon	205	190	7	3	1	1	3	0
Brown	161	122	2	22	0	6	7	2
Butler	725	654	6	2	11	6	45	1
Chase	23	21	0	1	0	1	0	0
Chautauqua	38	35	0	2	0	1	0	0
Cherokee	254	229	1	7	3	10	4	0
Cheyenne	34	27	0	0	1	0	6	0
Clark	22	21	0	0	0	0	1	0
Clay	106	99	1	1	0	3	2	0
Cloud	107	103	0	1	1	0	2	0
Coffey	77	72	0	0	1	2	1	1
Comanche	31	29	1	0	0	0	1	0
Cowley	467	369	6	10	8	7	67	0
Crawford	508	438	11	5	10	8	36	0
Decatur	31	30	0	0	0	1	0	0
Dickinson	240	216	0	0	3	4	17	0
Doniphan	83	81	0	0	0	2	0	0
Douglas	1,216	964	40	28	67	44	72	1
Edwards	29	17	0	0	1	0	11	0
Elk	17	16	0	0	0	0	1	0
Ellis	408	358	4	1	4	4	37	0
Ellsworth	69	62	0	1	0	3	3	0
Finney	721	262	15	1	30	7	406	0
Ford	700	202	8	3	6	7	474	0
Franklin	304	275	3	2	5	6	13	0
Geary	930	565	153	5	24	50	133	0
Gove	35	33	0	0	0	0	2	0
Graham	25	24	0	0	0	1	0	0
Grant	127	51	0	1	0	0	75	0
Gray	87	68	0	0	0	1	18	0
Greeley	19	14	0	0	0	0	5	0
Greenwood	65	58	0	3	1	0	3	0
Hamilton	43	23	1	0	0	0	19	0
Harper	68	61	0	0	0	1	6	0
Harvey	428	351	5	1	4	9	58	0
Haskell	52	35	0	0	0	0	17	0
Hodgeman	21	17	0	0	0	1	3	0
Jackson	156	127	1	14	0	6	8	0
Jefferson	172	160	0	2	1	3	6	0
Jewell	19	19	0	0	0	0	0	0
Johnson	7,355	5,718	381	4	394	120	736	2
Kearny	62	39	0	0	0	0	23	0
Kingman	71	69	0	0	1	0	1	0
Kiowa	38	32	0	0	0	0	6	0
Labette	243	206	16	4	2	8	7	0
Lane	22	21	0	0	0	0	1	0
Leavenworth	967	795	74	3	16	22	56	1
Lincoln	38	35	0	1	0	0	2	0
Linn	101	97	0	0	1	0	3	0
Logan	36	34	0	0	0	1	1	0

Table 29
Live Births by Population Group
by County of Residence
Kansas, 2011

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Lyon	420	276	13	2	4	13	112	0
McPherson	347	318	4	3	3	1	18	0
Marion	112	102	0	0	0	1	8	1
Marshall	114	108	2	0	0	0	4	0
Meade	72	52	1	0	0	1	18	0
Miami	380	355	2	2	4	7	10	0
Mitchell	84	77	0	0	1	0	6	0
Montgomery	457	360	28	9	3	12	45	0
Morris	64	61	0	0	2	1	0	0
Morton	39	24	0	0	0	0	15	0
Nemaha	125	118	1	1	1	0	3	1
Neosho	214	199	1	1	1	2	10	0
Ness	28	26	0	0	0	0	2	0
Norton	49	41	0	1	1	2	3	1
Osage	184	175	1	0	3	2	3	0
Osborne	39	36	0	1	1	1	0	0
Ottawa	46	43	0	0	0	2	1	0
Pawnee	75	66	3	1	0	1	4	0
Phillips	50	47	0	0	1	0	2	0
Pottawatomie	354	324	2	2	4	5	15	2
Pratt	164	139	1	1	0	3	20	0
Rawlins	15	12	0	0	0	0	3	0
Reno	759	655	16	0	4	13	71	0
Republic	46	42	2	0	1	0	1	0
Rice	119	97	0	1	0	1	20	0
Riley	1,119	842	70	4	59	31	112	1
Rooks	63	60	0	0	0	1	2	0
Rush	26	25	0	0	0	0	1	0
Russell	85	80	0	0	0	3	2	0
Saline	756	567	21	4	13	34	117	0
Scott	76	55	0	0	0	0	21	0
Sedgwick	7,818	4,930	914	37	300	157	1,480	0
Seward	451	101	9	2	6	1	332	0
Shawnee	2,464	1,664	244	21	32	93	405	5
Sheridan	31	24	0	0	0	0	7	0
Sherman	72	62	0	0	0	0	10	0
Smith	27	25	0	0	0	1	1	0
Stafford	45	35	0	0	1	0	9	0
Stanton	29	14	0	0	0	0	15	0
Stevens	84	47	0	0	1	1	34	1
Sumner	263	246	2	1	1	3	10	0
Thomas	99	85	1	0	2	0	11	0
Trego	27	27	0	0	0	0	0	0
Wabaunsee	83	77	0	0	1	1	4	0
Wallace	18	16	0	0	0	1	1	0
Washington	61	56	0	0	1	0	4	0
Wichita	23	16	0	0	0	0	7	0
Wilson	114	111	1	0	0	1	1	0
Woodson	31	27	0	0	0	1	3	0
Wyandotte	2,732	1,106	611	5	81	103	826	0
N.S.	1	0	0	0	0	1	0	0

*Includes selection of two or more races and other non-specified race

Table 30
Out-of-Wedlock Births by Age-Group and Population Group of Mother
by County of Residence
Kansas, 2011

County of Residence	Total	Age-Group of Mother									Population Group						
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.	White Non-Hisp.	Black Non-Hisp.	Nat. Am. Non-Hisp.	Asian/PI Non-Hisp.	Other Non Hisp.*	Hisp. Any Race	N.S.
Kansas	14,749	51	3,012	5,983	3,404	1,550	593	149	7	0	8,676	2,003	139	152	411	3,360	8
Allen	81	0	15	36	18	10	2	0	0	0	71	3	0	0	3	3	1
Anderson	34	0	8	13	9	3	0	1	0	0	34	0	0	0	0	0	0
Atchison	95	0	23	44	18	9	1	0	0	0	76	11	0	0	4	4	0
Barber	18	0	3	10	3	2	0	0	0	0	18	0	0	0	0	0	0
Barton	184	0	41	85	40	13	5	0	0	0	134	2	1	1	5	41	0
Bourbon	87	0	25	38	16	7	1	0	0	0	79	5	1	0	0	2	0
Brown	65	0	17	31	14	3	0	0	0	0	39	0	15	0	4	5	2
Butler	237	0	38	104	68	21	3	3	0	0	201	4	1	2	5	24	0
Chase	5	0	1	3	1	0	0	0	0	0	4	0	0	0	1	0	0
Chautauqua	11	0	2	1	7	0	1	0	0	0	10	0	0	0	1	0	0
Cherokee	99	0	33	37	21	4	3	1	0	0	88	1	2	1	5	2	0
Cheyenne	12	0	1	6	3	2	0	0	0	0	11	0	0	0	0	1	0
Clark	4	0	2	0	1	1	0	0	0	0	3	0	0	0	0	1	0
Clay	34	0	9	14	7	3	1	0	0	0	31	1	1	0	1	0	0
Cloud	44	0	7	21	10	4	2	0	0	0	43	0	1	0	0	0	0
Coffey	24	0	3	11	6	1	3	0	0	0	22	0	0	0	1	1	0
Comanche	7	0	2	2	3	0	0	0	0	0	7	0	0	0	0	0	0
Cowley	239	0	63	101	47	19	8	1	0	0	184	3	3	3	4	42	0
Crawford	223	2	39	110	43	22	6	1	0	0	192	7	2	1	1	20	0
Decatur	8	0	4	2	0	1	1	0	0	0	8	0	0	0	0	0	0
Dickinson	80	0	20	37	13	4	6	0	0	0	71	0	0	1	2	6	0
Doniphan	38	0	5	19	9	3	2	0	0	0	37	0	0	0	1	0	0
Douglas	380	0	52	138	102	60	25	3	0	0	272	24	21	5	23	35	0
Edwards	11	0	3	3	3	2	0	0	0	0	5	0	0	0	0	6	0
Elk	8	0	2	5	1	0	0	0	0	0	8	0	0	0	0	0	0
Ellis	143	0	24	64	39	6	9	1	0	0	114	4	0	0	2	23	0
Ellsworth	17	0	2	9	6	0	0	0	0	0	13	0	0	0	2	2	0
Finney	358	2	87	151	66	35	16	1	0	0	97	10	0	4	1	246	0
Ford	329	0	64	136	85	32	7	5	0	0	79	3	2	2	5	238	0
Franklin	116	0	22	64	16	9	5	0	0	0	103	0	2	0	5	6	0
Geary	241	0	54	97	56	22	9	3	0	0	100	77	1	7	21	35	0
Gove	6	0	0	3	1	1	1	0	0	0	5	0	0	0	0	1	0
Graham	10	0	4	4	1	1	0	0	0	0	9	0	0	0	1	0	0
Grant	53	0	13	22	9	6	3	0	0	0	17	0	1	0	0	35	0
Gray	27	0	6	12	6	3	0	0	0	0	17	0	0	0	0	10	0
Greeley	4	0	0	3	1	0	0	0	0	0	4	0	0	0	0	0	0
Greenwood	30	0	7	13	7	3	0	0	0	0	27	0	2	0	0	1	0
Hamilton	20	0	6	6	6	2	0	0	0	0	8	0	0	0	0	12	0
Harper	27	0	6	13	5	0	3	0	0	0	23	0	0	0	1	3	0
Harvey	138	0	44	38	32	16	7	1	0	0	108	1	0	0	2	27	0
Haskell	16	0	6	7	1	1	1	0	0	0	8	0	0	0	0	8	0
Hodgeman	5	0	0	1	3	0	1	0	0	0	3	0	0	0	0	2	0
Jackson	56	0	13	25	11	2	4	1	0	0	36	1	12	0	2	5	0
Jefferson	48	0	12	16	11	5	3	1	0	0	46	0	0	0	1	1	0
Jewell	3	0	0	1	1	1	0	0	0	0	3	0	0	0	0	0	0
Johnson	1,571	5	206	583	425	223	94	35	0	0	944	213	2	20	37	355	0
Kearny	25	0	6	13	2	2	2	0	0	0	12	0	0	0	0	13	0
Kingman	28	0	6	10	6	6	0	0	0	0	28	0	0	0	0	0	0
Kiowa	3	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Labette	123	2	24	56	25	13	1	1	1	0	92	15	2	0	7	7	0
Lane	6	0	0	2	1	2	0	1	0	0	6	0	0	0	0	0	0
Leavenworth	297	0	67	123	68	26	12	1	0	0	220	46	2	1	13	15	0
Lincoln	11	0	2	5	3	1	0	0	0	0	9	0	1	0	0	1	0
Linn	32	0	8	15	4	3	1	1	0	0	32	0	0	0	0	0	0
Logan	11	0	1	7	2	0	1	0	0	0	10	0	0	0	0	1	0

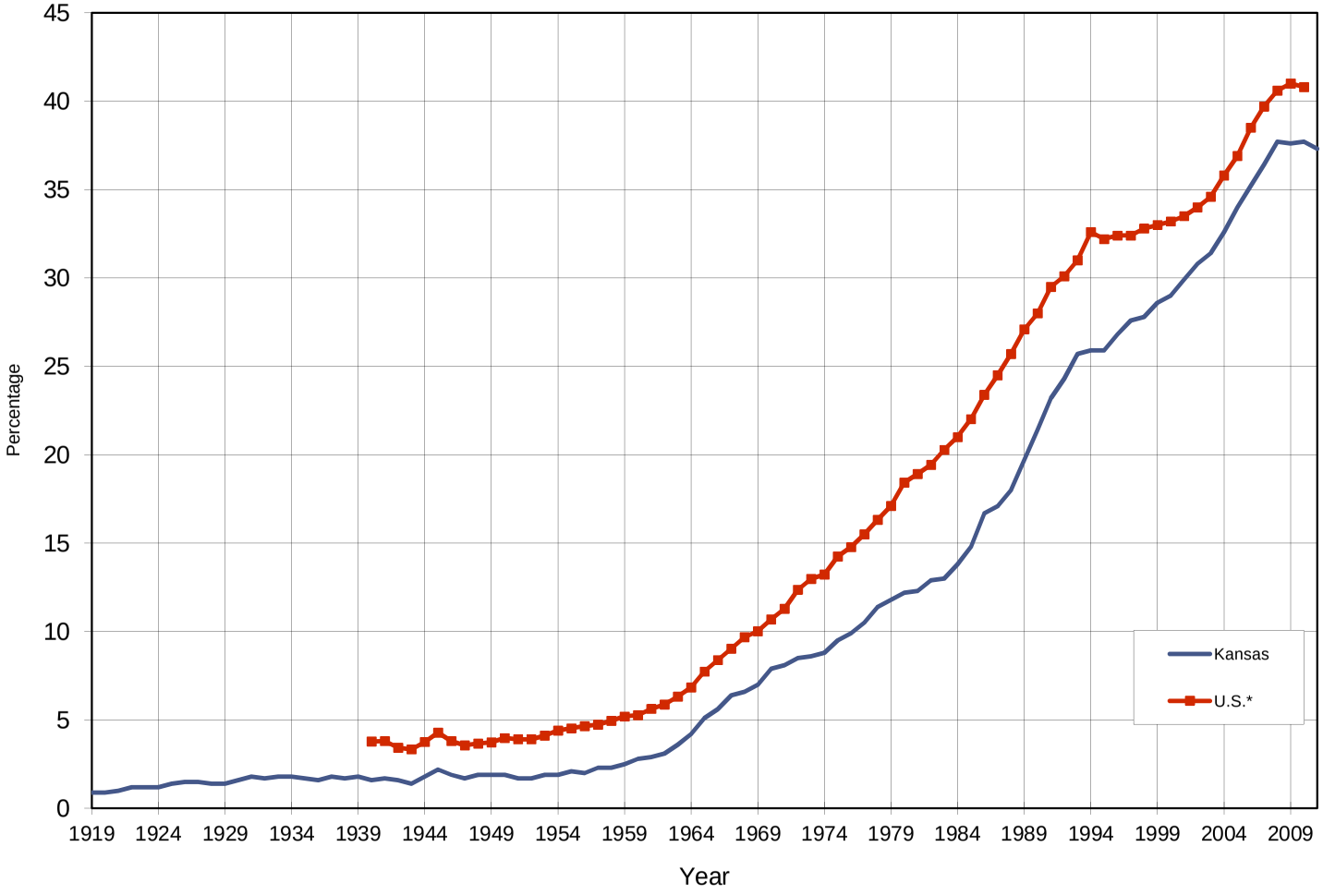
Table 30
Out-of-Wedlock Births by Age-Group and Population Group of Mother
by County of Residence
Kansas, 2011

County of Residence	Total	Age-Group of Mother									Population Group						
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.	White Non-Hisp.	Black Non-Hisp.	Nat. Am. Non-Hisp.	Asian/PI Non-Hisp.	Other Non Hisp.*	Hisp. Any Race	N.S.
Lyon	174	1	43	79	30	13	8	0	0	0	103	9	1	0	8	53	0
McPherson	99	1	24	39	26	6	2	1	0	0	87	2	2	0	1	7	0
Marion	24	0	7	10	1	3	3	0	0	0	20	0	0	0	1	3	0
Marshall	39	0	13	14	10	1	1	0	0	0	34	2	0	0	0	3	0
Meade	32	0	7	13	8	2	2	0	0	0	19	0	0	0	1	12	0
Miami	126	0	24	53	27	12	9	1	0	0	117	0	1	0	3	5	0
Mitchell	21	0	5	10	4	2	0	0	0	0	19	0	0	0	0	2	0
Montgomery	231	1	47	104	48	19	7	4	1	0	171	25	3	2	9	21	0
Morris	20	0	5	8	5	1	0	1	0	0	19	0	0	1	0	0	0
Morton	20	0	4	10	3	3	0	0	0	0	8	0	0	0	0	12	0
Nemaha	26	0	3	15	5	3	0	0	0	0	22	0	1	1	0	2	0
Neosho	85	0	23	37	13	6	3	3	0	0	77	0	0	0	2	6	0
Ness	8	0	1	4	1	1	1	0	0	0	7	0	0	0	0	1	0
Norton	20	0	5	11	0	4	0	0	0	0	17	0	0	0	0	3	0
Osage	63	0	9	30	12	9	1	2	0	0	58	1	0	1	1	2	0
Osborne	18	0	7	6	3	2	0	0	0	0	16	0	1	0	1	0	0
Ottawa	15	0	3	3	8	1	0	0	0	0	14	0	0	0	0	1	0
Pawnee	29	0	6	14	8	1	0	0	0	0	24	2	0	0	1	2	0
Phillips	15	1	4	5	1	4	0	0	0	0	13	0	0	0	0	2	0
Pottawatomie	56	0	17	23	12	1	3	0	0	0	47	1	2	1	3	2	0
Pratt	57	0	14	26	10	5	2	0	0	0	39	1	1	0	2	14	0
Rawlins	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Reno	320	2	61	141	80	21	13	2	0	0	253	12	0	3	9	43	0
Republic	15	0	5	7	1	1	0	0	1	0	12	2	0	1	0	0	0
Rice	52	0	13	24	8	4	1	2	0	0	44	0	1	0	0	7	0
Riley	208	2	35	85	57	25	3	1	0	0	132	33	1	3	6	33	0
Rooks	27	0	5	10	8	3	1	0	0	0	24	0	0	0	1	2	0
Rush	5	0	0	1	4	0	0	0	0	0	5	0	0	0	0	0	0
Russell	33	0	5	16	7	4	0	1	0	0	30	0	0	0	2	1	0
Saline	322	1	74	133	75	22	11	6	0	0	227	15	3	1	18	58	0
Scott	31	0	5	17	5	2	2	0	0	0	19	0	0	0	0	12	0
Sedgwick	3,488	15	720	1,382	808	398	130	33	2	0	1,751	747	29	69	82	810	0
Seward	248	1	74	75	45	36	15	2	0	0	40	4	1	1	1	201	0
Shawnee	1,146	7	234	473	278	109	37	7	1	0	625	205	14	1	64	233	4
Sheridan	9	0	2	4	2	1	0	0	0	0	6	0	0	0	0	3	0
Sherman	19	0	3	7	9	0	0	0	0	0	15	0	0	0	0	4	0
Smith	6	0	2	2	1	1	0	0	0	0	4	0	0	0	1	1	0
Stafford	11	0	2	7	1	1	0	0	0	0	8	0	0	0	0	3	0
Stanton	5	0	1	1	2	1	0	0	0	0	3	0	0	0	0	2	0
Stevens	32	0	4	17	3	3	2	3	0	0	15	0	0	0	1	15	1
Sumner	101	0	29	41	18	7	4	2	0	0	94	1	0	0	1	5	0
Thomas	35	0	12	13	3	5	2	0	0	0	27	0	0	1	0	7	0
Trego	10	0	2	5	0	3	0	0	0	0	10	0	0	0	0	0	0
Wabaunsee	20	0	2	12	5	1	0	0	0	0	17	0	0	0	0	3	0
Wallace	3	0	0	2	0	1	0	0	0	0	1	0	0	0	1	1	0
Washington	11	0	1	3	5	1	1	0	0	0	9	0	0	0	0	2	0
Wichita	8	0	0	2	6	0	0	0	0	0	3	0	0	0	0	5	0
Wilson	49	0	7	28	8	6	0	0	0	0	48	0	0	0	1	0	0
Woodson	14	0	5	8	1	0	0	0	0	0	12	0	0	0	0	2	0
Wyandotte	1,560	8	327	583	366	180	79	16	1	0	486	510	3	18	29	514	0
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Includes selection of two or more races and other non-specified race

Out-of-Wedlock Birth Percentage Comparison

Kansas and the U.S., 1919-2011



*1919-1939, 2011 not available, 2010 percent provisional

Percentage of all births to unmarried women

Figure 16

Teen and Non-Teen Live Births: Percent Distribution

By Month Prenatal Care Began, Kansas, 2011

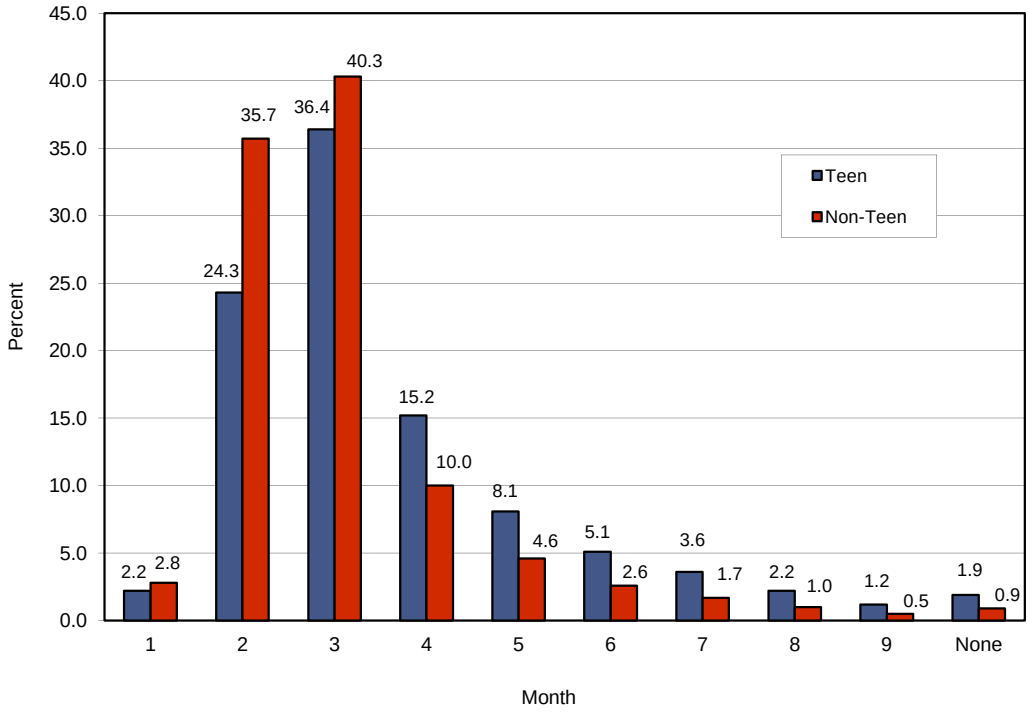


Figure 17

Teenage Live Births by Population Group

Kansas, 2011

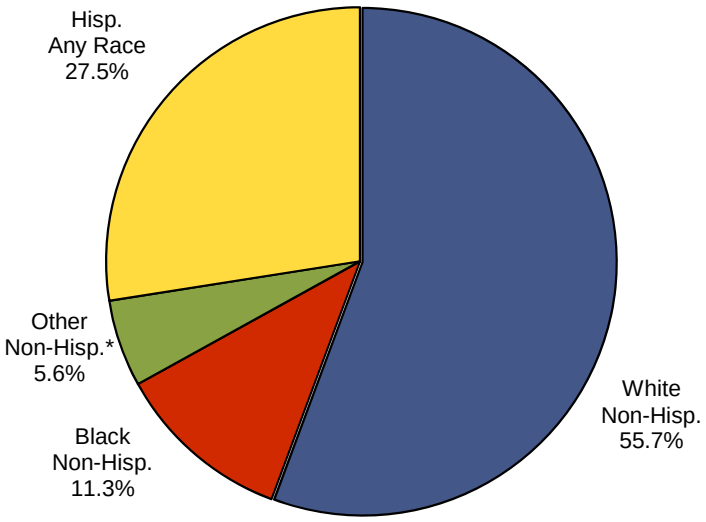
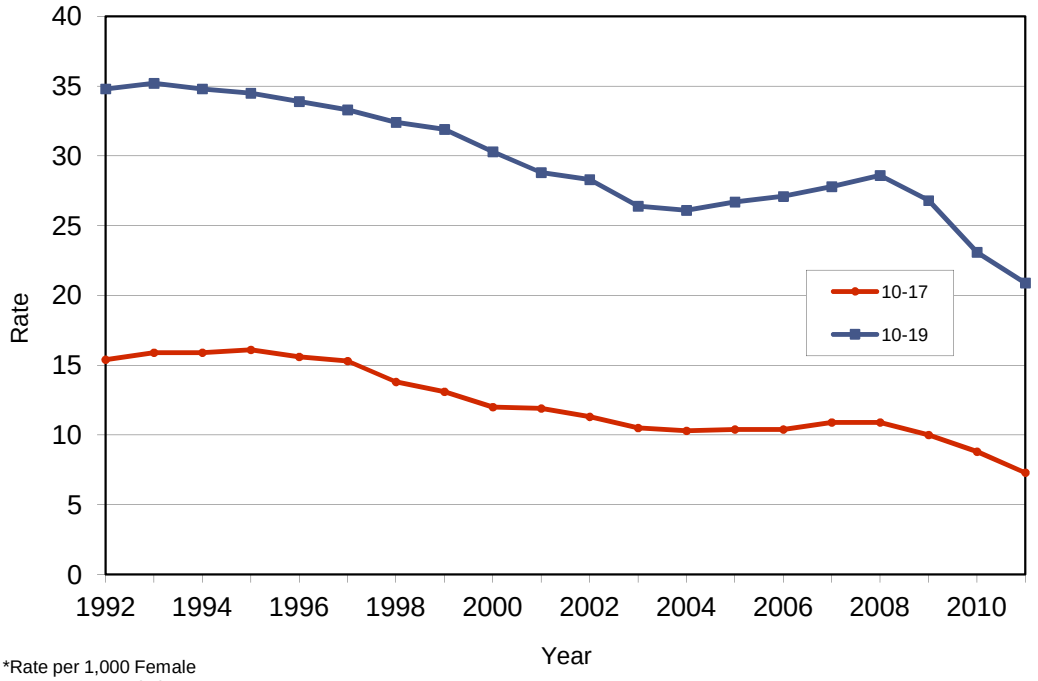


Figure 18

*Includes selection of two or more races or other race

Teenage Pregnancy Rates*

by Age-Group, Kansas 1992-2011



*Rate per 1,000 Female Age-Group Population Residence Data

Figure 19

Table 31
Teenage Pregnancies by Number and Rate*
For Mothers Under 20
Kansas, 1992-2011

Year	Teen (10-19) Pregnancies	Age-Group 10-14	15-17	18-19	15-19	Teen (10-19) Pregnancy Rate	Pregnancy Rate 10-14	15-17	10-17	15-19
1992	6,165	111	2,110	3,944	6,054	34.8	1.2	41.4	15.4	72.6
1993	6,405	133	2,219	4,053	6,272	35.2	1.4	42.4	15.9	73.3
1994	6,500	124	2,302	4,074	6,376	34.8	1.3	42.4	15.9	71.9
1995	6,552	153	2,332	4,067	6,399	34.5	1.6	41.3	16.1	69.5
1996	6,498	133	2,276	4,089	6,365	33.9	1.4	38.9	15.6	67.0
1997	6,469	123	2,260	4,086	6,346	33.3	1.3	37.4	15.3	64.7
1998	6,444	108	2,087	4,249	6,336	32.4	1.1	34.1	13.8	62.0
1999	6,402	103	1,979	4,320	6,299	31.9	1.1	32.4	13.1	60.7
2000	6,090	94	1,819	4,177	5,996	30.3	0.9	30.1	12.0	58.7
2001	5,818	79	1,819	3,920	5,739	28.8	0.8	30.2	11.9	56.0
2002	5,586	86	1,684	3,816	5,500	28.3	0.9	28.3	11.3	54.7
2003	5,174	73	1,559	3,542	5,101	26.4	0.8	26.6	10.5	51.3
2004	5,026	71	1,492	3,463	4,955	26.1	0.8	25.8	10.3	50.3
2005	5,044	69	1,483	3,492	4,975	26.7	0.8	25.7	10.4	50.8
2006	5,192	85	1,507	3,600	5,107	27.1	0.9	25.5	10.4	52.2
2007	5,268	70	1,573	3,625	5,198	27.8	0.8	26.8	10.9	53.2
2008	5,371	66	1,552	3,753	5,305	28.6	0.7	27.1	10.9	55.0
2009	5,036	56	1,417	3,563	4,980	26.8	0.6	25.2	10.0	51.6
2010	4,501	59	1,298	3,144	4,442	23.1	0.6	22.4	8.8	45.1
2011	4,095	70	1,063	2,962	4,025	20.9	0.7	18.4	7.3	40.8

*Rate per 1,000 female age-group population; see Technical Notes for population treatment in 2000, 2001, and 2010.
Teenage pregnancies is the sum of live births, reported abortions and stillbirths

Table 32
Teenage Pregnancies by Number and Rate*
by Selected Population Group†
for Mothers Under 20
Kansas, 2007-2011

	White Non-Hispanic								Black Non-Hispanic								Hispanic Any Race							
	10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19	
Year	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2007	20	0.3	840	7.3	3,113	40.4	3,133	21.4	16	2.1	205	16.6	642	83.0	658	43.1	29	2.5	504	28.5	1,186	121.1	1,215	57.2
2008	27	0.4	842	7.4	3,144	41.6	3,171	21.9	15	2.0	239	19.6	681	87.3	696	45.5	17	1.4	460	25.4	1,210	121.1	1,227	56.3
2009	19	0.3	776	6.9	2,927	39.1	2,946	20.6	15	2.0	175	14.3	627	80.9	642	41.9	21	1.7	437	23.3	1,160	108.5	1,181	51.5
2010	17	0.3	661	6.0	2,539	35.4	2,556	18.3	10	1.6	185	18.4	532	79.2	542	42.1	22	1.5	416	18.2	1,114	85.5	1,136	40.6
2011	27	0.4	563	5.0	2,283	31.2	2,310	16.2	18	2.3	131	10.4	451	56.3	469	29.5	19	1.2	363	15.3	1,044	77.3	1,063	36.5

*Rate per 1,000 female race/Hispanic age-group population; 2010 uses actual Census populations, not annual estimates for July 1.
†This table includes mutually exclusive race/ethnicity groups and is not comparable to tables in Annual Summaries prior to 2006.
See Technical Notes.

Table 33
Teenage Pregnancies by Age-Group* and Component
by County of Residence and by Peer Group†
Kansas, 2011

County of Residence	Live Births Age-Group 10-14	Live Births Age-Group 15-19	Stillbirths Age-Group 10-14	Stillbirths Age-Group 15-19	Abortions Age-Group 10-14	Abortions Age-Group 15-19	Total Pregnancies Age Group 10-14	Total Pregnancies Age Group 15-19	Total Pregnancies Age Group 10-19	Teenage§ Preg. Rates Age-Group 10-19
Kansas	52	3,493	0	16	18	516	70	4,025	4,095	20.9
Allen	0	15	0	0	0	1	0	16	16	18.1
Anderson	0	11	0	0	0	1	0	12	12	23.2
Atchison	0	25	0	0	0	4	0	29	29	21.5
Barber	0	4	0	0	0	0	0	4	4	14.1
Barton	0	49	0	1	0	4	0	54	54	28.8
Bourbon	0	28	0	0	0	4	0	32	32	32.4
Brown	0	22	0	0	0	1	0	23	23	36.5
Butler	0	42	0	0	0	11	0	53	53	10.6
Chase	0	1	0	0	0	0	0	1	1	6.0
Chautauqua	0	5	0	0	0	0	0	5	5	24.5
Cherokee	0	41	0	0	0	1	0	42	42	29.3
Cheyenne	0	1	0	0	0	1	0	2	2	15.4
Clark	0	3	0	0	0	0	0	3	3	21.3
Clay	0	11	0	0	0	2	0	13	13	24.0
Cloud	0	10	0	0	0	0	0	10	10	15.6
Coffey	0	4	0	0	0	2	0	6	6	10.3
Comanche	0	3	0	0	0	0	0	3	3	21.3
Cowley	0	72	0	0	0	0	0	72	72	28.3
Crawford	2	47	0	1	0	6	2	54	56	20.4
Decatur	0	7	0	0	0	0	0	7	7	52.6
Dickinson	0	27	0	0	1	3	1	30	31	24.3
Doniphan	0	5	0	0	0	0	0	5	5	8.6
Douglas	0	59	0	0	1	27	1	86	87	10.5
Edwards	0	4	0	0	0	0	0	4	4	19.6
Elk	0	2	0	0	0	0	0	2	2	12.7
Ellis	0	26	0	0	0	1	0	27	27	14.4
Ellsworth	0	2	0	0	1	0	1	2	3	9.8
Finney	2	108	0	0	1	5	3	113	116	37.8
Ford	0	89	0	0	0	2	0	91	91	35.0
Franklin	0	28	0	0	1	3	1	31	32	18.2
Geary	0	81	0	3	0	16	0	100	100	44.7
Gove	0	0	0	0	0	0	0	0	0	0.0
Graham	0	4	0	0	0	0	0	4	4	28.6
Grant	0	16	0	0	0	0	0	16	16	25.8
Gray	0	6	0	0	0	0	0	6	6	11.7
Greeley	0	0	0	0	0	0	0	0	0	0.0
Greenwood	0	9	0	0	0	2	0	11	11	27.4
Hamilton	0	6	0	0	0	0	0	6	6	32.3
Harper	0	6	0	0	0	0	0	6	6	16.9
Harvey	0	50	0	0	0	3	0	53	53	21.6
Haskell	0	6	0	0	0	0	0	6	6	16.0
Hodgeman	0	1	0	0	0	0	0	1	1	7.5
Jackson	0	13	0	0	0	2	0	15	15	16.4
Jefferson	0	12	0	0	0	2	0	14	14	10.7
Jewell	0	1	0	0	0	0	0	1	1	6.6
Johnson	5	239	0	0	1	127	6	366	372	10.0
Kearny	0	6	0	0	0	0	0	6	6	19.7
Kingman	0	8	0	0	0	1	0	9	9	16.1
Kiowa	0	3	0	0	0	0	0	3	3	14.9
Labette	2	31	0	0	0	1	2	32	34	26.1
Lane	0	0	0	0	0	0	0	0	0	0.0
Leavenworth	1	75	0	0	4	13	5	88	93	18.8
Lincoln	0	5	0	0	0	0	0	5	5	24.4
Linn	0	8	0	0	0	2	0	10	10	16.1
Logan	0	2	0	0	0	0	0	2	2	11.8

Table 33
Teenage Pregnancies by Age-Group* and Component
by County of Residence and by Peer Group[†]
Kansas, 2011

County of Residence	Live Births Age-Group 10-14	Live Births Age-Group 15-19	Stillbirths Age-Group 10-14	Stillbirths Age-Group 15-19	Abortions Age-Group 10-14	Abortions Age-Group 15-19	Total Pregnancies Age Group 10-14	Total Pregnancies Age Group 15-19	Total Pregnancies Age Group 10-19	Teenage[§] Preg. Rates Age-Group 10-19
Lyon	1	51	0	0	0	6	1	57	58	23.2
McPherson	1	29	0	0	0	2	1	31	32	16.6
Marion	0	7	0	0	0	2	0	9	9	11.3
Marshall	0	13	0	0	0	0	0	13	13	21.5
Meade	0	10	0	0	0	0	0	10	10	26.5
Miami	0	29	0	0	0	5	0	34	34	14.4
Mitchell	0	6	0	0	0	1	0	7	7	19.1
Montgomery	1	52	0	0	0	1	1	53	54	24.6
Morris	0	6	0	0	0	1	0	7	7	20.3
Morton	0	4	0	0	0	1	0	5	5	20.4
Nemaha	0	5	0	0	0	0	0	5	5	7.2
Neosho	0	29	0	1	0	4	0	34	34	29.6
Ness	0	1	0	0	0	0	0	1	1	5.6
Norton	0	7	0	0	0	0	0	7	7	23.9
Osage	0	12	0	0	0	5	0	17	17	15.3
Osborne	0	7	0	0	0	0	0	7	7	30.3
Ottawa	0	3	0	0	0	0	0	3	3	7.6
Pawnee	0	6	0	0	0	1	0	7	7	17.7
Phillips	1	4	0	0	0	0	1	4	5	12.6
Pottawatomie	0	18	0	0	0	1	0	19	19	11.5
Pratt	0	16	0	0	0	2	0	18	18	27.8
Rawlins	0	1	0	0	0	0	0	1	1	7.8
Reno	2	74	0	1	0	3	2	78	80	19.6
Republic	0	5	0	0	0	1	0	6	6	22.6
Rice	0	15	0	0	0	1	0	16	16	22.5
Riley	2	66	0	0	0	26	2	92	94	18.1
Rooks	0	5	0	0	0	0	0	5	5	15.5
Rush	0	0	0	0	0	0	0	0	0	0.0
Russell	0	7	0	0	0	0	0	7	7	17.2
Saline	1	85	0	2	2	9	3	96	99	27.5
Scott	0	7	0	0	0	0	0	7	7	21.7
Sedgwick	15	786	0	3	2	86	17	875	892	25.7
Seward	1	86	0	0	0	2	1	88	89	49.9
Shawnee	7	261	0	2	0	36	7	299	306	26.8
Sheridan	0	2	0	0	0	0	0	2	2	13.1
Sherman	0	6	0	0	0	1	0	7	7	19.2
Smith	0	2	0	0	0	0	0	2	2	9.3
Stafford	0	3	0	0	0	1	0	4	4	14.2
Stanton	0	1	0	0	0	1	0	2	2	13.2
Stevens	0	4	0	0	0	1	0	5	5	11.5
Sumner	0	34	0	0	0	3	0	37	37	22.2
Thomas	0	13	0	0	0	1	0	14	14	20.4
Trego	0	2	0	0	0	0	0	2	2	10.5
Wabaunsee	0	2	0	0	0	0	0	2	2	4.3
Wallace	0	1	0	0	0	0	0	1	1	8.7
Washington	0	1	0	0	0	1	0	2	2	5.7
Wichita	0	1	0	0	1	0	1	1	2	13.6
Wilson	0	12	0	0	0	1	0	13	13	22.5
Woodson	0	5	0	0	0	0	0	5	5	28.1
Wyandotte	8	352	0	2	3	55	11	409	420	38.6
N.S.	0	0	0	0	0	7	0	7	7	n/a
Peer Group										
Frontier	0	113	0	0	1	7	1	120	121	17.1
Rural	2	270	0	0	1	24	3	294	297	17.6
Densely -Settled Rural	6	784	0	2	2	51	8	837	845	26.0
Semi-Urban	8	554	0	7	3	83	11	644	655	20.7
Urban	36	1,772	0	7	11	344	47	2,123	2,170	20.2

[†] See Technical Notes for Peer Group definition.
[§] Rate per 1,000 female age-group population

Table 34
Teenage Pregnancies for 10-17 Year Olds*
by County of Residence and by Peer Group†
Kansas, 2011

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate‡
Kansas	948	4	181	1,133	7.3
Allen	4	0	0	4	6.1
Anderson	1	0	1	2	4.5
Atchison	7	0	2	9	9.9
Barber	1	0	0	1	4.4
Barton	13	0	4	17	11.4
Bourbon	4	0	1	5	6.3
Brown	5	0	0	5	9.6
Butler	7	0	7	14	3.4
Chase	1	0	0	1	7.0
Chautauqua	1	0	0	1	6.0
Cherokee	10	0	0	10	8.3
Cheyenne	0	0	1	1	9.6
Clark	1	0	0	1	8.3
Clay	3	0	0	3	6.8
Cloud	1	0	0	1	2.2
Coffey	1	0	0	1	2.0
Comanche	0	0	0	0	0.0
Cowley	22	0	0	22	11.6
Crawford	8	1	2	11	6.0
Decatur	2	0	0	2	17.4
Dickinson	5	0	1	6	5.7
Doniphan	1	0	0	1	2.5
Douglas	16	0	4	20	4.7
Edwards	3	0	0	3	17.5
Elk	0	0	0	0	0.0
Ellis	7	0	1	8	7.0
Ellsworth	0	0	1	1	3.8
Finney	30	0	2	32	12.7
Ford	24	0	0	24	11.5
Franklin	5	0	1	6	4.3
Geary	11	0	6	17	9.3
Gove	0	0	0	0	0.0
Graham	0	0	0	0	0.0
Grant	4	0	0	4	7.6
Gray	3	0	0	3	7.0
Greeley	0	0	0	0	0.0
Greenwood	1	0	1	2	5.8
Hamilton	1	0	0	1	7.0
Harper	1	0	0	1	3.3
Harvey	12	0	1	13	6.7
Haskell	1	0	0	1	3.3
Hodgeman	0	0	0	0	0.0
Jackson	5	0	2	7	9.0
Jefferson	2	0	1	3	2.7
Jewell	0	0	0	0	0.0
Johnson	53	0	36	89	2.8
Kearny	1	0	0	1	3.9
Kingman	2	0	0	2	4.2
Kiowa	2	0	0	2	14.7
Labette	9	0	0	9	8.6
Lane	0	0	0	0	0.0
Leavenworth	17	0	7	24	5.8
Lincoln	2	0	0	2	11.6
Linn	2	0	1	3	5.7
Logan	0	0	0	0	0.0

Table 34
Teenage Pregnancies for 10-17 Year Olds*
by County of Residence and by Peer Group†
Kansas, 2011

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate‡
Lyon	16	0	0	16	9.9
McPherson	11	0	0	11	7.1
Marion	1	0	0	1	1.6
Marshall	1	0	0	1	2.0
Meade	2	0	0	2	6.3
Miami	9	0	3	12	5.9
Mitchell	1	0	1	2	6.4
Montgomery	14	0	0	14	8.3
Morris	3	0	1	4	13.9
Morton	2	0	1	3	14.3
Nemaha	0	0	0	0	0.0
Neosho	8	0	2	10	11.0
Ness	0	0	0	0	0.0
Norton	2	0	0	2	8.5
Osage	1	0	1	2	2.1
Osborne	3	0	0	3	16.1
Ottawa	2	0	0	2	5.6
Pawnee	1	0	0	1	3.0
Phillips	1	0	0	1	2.9
Pottawatomie	3	0	1	4	2.9
Pratt	4	0	0	4	8.3
Rawlins	0	0	0	0	0.0
Reno	18	1	2	21	6.5
Republic	1	0	0	1	4.6
Rice	2	0	0	2	3.9
Riley	12	0	5	17	7.6
Rooks	1	0	0	1	3.8
Rush	0	0	0	0	0.0
Russell	1	0	0	1	3.0
Saline	31	1	2	34	11.7
Scott	3	0	0	3	10.8
Sedgwick	233	1	25	259	9.1
Seward	29	0	1	30	21.4
Shawnee	71	0	15	86	9.2
Sheridan	0	0	0	0	0.0
Sherman	1	0	1	2	7.1
Smith	1	0	0	1	5.6
Stafford	0	0	1	1	4.3
Stanton	1	0	1	2	15.2
Stevens	1	0	0	1	2.9
Sumner	9	0	0	9	6.4
Thomas	5	0	0	5	12.3
Trego	1	0	0	1	6.4
Wabaunsee	0	0	0	0	0.0
Wallace	0	0	0	0	0.0
Washington	1	0	0	1	3.4
Wichita	0	0	1	1	8.0
Wilson	3	0	1	4	8.4
Woodson	1	0	0	1	6.4
Wyandotte	125	0	29	154	17.3
N.S.	0	0	4	4	n/a
Peer Group					
Frontier	28	0	7	35	6.0
Rural	68	0	6	74	5.4
Densely -Settled Rural	210	0	19	229	9.1
Semi-Urban	127	3	29	159	6.9
Urban	515	1	116	632	7.3

† See Technical Notes for Peer Group definition. ‡ Rates per 1,000 female age-group population

Table 35
Stillbirths by Age-Group of Mother
by County of Residence
Kansas, 2011

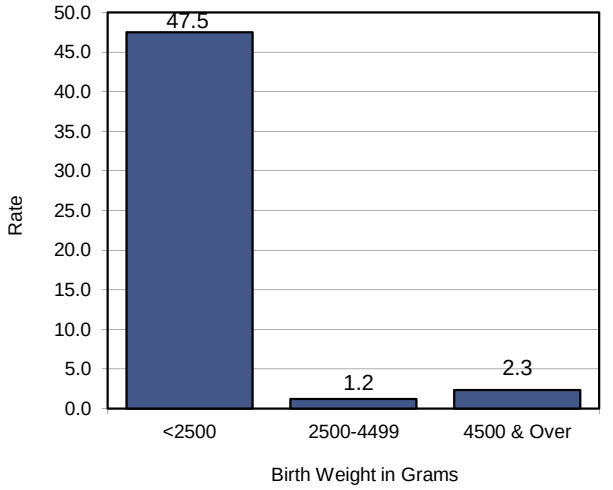
County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas	188	0	16	55	44	41	27	4	1	0
Allen	0	0	0	0	0	0	0	0	0	0
Anderson	0	0	0	0	0	0	0	0	0	0
Atchison	0	0	0	0	0	0	0	0	0	0
Barber	0	0	0	0	0	0	0	0	0	0
Barton	2	0	1	0	1	0	0	0	0	0
Bourbon	1	0	0	0	0	0	1	0	0	0
Brown	1	0	0	1	0	0	0	0	0	0
Butler	3	0	0	3	0	0	0	0	0	0
Chase	0	0	0	0	0	0	0	0	0	0
Chautauqua	0	0	0	0	0	0	0	0	0	0
Cherokee	0	0	0	0	0	0	0	0	0	0
Cheyenne	0	0	0	0	0	0	0	0	0	0
Clark	0	0	0	0	0	0	0	0	0	0
Clay	0	0	0	0	0	0	0	0	0	0
Cloud	1	0	0	1	0	0	0	0	0	0
Coffey	0	0	0	0	0	0	0	0	0	0
Comanche	0	0	0	0	0	0	0	0	0	0
Cowley	5	0	0	1	2	1	1	0	0	0
Crawford	3	0	1	0	2	0	0	0	0	0
Decatur	0	0	0	0	0	0	0	0	0	0
Dickinson	0	0	0	0	0	0	0	0	0	0
Doniphan	0	0	0	0	0	0	0	0	0	0
Douglas	5	0	0	1	1	1	2	0	0	0
Edwards	0	0	0	0	0	0	0	0	0	0
Elk	1	0	0	0	0	1	0	0	0	0
Ellis	0	0	0	0	0	0	0	0	0	0
Ellsworth	0	0	0	0	0	0	0	0	0	0
Finney	5	0	0	3	1	1	0	0	0	0
Ford	5	0	0	2	1	1	1	0	0	0
Franklin	2	0	0	0	1	1	0	0	0	0
Geary	5	0	3	1	1	0	0	0	0	0
Gove	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0
Grant	1	0	0	0	1	0	0	0	0	0
Gray	0	0	0	0	0	0	0	0	0	0
Greeley	0	0	0	0	0	0	0	0	0	0
Greenwood	1	0	0	1	0	0	0	0	0	0
Hamilton	0	0	0	0	0	0	0	0	0	0
Harper	0	0	0	0	0	0	0	0	0	0
Harvey	2	0	0	0	0	1	1	0	0	0
Haskell	0	0	0	0	0	0	0	0	0	0
Hodgeman	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0	0	0
Jewell	0	0	0	0	0	0	0	0	0	0
Johnson	25	0	0	8	7	7	3	0	0	0
Kearny	1	0	0	0	0	0	1	0	0	0
Kingman	1	0	0	0	0	0	0	1	0	0
Kiowa	0	0	0	0	0	0	0	0	0	0
Labette	0	0	0	0	0	0	0	0	0	0
Lane	0	0	0	0	0	0	0	0	0	0
Leavenworth	3	0	0	1	1	0	1	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0
Linn	0	0	0	0	0	0	0	0	0	0
Logan	1	0	0	0	1	0	0	0	0	0

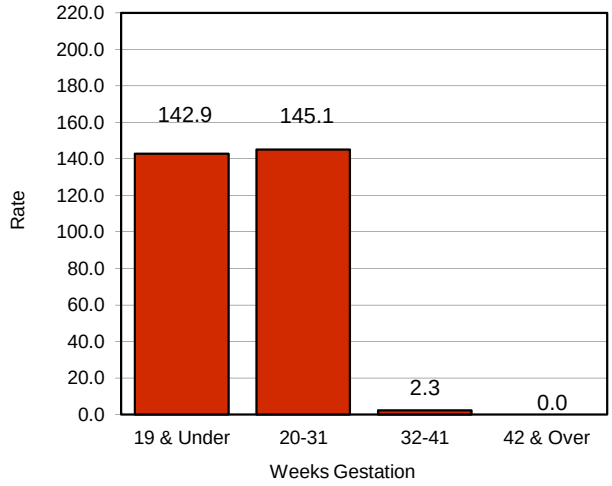
Table 35
Stillbirths by Age-Group of Mother
by County of Residence
Kansas, 2011

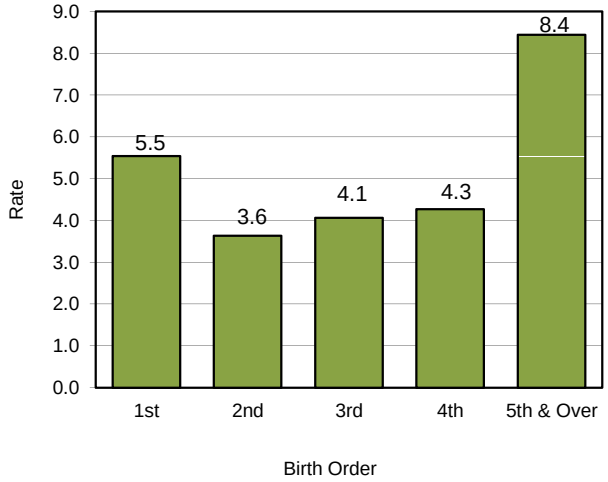
County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon	0	0	0	0	0	0	0	0	0	0
McPherson	0	0	0	0	0	0	0	0	0	0
Marion	2	0	0	1	0	1	0	0	0	0
Marshall	1	0	0	0	0	1	0	0	0	0
Meade	1	0	0	0	0	1	0	0	0	0
Miami	3	0	0	0	0	1	2	0	0	0
Mitchell	0	0	0	0	0	0	0	0	0	0
Montgomery	3	0	0	3	0	0	0	0	0	0
Morris	0	0	0	0	0	0	0	0	0	0
Morton	0	0	0	0	0	0	0	0	0	0
Nemaha	1	0	0	0	0	1	0	0	0	0
Neosho	1	0	1	0	0	0	0	0	0	0
Ness	0	0	0	0	0	0	0	0	0	0
Norton	1	0	0	0	1	0	0	0	0	0
Osage	0	0	0	0	0	0	0	0	0	0
Osborne	0	0	0	0	0	0	0	0	0	0
Ottawa	0	0	0	0	0	0	0	0	0	0
Pawnee	0	0	0	0	0	0	0	0	0	0
Phillips	0	0	0	0	0	0	0	0	0	0
Pottawatomie	1	0	0	0	0	1	0	0	0	0
Pratt	1	0	0	0	1	0	0	0	0	0
Rawlins	0	0	0	0	0	0	0	0	0	0
Reno	6	0	1	2	2	0	1	0	0	0
Republic	0	0	0	0	0	0	0	0	0	0
Rice	1	0	0	0	0	1	0	0	0	0
Riley	4	0	0	0	2	2	0	0	0	0
Rooks	1	0	0	0	0	0	1	0	0	0
Rush	0	0	0	0	0	0	0	0	0	0
Russell	0	0	0	0	0	0	0	0	0	0
Saline	5	0	2	1	0	1	1	0	0	0
Scott	0	0	0	0	0	0	0	0	0	0
Sedgwick	39	0	3	12	9	8	6	0	1	0
Seward	5	0	0	3	1	0	0	1	0	0
Shawnee	14	0	2	4	2	2	3	1	0	0
Sheridan	0	0	0	0	0	0	0	0	0	0
Sherman	0	0	0	0	0	0	0	0	0	0
Smith	0	0	0	0	0	0	0	0	0	0
Stafford	0	0	0	0	0	0	0	0	0	0
Stanton	0	0	0	0	0	0	0	0	0	0
Stevens	1	0	0	0	1	0	0	0	0	0
Sumner	1	0	0	1	0	0	0	0	0	0
Thomas	0	0	0	0	0	0	0	0	0	0
Trego	0	0	0	0	0	0	0	0	0	0
Wabaunsee	0	0	0	0	0	0	0	0	0	0
Wallace	0	0	0	0	0	0	0	0	0	0
Washington	1	0	0	0	0	1	0	0	0	0
Wichita	0	0	0	0	0	0	0	0	0	0
Wilson	2	0	0	1	0	1	0	0	0	0
Woodson	0	0	0	0	0	0	0	0	0	0
Wyandotte	19	0	2	4	5	5	2	1	0	0
N.S.	0	0	0	0	0	0	0	0	0	0

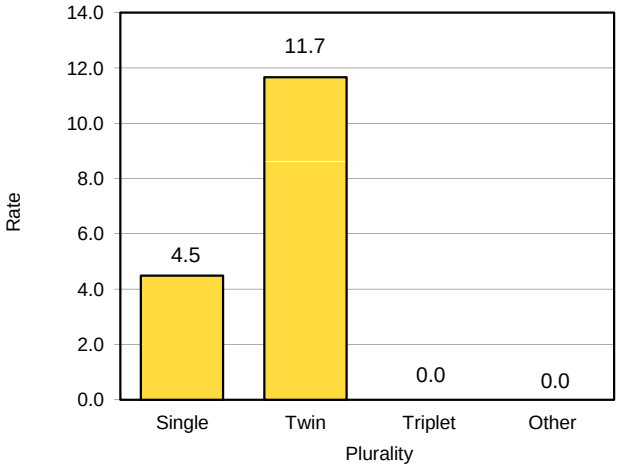
Stillbirth Rates

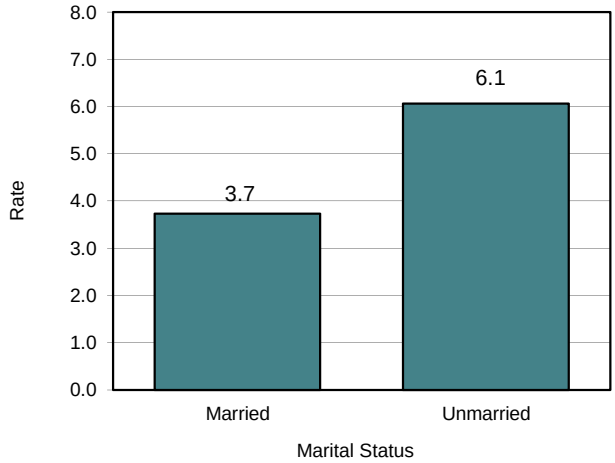
By Selected Characteristics, Kansas, 2011

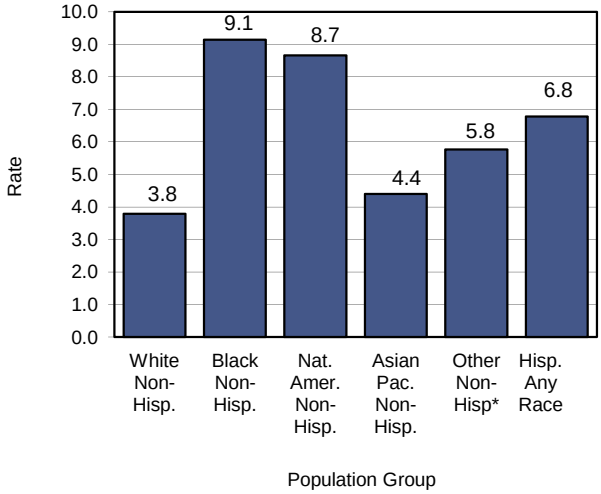












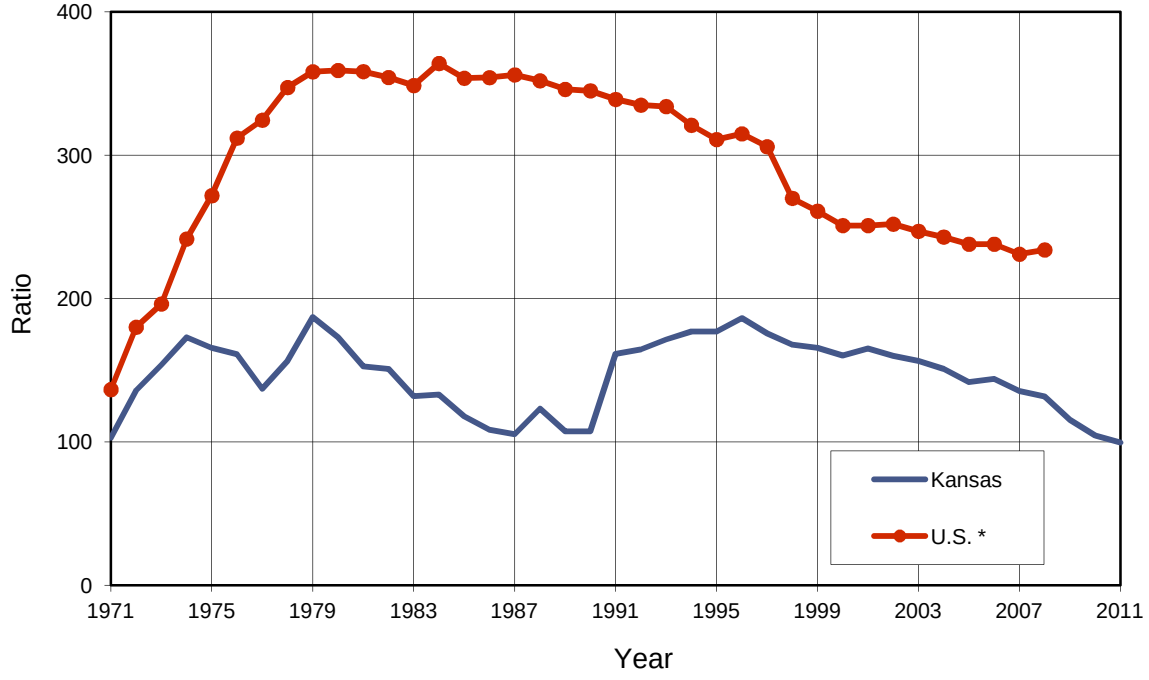
Rates per 1,000 Live Births + Stillbirths

*Includes selection of two or more races and other non-specified race

Figure 20

Abortion Ratios

Kansas and the U.S., 1971-2011



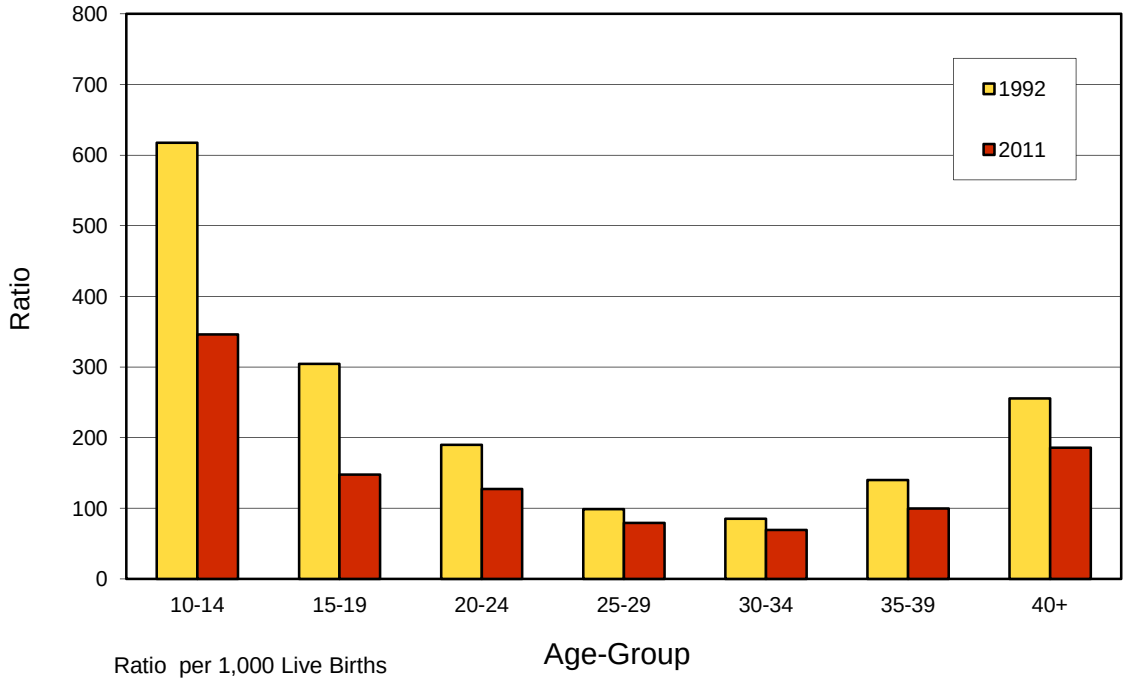
*Data not available for 2009-2011

Ratio per 1,000 Live Births

Figure 21

Abortion Ratios by Age-Group of Patient

Kansas, 1992 and 2011



Ratio per 1,000 Live Births
Residence Data

Figure 22

Table 36
Total Reported Abortions and Abortion Ratios*
Kansas and the U.S. 1971-2011

Year	Total	Out of State Residents	Kansas Residents	Kansas Ratio	N.S.	U.S. Number	U.S. Ratio
1971.....	9,472	5,763	3,709	103.0	0	485,816	136.6
1972.....	12,248	7,736	4,512	136.0	0	586,760	180.1
1973.....	12,612	7,695	4,917	153.8	0	615,831	196.3
1974.....	10,171	4,503	5,657	172.9	11	763,476	241.6
1975.....	9,160	3,565	5,581	165.6	14	854,853	271.9
1976.....	9,154	3,455	5,686	161.2	13	988,267	312.0
1977.....	7,965	2,918	5,045	137.0	2	1,079,430	324.5
1978.....	9,740	3,957	5,722	156.4	61	1,157,776	347.3
1979.....	12,335	5,042	7,281	187.1	12	1,251,921	358.3
1980.....	11,791	4,750	7,038	173.0	3	1,297,606	359.2
1981.....	10,448	4,150	6,291	152.7	7	1,300,760	358.4
1982.....	9,976	3,823	6,153	151.0	0	1,303,980	354.3
1983.....	8,547	3,218	5,329	132.0	0	1,268,987	348.7
1984.....	8,008	2,689	5,319	133.1	0	1,333,521	364.1
1985.....	7,092	2,447	4,645	117.8	0	1,328,570	353.8
1986.....	6,561	2,316	4,245	108.4	0	1,328,112	354.2
1987.....	6,409	2,357	4,052	105.4	0	1,353,671	356.1
1988.....	7,930	3,161	4,769	123.2	0	1,371,285	352.0
1989.....	8,984 †	3,270	4,149	107.4	1,565 ‡	1,396,658	346.0
1990.....	9,459 †	3,341	4,175	107.4	1,943 ‡	1,429,577	345.0
1991.....	10,141 †	4,071	6,070	161.3	0	1,388,937	339.0
1992.....	11,135 †	4,904	6,231	164.6	0	1,359,145	335.0
1993.....	11,247	4,853	6,394	171.5	0	1,330,414	334.0
1994.....	10,847	4,245	6,596	177.0	6	1,267,415	321.0
1995.....	11,149 §	4,562	6,566	177.0	21	1,210,883	311.0
1996.....	11,181	4,367	6,806	186.3	8	1,225,937	315.0
1997.....	11,507	4,973	6,532	175.6	2	1,186,039	306.0
1998.....	11,624	5,184	6,440	167.8	0	884,273	270.0
1999.....	12,445 ¶	6,029	6,416	165.6	0	861,789	261.0
2000.....	12,327 ¶	5,971	6,356	160.3	0	857,475	251.0
2001…….	12,422 ¶	6,003	6,419	165.3	0	853,485	251.0
2002…….	11,844 ¶	5,546	6,298	160.1	0	854,122	252.0
2003…….	11,697 ¶	5,534	6,163	156.6	0	848,163	247.0
2004…….	11,446 ¶	5,475	5,971	151.0	0	839,226	243.0
2005…….	10,543 ¶	4,914	5,629	141.8	0	820,151	238.0
2006…….	11,271 ¶	5,385	5,886	143.9	0	852,385	238.0
2007…….	10,841 ¶	5,162	5,679	135.4	0	827,609	231.0
2008…….	10,643 ¶	5,131	5,512	131.8	0	825,564	234.0
2009…….	9,474 ¶	4,693	4,780	115.5	1	n.a.	n.a.
2010…….	8,373 ¶	4,150	4,223	104.4	0	n.a.	n.a.
2011…….	7,885 ¶	3,939	3,946	99.6	0	n.a.	n.a.

* Includes in state occurrences to Kansas residents and out of state residents, plus Kansas resident occurrences out of state. Ratio per 1,000 live births.
Source for U.S. data: Centers for Disease Control and Prevention
Kansas data: Kansas Department of Health & Environment

† The increase in the 1989-1992 figures may not reflect an increase in the number of abortions being performed but rather an increase in the number of providers voluntarily reporting data.

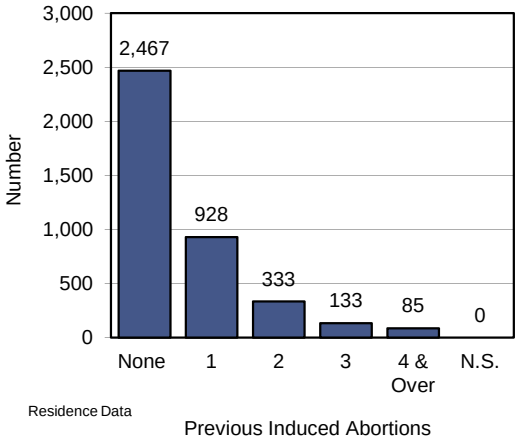
‡ Residency data was not available for all abortions in 1989-1990 . However, due to improved reporting, residency was obtained for most of the abortions reported in subsequent years. This improved reporting is also responsible for the increase in the resident abortion ratio between 1990 and 1991.

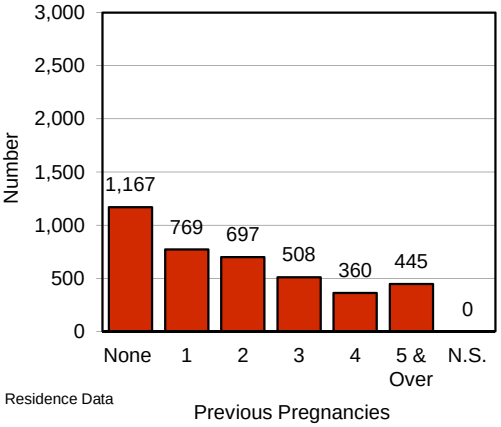
§ As of July 1, 1995, reporting became mandatory for every medical care facility and every person licensed to practice medicine and surgery.

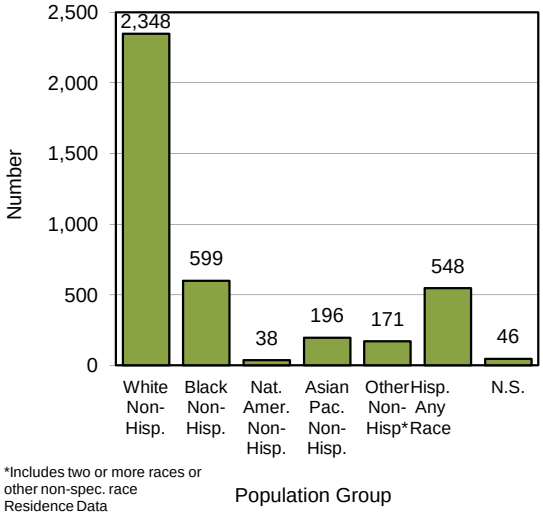
¶ This number is larger than the one reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline.

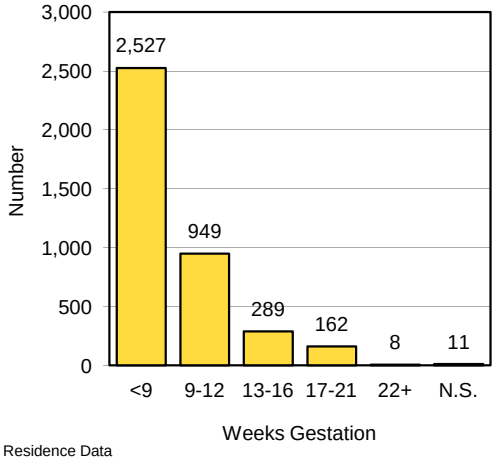
Reported Abortions

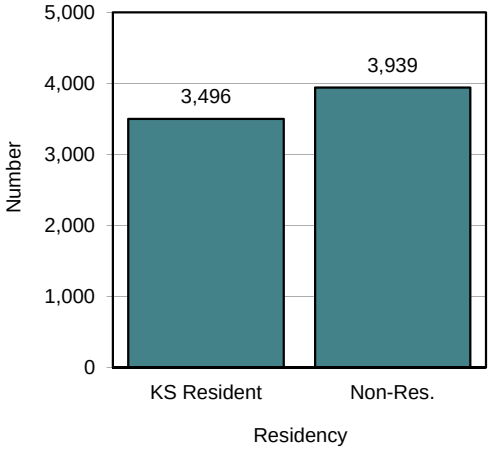
By Selected Characteristics, Kansas, 2011











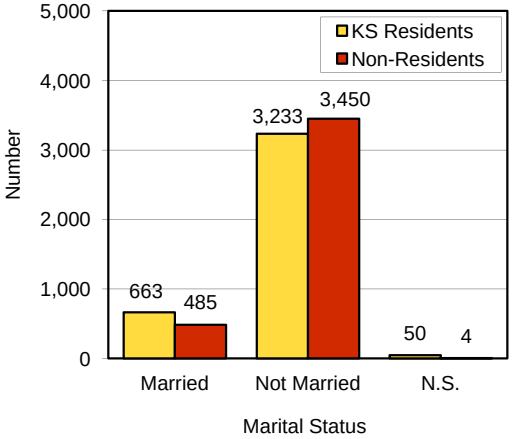


Figure 23

Table 37
Abortions by Age-Group of Patient
by County of Residence
Kansas, 2011

County of Residence	Total	Age-Group								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas	3,946	18	516	1,308	992	626	347	130	8	1
Allen	5	0	1	1	2	1	0	0	0	0
Anderson	4	0	1	2	1	0	0	0	0	0
Atchison	17	0	4	8	5	0	0	0	0	0
Barber	1	0	0	0	1	0	0	0	0	0
Barton	24	0	4	8	4	3	3	1	1	0
Bourbon	15	0	4	3	2	3	3	0	0	0
Brown	6	0	1	2	1	2	0	0	0	0
Butler	47	0	11	19	4	5	5	3	0	0
Chase	0	0	0	0	0	0	0	0	0	0
Chautauqua	0	0	0	0	0	0	0	0	0	0
Cherokee	6	0	1	1	3	1	0	0	0	0
Cheyenne	1	0	1	0	0	0	0	0	0	0
Clark	0	0	0	0	0	0	0	0	0	0
Clay	8	0	2	2	2	0	1	1	0	0
Cloud	5	0	0	2	2	0	1	0	0	0
Coffey	9	0	2	4	0	0	2	1	0	0
Comanche	2	0	0	0	0	2	0	0	0	0
Cowley	11	0	0	6	5	0	0	0	0	0
Crawford	47	0	6	19	13	5	3	1	0	0
Decatur	1	0	0	1	0	0	0	0	0	0
Dickinson	14	1	3	7	1	0	1	1	0	0
Doniphan	5	0	0	2	2	1	0	0	0	0
Douglas	262	1	27	128	50	38	9	8	1	0
Edwards	2	0	0	0	2	0	0	0	0	0
Elk	0	0	0	0	0	0	0	0	0	0
Ellis	22	0	1	12	4	2	1	2	0	0
Ellsworth	6	1	0	1	2	2	0	0	0	0
Finney	24	1	5	9	6	3	0	0	0	0
Ford	19	0	2	7	4	1	3	1	1	0
Franklin	30	1	3	7	12	6	1	0	0	0
Geary	99	0	16	39	24	11	6	3	0	0
Gove	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0
Grant	1	0	0	0	1	0	0	0	0	0
Gray	0	0	0	0	0	0	0	0	0	0
Greeley	0	0	0	0	0	0	0	0	0	0
Greenwood	5	0	2	0	3	0	0	0	0	0
Hamilton	1	0	0	0	0	1	0	0	0	0
Harper	3	0	0	3	0	0	0	0	0	0
Harvey	18	0	3	8	3	2	2	0	0	0
Haskell	3	0	0	1	2	0	0	0	0	0
Hodgeman	0	0	0	0	0	0	0	0	0	0
Jackson	24	0	2	4	10	5	2	1	0	0
Jefferson	20	0	2	8	2	6	0	2	0	0
Jewell	2	0	0	2	0	0	0	0	0	0
Johnson	1,051	1	127	277	281	209	112	43	1	0
Kearny	1	0	0	0	0	0	1	0	0	0
Kingman	7	0	1	3	3	0	0	0	0	0
Kiowa	0	0	0	0	0	0	0	0	0	0
Labette	11	0	1	5	3	0	2	0	0	0
Lane	1	0	0	0	1	0	0	0	0	0
Leavenworth	123	4	13	42	26	14	17	5	2	0
Lincoln	2	0	0	0	0	2	0	0	0	0
Linn	12	0	2	1	2	5	2	0	0	0
Logan	0	0	0	0	0	0	0	0	0	0

Table 37
Abortions by Age-Group of Patient
by County of Residence
Kansas, 2011

County of Residence	Total	Age-Group								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon	50	0	6	20	11	7	4	1	1	0
Mcpherson	19	0	2	7	5	0	4	1	0	0
Marion	6	0	2	3	1	0	0	0	0	0
Marshall	3	0	0	1	2	0	0	0	0	0
Meade	0	0	0	0	0	0	0	0	0	0
Miami	46	0	5	24	5	7	4	1	0	0
Mitchell	4	0	1	1	0	1	1	0	0	0
Montgomery	6	0	1	2	1	1	1	0	0	0
Morris	4	0	1	2	1	0	0	0	0	0
Morton	1	0	1	0	0	0	0	0	0	0
Nemaha	5	0	0	2	1	1	0	1	0	0
Neosho	12	0	4	4	0	3	0	1	0	0
Ness	1	0	0	1	0	0	0	0	0	0
Norton	0	0	0	0	0	0	0	0	0	0
Osage	15	0	5	4	4	2	0	0	0	0
Osborne	1	0	0	0	1	0	0	0	0	0
Ottawa	1	0	0	0	1	0	0	0	0	0
Pawnee	1	0	1	0	0	0	0	0	0	0
Phillips	2	0	0	0	1	0	0	1	0	0
Pottawatomie	7	0	1	1	2	1	2	0	0	0
Pratt	7	0	2	1	3	1	0	0	0	0
Rawlins	3	0	0	0	3	0	0	0	0	0
Reno	35	0	3	15	10	6	1	0	0	0
Republic	1	0	1	0	0	0	0	0	0	0
Rice	7	0	1	3	2	0	1	0	0	0
Riley	160	0	26	74	36	12	10	2	0	0
Rooks	1	0	0	0	0	1	0	0	0	0
Rush	0	0	0	0	0	0	0	0	0	0
Russell	3	0	0	0	3	0	0	0	0	0
Saline	59	2	9	25	10	8	3	2	0	0
Scott	2	0	0	1	0	0	1	0	0	0
Sedgwick	629	2	86	200	171	96	56	17	1	0
Seward	6	0	2	0	2	2	0	0	0	0
Shawnee	278	0	36	94	82	31	23	12	0	0
Sheridan	1	0	0	1	0	0	0	0	0	0
Sherman	3	0	1	1	1	0	0	0	0	0
Smith	0	0	0	0	0	0	0	0	0	0
Stafford	4	0	1	0	1	1	0	1	0	0
Stanton	1	0	1	0	0	0	0	0	0	0
Stevens	2	0	1	0	0	1	0	0	0	0
Sumner	6	0	3	3	0	0	0	0	0	0
Thomas	3	0	1	1	1	0	0	0	0	0
Trego	0	0	0	0	0	0	0	0	0	0
Wabaunsee	1	0	0	0	0	0	1	0	0	0
Wallace	0	0	0	0	0	0	0	0	0	0
Washington	2	0	1	1	0	0	0	0	0	0
Wichita	5	1	0	0	2	2	0	0	0	0
Wilson	6	0	1	1	1	2	1	0	0	0
Woodson	3	0	0	2	0	0	1	0	0	0
Wyandotte	518	3	55	161	126	109	50	14	0	0
N.S*	39	0	7	8	13	1	6	3	0	1

*County information not collected by other states.

Table 38
Total Reported Abortions by Age-Group of Patient
by Selected Characteristics
Kansas, 2011

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Total Reported	7,885	32	998	2,629	2,027	1,246	681	258	13	1
Residency										
Kansans in State	3,849	17	500	1,285	959	618	339	124	7	0
Kansans out-of-state	97	1	16	23	33	8	8	6	1	1
Non-residents in KS	3,939	14	482	1,321	1,035	620	334	128	5	0
N.S.	0	0	0	0	0	0	0	0	0	0
Population Group										
White Non-Hispanic	4,606	14	591	1,539	1,203	701	397	153	8	0
Black Non-Hispanic	1,719	10	202	564	462	304	131	45	1	0
Native American Non-Hispanic	60	0	6	14	21	15	2	2	0	0
Asian/Pacific Non-Hispanic	311	0	25	100	62	51	47	25	1	0
Other Non-Hispanic†	326	1	49	120	75	45	33	3	0	0
Hispanic Any Race	810	6	117	277	189	127	64	28	2	0
N.S.	53	1	8	15	15	3	7	2	1	1
Marital Status of Patient										
Married	1,148	1	23	199	307	301	226	85	6	0
Not Married	6,683	30	968	2,420	1,703	938	449	169	6	0
N.S.	54	1	7	10	17	7	6	4	1	1
Weeks Gestation										
Under 9	4,995	16	540	1,641	1,318	818	472	178	12	0
9-12	1,962	8	302	659	500	293	149	51	0	0
13-16	590	3	103	216	135	79	35	18	0	1
17-21	319	5	49	108	68	55	24	10	0	0
22 & Over	8	0	0	2	3	1	0	1	1	0
N.S.	11	0	4	3	3	0	1	0	0	0
Procedure										
Suction Curettage	5,563	21	695	1,786	1,422	916	516	198	9	0
Sharp Curettage	8	0	0	3	3	2	0	0	0	0
Dilation & Evac	663	8	114	233	145	102	39	21	0	1
Med Proc. 1‡	1,640	3	189	603	455	224	126	37	3	0
Med Proc. 2§	0	0	0	0	0	0	0	0	0	0
Intra-Uterine Pros. Instillation	3	0	0	2	0	1	0	0	0	0
Hysterotomy	0	0	0	0	0	0	0	0	0	0
Hysterectomy	4	0	0	0	1	1	0	1	1	0
Digoxin/Induction	2	0	0	1	0	0	0	1	0	0
"Partial Birth" Procedure	0	0	0	0	0	0	0	0	0	0
Other	2	0	0	1	1	0	0	0	0	0
N.S.	0	0	0	0	0	0	0	0	0	0
Previous Pregnancies										
None	2,270	30	746	1,003	346	98	34	13	0	0
1	1,566	2	183	711	403	169	79	18	1	0
2	1,366	0	52	444	415	257	139	56	2	1
3	1,045	0	13	265	351	235	135	41	5	0
4	689	0	4	115	206	191	120	50	3	0
5 & Over	948	0	0	91	306	296	173	80	2	0
N.S.	1	0	0	0	0	0	1	0	0	0

Table 38
Total Reported Abortions by Age-Group of Patient
by Selected Characteristics
Kansas, 2011

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Previous Induced Abortions										
None	4,721	30	878	1,800	1,050	540	299	115	8	1
1	1,920	2	98	572	567	387	217	75	2	0
2	753	0	17	178	249	170	97	40	2	0
3	278	0	4	44	95	80	35	19	1	0
4	122	0	1	21	42	37	16	5	0	0
5 & Over	90	0	0	14	24	32	16	4	0	0
N.S.	1	0	0	0	0	0	1	0	0	0
Number of Living Children										
None	3,176	32	850	1,379	588	226	79	22	0	0
1	2,039	0	130	793	599	302	160	52	2	1
2	1,570	0	18	358	509	362	221	97	5	0
3	717	0	0	77	226	223	133	53	5	0
4	265	0	0	16	75	90	61	22	1	0
5 & Over	118	0	0	6	30	43	27	12	0	0
N.S.	0	0	0	0	0	0	0	0	0	0
Children Born Alive Now Dead										
None	7,845	32	994	2,621	2,016	1,237	675	256	13	1
1	35	0	4	7	11	8	4	1	0	0
2	2	0	0	1	0	1	0	0	0	0
3	2	0	0	0	0	0	1	1	0	0
4	1	0	0	0	0	0	1	0	0	0
5 & Over	0	0	0	0	0	0	0	0	0	0
N.S.	0	0	0	0	0	0	0	0	0	0
Spontaneous Terminations										
None	6,713	32	974	2,390	1,655	973	498	180	11	0
1	902	0	24	202	287	196	138	52	2	1
2	179	0	0	26	63	46	32	12	0	0
3	54	0	0	7	11	20	7	9	0	0
4	23	0	0	2	8	6	4	3	0	0
5 & Over	13	0	0	2	3	5	1	2	0	0
N.S.	1	0	0	0	0	0	1	0	0	0

* Totals are larger than reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline. Not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

† Includes selection of two or more races or other non-specified race

‡ Refers to drug mifepristone

§ Refers to drug methotrexate

Table 39
Abortions by Age-Group of Patient
by Selected Characteristics
Kansas Residents, 2011

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Total Reported	3,946	18	516	1,308	992	626	347	130	8	1
Population Group										
White Non-Hispanic	2,348	6	323	806	593	349	189	78	4	0
Black Non-Hispanic	599	7	61	186	156	120	56	12	1	0
Native American Non-Hispanic	38	0	5	11	12	9	0	1	0	0
Asian/Pacific Non-Hispanic	196	0	17	57	46	33	26	17	0	0
Other Non-Hispanic†	171	1	23	55	42	26	21	3	0	0
Hispanic Any Race	548	3	80	182	130	86	48	17	2	0
N.S.	46	1	7	11	13	3	7	2	1	1
Marital Status of Patient										
Married	663	1	17	127	169	165	133	46	5	0
Not Married	3,233	16	492	1,173	808	454	208	80	2	0
N.S.	50	1	7	8	15	7	6	4	1	1
Weeks Gestation										
Under 9	2,527	8	300	806	664	403	244	95	7	0
9-12	949	4	140	319	234	153	76	23	0	0
13-16	289	1	49	112	59	45	16	6	0	1
17-21	162	5	23	66	29	24	10	5	0	0
22 & Over	8	0	0	2	3	1	0	1	1	0
N.S.	11	0	4	3	3	0	1	0	0	0
Procedure										
Suction Curettage	2,849	11	375	901	708	464	279	105	6	0
Sharp Curettage	8	0	0	3	3	2	0	0	0	0
Dilation & Evac	305	6	49	119	56	51	16	7	0	1
Med Proc. 1‡	773	1	92	281	223	107	52	16	1	0
Med Proc. 2§	0	0	0	0	0	0	0	0	0	0
Intra-Uterine Pros. Instillation	3	0	0	2	0	1	0	0	0	0
Hysterotomy	0	0	0	0	0	0	0	0	0	0
Hysterectomy	4	0	0	0	1	1	0	1	1	0
Digoxin/Induction	2	0	0	1	0	0	0	1	0	0
"Partial Birth" Procedure	0	0	0	0	0	0	0	0	0	0
Other	2	0	0	1	1	0	0	0	0	0
N.S.	0	0	0	0	0	0	0	0	0	0
Previous Pregnancies										
None	1,167	18	389	516	174	45	19	6	0	0
1	769	0	98	344	186	88	42	10	1	0
2	697	0	22	223	224	128	66	32	1	1
3	508	0	4	129	168	113	74	18	2	0
4	360	0	3	49	107	104	68	26	3	0
5 & Over	445	0	0	47	133	148	78	38	1	0
N.S.	0	0	0	0	0	0	0	0	0	0

Table 39
Abortions by Age-Group of Patient
by Selected Characteristics
Kansas Residents, 2011

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Previous Induced Abortions										
None	2,467	18	460	920	537	300	166	60	5	1
1	928	0	47	274	270	177	113	46	1	0
2	333	0	8	80	112	79	40	13	1	0
3	133	0	0	21	44	40	18	9	1	0
4	42	0	1	7	15	13	5	1	0	0
5 & Over	43	0	0	6	14	17	5	1	0	0
N.S.	0	0	0	0	0	0	0	0	0	0
Number of Living Children										
None	1,615	18	436	713	291	108	37	12	0	0
1	977	0	71	362	281	149	85	26	2	1
2	774	0	9	173	264	170	106	50	2	0
3	377	0	0	46	111	118	74	25	3	0
4	138	0	0	10	34	54	29	10	1	0
5 & Over	65	0	0	4	11	27	16	7	0	0
N.S.	0	0	0	0	0	0	0	0	0	0
Children Born Alive Now Dead										
None	3,922	18	514	1,304	986	621	342	128	8	1
1	20	0	2	3	6	4	4	1	0	0
2	2	0	0	1	0	1	0	0	0	0
3	2	0	0	0	0	0	1	1	0	0
4	0	0	0	0	0	0	0	0	0	0
5 & Over	0	0	0	0	0	0	0	0	0	0
N.S.	0	0	0	0	0	0	0	0	0	0
Spontaneous Terminations										
None	3,340	18	508	1,178	809	475	255	90	7	0
1	458	0	8	108	142	103	69	26	1	1
2	94	0	0	13	29	28	17	7	0	0
3	34	0	0	6	5	13	4	6	0	0
4	14	0	0	2	6	4	2	0	0	0
5 & Over	6	0	0	1	1	3	0	1	0	0
N.S.	0	0	0	0	0	0	0	0	0	0

* Totals are larger than reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline. Not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

† Includes selection of two or more races or other non-specified race

‡ Refers to drug mifepristone

§ Refers to drug methotrexate

Table 40
Total Reported Abortions by Population Group
by Marital Status
Kansas, 2011

Population Group	Total		Marital Status				
			Married		Unmarried		N.S.†
	Number	Percent	Number	Percent	Number	Percent	
Total	7,885	100.0	1,148	14.7	6,683	85.3	54
White Non-Hispanic	4,606	100.0	693	15.1	3,909	84.9	4
Black Non-Hispanic	1,719	100.0	132	7.7	1,584	92.3	3
Native American Non-Hispanic	60	100.0	8	13.6	51	86.4	1
Asian/Pacific Non-Hispanic	311	100.0	123	39.7	187	60.3	1
Other Non-Hispanic*	326	100.0	43	13.2	282	86.8	1
Hispanic Any Race	810	100.0	146	18.2	658	81.8	6
N.S.†	53	100.0	3	n/a	12	n/a	38

* Includes selection of two or more races or other non-specified race

† The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

Table 41
Total Reported Abortions by Population Group
by Weeks Gestation
Kansas, 2011

Population Group	Total		Weeks Gestation										N.S.**
			Under 9		9-12		13-16		17-21		22 & Over		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Total	7,885	100.0	4,995	63.4	1,962	24.9	590	7.5	319	4.1	8	0.1	11
White Non-Hispanic	4,606	100.0	3,049	66.2	1,082	23.5	299	6.5	173	3.8	3	0.1	0
Black Non-Hispanic	1,719	100.0	962	56.0	507	29.5	174	10.1	76	4.4	0	0.0	0
Native American Non-Hispanic	60	100.0	25	41.7	19	31.7	8	13.3	7	11.7	1	1.7	0
Asian/Pacific Non-Hispanic	311	100.0	229	73.6	56	18.0	11	3.5	15	4.8	0	0.0	0
Other Non-Hispanic*	326	100.0	206	63.2	78	23.9	25	7.7	17	5.2	0	0.0	0
Hispanic Any Race	810	100.0	496	61.2	213	26.3	69	8.5	31	3.8	1	0.1	0
N.S.†	53	100.0	28	n/a	7	n/a	4	n/a	0	n/a	3	n/a	11

* Includes selection of two or more races or other non-specified race

† The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

Total Reported Abortions: Percent Distribution by Weeks Gestation

Kansas, 2011

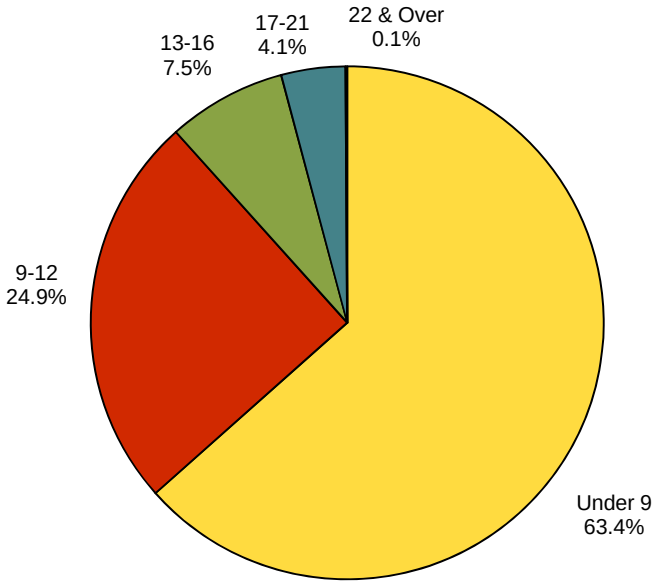


Figure 24

Table 42
Total Reported Abortions by Termination Procedure
by Weeks Gestation
Kansas, 2011

Termination Procedure	Total	Weeks Gestation					
		Under 9	9-12	13-16	17-21	22 & Over	N.S.*
Total	7,885	4,995	1,962	590	319	8	11
Suction Curettage	5,563	3,366	1,946	239	9	0	3
Sharp Curettage	8	8	0	0	0	0	0
Dilation & Evacuation	663	1	4	350	307	1	0
Medical Procedure I†	1,640	1,620	12	0	0	0	8
Medical Procedure II‡	0	0	0	0	0	0	0
Intra-Uterine Prostaglandin Instillation	3	0	0	1	2	0	0
Hysterotomy	4	0	0	0	0	4	0
Hysterectomy	0	0	0	0	0	0	0
Digoxin/Induction	2	0	0	0	1	1	0
"Partial Birth" Procedure	0	0	0	0	0	0	0
Other	2	0	0	0	0	2	0
N.S.	0	0	0	0	0	0	0

* The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

† Refers to drug mifepristone

‡ Refers to drug methotrexate

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DEATHS

Table 43
Deaths by Number, Crude* and Age-Adjusted Rate†
by County of Residence and by Peer Group‡
Kansas, 2007-2011

County of Residence	Year 2007 Number	2007 Crude Rate	2007 Age Adj. Rate	2008 Number	2008 Crude Rate	2008 Age Adj. Rate	2009 Number	2009 Crude Rate	2009 Age Adj. Rate	2010 Number	2010 Crude Rate	2010 Age Adj. Rate	2011 Number	2011 Crude Rate	2011 Age Adj. Rate	5-Year Crude Rate	5-Year Age Adj. Rate
Kansas	24,413	8.8	7.9	24,896	8.9	7.8	23,997	8.5	7.6	24,428	8.6	7.6	25,114	8.7	7.7	8.7	7.7
Allen	174	13.0	8.7	164	12.3	8.4	175	13.3	9.1	182	13.6	9.1	194	14.6	10.0	13.3	9.0
Anderson	75	9.5	6.1	96	12.0	8.0	107	13.6	9.1	95	11.7	7.0	106	13.1	8.7	12.0	7.7
Atchison	191	11.5	8.6	181	11.0	8.2	180	11.0	8.6	190	11.2	8.9	186	11.1	9.0	11.2	8.6
Barber	80	16.7	10.3	66	14.1	8.0	60	13.1	8.8	51	10.5	6.4	54	11.0	7.7	13.1	8.2
Barton	285	10.3	6.9	348	12.6	8.1	305	11.1	8.0	295	10.7	7.8	330	11.9	8.7	11.3	7.9
Bourbon	169	11.4	8.0	199	13.4	9.7	166	11.2	8.1	177	11.7	8.3	179	11.9	8.7	11.9	8.5
Brown	143	14.2	9.2	120	12.0	8.0	139	14.0	10.0	104	10.4	6.9	139	13.9	9.5	12.9	8.7
Butler	576	9.1	8.3	548	8.6	7.8	573	8.9	8.2	619	9.4	8.7	589	8.9	8.0	9.0	8.2
Chase	30	10.4	7.1	35	12.5	8.7	25	8.9	5.3	40	14.3	9.2	34	12.1	7.5	11.6	7.6
Chautauqua	60	15.8	7.7	69	18.3	10.8	53	14.2	8.0	53	14.4	8.2	64	17.9	9.7	16.1	8.9
Cherokee	287	13.5	10.8	289	13.7	11.1	265	12.6	10.2	278	12.9	10.5	280	13.1	10.8	13.1	10.7
Cheyenne	48	17.1	8.7	37	13.5	6.7	52	19.3	8.9	37	13.6	5.8	39	14.3	6.7	15.6	7.3
Clark	28	13.4	7.7	30	14.2	7.9	34	16.3	8.8	30	13.5	6.9	38	17.7	7.6	15.0	7.8
Clay	119	13.7	8.0	123	13.9	7.6	111	12.8	7.7	108	12.7	7.6	106	12.4	6.9	13.1	7.6
Cloud	161	17.2	8.6	148	15.7	8.2	155	16.7	9.1	130	13.6	7.6	129	13.8	7.8	15.4	8.2
Coffey	94	11.1	8.0	105	12.5	9.3	83	9.8	7.5	111	12.9	9.8	107	12.5	9.4	11.8	8.7
Comanche	44	23.3	11.6	28	14.4	6.9	27	14.4	6.5	39	20.6	11.7	29	15.4	10.5	17.6	9.4
Cowley	421	12.3	10.0	407	11.9	9.7	418	12.4	10.6	416	11.5	9.0	453	12.5	9.5	12.1	9.7
Crawford	474	12.2	10.0	422	10.9	8.8	366	9.4	8.0	439	11.2	9.2	430	11.0	9.1	10.9	9.0
Decatur	40	13.5	6.0	61	20.9	9.8	44	15.4	7.3	46	15.5	7.8	68	23.3	12.0	17.7	8.7
Dickinson	228	12.0	7.7	235	12.2	8.1	212	11.1	7.6	234	11.8	7.7	245	12.4	8.0	11.9	7.8
Doniphan	76	9.8	7.1	79	10.2	7.5	80	10.5	7.4	77	9.7	7.2	82	10.3	7.5	10.1	7.3
Douglas	570	5.0	6.4	549	4.8	5.9	588	5.1	6.0	627	5.7	7.1	590	5.3	6.4	5.2	6.3
Edwards	37	11.9	7.7	39	12.7	8.1	44	14.3	10.0	34	11.2	8.0	44	14.6	9.7	12.9	8.6
Elk	49	16.1	8.0	42	13.8	7.7	41	13.7	7.1	48	16.7	9.5	39	13.9	8.0	14.8	8.1
Ellis	251	9.1	7.3	269	9.7	7.4	243	8.8	7.3	225	7.9	6.6	233	8.1	6.9	8.7	7.1
Ellsworth	72	11.4	6.5	85	13.6	8.3	80	12.9	7.6	99	15.2	9.5	80	12.3	7.7	13.1	7.9
Finney	174	4.5	6.4	202	4.9	7.0	199	4.7	6.6	190	5.2	7.0	190	5.1	6.5	4.9	6.7
Ford	225	6.7	7.2	235	7.1	7.3	225	6.7	7.4	266	7.9	8.5	234	6.8	7.5	7.0	7.6
Franklin	250	9.4	8.4	245	9.2	8.3	242	9.2	8.6	245	9.4	8.2	232	8.9	7.6	9.2	8.2
Geary	169	6.7	7.4	208	6.7	7.5	218	6.9	8.2	204	5.9	8.4	196	5.5	8.1	6.3	7.8
Gove	41	15.5	7.2	39	15.3	7.5	51	20.6	10.3	26	9.6	4.5	39	14.5	8.0	15.0	7.5
Graham	39	15.0	7.3	43	16.6	8.3	36	14.8	7.4	39	15.0	7.6	32	12.1	7.4	14.7	7.6
Grant	58	7.7	8.6	51	6.9	7.7	40	5.4	6.2	57	7.3	8.9	45	5.7	7.0	6.6	7.6
Gray	51	9.0	7.9	51	9.0	8.3	49	8.2	7.2	54	9.0	8.5	43	7.0	6.5	8.4	7.6
Greeley	13	10.0	6.2	9	7.1	4.5	15	12.2	8.0	14	11.2	5.9	12	9.5	4.8	10.0	5.9
Greenwood	103	14.7	8.9	104	15.2	8.9	79	11.9	7.3	95	14.2	8.9	88	13.2	8.1	13.9	8.4
Hamilton	29	11.0	8.1	31	11.8	7.4	31	11.8	8.6	28	10.4	9.2	33	12.4	11.1	11.5	8.7
Harper	96	16.5	8.3	93	15.9	8.2	107	18.9	10.2	101	16.7	9.7	96	16.0	9.4	16.8	9.1
Harvey	386	11.5	7.7	349	10.4	6.9	335	9.8	6.5	399	11.5	7.8	379	10.9	7.0	10.8	7.2
Haskell	32	7.9	8.4	32	8.2	7.9	25	6.2	5.9	28	6.6	7.4	29	6.8	7.0	7.1	7.3
Hodgeman	22	11.2	6.7	18	9.2	5.9	26	13.6	8.8	17	8.9	5.4	17	8.6	5.6	10.3	6.5
Jackson	113	8.4	7.0	154	11.6	9.4	136	10.1	8.2	118	8.8	7.0	136	10.1	8.2	9.8	7.9
Jefferson	181	9.8	8.6	159	8.6	7.2	138	7.6	6.3	183	9.6	8.1	182	9.6	7.8	9.0	7.6
Jewell	48	15.0	6.7	44	14.0	6.0	41	13.4	6.7	35	11.4	5.9	46	14.9	7.0	13.7	6.4
Johnson	3,084	5.9	6.4	3,358	6.3	6.8	3,234	6.0	6.1	3,300	6.1	6.2	3,443	6.2	6.2	6.1	6.4
Kearny	35	8.4	8.1	39	9.4	8.8	38	9.1	9.8	34	8.5	7.7	49	12.3	11.2	9.5	9.1
Kingman	119	15.2	8.9	89	11.5	6.6	105	13.9	8.6	81	10.3	6.1	90	11.5	6.9	12.5	7.4
Kiowa	32	10.8	6.6	34	13.4	6.1	29	12.5	8.0	22	8.6	5.5	29	11.4	7.2	11.3	6.6
Labette	276	12.6	9.0	293	13.4	9.7	254	11.7	8.6	249	11.5	8.7	269	12.5	9.2	12.3	9.0
Lane	28	16.0	9.9	30	17.2	10.3	25	14.4	8.2	16	9.1	5.8	32	18.3	10.8	15.0	9.0
Leavenworth	495	6.7	7.9	526	7.1	8.2	521	6.9	7.9	554	7.3	7.8	566	7.3	7.7	7.1	7.9
Lincoln	59	18.0	10.5	46	14.1	8.1	44	14.1	8.2	40	12.3	7.8	52	16.2	8.7	14.9	8.6
Linn	105	10.8	7.6	131	13.6	9.1	114	12.2	9.1	109	11.3	7.7	107	11.1	7.4	11.8	8.1
Logan	40	15.2	8.6	39	15.0	9.0	30	11.8	7.3	29	10.5	6.3	34	12.2	7.7	12.9	7.8

Table 43

Deaths by Number, Crude* and Age-Adjusted Rate†

by County of Residence and by Peer Group‡

Kansas, 2007-2011

County of Residence	Year 2007 Number	2007 Crude Rate	2007 Age Adj. Rate	2008 Number	2008 Crude Rate	2008 Age Adj. Rate	2009 Number	2009 Crude Rate	2009 Age Adj. Rate	2010 Number	2010 Crude Rate	2010 Age Adj. Rate	2011 Number	2011 Crude Rate	2011 Age Adj. Rate	5-Year Crude Rate	5-Year Age Adj. Rate
Lyon	313	8.7	8.0	258	7.3	6.5	274	8.2	7.0	263	7.8	7.2	330	9.8	9.1	8.3	7.5
McPherson	345	11.8	7.3	376	12.9	8.0	357	12.4	8.1	348	11.9	7.3	374	12.8	7.8	12.4	7.7
Marion	172	14.1	7.9	179	14.8	7.5	152	12.7	7.1	141	11.1	6.2	185	14.8	8.1	13.5	7.4
Marshall	126	12.4	6.4	110	10.8	5.7	121	12.0	7.1	131	12.9	7.1	131	13.1	7.2	12.2	6.7
Meade	50	11.4	8.4	50	11.5	7.3	49	11.1	7.8	50	10.9	7.2	54	11.9	8.2	11.4	7.8
Miami	243	7.8	8.1	269	8.7	8.9	245	7.9	8.4	290	8.8	8.3	261	8.0	7.4	8.3	8.2
Mitchell	88	14.0	8.1	102	16.2	8.7	104	16.4	9.2	99	15.5	8.4	75	11.9	6.9	14.8	8.2
Montgomery	446	12.9	8.9	478	13.9	9.6	418	12.2	8.6	456	12.9	9.1	467	13.4	9.4	13.1	9.1
Morris	73	12.2	6.9	78	12.9	7.1	78	13.0	7.4	71	12.0	6.4	88	14.9	8.4	13.0	7.3
Morton	37	12.2	9.9	36	12.1	10.1	36	11.9	9.3	36	11.1	7.6	50	15.6	10.1	12.6	9.3
Nemaha	143	14.0	7.8	139	13.7	7.4	104	10.4	6.0	135	13.3	7.0	142	14.0	7.6	13.1	7.2
Neosho	204	12.6	8.6	210	12.9	8.8	182	11.3	8.5	196	11.9	8.4	220	13.4	9.4	12.4	8.7
Ness	51	17.1	7.1	46	15.6	7.3	45	15.9	8.7	37	11.9	5.7	42	13.5	6.1	14.7	6.8
Norton	72	13.3	7.6	75	14.0	9.3	66	12.4	7.9	65	11.5	6.9	51	9.1	6.4	12.0	7.6
Osage	175	10.6	8.3	182	11.1	8.4	200	12.4	10.2	164	10.1	7.6	175	10.7	8.2	11.0	8.5
Osborne	75	19.4	9.6	63	16.6	7.5	49	12.7	5.9	46	11.9	5.5	63	16.4	8.0	15.4	7.2
Ottawa	67	11.2	7.5	71	11.8	7.3	66	11.0	7.3	72	11.8	9.1	68	11.1	8.2	11.4	7.8
Pawnee	73	11.4	8.1	83	13.2	9.9	80	12.9	10.2	73	10.5	7.2	73	10.4	7.2	11.6	8.3
Phillips	80	14.9	7.7	75	14.0	6.9	70	13.3	7.2	70	12.4	7.5	94	16.9	10.0	14.3	7.8
Pottawatomie	176	9.1	8.4	152	7.7	7.2	170	8.5	7.8	146	6.8	6.5	137	6.3	6.0	7.6	7.2
Pratt	153	16.2	9.9	116	12.3	7.7	95	10.2	6.8	121	12.5	7.7	128	13.2	8.7	12.9	8.2
Rawlins	33	12.9	8.6	50	20.0	10.0	31	12.8	6.9	35	13.9	6.4	32	12.7	6.6	14.5	7.6
Reno	721	11.4	8.0	692	10.9	7.6	692	10.9	7.8	685	10.6	7.6	731	11.3	7.9	11.0	7.8
Republic	72	14.7	7.0	68	14.1	5.8	82	17.1	7.4	80	16.1	7.5	95	19.4	8.5	16.3	7.3
Rice	110	10.9	7.9	140	13.9	9.9	118	11.7	8.4	121	12.0	8.4	130	12.9	9.1	12.3	8.7
Riley	287	4.2	5.6	317	4.5	6.0	329	4.6	6.6	312	4.4	6.3	334	4.6	6.8	4.4	6.2
Rooks	59	11.4	6.9	75	14.6	8.2	73	14.6	8.1	56	10.8	7.0	63	12.2	7.7	12.7	7.5
Rush	52	16.2	7.5	48	14.9	7.4	35	11.1	4.8	46	13.9	7.7	50	15.4	8.4	14.3	7.2
Russell	110	16.3	8.9	96	14.5	6.9	86	13.0	7.1	105	15.1	8.6	91	13.1	7.1	14.4	7.7
Saline	598	11.0	9.0	583	10.7	8.5	461	8.5	7.0	518	9.3	7.8	527	9.4	7.9	9.8	8.0
Scott	68	14.9	10.3	47	10.3	7.2	65	14.3	10.4	56	11.3	7.1	65	13.2	9.5	12.8	8.8
Sedgwick	3,875	8.1	8.3	3,836	7.9	8.0	3,898	7.9	8.0	3,920	7.9	7.9	4,027	8.0	8.0	8.0	8.0
Seward	131	5.7	6.9	137	6.0	7.3	144	6.3	7.7	134	5.8	7.6	124	5.3	7.4	5.8	7.3
Shawnee	1,652	9.5	8.2	1,756	10.1	8.7	1,660	9.4	8.1	1,641	9.2	7.7	1,687	9.4	7.9	9.5	8.1
Sheridan	23	9.2	6.0	33	13.1	7.3	31	12.7	8.2	35	13.7	7.1	32	12.5	6.7	12.3	6.9
Sherman	78	13.1	9.1	72	12.0	7.5	84	14.3	9.9	62	10.3	7.1	78	12.9	9.3	12.5	8.5
Smith	70	17.7	7.4	75	19.2	7.5	53	14.1	6.0	63	16.4	8.4	60	15.6	6.4	16.6	7.2
Stafford	71	16.2	8.5	56	12.9	7.4	53	12.2	6.4	68	15.3	8.8	63	14.4	8.9	14.2	7.9
Stanton	13	6.0	4.5	19	8.8	6.4	19	9.0	7.4	17	7.6	5.4	16	7.1	5.4	7.7	5.8
Stevens	53	10.5	8.6	43	8.5	6.9	41	8.0	7.1	52	9.1	8.0	43	7.7	6.2	8.7	7.4
Sumner	261	10.9	8.8	270	11.4	9.0	260	11.1	8.6	276	11.4	8.9	290	12.2	9.1	11.4	8.9
Thomas	71	9.7	7.4	94	12.9	10.2	69	9.4	7.8	87	11.0	8.1	61	7.6	5.9	10.1	7.8
Trego	44	15.0	7.3	41	14.2	6.9	49	16.8	8.6	47	15.7	8.2	49	16.7	9.3	15.7	8.1
Wabaunsee	68	9.9	7.7	58	8.4	6.8	51	7.4	6.2	76	10.8	8.8	75	10.7	8.9	9.4	7.6
Wallace	17	11.7	6.5	17	12.1	6.6	16	11.4	6.3	21	14.1	7.3	17	11.1	6.4	12.1	6.6
Washington	85	14.6	7.7	76	13.1	6.3	87	15.3	7.2	73	12.6	6.8	70	12.0	5.8	13.5	6.8
Wichita	15	6.8	5.1	20	9.3	5.8	29	13.8	10.1	22	9.8	7.0	25	11.0	7.8	10.1	7.1
Wilson	160	16.3	10.6	135	13.9	8.3	138	14.6	9.0	129	13.7	9.1	115	12.4	8.5	14.2	9.1
Woodson	49	14.8	8.5	66	20.1	10.7	60	18.5	11.5	49	14.8	9.2	50	15.2	9.1	16.7	9.7
Wyandotte	1,320	8.6	9.3	1,402	9.1	9.9	1,309	8.4	9.2	1,308	8.3	9.0	1,338	8.5	9.0	8.6	9.3
N.S.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	7	n/a	n/a	1	n/a	n/a	n/a	n/a
Peer Group																	
Frontier	1,222	13.9	7.7	1,208	14.0	7.5	1,135	13.3	7.6	1,414	12.4	7.3	1,566	13.8	8.2	10.9	6.6
Rural	3,502	12.8	8.1	3,505	12.9	8.0	3,326	12.3	7.9	2,883	12.1	7.7	2,907	12.2	7.9	9.8	8.7
Densely -Settled Rural	4,230	10.0	8.3	4,387	10.3	8.4	4,173	9.8	8.2	4,607	9.7	8.0	4,843	10.1	8.4	8.1	7.7
Semi-Urban	4,958	9.0	8.0	4,895	8.8	7.8	4,674	8.4	7.6	4,167	9.1	8.1	4,146	9.0	7.9	6.9	8.9
Urban	10,501	7.3	7.8	10,901	7.5	7.7	10,689	7.2	7.3	11,350	7.3	7.3	11,651	7.4	7.3	5.9	7.3

* Rate per 1,000 population

† Rate per 1,000 standard U.S. 2000 population (see Technical Notes)

‡ See Technical Notes for Peer Group definition. Numerator and denominator for 5-year rate based on peer group assignment of counties in effect for the event year.

Table 44
Deaths by Number and Crude Rate*
by Selected City of Residence
Kansas, 2007-2011

City of Residence	Year										5-Year Rate
	2007		2008		2009		2010		2011		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Abilene	96	15.2	109	17.0	96	15.3	94	13.7	100	14.6	15.2
Andover	89	9.0	77	7.4	80	7.6	78	6.6	97	8.2	7.7
Anthony	45	20.4	41	18.4	55	25.6	45	19.8	38	16.9	20.2
Arkansas City	160	14.3	154	13.9	146	13.3	163	13.1	171	13.8	13.7
Atchison	145	14.4	136	13.1	129	12.4	136	12.3	148	13.5	13.1
Augusta	96	11.1	113	13.0	122	14.0	106	11.4	116	12.5	12.4
Baldwin City	40	9.5	32	7.4	33	7.5	45	10.0	40	8.8	8.6
Baxter Springs	53	12.6	60	14.4	59	14.2	68	16.0	71	16.9	14.9
Bel Aire	29	4.3	45	6.5	54	7.9	60	8.9	43	6.3	6.8
Belleville	47	25.2	46	25.1	48	26.3	55	27.6	65	33.1	27.5
Beloit	45	12.3	61	16.8	62	16.9	58	15.1	45	11.9	14.6
Bonner Springs	71	10.0	62	8.7	46	6.3	66	9.0	63	8.6	8.5
Burlington	33	12.5	41	15.3	36	13.5	39	14.6	52	19.6	15.1
Chanute	137	15.5	129	14.6	95	10.9	123	13.5	129	14.2	13.7
Cherryvale	35	15.5	42	18.6	23	10.2	43	18.2	31	13.3	15.2
Clay Center	74	17.0	79	17.8	67	15.3	70	16.2	75	17.2	16.7
Coffeyville	164	15.8	147	14.3	160	15.6	176	17.1	200	19.7	16.5
Colby	56	11.6	72	15.0	53	11.0	62	11.5	48	8.8	11.5
Columbus	67	20.8	66	20.7	56	17.6	49	14.8	56	17.1	18.2
Concordia	97	18.8	98	18.8	105	20.6	68	12.6	75	14.1	16.9
Derby	159	7.2	130	5.8	123	5.4	163	7.4	171	7.7	6.7
De Soto	36	6.7	37	6.8	39	7.1	40	7.0	44	7.6	7.0
Dodge City	168	6.5	181	7.0	174	6.7	196	7.2	164	5.9	6.7
Edwardsville	61	13.7	59	13.2	38	8.4	39	9.0	47	10.8	11.0
El Dorado	169	13.4	156	12.4	164	13.0	190	14.6	152	11.7	13.0
Ellinwood	25	12.2	31	15.2	27	13.7	33	15.5	44	20.5	15.5
Ellsworth	29	10.1	40	14.0	42	14.9	51	16.3	30	9.6	13.0
Emporia	226	8.5	205	7.8	202	8.1	202	8.1	257	10.3	8.5
Eudora	40	6.6	49	7.9	44	7.0	36	5.9	42	6.8	6.8
Eureka	54	20.7	51	19.9	35	14.1	50	19.0	57	21.8	19.2
Fairway	27	7.0	21	5.5	21	5.4	27	7.0	14	3.5	5.7
Fort Scott	109	13.8	138	17.4	113	14.2	118	14.6	115	14.4	14.9
Fredonia	58	23.9	44	18.4	45	19.3	31	12.5	45	18.3	18.5
Frontenac	41	12.8	51	16.0	41	12.8	57	16.6	52	15.1	14.7
Galena	55	17.4	53	17.0	36	11.5	64	20.7	50	16.4	16.6
Garden City	141	5.3	166	5.8	170	6.0	162	6.1	159	5.9	5.8
Gardner	68	4.1	91	5.2	88	4.9	82	4.3	84	4.3	4.6
Garnett	45	14.0	46	14.3	50	15.8	60	17.6	61	17.9	16.0
Girard	47	17.1	46	16.9	32	11.8	45	16.1	45	16.1	15.6
Goodland	68	15.6	60	13.7	77	18.0	51	11.4	67	14.8	14.7
Great Bend	167	10.7	218	14.0	180	11.5	169	10.6	187	11.6	11.7
Hays	181	9.0	184	9.0	165	8.1	156	7.6	165	8.0	8.3
Haysville	87	8.5	90	8.7	89	8.5	92	8.5	103	9.5	8.7
Herington	35	14.5	39	15.9	45	18.8	39	15.4	36	14.3	15.7
Hesston	51	13.8	36	9.6	46	12.0	40	10.8	53	14.2	12.1
Hiawatha	67	21.0	46	14.5	47	14.8	33	10.4	62	19.5	16.0
Hillsboro	46	17.3	45	17.1	51	19.5	37	12.4	52	17.5	16.6
Hoisington	37	12.8	38	13.2	39	13.9	37	13.7	40	14.7	13.6
Holton	45	13.6	62	19.0	57	17.3	44	13.2	46	13.8	15.4
Hugoton	43	12.6	35	10.3	32	9.3	47	12.0	36	9.4	10.7
Hutchinson	519	12.8	489	12.0	479	11.7	500	11.9	513	12.2	12.1
Independence	132	14.2	143	15.5	122	13.3	123	13.0	109	11.7	13.5
Iola	92	15.7	82	14.2	77	13.5	81	14.2	92	16.2	14.8
Junction City	133	8.5	180	8.7	176	8.4	166	7.1	159	6.6	7.8
Kansas City	1,176	8.3	1,269	8.9	1,178	8.2	1,184	8.1	1,217	8.3	8.4

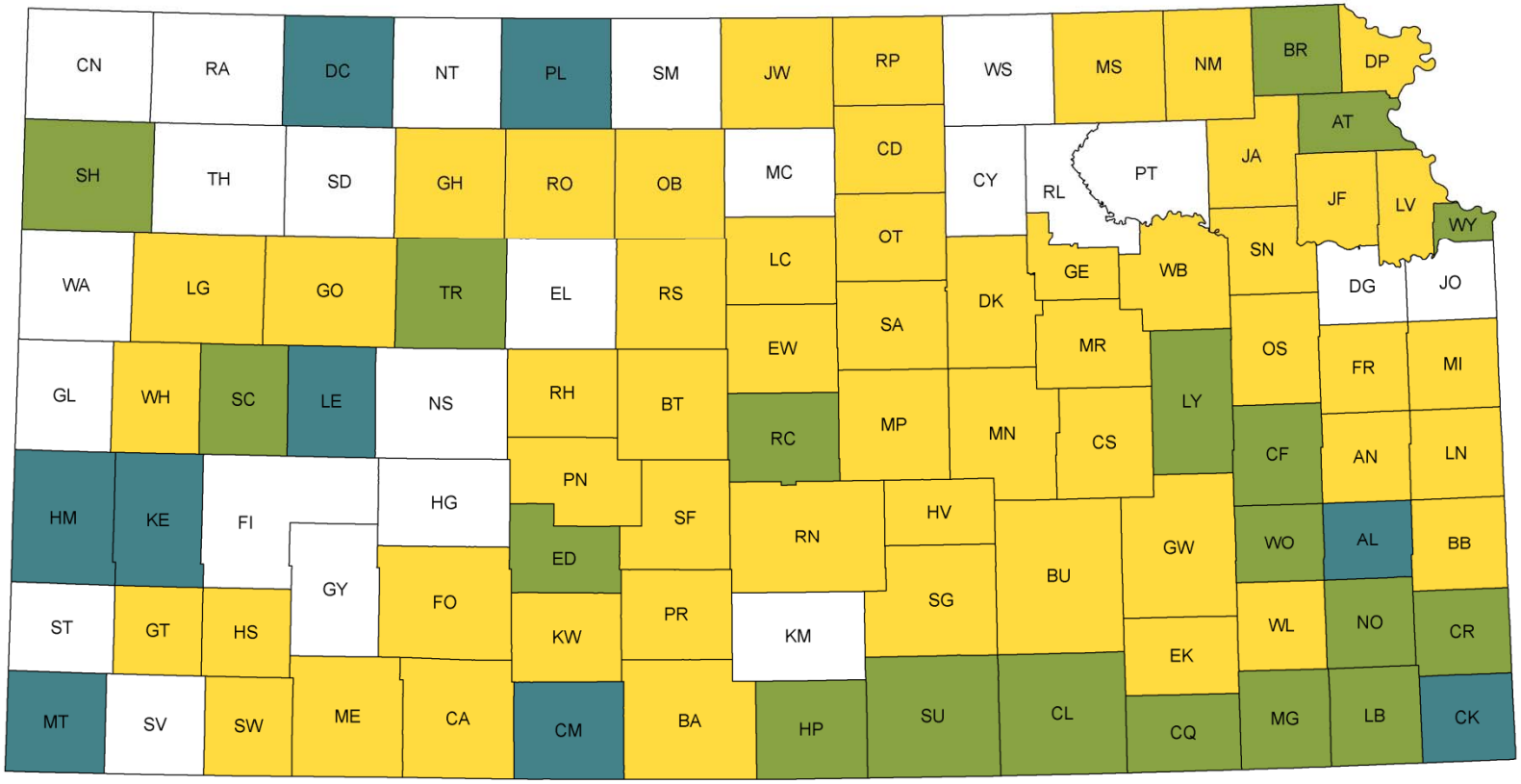
Table 44
Deaths by Number and Crude Rate*
by Selected City of Residence
Kansas, 2007-2011

City of Residence	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Kingman	63	20.6	39	13.0	48	16.4	41	12.9	50	15.7	15.7
Lansing	59	5.5	65	6.1	67	6.2	71	6.3	69	6.1	6.0
Larned	57	15.5	54	15.0	60	16.9	55	13.6	51	12.5	14.6
Lawrence	433	4.8	399	4.4	434	4.7	482	5.5	442	5.0	4.9
Leavenworth	261	7.5	260	7.5	262	7.5	256	7.3	280	7.8	7.5
Leawood	192	6.2	198	6.3	231	7.3	217	6.8	257	7.9	6.9
Lenexa	286	6.3	341	7.3	282	5.9	287	6.0	312	6.4	6.3
Liberal	122	6.1	124	6.2	129	6.4	118	5.7	112	5.4	6.0
Lindsborg	48	14.7	49	15.1	36	11.2	54	15.6	53	15.3	14.4
Louisburg	44	11.6	46	11.7	30	7.7	40	9.3	37	8.6	9.7
Lyons	56	16.1	56	16.5	45	13.2	55	14.7	43	11.5	14.4
McPherson	145	10.8	151	11.3	138	10.4	130	9.9	167	12.7	11.0
Manhattan	225	4.4	261	5.0	261	4.9	252	4.8	275	5.1	4.8
Marysville	46	14.8	44	14.1	51	16.4	61	18.5	58	17.8	16.4
Medicine Lodge	36	18.3	27	14.1	28	14.9	16	8.0	25	12.4	13.5
Merriam	131	12.1	119	11.0	106	9.5	116	10.5	132	11.8	11.0
Mission	85	8.7	83	8.5	80	8.1	70	7.5	96	10.1	8.6
Mission Hills	14	4.0	21	5.9	17	4.7	15	4.3	17	4.8	4.7
Mulvane	61	10.5	52	8.9	63	10.7	58	9.5	52	8.5	9.6
Neodesha	57	21.5	52	19.7	38	14.8	44	17.7	36	14.7	17.7
Newton	198	11.0	206	11.4	171	9.3	236	12.3	193	10.0	10.8
Norton	53	19.8	54	20.4	42	15.8	49	16.7	33	11.3	16.7
Olathe	526	4.5	597	5.0	560	4.6	547	4.3	622	4.9	4.6
Osage City	40	14.1	50	17.7	56	20.2	40	13.6	51	17.3	16.5
Osawatomie	52	11.5	49	10.9	55	12.1	71	16.0	54	12.2	12.5
Ottawa	126	9.8	145	11.3	135	10.5	136	10.8	123	9.7	10.4
Overland Park	1,030	6.1	1,112	6.5	1,021	5.8	1,156	6.7	1,153	6.5	6.3
Paola	62	11.5	70	13.1	50	9.4	69	12.3	60	10.7	11.4
Park City	23	3.0	32	4.1	24	3.0	18	2.5	21	2.9	3.1
Parsons	153	13.8	166	15.0	148	13.5	140	13.3	135	12.9	13.7
Phillipsburg	39	16.4	40	16.9	29	12.3	40	15.5	53	20.8	16.5
Pittsburg	239	12.2	200	10.2	153	7.8	201	9.9	202	10.0	10.0
Plainville	27	14.8	27	14.8	36	20.5	27	14.2	29	15.2	15.9
Prairie Village	200	9.3	210	9.8	190	8.8	194	9.0	174	8.0	9.0
Pratt	122	19.0	96	15.0	73	11.6	104	15.2	105	15.3	15.2
Roeland Park	38	5.5	47	6.8	40	5.7	42	6.2	33	4.8	5.8
Rose Hill	34	8.6	27	6.7	30	7.3	31	7.9	38	9.7	8.0
Russell	75	17.5	67	15.9	64	15.3	76	16.9	60	13.3	15.8
Sabetha	61	24.5	47	18.9	33	13.5	45	17.5	59	23.1	19.5
Salina	541	11.6	538	11.6	413	8.9	464	9.7	472	9.9	10.3
Scott City	63	18.0	41	11.7	60	17.2	48	12.6	55	14.5	14.8
Shawnee	316	5.3	339	5.6	321	5.2	375	6.0	343	5.4	5.5
South Hutchinson	58	22.8	66	25.9	73	28.7	45	18.3	80	32.5	25.7
Spring HIll	32	6.3	32	6.1	32	6.1	39	7.2	42	7.7	6.7
Sterling	18	7.1	43	17.0	24	10.3	22	9.5	26	11.2	11.0
Tonganoxie	50	12.0	66	15.3	46	10.4	61	12.2	56	11.1	12.2
Topeka	1,425	11.6	1,477	12.0	1,377	11.1	1,371	10.8	1,405	11.0	11.3
Ulysses	51	9.1	44	7.9	34	6.2	47	7.6	38	6.1	7.3
Valley Center	39	6.2	58	8.9	53	8.0	53	7.8	43	6.3	7.4
Wamego	48	11.2	32	7.4	40	9.1	39	8.9	35	7.9	8.9
Wellington	109	14.0	106	13.7	97	12.6	99	12.1	119	14.8	13.4
Wichita	3,186	8.8	3,153	8.6	3,164	8.5	3,203	8.4	3,258	8.5	8.6
Winfield	159	13.8	161	14.0	167	15.0	169	13.7	173	14.1	14.1

*Rate per 1,000 population. 2006-2009 are based on US Census Bureau Estimates; 2010 is based on actual Census counts.

Age-Adjusted Death Rates
by County of Residence

Kansas, 2011



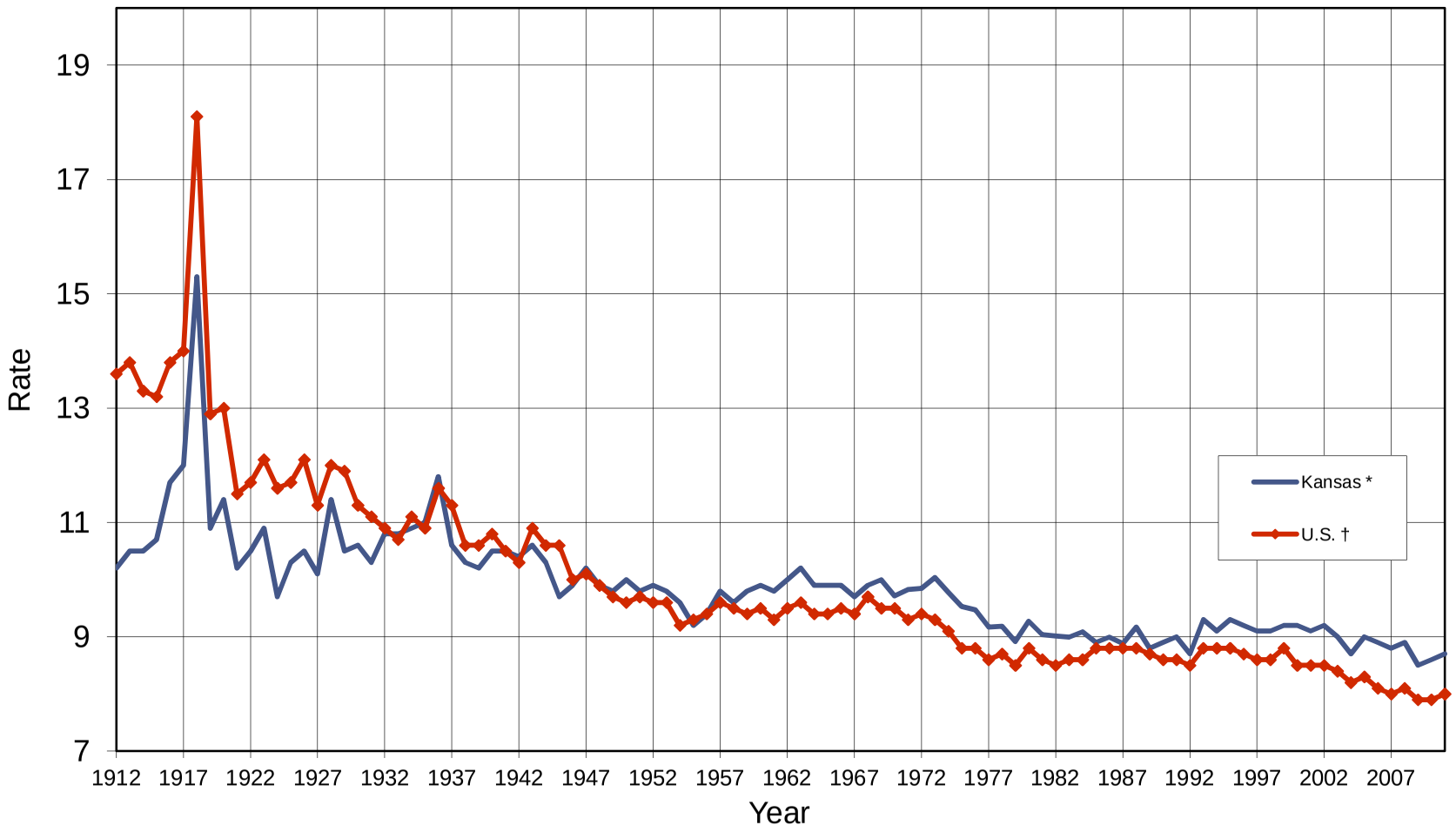
Legend

Under 7.0 | 7.0 - 8.9 | 9.0 - 9.9 | 10.0 and over

Figure 25

Crude Death Rates

Kansas and the U.S., 1912-2011



*1912-1936 Occurrence data
1937-2011 Residence data
†2010-2011 Rates Provisional
Rate per 1,000 Population

Figure 26

Table 45
Stillbirths by Cause of Death and Weeks Gestation
Kansas, 2011

Cause of Death (ICD-10 Code)	Total Stillbirths	Weeks Gestation				
		Under 20	20-31	32-41	42 & Over	N.S.
All Causes	188	4	94	89	0	1
Certain Conditions Originating in the Perinatal Period (P00-P96)	165	3	82	79	0	1
-Fetus Affected by Maternal Conditions (P00)	16	0	11	5	0	0
-Fetus Affected by Maternal Complications of Pregnancy (P01)	18	1	16	1	0	0
-Fetus Affected by Complications of Placenta, Cord & Membrane (P02)	61	1	23	36	0	1
-Fetus Affected by Complications of Labor & Delivery (P03)	1	0	0	1	0	0
-Disorders Related to Short Gestation & Low Birth Weight (P07)	8	0	6	2	0	0
-Hypoxia and Birth Asphyxia (P20-P21)	0	0	0	0	0	0
-Cardiovascular Disorders (P29)	0	0	0	0	0	0
-Hemorrhagic & Hematologic Disorders of Fetus (P50-P54, P56)	0	0	0	0	0	0
-Unspecified Cause (P95)	46	0	19	27	0	0
-Other Perinatal Conditions (P04-P05, P08-P15, P22-P28, P35-P39, P55, P57-P94, P96)	15	1	7	7	0	0
Congenital Anomalies (Q00-Q99)	19	1	8	10	0	0
All other Causes	4	0	4	0	0	0

Table 46
Perinatal Period III Deaths by Component
Kansas, 1992-2011

Year	Stillbirths	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate*
1992	216	165	381	10.0
1993	222	171	393	10.5
1994	231	140	371	9.9
1995	183	134	317	8.5
1996	179	157	336	9.2
1997	202	147	349	9.3
1998	199	132	331	8.6
1999	175	159	334	8.6
2000	177	146	323	8.1
2001	209	148	357	9.1
2002	146	155	301	7.6
2003	206	138	344	8.7
2004	186	144	330	8.3
2005	194	153	347	8.7
2006	192	137	329	8.0
2007	186	163	349	8.3
2008	182	160	342	8.1
2009	213	144	357	8.6
2010	168	143	311	7.7
2011	188	121	309	7.8

*Rate per 1,000 live births + stillbirths

Table 47
Perinatal Period III Deaths by Component
by County of Residence
Kansas, 2011

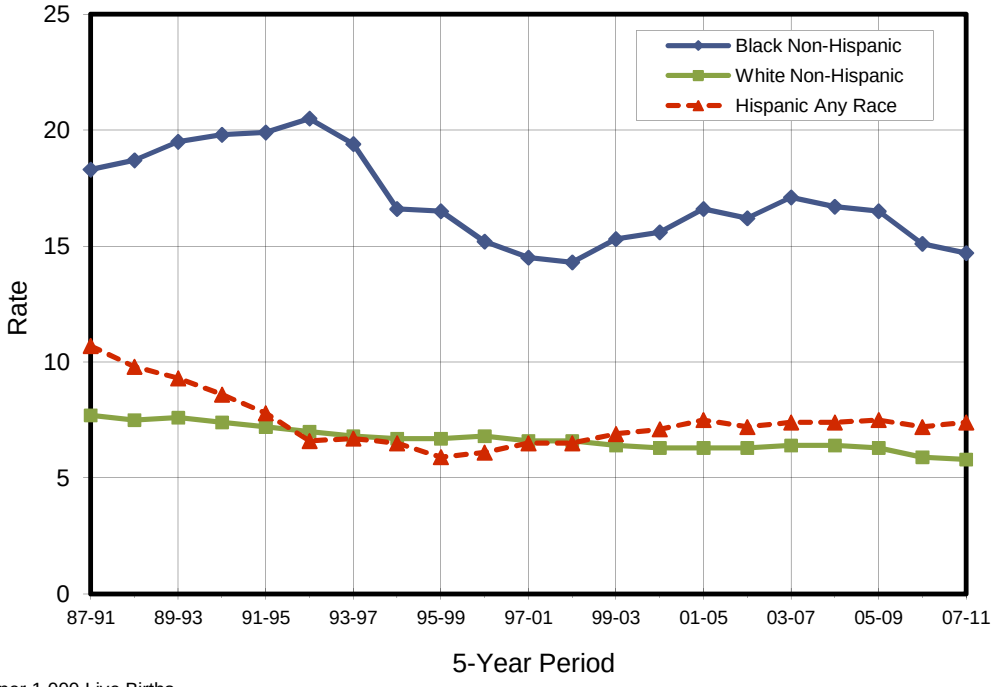
County of Residence	Total	Perinatal Period III Deaths		County of Residence	Total	Perinatal Period III Deaths	
		Stillbirths	Hebdomadal Deaths			Stillbirths	Hebdomadal Deaths
Kansas	309	188	121				
Allen	2	0	2	Lyon	1	0	1
Anderson	0	0	0	McPherson	2	0	2
Atchison	2	0	2	Marion	3	2	1
Barber	0	0	0	Marshall	5	1	4
Barton	6	2	4	Meade	1	1	0
Bourbon	1	1	0	Miami	4	3	1
Brown	3	1	2	Mitchell	0	0	0
Butler	3	3	0	Montgomery	3	3	0
Chase	0	0	0	Morris	1	0	1
Chautauqua	0	0	0	Morton	0	0	0
Cherokee	1	0	1	Nemaha	1	1	0
Cheyenne	0	0	0	Neosho	1	1	0
Clark	1	0	1	Ness	0	0	0
Clay	0	0	0	Norton	1	1	0
Cloud	1	1	0	Osage	0	0	0
Coffey	2	0	2	Osborne	0	0	0
Comanche	0	0	0	Ottawa	0	0	0
Cowley	7	5	2	Pawnee	0	0	0
Crawford	3	3	0	Phillips	0	0	0
Decatur	0	0	0	Pottawatomie	1	1	0
Dickinson	1	0	1	Pratt	2	1	1
Doniphan	0	0	0	Rawlins	0	0	0
Douglas	6	5	1	Reno	9	6	3
Edwards	1	0	1	Republic	0	0	0
Elk	1	1	0	Rice	1	1	0
Ellis	3	0	3	Riley	5	4	1
Ellsworth	0	0	0	Rooks	1	1	0
Finney	5	5	0	Rush	0	0	0
Ford	7	5	2	Russell	0	0	0
Franklin	2	2	0	Saline	8	5	3
Geary	9	5	4	Scott	0	0	0
Gove	0	0	0	Sedgwick	63	39	24
Graham	0	0	0	Seward	5	5	0
Grant	1	1	0	Shawnee	20	14	6
Gray	0	0	0	Sheridan	0	0	0
Greeley	0	0	0	Sherman	1	0	1
Greenwood	1	1	0	Smith	0	0	0
Hamilton	0	0	0	Stafford	0	0	0
Harper	0	0	0	Stanton	0	0	0
Harvey	2	2	0	Stevens	1	1	0
Haskell	1	0	1	Sumner	2	1	1
Hodgeman	0	0	0	Thomas	0	0	0
Jackson	0	0	0	Trego	0	0	0
Jefferson	1	0	1	Wabaunsee	1	0	1
Jewell	0	0	0	Wallace	0	0	0
Johnson	44	25	19	Washington	1	1	0
Kearny	2	1	1	Wichita	0	0	0
Kingman	2	1	1	Wilson	3	2	1
Kiowa	0	0	0	Woodson	0	0	0
Labette	1	0	1	Wyandotte	33	19	14
Lane	0	0	0				
Leavenworth	6	3	3				
Lincoln	0	0	0				
Linn	0	0	0				
Logan	1	1	0				

Table 48
Infant Mortality Rates*
by Population Group
Kansas, 1992-2011

Year	White Non-Hispanic†			Black Non-Hispanic†			Hispanic Any Race			Total Infant Death Rate: All Races‡
	Live Births	Infant Deaths	Rate	Live Births	Infant Deaths	Rate	Live Births	Infant Deaths	Rate	
1992	31,294	234	7.5	3,291	72	21.9	2,223	19	8.5	8.8
1993	30,650	224	7.3	3,206	76	23.7	2,305	18	7.8	8.7
1994	30,453	215	7.1	3,101	49	15.8	2,656	15	5.6	7.6
1995	30,221	184	6.1	2,850	51	17.9	2,812	17	6.0	6.9
1996	29,473	212	7.2	2,738	63	23.0	3,198	18	5.6	8.2
1997	29,659	189	6.4	2,766	46	16.6	3,525	29	8.2	7.4
1998	30,389	209	6.9	2,746	27	9.8	3,873	25	6.5	6.9
1999	30,362	215	7.1	2,815	42	14.9	4,204	15	3.6	7.3
2000	30,538	192	6.3	2,822	33	11.7	4,742	32	6.7	6.7
2001	29,703	190	6.4	2,745	54	19.7	4,875	36	7.4	7.3
2002	29,811	187	6.3	2,845	44	15.5	5,006	40	8.0	7.2
2003	29,482	172	5.8	2,730	40	14.7	5,417	45	8.3	6.7
2004	29,624	200	6.8	2,782	46	16.5	5,458	28	5.1	7.2
2005	28,903	181	6.3	2,670	45	16.9	6,073	52	8.6	7.5
2006	29,392	181	6.2	2,801	49	17.5	6,568	41	6.2	7.2
2007	30,170	205	6.8	2,856	56	19.6	6,676	56	8.4	7.9
2008	29,863	184	6.2	2,936	39	13.3	6,781	57	8.4	7.2
2009	29,471	178	6.0	2,830	44	15.5	6,790	40	5.9	7.0
2010	29,000	142	4.9	2,780	33	11.9	6,407	50	7.8	6.3
2011	28,382	150	5.3	2,708	35	12.9	6,293	42	6.7	6.2

*Rate per 1,000 live births
†Due to changes in the collection of the race item on certificates, use caution when comparing 2005-2011 data to prior years. See Technical Notes.
‡Other non-Hispanic data is not given a separate column in this table due to the small numbers but is included in the total, and is available upon request.

Infant Mortality Rates
by Population Group
Kansas, Five Year Rolling Averages, 1987-2011



Rate per 1,000 Live Births

Figure 27

Table 49
Infant Deaths by County of Residence
And by Peer Group*
Kansas, 2007-2011

County of Residence	Year 2007	2008	2009	2010	2011	Total Infant Deaths 2007-2011	Infant Death Rate† 2007-2011
Kansas	333	303	290	253	247	1,426	6.9
Allen	4	1	1	0	2	8	9.7
Anderson	0	1	1	0	0	2	3.6
Atchison	1	1	2	1	3	8	7.4
Barber	1	0	0	0	0	1	3.1
Barton	3	2	1	3	6	15	7.9
Bourbon	1	3	1	2	1	8	7.1
Brown	1	3	0	0	3	7	9.5
Butler	6	6	3	8	3	26	6.5
Chase	0	0	0	0	0	0	0.0
Chautauqua	0	1	1	1	1	4	21.9
Cherokee	3	3	1	2	3	12	9.2
Cheyenne	0	0	1	0	0	1	7.4
Clark	0	0	0	0	1	1	7.9
Clay	1	1	3	1	1	7	13.1
Cloud	3	5	0	1	1	10	16.1
Coffey	2	1	0	1	2	6	13.5
Comanche	0	0	0	0	0	0	0.0
Cowley	11	3	4	5	4	27	11.2
Crawford	7	3	2	2	2	16	6.0
Decatur	0	1	0	0	0	1	7.9
Dickinson	0	1	1	1	2	5	4.0
Doniphan	1	0	0	0	0	1	2.3
Douglas	10	12	1	4	1	28	4.5
Edwards	0	0	0	0	1	1	5.3
Elk	0	0	1	0	0	1	6.8
Ellis	0	1	1	1	5	8	4.1
Ellsworth	0	0	0	0	0	0	0.0
Finney	5	5	6	2	2	20	5.3
Ford	2	9	5	7	5	28	8.1
Franklin	4	3	1	1	2	11	6.5
Geary	6	11	10	9	8	44	9.9
Gove	0	0	0	0	0	0	0.0
Graham	0	0	1	0	0	1	7.5
Grant	2	1	0	0	0	3	4.4
Gray	0	0	1	0	1	2	4.3
Greeley	0	0	0	0	0	0	0.0
Greenwood	1	1	0	0	0	2	5.6
Hamilton	0	0	0	0	0	0	0.0
Harper	0	1	1	1	0	3	8.1
Harvey	2	2	4	3	2	13	5.7
Haskell	1	1	1	2	1	6	18.2
Hodgeman	0	0	0	0	0	0	0.0
Jackson	1	1	1	1	1	5	6.0
Jefferson	3	0	1	4	2	10	10.1
Jewell	0	0	0	0	0	0	0.0
Johnson	47	56	41	31	36	211	5.5
Kearny	1	0	1	0	1	3	10.0
Kingman	0	0	0	0	2	2	4.6
Kiowa	0	0	2	1	0	3	21.4
Labette	1	2	3	4	3	13	9.0
Lane	2	0	0	0	0	2	20.6
Leavenworth	3	4	5	4	3	19	4.0
Lincoln	1	0	0	0	0	1	5.3
Linn	0	0	0	0	0	0	0.0
Logan	0	0	1	1	0	2	13.9

Table 49
Infant Deaths by County of Residence
And by Peer Group*
Kansas, 2007-2011

County of Residence	Year 2007	2008	2009	2010	2011	Total Infant Deaths 2007-2011	Infant Death Rate† 2007-2011
Lyon	4	3	5	4	4	20	8.4
McPherson	1	2	5	2	4	14	8.2
Marion	3	1	5	2	1	12	20.7
Marshall	0	1	1	1	4	7	11.7
Meade	2	0	0	0	1	3	9.9
Miami	3	1	2	4	1	11	5.6
Mitchell	0	2	1	1	0	4	11.1
Montgomery	2	1	2	0	3	8	3.3
Morris	0	0	0	0	1	1	3.3
Morton	1	0	0	0	0	1	4.5
Nemaha	1	1	1	0	1	4	6.2
Neosho	2	2	7	3	0	14	12.9
Ness	0	0	0	0	0	0	0.0
Norton	0	0	0	0	0	0	0.0
Osage	1	0	1	0	1	3	3.2
Osborne	1	0	0	0	1	2	9.8
Ottawa	1	0	0	1	0	2	6.2
Pawnee	2	0	1	0	0	3	7.9
Phillips	1	0	0	0	0	1	3.6
Pottawatomie	4	3	1	2	1	11	6.2
Pratt	0	1	1	1	1	4	6.1
Rawlins	0	1	0	1	1	3	27.5
Reno	6	6	7	7	7	33	8.1
Republic	1	0	0	0	0	1	4.3
Rice	1	0	0	1	1	3	4.9
Riley	6	5	12	4	2	29	5.3
Rooks	0	1	1	0	0	2	6.1
Rush	0	0	0	0	1	1	6.4
Russell	2	0	1	3	1	7	16.1
Saline	9	8	5	6	4	32	7.9
Scott	2	0	2	1	0	5	14.2
Sedgwick	76	55	69	60	52	312	7.7
Seward	2	6	0	2	0	10	3.9
Shawnee	25	22	25	16	17	105	8.3
Sheridan	0	0	0	0	0	0	0.0
Sherman	2	0	0	0	1	3	7.7
Smith	0	0	0	0	0	0	0.0
Stafford	0	0	0	0	0	0	0.0
Stanton	0	1	0	0	0	1	5.7
Stevens	0	1	0	0	0	1	2.2
Sumner	2	1	2	1	3	9	6.1
Thomas	0	5	3	0	0	8	15.0
Trego	1	0	0	0	0	1	6.7
Wabaunsee	1	0	0	0	1	2	4.7
Wallace	0	0	0	0	0	0	0.0
Washington	0	0	0	0	0	0	0.0
Wichita	0	1	0	0	0	1	6.8
Wilson	1	0	1	2	1	5	7.8
Woodson	0	1	0	1	0	2	11.2
Wyandotte	30	25	19	23	20	117	8.3
Peer Group							
Frontier	10	4	7	4	9	34	6.1
Rural	30	31	27	20	23	131	8.2
Densely -Settled Rural	47	45	43	47	52	234	7.2
Semi-Urban	58	53	58	44	34	247	6.6
Urban	188	170	155	138	129	780	6.9

* See Technical Notes for Peer Group definition.
† Rate per 1,000 live births.

Table 50
Infant Deaths by Cause of Death and Age-Group of Infant
Kansas, 2011

Cause of Death (ICD-10 Code)	Age-Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days *	7-27 Days	Under 28 Days †	28-364 Days	Under 1 Year
All Causes	99	22	121	36	157	90	247
Infectious and Parasitic Diseases (A00-B99)	0	0	0	0	0	4	4
Other Diseases and Disorders (C00-O99)	0	2	2	4	6	15	21
Certain Conditions Originating in the Perinatal Period (P00-P96)	78	11	89	16	105	4	109
-Maternal Factors and Compl. of Pregnancy, Labor and Delivery (P00-P04)	23	3	26	1	27	1	28
-Disorders Relating to Short Gestation and Low Birth Weight (P07)	46	1	47	1	48	1	49
-Birth Trauma (P10-P15)	0	0	0	0	0	0	0
-Hypoxia and Birth Asphyxia (P20-P21)	1	1	2	1	3	0	3
-Respiratory Distress of Newborn (P22)	1	0	1	0	1	0	1
-Congenital Pneumonia (P23)	0	0	0	2	2	0	2
-Other Respiratory Conditions of Newborn (P24-P28)	1	1	2	0	2	0	2
-Bacterial Sepsis of Newborn (P36)	1	1	2	1	3	0	3
-Omphalitis of Newborn w/wo Mild Hemorrhage (P38)	0	0	0	0	0	0	0
-Hemorrhagic and Hematolog. Disorders of Fetus and Newborn (P50-P61)	0	1	1	2	3	0	3
-Other Perinatal Conditions (P05, P08, P29, P35, P37, P39, P70-P96)	5	3	8	8	16	2	18
Congenital Anomalies (Q00-Q99)	19	9	28	10	38	21	59
Symptoms and Abnormal Findings (R00-R99)	1	0	1	5	6	31	37
-Sudden Infant Death Syndrome (R95)	0	0	0	2	2	24	26
-Other (R00-R94, R96-R99)	1	0	1	3	4	7	11
External Causes of Mortality (V01-Y89)	1	0	1	1	2	15	17

* Hebdomadal Deaths
† Neonatal Deaths

Infant Deaths by Component

Kansas, 1992-2011

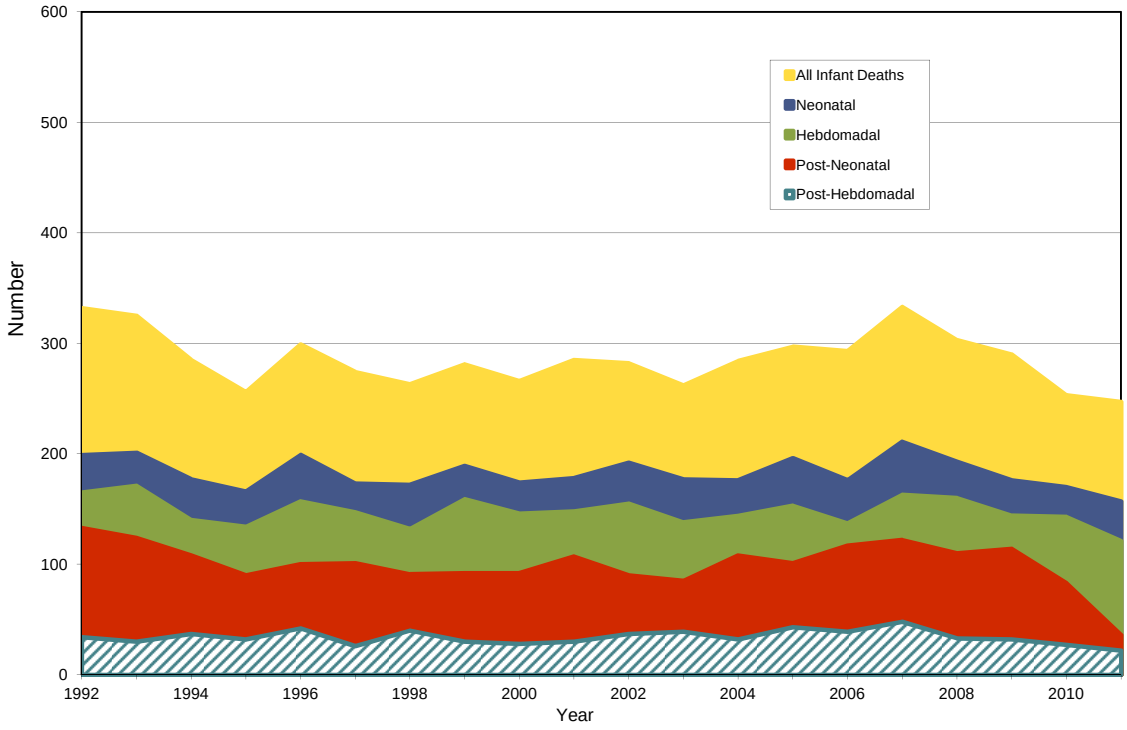


Figure 28

Pregnancy Associated Deaths*

Kansas, 2007-2011

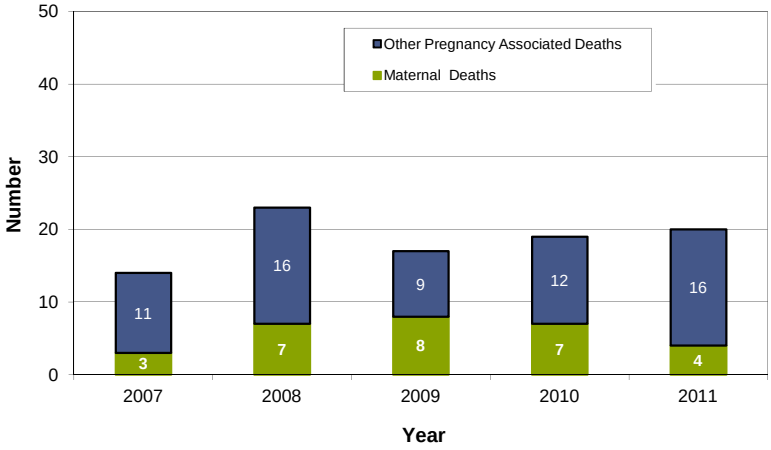


Figure 29

*See Technical Notes for Pregnancy Associated Deaths and Maternal Mortality definitions

Table 51
Infant Deaths by Component
by County of Residence
Kansas, 2011

County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Kansas	121	36	157	90	247
Allen	2	0	2	0	2
Anderson	0	0	0	0	0
Atchison	2	0	2	1	3
Barber	0	0	0	0	0
Barton	4	1	5	1	6
Bourbon	0	0	0	1	1
Brown	2	0	2	1	3
Butler	0	0	0	3	3
Chase	0	0	0	0	0
Chautauqua	0	1	1	0	1
Cherokee	1	0	1	2	3
Cheyenne	0	0	0	0	0
Clark	1	0	1	0	1
Clay	0	0	0	1	1
Cloud	0	1	1	0	1
Coffey	2	0	2	0	2
Comanche	0	0	0	0	0
Cowley	2	0	2	2	4
Crawford	0	0	0	2	2
Decatur	0	0	0	0	0
Dickinson	1	0	1	1	2
Doniphan	0	0	0	0	0
Douglas	1	0	1	0	1
Edwards	1	0	1	0	1
Elk	0	0	0	0	0
Ellis	3	1	4	1	5
Ellsworth	0	0	0	0	0
Finney	0	0	0	2	2
Ford	2	1	3	2	5
Franklin	0	1	1	1	2
Geary	4	1	5	3	8
Gove	0	0	0	0	0
Graham	0	0	0	0	0
Grant	0	0	0	0	0
Gray	0	1	1	0	1
Greeley	0	0	0	0	0
Greenwood	0	0	0	0	0
Hamilton	0	0	0	0	0
Harper	0	0	0	0	0
Harvey	0	1	1	1	2
Haskell	1	0	1	0	1
Hodgeman	0	0	0	0	0
Jackson	0	0	0	1	1
Jefferson	1	0	1	1	2
Jewell	0	0	0	0	0
Johnson	19	5	24	12	36
Kearny	1	0	1	0	1
Kingman	1	0	1	1	2
Kiowa	0	0	0	0	0
Labette	1	0	1	2	3
Lane	0	0	0	0	0
Leavenworth	3	0	3	0	3
Lincoln	0	0	0	0	0
Linn	0	0	0	0	0
Logan	0	0	0	0	0

Table 51
Infant Deaths by Component
by County of Residence
Kansas, 2011

County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Lyon	1	1	2	2	4
McPherson	2	2	4	0	4
Marion	1	0	1	0	1
Marshall	4	0	4	0	4
Meade	0	1	1	0	1
Miami	1	0	1	0	1
Mitchell	0	0	0	0	0
Montgomery	0	0	0	3	3
Morris	1	0	1	0	1
Morton	0	0	0	0	0
Nemaha	0	0	0	1	1
Neosho	0	0	0	0	0
Ness	0	0	0	0	0
Norton	0	0	0	0	0
Osage	0	0	0	1	1
Osborne	0	0	0	1	1
Ottawa	0	0	0	0	0
Pawnee	0	0	0	0	0
Phillips	0	0	0	0	0
Pottawatomie	0	1	1	0	1
Pratt	1	0	1	0	1
Rawlins	0	0	0	1	1
Reno	3	0	3	4	7
Republic	0	0	0	0	0
Rice	0	0	0	1	1
Riley	1	0	1	1	2
Rooks	0	0	0	0	0
Rush	0	1	1	0	1
Russell	0	1	1	0	1
Saline	3	1	4	0	4
Scott	0	0	0	0	0
Sedgwick	24	10	34	18	52
Seward	0	0	0	0	0
Shawnee	6	3	9	8	17
Sheridan	0	0	0	0	0
Sherman	1	0	1	0	1
Smith	0	0	0	0	0
Stafford	0	0	0	0	0
Stanton	0	0	0	0	0
Stevens	0	0	0	0	0
Sumner	1	0	1	2	3
Thomas	0	0	0	0	0
Trego	0	0	0	0	0
Wabaunsee	1	0	1	0	1
Wallace	0	0	0	0	0
Washington	0	0	0	0	0
Wichita	0	0	0	0	0
Wilson	1	0	1	0	1
Woodson	0	0	0	0	0
Wyandotte	14	1	15	5	20

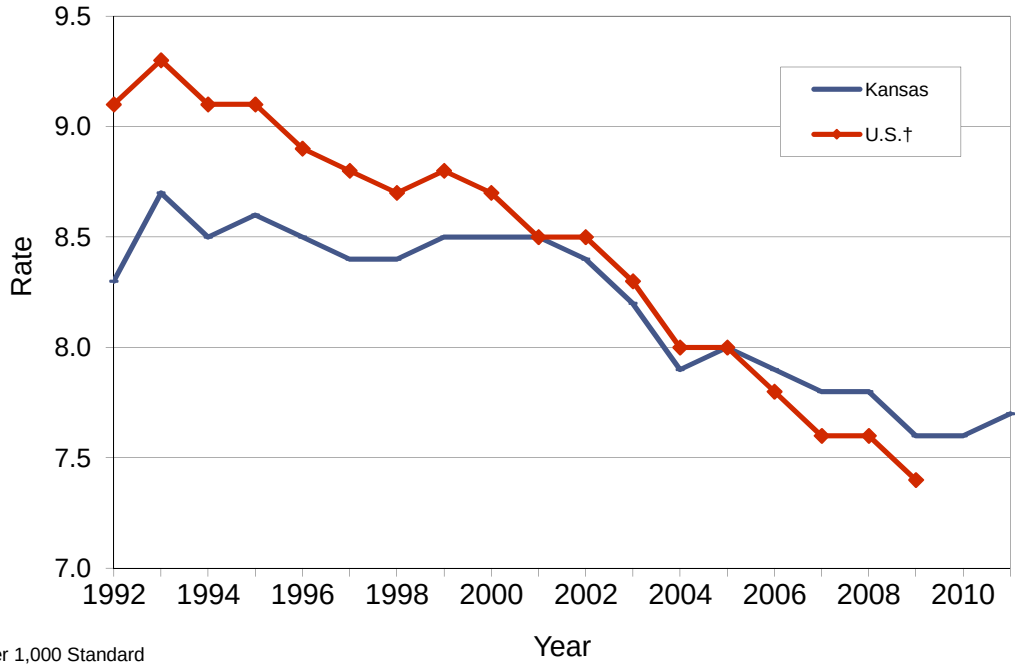
Table 52
Age-Specific Death Rates* by Sex
Kansas, 1992-2011

Age-Group and Sex	Year																			
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Both Sexes																				
Total	8.7	9.2	9.0	9.2	9.2	9.0	9.1	9.2	9.2	9.1	9.2	9.0	8.7	9.0	8.9	8.8	8.9	8.5	8.6	8.7
Under 1	8.9	8.9	7.8	7.1	8.4	7.5	7.1	7.5	7.0	7.5	7.4	6.8	7.3	7.7	7.4	8.2	7.1	7.0	6.2	6.2
1-4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.3	0.4	0.3
5-14	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
15-24	0.9	0.9	1.0	0.9	1.0	0.9	0.9	0.8	0.8	0.9	0.9	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.8	0.7
25-34	1.0	1.1	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	1.0	0.9	1.1	0.9	0.9	1.1	1.1	1.1
35-44	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.8	2.0	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.8
45-54	3.8	3.7	3.7	3.9	3.5	3.7	3.6	3.8	3.6	3.9	4.0	4.0	4.1	4.1	4.0	4.2	3.9	4.1	4.0	4.1
55-64	10.0	10.4	9.6	9.8	10.1	9.7	9.4	9.9	9.3	9.6	9.1	9.0	8.6	8.9	8.6	8.3	8.6	8.6	8.5	8.6
65-74	23.4	24.5	24.1	24.5	24.4	23.4	23.7	24.0	23.1	22.9	22.4	21.6	20.9	21.5	21.3	20.0	20.5	20.1	18.9	19.1
75-84	53.6	57.2	55.5	55.9	54.2	54.4	54.1	54.7	55.9	55.7	55.7	54.6	52.8	54.0	53.5	53.4	53.2	50.1	48.4	48.8
85 and over	142.8	153.3	150.2	154.9	153.4	152.3	154.3	154.2	160.5	154.5	154.6	149.7	140.4	142.3	137.8	138.0	138.6	133.4	144.8	145.9
Male	8.8	9.3	9.0	9.2	9.1	9.1	8.9	8.9	8.8	8.8	8.8	8.5	8.3	8.7	8.5	8.6	8.7	8.4	8.6	8.6
Under 1	9.8	9.0	9.0	7.7	9.4	8.3	7.7	8.7	7.5	8.4	7.6	8.0	8.1	8.1	8.3	9.0	7.8	7.0	7.2	6.8
1-4	0.5	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.4
5-14	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15-24	1.2	1.3	1.4	1.2	1.4	1.3	1.3	1.2	1.2	1.3	1.2	1.0	1.0	1.0	1.0	1.1	1.2	0.9	1.1	1.1
25-34	1.4	1.6	1.8	1.6	1.6	1.4	1.5	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.5	1.3	1.3	1.5	1.5	1.4
35-44	2.2	2.1	2.1	2.3	2.3	2.0	2.2	2.0	2.1	2.2	2.5	2.3	2.2	2.2	2.1	2.0	2.1	2.0	2.0	2.2
45-54	4.8	4.7	4.7	4.9	4.3	4.7	4.6	4.6	4.5	4.9	4.9	4.8	5.2	5.1	5.1	5.1	4.9	4.9	5.1	4.8
55-64	13.0	13.1	12.2	12.3	12.3	12.3	11.5	11.9	11.1	11.9	11.1	11.1	10.6	10.9	10.3	10.2	10.7	10.8	10.6	10.5
65-74	30.9	32.0	31.6	30.7	30.8	30.3	30.3	30.5	27.8	28.1	27.6	26.4	25.3	25.9	25.2	24.4	24.3	24.3	23.2	23.1
75-84	69.1	75.9	70.2	73.4	70.3	71.0	68.0	67.8	70.3	69.2	67.3	65.3	62.0	64.5	65.0	65.1	64.8	59.6	58.3	57.0
85 and over	171.4	179.9	176.6	179.4	178.3	175.1	173.6	170.2	187.4	179.6	174.5	163.6	148.4	156.1	149.3	153.9	156.8	156.8	161.9	159.0
Female	8.7	9.2	9.1	9.3	9.2	9.0	9.2	9.4	9.5	9.4	9.6	9.4	9.0	9.2	9.2	9.0	9.1	8.6	8.5	8.9
Under 1	8.0	8.8	6.6	6.5	7.4	6.7	6.4	6.3	6.4	6.5	7.1	5.6	6.5	7.2	6.5	7.4	6.5	7.0	5.2	5.5
1-4	0.5	0.3	0.4	0.3	0.5	0.2	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.4	0.2	0.3	0.2
5-14	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1
15-24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	0.4
25-34	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.5	0.6	0.5	0.5	0.7	0.5	0.6	0.6	0.6	0.8	0.6	0.7
35-44	1.1	1.2	1.2	1.0	1.1	1.3	1.1	1.2	1.3	1.4	1.5	1.4	1.3	1.5	1.5	1.4	1.2	1.3	1.2	1.4
45-54	2.9	2.8	2.9	3.0	2.7	2.6	2.6	2.9	2.7	3.0	3.0	3.1	3.0	3.1	3.0	3.2	2.9	3.2	3.0	3.4
55-64	7.2	7.8	7.3	7.4	8.0	7.2	7.3	8.0	7.6	7.5	7.3	7.0	6.7	7.0	7.0	6.4	6.6	6.4	6.4	6.6
65-74	17.3	18.5	18.0	19.4	19.2	17.6	18.2	18.7	19.2	18.6	18.1	17.6	17.3	17.7	17.9	16.3	17.1	16.4	15.2	15.6
75-84	44.2	45.6	46.4	44.9	43.9	43.7	45.1	46.0	46.4	46.9	47.8	47.2	46.2	46.4	45.5	45.3	45.1	43.4	41.2	42.8
85 and over	131.9	143.1	140.0	145.3	143.5	143.1	146.4	147.5	150.0	144.7	146.5	143.9	136.9	136.1	132.7	131.0	130.4	123.3	136.5	139.4

*Rate per 1,000 age-group population
Rates may differ from those published in reports prior to 1999.

Age-Adjusted Death Rates*

Kansas and the U.S., 1992-2011



*Rate per 1,000 Standard U.S. 2000 Population

† 2010-2011 Rates Not Available

Figure 30

Table 53
Age-Adjusted Death Rates* by Sex
Kansas and the U.S., 1992-2011

Year	Kansas			U.S.		
	Total	Male	Female	Total	Male	Female
1992.....	8.3	10.5	6.7	9.1	11.6	7.3
1993.....	8.7	11.0	7.1	9.3	11.8	7.5
1994.....	8.5	10.6	7.0	9.1	11.6	7.4
1995.....	8.6	10.8	7.1	9.1	11.4	7.4
1996.....	8.5	10.6	7.0	8.9	11.2	7.3
1997.....	8.4	10.5	6.8	8.8	10.9	7.3
1998.....	8.4	10.3	6.9	8.7	10.7	7.2
1999.....	8.5	10.2	7.2	8.8	10.7	7.3
2000.....	8.5	10.3	7.2	8.7	10.5	7.3
2001.....	8.5	10.3	7.1	8.5	10.3	7.2
2002.....	8.4	10.1	7.2	8.5	10.1	7.2
2003.....	8.2	9.7	7.0	8.3	9.9	7.1
2004.....	7.9	9.2	6.8	8.0	9.6	6.8
2005.....	8.0	9.5	6.9	8.0	9.5	6.8
2006.....	7.9	9.3	6.8	7.8	9.2	6.6
2007.....	7.8	9.3	6.6	7.6	9.1	6.4
2008.....	7.8	9.4	6.6	7.6	9.0	6.4
2009.....	7.6	9.1	6.4	7.4	8.9	6.3
2010.....	7.6	9.1	6.4	n.a.	n.a.	n.a.
2011.....	7.7	9.0	6.6	n.a.	n.a.	n.a.

* Rate per 1,000 standard U.S. 2000 population (see Technical Notes)
Rates will differ from those published prior to 1999 because they have been recalculated using the 2000 U.S. standard population.

Table 54
Deaths by Age-Group and Average Age at Death
by County of Residence
Kansas, 2011

County of Residence	Total	Age-Group												Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	N.S.	
Kansas	25,114	247	46	62	297	413	615	1,625	2,965	3,729	6,152	8,961	2	74.4
Allen	194	2	0	0	1	1	5	18	20	30	49	68	0	74.6
Anderson	106	0	0	0	2	0	5	6	11	16	26	40	0	76.0
Atchison	186	3	0	0	5	6	3	11	19	28	49	62	0	73.2
Barber	54	0	0	1	1	2	2	3	4	8	16	17	0	73.1
Barton	330	6	1	1	6	11	8	19	28	45	96	109	0	72.8
Bourbon	179	1	0	0	5	4	4	16	18	25	42	64	0	73.6
Brown	139	3	0	0	1	2	4	8	11	24	35	51	0	74.7
Butler	589	3	1	2	4	6	9	25	80	82	154	223	0	76.0
Chase	34	0	0	0	0	0	1	1	2	12	8	10	0	76.4
Chautauqua	64	1	0	0	0	0	0	2	2	12	25	22	0	78.8
Cherokee	280	3	0	1	6	2	10	25	34	50	76	73	0	71.7
Cheyenne	39	0	0	0	0	0	0	4	3	8	8	16	0	77.3
Clark	38	1	0	0	0	0	0	1	0	1	10	25	0	83.2
Clay	106	1	0	0	0	1	2	5	9	15	21	52	0	79.2
Cloud	129	1	0	1	3	4	1	2	13	15	25	64	0	77.7
Coffey	107	2	0	0	4	1	5	6	12	16	20	41	0	72.3
Comanche	29	0	0	0	0	1	2	4	0	3	8	11	0	74.1
Cowley	453	4	2	1	4	5	5	25	49	73	130	155	0	75.8
Crawford	430	2	2	0	7	9	5	25	42	68	105	164	1	76.0
Decatur	68	0	0	0	1	3	1	3	8	6	23	23	0	75.4
Dickinson	245	2	0	0	0	2	3	11	27	36	63	101	0	77.8
Doniphan	82	0	0	0	1	1	1	2	9	16	21	31	0	77.2
Douglas	590	1	0	2	12	13	22	33	84	85	135	203	0	73.4
Edwards	44	1	0	0	1	0	2	1	3	6	8	22	0	76.3
Elk	39	0	0	0	0	0	1	5	2	6	13	12	0	76.5
Ellis	233	5	0	0	4	6	6	11	23	29	51	98	0	75.0
Ellsworth	80	0	0	0	1	0	2	1	5	17	22	32	0	80.3
Finney	190	2	1	1	6	11	9	18	29	25	33	55	0	67.2
Ford	234	5	3	1	3	6	4	17	21	35	60	79	0	72.1
Franklin	232	2	1	3	1	3	6	14	32	34	48	88	0	74.1
Geary	196	8	0	1	5	8	8	22	27	20	51	46	0	66.5
Gove	39	0	0	0	2	0	1	0	3	6	11	16	0	77.2
Graham	32	0	0	0	0	2	0	4	3	6	6	11	0	72.3
Grant	45	0	0	0	0	0	1	2	5	6	18	13	0	77.4
Gray	43	1	0	0	0	0	1	4	3	5	9	20	0	77.4
Greeley	12	0	0	0	0	0	0	2	1	0	4	5	0	78.7
Greenwood	88	0	0	0	1	2	3	3	8	18	20	33	0	76.6
Hamilton	33	0	0	0	1	1	2	1	2	3	4	19	0	78.5
Harper	96	0	0	1	1	0	1	4	6	20	28	35	0	76.7
Harvey	379	2	3	1	3	5	3	17	42	39	91	173	0	77.9
Haskell	29	1	0	0	1	0	1	2	3	3	7	11	0	73.1
Hodgeman	17	0	0	0	0	1	0	1	1	2	7	5	0	76.7
Jackson	136	1	0	0	0	1	6	10	15	24	31	48	0	74.5
Jefferson	182	2	0	1	4	5	4	14	23	32	40	57	0	71.7
Jewell	46	0	0	0	0	0	1	1	4	6	16	18	0	79.7
Johnson	3,443	36	4	8	33	49	66	166	380	428	871	1,402	0	76.3
Kearny	49	1	0	0	1	2	3	4	3	6	11	18	0	72.1
Kingman	90	2	0	0	0	2	1	4	9	8	25	39	0	77.6
Kiowa	29	0	0	1	1	0	0	1	6	5	6	9	0	71.9
Labette	269	3	1	1	3	4	5	20	35	44	62	91	0	73.2
Lane	32	0	0	0	0	0	1	1	3	7	6	14	0	78.7
Leavenworth	566	3	0	0	6	12	21	45	70	107	128	174	0	72.7
Lincoln	52	0	0	0	0	0	2	3	3	6	9	29	0	80.3
Linn	107	0	1	0	1	0	2	4	9	25	24	41	0	76.8
Logan	34	0	0	0	0	0	2	2	6	7	5	12	0	74.8

Table 54
Deaths by Age-Group and Average Age at Death
by County of Residence
Kansas, 2011

County of Residence	Total	Age-Group												Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	N.S.	
Lyon	330	4	2	2	8	6	10	26	35	51	63	123	0	72.7
McPherson	374	4	0	0	1	6	3	19	37	47	86	171	0	77.9
Marion	185	1	0	0	2	0	2	7	13	27	45	88	0	79.7
Marshall	131	4	0	0	1	0	3	4	10	10	28	71	0	79.2
Meade	54	1	0	0	0	1	2	3	3	7	15	22	0	76.3
Miami	261	1	1	0	5	5	9	27	28	41	62	82	0	72.7
Mitchell	75	0	0	0	2	0	2	3	7	7	23	31	0	77.6
Montgomery	467	3	1	2	0	9	12	33	50	79	100	178	0	74.7
Morris	88	1	0	0	0	1	1	3	8	18	24	32	0	77.2
Morton	50	0	0	0	0	1	2	2	8	6	7	24	0	77.9
Nemaha	142	1	1	0	0	1	2	4	13	15	38	67	0	79.4
Neosho	220	0	0	0	0	3	6	13	23	37	54	84	0	76.5
Ness	42	0	1	0	0	0	0	1	3	3	7	27	0	81.7
Norton	51	0	1	0	3	0	0	3	1	11	17	15	0	74.5
Osage	175	1	0	2	0	3	4	16	19	33	44	53	0	73.3
Osborne	63	1	0	0	0	0	1	4	4	9	15	29	0	79.1
Ottawa	68	0	0	0	0	1	1	2	6	9	26	23	0	78.8
Pawnee	73	0	0	0	1	1	0	6	7	17	18	23	0	75.4
Phillips	94	0	0	0	2	0	2	3	9	14	22	42	0	77.5
Pottawatomie	137	1	0	0	1	4	4	10	19	12	42	44	0	74.3
Pratt	128	1	1	0	3	5	4	4	6	19	33	52	0	74.9
Rawlins	32	1	0	0	0	1	1	0	2	3	7	17	0	80.0
Reno	731	7	0	2	12	11	14	40	94	91	164	296	0	75.3
Republic	95	0	1	0	1	1	0	4	6	10	30	42	0	79.7
Rice	130	1	0	0	0	1	2	5	10	27	39	45	0	77.7
Riley	334	2	1	2	6	3	9	16	37	33	95	130	0	76.3
Rooks	63	0	0	0	0	1	1	5	8	9	15	24	0	76.8
Rush	50	1	0	0	3	0	0	3	6	6	12	19	0	73.3
Russell	91	1	0	0	1	0	2	3	11	13	17	43	0	77.9
Saline	527	4	2	0	3	7	22	35	58	88	140	168	0	74.0
Scott	65	0	0	2	1	2	2	4	4	14	15	21	0	72.7
Sedgwick	4,027	52	4	14	43	74	112	345	551	609	993	1,230	0	72.2
Seward	124	0	0	0	0	1	2	8	19	25	36	33	0	74.7
Shawnee	1,687	17	3	4	19	29	46	125	217	269	434	524	0	73.3
Sheridan	32	0	0	0	0	0	1	1	3	4	9	14	0	81.0
Sherman	78	1	0	0	0	3	3	5	5	9	24	28	0	75.2
Smith	60	0	0	0	0	1	0	3	2	11	8	35	0	80.7
Stafford	63	0	0	0	1	0	2	2	11	13	10	24	0	75.2
Stanton	16	0	1	0	0	0	0	0	4	1	9	1	0	69.5
Stevens	43	0	0	0	1	1	1	2	5	1	11	21	0	77.7
Sumner	290	3	2	0	1	4	6	19	41	41	71	102	0	74.5
Thomas	61	0	0	0	1	0	2	1	5	11	20	21	0	76.7
Trego	49	0	0	0	0	1	1	5	5	7	9	21	0	75.5
Wabaunsee	75	1	0	0	1	1	1	4	7	18	19	23	0	74.3
Wallace	17	0	0	0	0	0	0	1	3	3	4	6	0	77.9
Washington	70	0	0	0	0	0	1	2	6	8	11	42	0	82.7
Wichita	25	0	0	0	0	0	2	3	1	5	2	12	0	74.9
Wilson	115	1	1	0	1	1	5	7	10	18	30	41	0	74.2
Woodson	50	0	0	0	0	0	2	4	9	10	10	15	0	73.3
Wyandotte	1,338	20	3	4	31	29	42	121	246	240	269	332	1	68.9
N.S.	1	0	0	0	0	0	0	0	0	1	0	0	0	n/a

Table 55
Deaths by Population Group
by County of Residence
Kansas, 2011

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Kansas	25,114	22,581	1,228	180	150	244	699	32
Allen	194	185	7	0	0	0	2	0
Anderson	106	99	1	0	0	2	4	0
Atchison	186	177	5	1	0	1	2	0
Barber	54	54	0	0	0	0	0	0
Barton	330	306	3	4	0	4	13	0
Bourbon	179	175	4	0	0	0	0	0
Brown	139	122	1	14	1	0	1	0
Butler	589	559	4	0	4	16	6	0
Chase	34	33	0	1	0	0	0	0
Chautauqua	64	60	0	4	0	0	0	0
Cherokee	280	271	2	5	0	2	0	0
Cheyenne	39	39	0	0	0	0	0	0
Clark	38	38	0	0	0	0	0	0
Clay	106	104	1	0	1	0	0	0
Cloud	129	128	0	0	1	0	0	0
Coffey	107	106	0	0	0	0	1	0
Comanche	29	28	0	0	0	0	1	0
Cowley	453	418	13	12	0	1	8	1
Crawford	430	414	6	1	1	3	4	1
Decatur	68	68	0	0	0	0	0	0
Dickinson	245	237	2	0	0	4	2	0
Doniphan	82	80	0	1	0	0	1	0
Douglas	590	544	24	7	4	4	6	1
Edwards	44	39	0	0	0	0	5	0
Elk	39	39	0	0	0	0	0	0
Ellis	233	228	1	0	1	0	3	0
Ellsworth	80	80	0	0	0	0	0	0
Finney	190	132	2	2	2	2	50	0
Ford	234	191	3	0	2	0	35	3
Franklin	232	222	2	1	1	6	0	0
Geary	196	155	30	1	5	2	2	1
Gove	39	38	1	0	0	0	0	0
Graham	32	30	2	0	0	0	0	0
Grant	45	37	0	0	0	1	7	0
Gray	43	41	0	1	0	0	1	0
Greeley	12	12	0	0	0	0	0	0
Greenwood	88	86	0	0	0	0	2	0
Hamilton	33	31	0	0	0	0	2	0
Harper	96	94	0	1	0	0	1	0
Harvey	379	361	3	2	2	2	9	0
Haskell	29	26	0	0	0	0	3	0
Hodgeman	17	17	0	0	0	0	0	0
Jackson	136	120	0	14	0	0	2	0
Jefferson	182	177	3	1	0	0	0	1
Jewell	46	45	0	0	0	0	0	1
Johnson	3,443	3,215	88	10	30	28	69	3
Kearny	49	44	0	0	0	0	5	0
Kingman	90	88	1	0	0	1	0	0
Kiowa	29	29	0	0	0	0	0	0
Labette	269	256	7	2	1	1	2	0
Lane	32	32	0	0	0	0	0	0
Leavenworth	566	503	43	2	4	3	11	0
Lincoln	52	51	0	0	0	0	1	0
Linn	107	105	0	1	0	0	1	0
Logan	34	34	0	0	0	0	0	0

Table 55
Deaths by Population Group
by County of Residence
Kansas, 2011

County of Residence	Total	Population Group						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Islander Non-Hispanic	Other Non-Hispanic*	Hispanic Any Race	N.S.
Lyon	330	303	5	0	2	1	19	0
McPherson	374	365	1	3	0	3	2	0
Marion	185	180	1	0	1	0	1	2
Marshall	131	130	1	0	0	0	0	0
Meade	54	48	0	1	0	1	4	0
Miami	261	251	6	1	0	1	2	0
Mitchell	75	75	0	0	0	0	0	0
Montgomery	467	425	23	5	0	5	9	0
Morris	88	86	0	0	0	2	0	0
Morton	50	45	0	0	0	0	5	0
Nemaha	142	142	0	0	0	0	0	0
Neosho	220	215	1	1	0	0	3	0
Ness	42	42	0	0	0	0	0	0
Norton	51	50	0	0	1	0	0	0
Osage	175	171	1	1	0	2	0	0
Osborne	63	61	1	1	0	0	0	0
Ottawa	68	68	0	0	0	0	0	0
Pawnee	73	71	1	0	0	0	1	0
Phillips	94	93	0	0	0	0	1	0
Pottawatomie	137	128	0	1	0	5	3	0
Pratt	128	121	1	1	0	2	3	0
Rawlins	32	31	0	1	0	0	0	0
Reno	731	679	13	5	1	13	20	0
Republic	95	94	0	1	0	0	0	0
Rice	130	126	0	0	0	0	4	0
Riley	334	298	12	0	5	9	10	0
Rooks	63	63	0	0	0	0	0	0
Rush	50	50	0	0	0	0	0	0
Russell	91	88	1	1	0	1	0	0
Saline	527	487	11	2	5	4	17	1
Scott	65	64	0	0	0	0	1	0
Sedgwick	4,027	3,360	349	38	47	67	155	11
Seward	124	102	3	2	1	2	14	0
Shawnee	1,687	1,466	134	14	5	13	54	1
Sheridan	32	32	0	0	0	0	0	0
Sherman	78	74	0	0	1	0	3	0
Smith	60	60	0	0	0	0	0	0
Stafford	63	62	0	0	0	0	1	0
Stanton	16	13	0	0	0	0	3	0
Stevens	43	39	0	1	0	0	3	0
Sumner	290	280	0	0	1	2	7	0
Thomas	61	60	0	0	0	0	1	0
Trego	49	49	0	0	0	0	0	0
Wabaunsee	75	72	0	0	1	1	1	0
Wallace	17	17	0	0	0	0	0	0
Washington	70	70	0	0	0	0	0	0
Wichita	25	24	0	1	0	0	0	0
Wilson	115	108	2	0	1	3	1	0
Woodson	50	48	0	1	0	1	0	0
Wyandotte	1,338	792	402	10	18	23	88	5
N.S.	1	0	0	0	0	0	1	0

*Includes selection of two or more races or other non-specified race

Table 56
Deaths by Population Group and Sex, by Age-Group and Average Age at Death
Kansas, 2011

Population Group	Total	Age-Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	Average Age At Death
All Races	25,114	247	46	62	297	413	615	1,625	2,965	3,729	6,152	8,961	2	74.4
Male	12,254	140	31	36	227	276	380	942	1,803	2,121	3,053	3,245	0	70.7
Female	12,860	107	15	26	70	137	235	683	1,162	1,608	3,099	5,716	2	77.9
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
White Non-Hispanic	22,581	150	29	38	218	307	489	1,342	2,536	3,290	5,660	8,521	1	75.7
Male	10,937	87	21	22	164	203	305	779	1,547	1,891	2,837	3,081	0	72.1
Female	11,644	63	8	16	54	104	184	563	989	1,399	2,823	5,440	1	79.0
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Black Non-Hispanic	1,228	35	3	9	28	56	53	151	228	229	232	204	0	64.0
Male	609	18	1	5	23	36	29	79	131	118	100	69	0	60.6
Female	619	17	2	4	5	20	24	72	97	111	132	135	0	67.3
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Native American Non-Hispanic	180	5	0	1	1	3	11	12	38	38	37	34	0	67.3
Male	80	4	0	1	0	1	7	4	22	20	11	10	0	62.6
Female	100	1	0	0	1	2	4	8	16	18	26	24	0	71.0
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Asian/Pacific Non-Hispanic	150	5	1	0	4	4	8	9	22	33	32	32	0	67.0
Male	80	2	1	0	2	4	5	4	15	17	13	17	0	65.5
Female	70	3	0	0	2	0	3	5	7	16	19	15	0	68.8
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Other Non-Hispanic*	244	9	2	5	6	9	12	24	38	43	53	43	0	63.3
Male	118	5	2	3	3	6	8	16	17	21	23	14	0	58.7
Female	126	4	0	2	3	3	4	8	21	22	30	29	0	67.6
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Hispanic Any Race	699	42	11	9	39	33	40	82	96	87	137	123	0	58.9
Male	409	24	6	5	34	26	24	56	65	49	68	52	0	55.1
Female	290	18	5	4	5	7	16	26	31	38	69	71	0	64.4
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a
Not Stated	32	1	0	0	1	1	2	5	7	9	1	4	1	n/a
Male	21	0	0	0	1	0	2	4	6	5	1	2	0	n/a
Female	11	1	0	0	0	1	0	1	1	4	0	2	1	n/a
N.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a

* Includes selection of two or more races or other non-specified race

Table 57
Ten Leading Causes of Death by Sex, Population Group of Decedent
Kansas, 2011

Population Group	Total	Causes of Death										
		Malignant Neoplasms	Heart Disease	Chronic Lower Respiratory Diseases	Unintentional Injuries	Cerebro-vascular Disease	Alzheimer's Disease	Diabetes Mellitus	Pneumonia and Influenza	Nephritis, Nephrotic Syndrome, Nephrosis	Suicide	All Other Causes
Total	25,114	5,423	5,321	1,654	1,358	1,333	794	708	641	577	384	6,921
White Non-Hispanic	22,581	4,847	4,904	1,557	1,165	1,192	754	599	596	496	344	6,127
Black Non-Hispanic	1,228	291	232	38	68	65	19	54	18	49	9	385
Native American Non-Hispanic	180	43	24	17	11	11	3	10	3	3	2	53
Asian/Pacific Non-Hispanic	150	43	20	5	11	18	2	7	0	2	3	39
Other Non-Hispanic*	244	55	51	20	22	8	2	9	5	4	3	65
Hispanic Any Race	699	140	87	17	76	38	14	26	18	23	22	238
Not Stated	32	4	3	0	5	1	0	3	1	0	1	14
Male	12,254	2,813	2,675	812	818	517	239	360	290	290	309	3,131
White Non-Hispanic	10,937	2,526	2,448	766	686	452	224	304	269	262	278	2,722
Black Non-Hispanic	609	139	121	23	45	29	5	21	9	17	7	193
Native American Non-Hispanic	80	18	14	5	7	6	2	5	0	0	2	21
Asian/Pacific Non-Hispanic	80	19	11	2	6	11	2	6	0	1	3	19
Other Non-Hispanic*	118	28	32	8	12	2	0	5	1	1	1	28
Hispanic Any Race	409	81	47	8	58	17	6	18	11	9	17	137
Not Stated	21	2	2	0	4	0	0	1	0	0	1	11
Female	12,860	2,610	2,646	842	540	816	555	348	351	287	75	3,790
White Non-Hispanic	11,644	2,321	2,456	791	479	740	530	295	327	234	66	3,405
Black Non-Hispanic	619	152	111	15	23	36	14	33	9	32	2	192
Native American Non-Hispanic	100	25	10	12	4	5	1	5	3	3	0	32
Asian/Pacific Non-Hispanic	70	24	9	3	5	7	0	1	0	1	0	20
Other Non-Hispanic*	126	27	19	12	10	6	2	4	4	3	2	37
Hispanic Any Race	290	59	40	9	18	21	8	8	7	14	5	101
Not Stated	11	2	1	0	1	1	0	2	1	0	0	3
Not Stated	0	0	0	0	0	0	0	0	0	0	0	0

* Includes selection of two or more races or other non-specified race

Table 58
Selected Causes of Death by Age-Group
and Average Age at Death
Kansas, 2011

Selected Causes of Death (ICD-10 Code)	Total	Age-Group												Average Age at Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	
All Causes	25,114	247	46	62	297	413	615	1,625	2,965	3,729	6,152	8,961	2	74.4
Selected Causes	19,218	82	33	51	256	340	487	1,298	2,477	3,076	4,725	6,393	0	n.a.
Tuberculosis (A16-A19)	2	1	0	0	0	0	0	1	0	0	0	0	0	27.1
HIV/AIDS (B20-B24)	23	0	0	0	0	0	5	12	6	0	0	0	0	49.2
Malignant Neoplasms (C00-C97)	5,423	1	4	10	11	39	96	440	1,050	1,301	1,460	1,011	0	71.5
Diabetes mellitus (E10-E14)	708	0	0	0	0	11	15	72	114	130	187	179	0	72.7
Alzheimer's Disease (G30)	794	0	0	0	0	0	0	1	7	37	216	533	0	87.0
Prim. Hypertension/Hypertensive Renal Dis. and Sec. Hypertension (I10, I12, I15)	155	0	0	0	0	0	6	4	12	13	33	87	0	81.8
Heart Disease (I00-I09, I11, I13, I20-I51)	5,321	1	3	2	7	28	84	284	592	688	1,260	2,372	0	78.8
Cerebrovascular Disease (I60-I69)	1,333	1	2	3	3	4	16	44	98	154	359	649	0	80.5
Atherosclerosis (I70)	342	0	0	0	0	0	2	6	19	34	86	195	0	83.6
Pneumonia and Influenza (J09-J18)	641	3	0	0	1	3	12	18	40	58	137	369	0	82.3
Chronic Lower Respiratory Diseases (J40-J47)	1,654	0	0	3	0	3	7	56	183	363	579	460	0	76.7
Peptic Ulcer (K25-K28)	38	0	0	0	0	0	1	3	7	4	8	15	0	76.3
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	254	0	0	0	0	8	27	62	80	39	29	9	0	59.0
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)	577	0	0	0	1	2	5	23	53	90	178	225	0	78.7
Congenital Anomalies (Q00-Q99)	91	59	2	1	2	2	6	4	5	4	2	4	0	17.8
Unintentional Injuries (V01-X59, Y40-Y86, Y88)	1,358	13	19	28	130	152	124	174	142	134	164	278	0	56.7
Suicide (U03, X60-X84,Y87.0)	384	0	0	2	67	59	63	77	59	24	27	6	0	45.0
Homicide (U01-U02, X85-Y09,Y87.1)	120	3	3	2	34	29	18	17	10	3	0	1	0	33.4

Table 59
Ten Leading Causes of Death by Sex,
Number, Rate and Average Age at Death
Kansas, 2011

Leading Causes of Death (ICD-10 Code)	Number of Deaths				Cause-Specific Death Rate*			Average Age at Death†		
	Total	Male	Female	N.S.	Total	Male	Female	Total	Male	Female
All Causes	25,114	12,254	12,860	0	874.7	859.4	889.7	74.4	70.7	77.9
Malignant Neoplasms (C00-C97)	5,423	2,813	2,610	0	188.9	197.3	180.6	71.5	71.1	71.9
Heart Disease (I00-I09, I11, I13, I20-I51)	5,321	2,675	2,646	0	185.3	187.6	183.1	78.8	75.0	82.7
Chronic Lower Respiratory Diseases (J40-J47)	1,654	812	842	0	57.6	57.0	58.3	76.7	76.1	77.4
Unintentional Injuries (V01-X59, Y40-Y86,Y88)	1,358	818	540	0	47.3	57.4	37.4	56.7	51.9	63.9
Cerebrovascular Disease (I60-I69)	1,333	517	816	0	46.4	36.3	56.5	80.5	77.6	82.4
Alzheimer's Disease (G30)	794	239	555	0	27.7	16.8	38.4	87.0	85.2	87.7
Diabetes mellitus (E10-E14)	708	360	348	0	24.7	25.2	24.1	72.7	69.8	75.7
Pneumonia and Influenza (J09-J18)	641	290	351	0	22.3	20.3	24.3	82.3	79.6	84.5
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)	577	290	287	0	20.1	20.3	19.9	78.7	78.1	79.4
Suicide (U03, X60-X84,Y87.0)	384	309	75	0	13.4	21.7	5.2	45.0	45.3	44.1

*Rate per 100,000 population
†Two individuals of unknown age not included in counts used for calculating average age at death.
Note: Rates are based US Census Bureau population estimates for 2011.

Table 60
Death Rates, Age-Adjusted Death Rates and 95% Confidence Intervals
for Selected Leading Causes of Death
Kansas, 2010-2011

Cause of Death (ICD-10 Code)	2010					2011				
	Number	Death Rate*	Age-Adjusted Death Rate†	CI (95%)‡ Lower	CI (95%)‡ Upper	Number	Death Rate*	Age-Adjusted Death Rate†	CI (95%)‡ Lower	CI (95%)‡ Upper
All Causes	24,426	856.1	759.8	750.2	769.4	25,114	874.6	767.1	757.5	776.7
Malignant Neoplasms (C00-C97)	5,359	187.8	170.6	166.0	175.2	5,423	188.9	169.7	165.1	174.3
Heart Disease (I00-I09, I11, I13, I20-I51)	5,403	189.4	164.0	159.6	168.5	5,321	185.3	158.0	153.6	162.3
Chronic Lower Respiratory Diseases (J40-J47)	1,581	55.4	50.1	47.6	52.6	1,654	57.6	51.6	49.1	54.1
Unintentional Injuries (V01-X59, Y40-Y86, Y88)	1,346	47.2	44.8	42.4	47.2	1,358	47.3	44.6	42.2	47.0
Cerebrovascular Disease (I60-I69)	1,367	47.9	41.1	38.9	43.3	1,333	46.4	39.5	37.3	41.7
Alzheimer's Disease (G30)	816	28.6	24.0	22.3	25.7	794	27.7	22.6	21.0	24.2
Diabetes mellitus (E10-E14)	655	23.0	20.5	18.9	22.1	708	24.7	22.0	20.4	23.6
Pneumonia and Influenza (J09-J18)	555	19.5	16.5	15.1	17.9	641	22.3	18.6	17.1	20.1
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)	581	20.4	17.9	16.4	19.4	577	20.1	17.5	16.1	18.9
Suicide (U03, X60-X84,Y87.0)	409	14.3	14.3	12.9	15.7	384	13.4	13.4	12.0	14.8
Atherosclerosis (I70)	390	13.7	11.4	10.3	12.5	342	11.9	9.9	8.8	11.0
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	245	8.6	7.9	6.9	8.9	254	8.8	8.3	7.3	9.3
Prim. Hypertension/Hypertensive Renal Disease and Sec. Hypertension (I10, I12, I15)	161	5.6	4.8	4.1	5.5	155	5.4	4.5	3.8	5.2
Homicide (U01-U02, X85-Y09,Y87.1)	108	3.8	3.9	3.2	4.6	120	4.2	4.3	3.5	5.1
Certain Conditions Originating in the Perinatal Period (P00-P96)	112	3.9	3.8	3.1	4.5	110	3.8	3.8	3.1	4.5
Congenital Anomalies (Q00-Q99)	109	3.8	3.7	3.0	4.4	91	3.2	3.1	2.6	3.9

*Rate per 100,000 population

†Rate per 100,000 standard U.S. 2000 population (see Technical Notes)

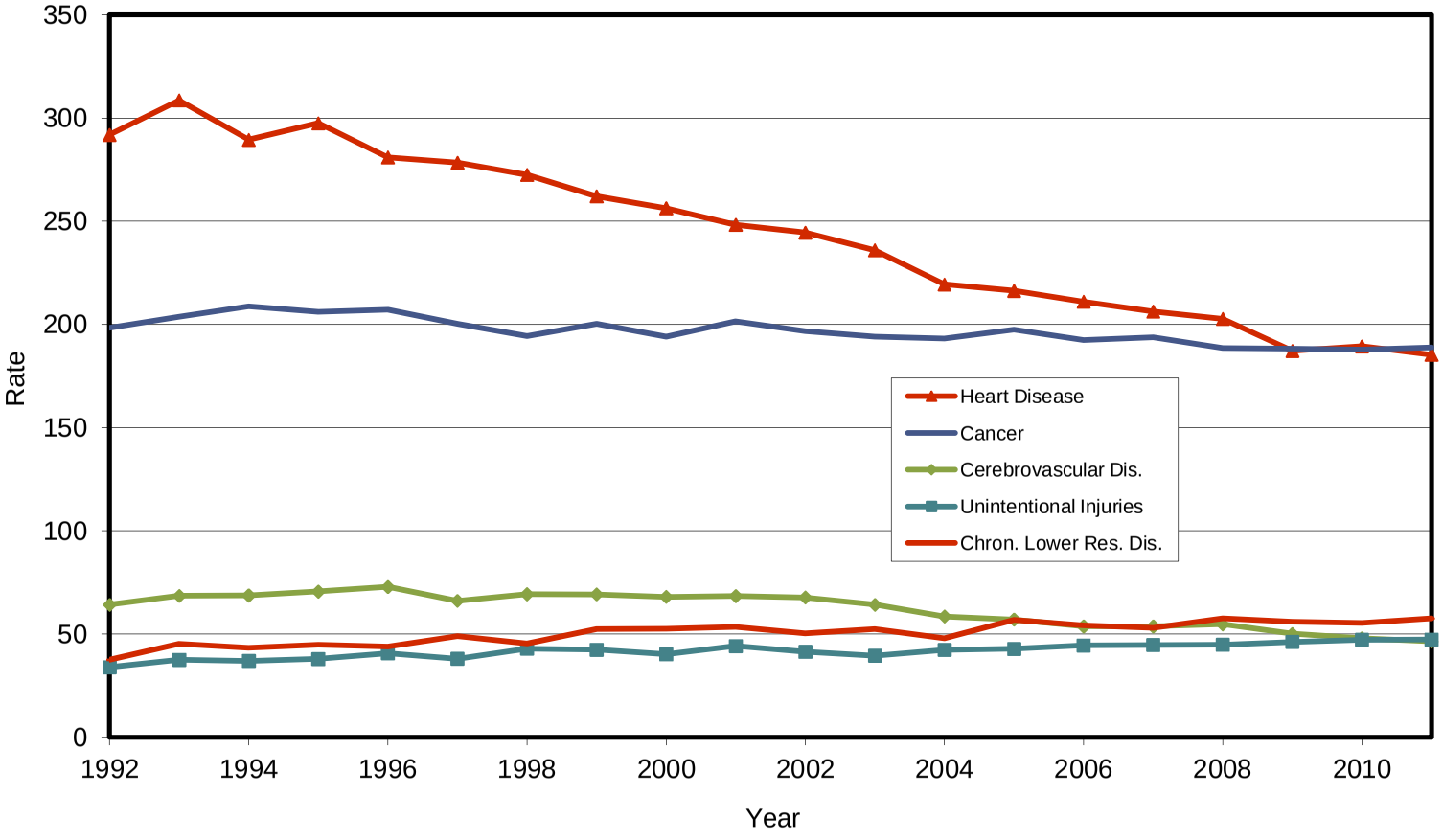
‡CI = 95% confidence interval based on a formula for estimating the standard error or SE. See Technical Notes

In 2010, one death for which age of decedent could not be determined was not included in this analysis.

In 2011, two deaths for which age of decedent could not be determined were not included in this analysis.

Death Rates for Selected Leading Causes of Death

Kansas, 1992-2011



Rate per 100,000 Population

Figure 31

Leading Causes of Death by Age-Group

Kansas, 2011

ALL AGES

CAUSE	NUMBER
CANCER	5,423
HEART DISEASE	5,321
CHRON. LOWER RESP. DIS.	1,654
UNINTENTIONAL INJURIES	1,358
CEREBROVASC. DIS.	1,333
OTHER CAUSES	10,025
TOTAL	25,114

UNDER 1 YEAR

CAUSE	NUMBER
CONGENITAL ANOMALIES	59
LENGTH GEST./FETAL GROWTH	49
MATERNAL FACTORS & COMPL.	28
SIDS	26
UNINTENTIONAL INJURIES	13
OTHER CAUSES	72
TOTAL	247

1-4 YEARS

CAUSE	NUMBER
UNINTENTIONAL INJURIES	19
CANCER	4
HEART DISEASE	3
HOMICIDE	3
OTHER CAUSES	17
TOTAL	46

5-14 YEARS

CAUSE	NUMBER
UNINTENTIONAL INJURIES	28
CANCER	10
CEREBROVASC. DIS.	3
CHRON. LOWER RESP. DIS.	3
OTHER CAUSES	18
TOTAL	62

15-24 YEARS

CAUSE	NUMBER
UNINTENTIONAL INJURIES	130
SUICIDE	67
HOMICIDE	34
CANCER	11
HEART DISEASE	7
OTHER CAUSES	48
TOTAL	297

25-44 YEARS

CAUSE	NUMBER
UNINTENTIONAL INJURIES	276
CANCER	135
HEART DISEASE	112
SUICIDE	92
HOMICIDE	47
OTHER CAUSES	366
TOTAL	1,028

45-64 YEARS

CAUSE	NUMBER
CANCER	1,490
HEART DISEASE	876
UNINTENTIONAL INJURIES	316
CHRON. LOWER RESP. DIS.	239
DIABETES	186
OTHER CAUSES	1,483
TOTAL	4,590

65-84 YEARS

CAUSE	NUMBER
CANCER	2,761
HEART DISEASE	1,948
CHRON. LOWER RESP. DIS.	942
CEREBROVASC. DIS.	513
DIABETES	317
OTHER CAUSES	3,400
TOTAL	9,881

85 YEARS AND OVER

CAUSE	NUMBER
HEART DISEASE	2,372
CANCER	1,011
CEREBROVASC. DIS.	649
ALZHEIMER'S DISEASE	533
CHRON. LOWER RESP. DIS.	460
OTHER CAUSES	3,936
TOTAL	8,961

Figure 32

Table 61
Heart Disease Deaths by Age-Group and Sex of Decedent
Kansas, 2011

Causes of Death and Sex of Decedent (ICD Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Heart Disease (I00-I09, I11, I13, I20-I51)	5,321	1	3	2	7	28	84	284	592	688	1,260	2,372	0
Male	2,675	1	2	1	7	17	52	197	405	446	663	884	0
Female	2,646	0	1	1	0	11	32	87	187	242	597	1,488	0
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (I00-I09)	28	0	0	0	0	0	0	3	2	3	9	11	0
Male	9	0	0	0	0	0	0	2	1	1	4	1	0
Female	19	0	0	0	0	0	0	1	1	2	5	10	0
Hypertensive Heart Disease with or without Renal Disease (I11, I13)	113	0	0	0	0	0	0	7	6	13	26	61	0
Male	42	0	0	0	0	0	0	5	3	9	6	19	0
Female	71	0	0	0	0	0	0	2	3	4	20	42	0
Ischemic Heart Disease (I20-I25)	3,035	0	0	0	2	8	42	190	413	441	740	1,199	0
Male	1,712	0	0	0	2	5	30	143	297	303	427	505	0
Female	1,323	0	0	0	0	3	12	47	116	138	313	694	0
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28)	190	1	0	0	0	6	10	20	27	34	42	50	0
Male	73	1	0	0	0	1	4	7	13	16	14	17	0
Female	117	0	0	0	0	5	6	13	14	18	28	33	0
Other Forms of Heart Disease (I30-I51)	1,955	0	3	2	5	14	32	64	144	197	443	1,051	0
Male	839	0	2	1	5	11	18	40	91	117	212	342	0
Female	1,116	0	1	1	0	3	14	24	53	80	231	709	0

Table 62
Malignant Neoplasm Deaths
by Site of Lesion, Age-Group and Sex of Decedent
Kansas, 2011

Site of Lesion and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Malignant Neoplasms (All Sites)												
(C00-C97)	5,423	1	4	10	11	39	96	440	1,050	1,301	1,460	1,011
Male	2,813	0	2	6	9	18	47	193	580	728	762	468
Female	2,610	1	2	4	2	21	49	247	470	573	698	543
Lip, Oral Cavity and Pharynx												
(C00-C14)	55	0	0	0	0	0	1	11	12	7	14	10
Male	31	0	0	0	0	0	0	6	8	5	9	3
Female	24	0	0	0	0	0	1	5	4	2	5	7
Digestive Organs												
(C15-C26)	1,277	0	2	0	1	9	28	111	280	276	342	228
Male	707	0	1	0	0	6	18	66	185	170	169	92
Female	570	0	1	0	1	3	10	45	95	106	173	136
Respiratory and Intrathoracic Organs												
(C30-C39)	1,525	0	0	0	0	4	9	125	319	451	413	204
Male	837	0	0	0	0	2	5	53	197	263	221	96
Female	688	0	0	0	0	2	4	72	122	188	192	108
Bone and Articular Cartilage												
(C40-C41)	20	0	0	1	3	1	0	2	5	3	3	2
Male	18	0	0	1	3	1	0	2	3	3	3	2
Female	2	0	0	0	0	0	0	0	2	0	0	0
Skin												
(C43-C44)	117	0	0	0	1	2	3	15	18	31	28	19
Male	77	0	0	0	0	0	1	10	12	26	18	10
Female	40	0	0	0	1	2	2	5	6	5	10	9
Mesothelial and Soft Tissue												
(C45-C49)	77	0	0	0	2	1	5	3	13	18	20	15
Male	37	0	0	0	2	1	4	0	5	7	11	7
Female	40	0	0	0	0	0	1	3	8	11	9	8
Breast												
(C50)	352	0	0	0	0	6	9	51	83	70	69	64
Male	5	0	0	0	0	0	0	0	2	1	1	1
Female	347	0	0	0	0	6	9	51	81	69	68	63
Genital Organs												
(C51-C63)	546	0	0	0	0	2	15	32	76	119	153	149
Male	265	0	0	0	0	0	1	6	18	50	84	106
Female	281	0	0	0	0	2	14	26	58	69	69	43
Urinary Tract												
(C64-C68)	324	0	0	3	0	1	6	14	44	72	107	77
Male	220	0	0	1	0	1	4	8	34	47	75	50
Female	104	0	0	2	0	0	2	6	10	25	32	27
Eye and Adnexa												
(C69)	2	0	0	0	0	0	0	0	0	0	2	0
Male	1	0	0	0	0	0	0	0	0	0	1	0
Female	1	0	0	0	0	0	0	0	0	0	1	0
Meninges, Brain and Other Parts of Central Nervous System												
(C70-C72)	178	0	1	4	1	4	6	18	51	36	37	20
Male	104	0	1	3	1	3	5	7	26	27	21	10
Female	74	0	0	1	0	1	1	11	25	9	16	10
Thyroid and Other Endocrine Glands												
(C73-C75)	20	1	0	1	0	1	1	3	3	5	4	1
Male	10	0	0	0	0	0	0	3	2	3	1	1
Female	10	1	0	1	0	1	1	0	1	2	3	0
Other and Unspecified Sites												
(C76-C80, C97)	353	0	0	0	0	1	6	27	77	70	89	83
Male	194	0	0	0	0	0	5	17	46	43	52	31
Female	159	0	0	0	0	1	1	10	31	27	37	52
Leukemia												
(C91-C95)	243	0	0	1	2	5	1	12	29	58	71	64
Male	124	0	0	1	2	3	1	5	15	28	43	26
Female	119	0	0	0	0	2	0	7	14	30	28	38
Other Lymphoid, Hematopoietic, and Related Tissue												
(C81-C90, C96)	334	0	1	0	1	2	6	16	40	85	108	75
Male	183	0	0	0	1	1	3	10	27	55	53	33
Female	151	0	1	0	0	1	3	6	13	30	55	42

Table 63
Cerebrovascular Disease Deaths by Age-Group and Sex of Decedent
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (I60-I69)	1,333	1	2	3	3	4	16	44	98	154	359	649
Male	517	0	0	1	2	3	9	23	52	78	159	190
Female	816	1	2	2	1	1	7	21	46	76	200	459
Subarachnoid Hemorrhage (I60)	42	0	0	0	3	0	4	6	9	7	7	6
Male	17	0	0	0	2	0	3	4	4	1	1	2
Female	25	0	0	0	1	0	1	2	5	6	6	4
Intracerebral and Other Intracranial Hemorrhage (I61-I62)	277	0	1	0	0	1	9	16	31	46	82	91
Male	116	0	0	0	0	1	4	6	15	21	36	33
Female	161	0	1	0	0	0	5	10	16	25	46	58
Cerebral Infarction (I63)	46	0	0	0	0	0	0	4	3	3	11	25
Male	23	0	0	0	0	0	0	4	2	2	5	10
Female	23	0	0	0	0	0	0	0	1	1	6	15
Stroke, Not Specified as Hemorrhage or Infarction (I64)	751	0	0	1	0	2	3	12	45	77	211	400
Male	274	0	0	0	0	1	2	6	23	40	95	107
Female	477	0	0	1	0	1	1	6	22	37	116	293
Other Cerebrovascular Diseases (I67, I69)	217	1	1	2	0	1	0	6	10	21	48	127
Male	87	0	0	1	0	1	0	3	8	14	22	38
Female	130	1	1	1	0	0	0	3	2	7	26	89

Table 64
Unintentional Injury Deaths by Age-Group and Sex of Decedent
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Unintentional Injuries (V01-X59, Y40-Y86, Y88)	1,358	13	19	28	130	152	124	174	142	134	164	278
Male	818	7	15	16	94	110	83	116	102	80	95	100
Female	540	6	4	12	36	42	41	58	40	54	69	178
Motor-Vehicle (*)	416	0	6	11	80	77	47	62	45	31	32	25
Male	288	0	5	6	55	57	35	43	37	17	19	14
Female	128	0	1	5	25	20	12	19	8	14	13	11
Water Transport (V90-V94)	3	0	0	0	0	0	1	0	0	1	0	1
Male	3	0	0	0	0	0	1	0	0	1	0	1
Female	0	0	0	0	0	0	0	0	0	0	0	0
Air and Space Transport (V95-V97)	5	0	0	2	0	1	1	0	0	1	0	0
Male	2	0	0	0	0	0	1	0	0	1	0	0
Female	3	0	0	2	0	1	0	0	0	0	0	0
Falls (W00-W19)	305	1	0	0	3	4	4	5	19	36	78	155
Male	150	1	0	0	3	4	3	4	17	24	35	59
Female	155	0	0	0	0	0	1	1	2	12	43	96
Inanimate Mechanical Forces (W20-W49)	46	1	4	0	6	6	5	4	4	12	3	1
Male	41	1	4	0	6	5	4	4	4	10	3	0
Female	5	0	0	0	0	1	1	0	0	2	0	1
Drowning and Submersion (W65-W74)	30	1	4	4	6	4	2	2	2	4	1	0
Male	23	0	1	3	6	4	2	1	2	4	0	0
Female	7	1	3	1	0	0	0	1	0	0	1	0
Other Accidental Threats to Breathing (W75-W84)	88	9	3	3	1	1	1	4	13	11	14	28
Male	53	5	3	2	1	1	1	3	9	6	13	9
Female	35	4	0	1	0	0	0	1	4	5	1	19
Electric Current, Radiation and Air Temperature/Pressure (W85-W99)	8	0	0	1	0	1	3	1	0	1	1	0
Male	8	0	0	1	0	1	3	1	0	1	1	0
Female	0	0	0	0	0	0	0	0	0	0	0	0
Smoke, Fire and Flames (X00-X09)	35	1	2	3	5	3	1	4	3	7	6	0
Male	23	0	2	2	2	3	1	4	3	1	5	0
Female	12	1	0	1	3	0	0	0	0	6	1	0
Forces of Nature (X30-X39)	43	0	0	1	2	4	3	6	10	7	5	5
Male	29	0	0	1	0	4	1	4	6	5	4	4
Female	14	0	0	0	2	0	2	2	4	2	1	1
Poisonings (X40-X49)	235	0	0	1	20	42	52	77	31	5	3	4
Male	133	0	0	0	15	27	27	46	13	2	2	1
Female	102	0	0	1	5	15	25	31	18	3	1	3
Other Unintentional Injuries (†)	144	0	0	2	7	9	4	9	15	18	21	59
Male	65	0	0	1	6	4	4	6	11	8	13	12
Female	79	0	0	1	1	5	0	3	4	10	8	47

* V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86,V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

† V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3,V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9,V87.9, V88.9, V89.1, V89.3, V89.9, V98-V99, W50-W64, X10-X29, X50-X59, Y40-Y86, Y88

Table 65
External Cause of Death by Injury Matrix
Intent and Cause Group Categories*
Kansas, 2011

Cause Group (ICD-10 codes)	Total	Unintentional	Suicide	Homicide	Undetermined	Legal/War
Total	1,901	1,330	384	120	65	2
Cut/Pierce (W25–W29, W45, X78, X99, Y28, Y35.4)	20	1	6	13	0	0
Drowning (W65–W74, X71, X92, Y21)	34	30	0	0	4	0
Falls (W00–W19, X80, Y01, Y30)	310	305	4	0	1	0
Fire/flame (X00–X09, X76, X97, Y26)	39	35	0	2	2	0
Hot Object/Scalding (X10–X19, X77, X98, Y27)	2	2	0	0	0	0
Firearm (U01.4,W32–W34,X72–X74, X93–X95,Y22–Y24,Y35.0)	330	13	230	84	1	2
Machinery (W24, W30–W31)	12	12	0	0	0	0
Motor Vehicle Traffic†	391	391	0	0	0	0
Other Pedal Cyclist (V10–V11, [V12–V14](.0–.2), V15–V18, V19(.0–.3,.8,.9))	2	2	0	0	0	0
Other Pedestrian (V01, [V02–V04](.0), V05, V06, V09(.0–.1,.3,.9))	6	6	0	0	0	0
Other Land Transport‡	28	27	0	1	0	0
Other Transport (U01.1,V90–V99,Y36.1)	8	8	0	0	0	0
Natural/Environmental (W42–W43, W53–W64, W92–W99, X20–X39,X51–X57)	45	45	0	0	0	0
Overexertion (X50)	0	0	0	0	0	0
Poisoning (U01(.6–.7), X40–X49, X60–X69, X85–X90, Y10–Y19, Y35.2)	326	235	51	1	39	0
Struck By/Against (W20–W22,W50–W52,X79,Y00, Y04,Y29,Y35.3)	10	10	0	0	0	0
Suffocation (W75–W84,X70,X91,Y20)	186	88	86	9	3	0
Other Specified§	27	24	0	0	3	0
NEC (U01.8,*U02,X58,X83,Y08,Y33, Y35.6,Y86–Y87,Y89(.0–.1))	13	10	2	0	1	0
Not Specified (U01.9, *U03.9, X59, X84,Y09, Y34, Y35.7, Y36.9, Y89.9)	112	86	5	10	11	0

*See technical notes, adverse effects of drugs or medical care are excluded.

†[V02–V04](.1,.9), V09.2, [V12–V14](.3–.9), V19(.4–.6), [V20–V28](.3–.9),[V29–V79](.4–.9), V80(.3–.5),V81.1, V82.1, [V83–V86](.0–.3),V87(.0–.8), V89.2

‡[V20–V28](.0–.2), [V29–V79](.0–.3), V80(.0–.2,.6–.9), [V81–V82](.0,.2–.9), [V83–V86](.4–.9), V87.9,V88(.0–.9), V89(.0,.1,.3,.9), X82, Y03, Y32

Y36(.0,.2,.4–.8), Y85

NEC = Not Elsewhere Classified

Table 66
Selected Chronic Disease Deaths by Age-Group and Sex of Decedent
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total	3,728	0	0	3	1	24	63	226	468	673	1,100	1,170
Male	1,859	0	0	3	0	12	46	134	293	362	523	486
Female	1,869	0	0	0	1	12	17	92	175	311	577	684
Diabetes mellitus (E10-E14)	708	0	0	0	0	11	15	72	114	130	187	179
Male	360	0	0	0	0	6	11	45	69	78	85	66
Female	348	0	0	0	0	5	4	27	45	52	102	113
Primary Hypertension/Hypertensive Renal Dis. and Secondary. Hypertension (I10, I12, I15)	155	0	0	0	0	0	6	4	12	13	33	87
Male	53	0	0	0	0	0	4	2	6	6	13	22
Female	102	0	0	0	0	0	2	2	6	7	20	65
Atherosclerosis (I70)	342	0	0	0	0	0	2	6	19	34	86	195
Male	145	0	0	0	0	0	0	5	11	21	43	65
Female	197	0	0	0	0	0	2	1	8	13	43	130
Chronic Lower Respiratory Diseases (J40-J47)	1,654	0	0	3	0	3	7	56	183	363	579	460
Male	812	0	0	3	0	0	5	25	107	189	269	214
Female	842	0	0	0	0	3	2	31	76	174	310	246
Peptic Ulcer (K25-K28)	38	0	0	0	0	0	1	3	7	4	8	15
Male	19	0	0	0	0	0	1	2	3	1	6	6
Female	19	0	0	0	0	0	0	1	4	3	2	9
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	254	0	0	0	0	8	27	62	80	39	29	9
Male	180	0	0	0	0	4	21	44	67	29	10	5
Female	74	0	0	0	0	4	6	18	13	10	19	4
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	577	0	0	0	1	2	5	23	53	90	178	225
Male	290	0	0	0	0	2	4	11	30	38	97	108
Female	287	0	0	0	1	0	1	12	23	52	81	117

Table 67
Occupation of Decedent* by
Selected Causes of Death
Kansas, 2011

Occupation of Decedent	Total	Selected Causes of Death											
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Athero-sclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hyper-tension	All Other Causes
Total	25,114	5,321	5,423	1,333	1,358	1,654	384	342	254	120	38	155	8,732
Management	2,888	683	661	161	139	172	40	34	20	2	7	25	944
Business and Financial Operations	573	107	169	28	25	37	8	12	2	1	1	1	182
Computer and Mathematical	135	25	46	5	9	6	10	0	0	2	0	0	32
Architecture and Engineering	371	86	103	22	10	24	3	12	3	0	0	1	107
Life, Physical, and Social Services	102	21	25	7	4	7	1	2	0	0	0	0	35
Community and Social Services	264	59	57	10	15	12	5	3	3	0	0	3	97
Legal	100	24	19	4	10	3	2	1	1	1	0	0	35
Education, Training, and Library	1,084	222	249	77	32	41	8	14	10	1	2	7	421
Arts, Design, Entertainment, Sports, and Media	249	53	58	7	15	13	5	3	8	1	0	2	84
Healthcare Practitioners and Technical	867	186	223	46	44	61	13	11	2	6	1	5	269
Healthcare Support	584	112	131	26	39	52	7	4	8	5	0	5	195
Protective Service	264	63	80	7	12	19	9	1	3	1	1	1	67
Food Preparation and Serving Related	591	130	109	36	34	40	13	3	9	6	2	2	207
Building and Grounds Cleaning and Maintenance	835	189	166	51	48	59	10	5	13	3	5	5	281
Personal Care and Service	397	68	88	27	22	25	7	4	1	2	0	2	151
Sales and Related	1,822	390	405	93	84	121	24	34	15	4	3	12	637
Office and Admin. Support	2,271	480	474	145	96	149	19	45	11	3	5	12	832
Farming, Forestry, and Fishing	65	14	8	9	8	6	1	0	0	0	0	0	19
Construction and Extraction	1,557	298	365	55	119	138	50	12	30	17	0	2	471
Installation, Repair, and Maintenance	852	194	231	29	39	74	15	10	13	6	1	5	235
Production	1,604	344	373	74	78	110	22	26	27	5	3	12	530
Transportation and Material Moving	1,511	316	395	73	92	118	34	18	24	9	2	2	428
Housewives, Students, Children, Volunteers, and None[†]	5,206	1,092	805	309	313	302	57	77	35	36	3	45	2,132
Retired	0	0	0	0	0	0	0	0	0	0	0	0	0
N.S.	922	165	183	32	71	65	21	11	16	9	2	6	341

*Due to changes in the coding of occupation, use caution when comparing prior years.
[†]This category includes those who were never employed.

Table 68
Industry* of Decedent's Occupation by Selected Causes of Death
Kansas, 2011

Type of Industry	Total	Selected Causes of Death											
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Athero-sclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hyper-tension	All Other Causes
Total	25,114	5,321	5,423	1,333	1,358	1,654	384	342	254	120	38	155	8,732
Agriculture, Forestry, Fishing and Hunting	1,576	394	317	95	95	100	15	10	15	2	4	11	518
Mining	236	55	60	7	16	18	8	1	3	1	0	2	65
Utilities	273	62	62	16	13	13	2	4	1	0	1	1	98
Construction	1,463	277	367	53	119	119	42	18	36	18	0	4	410
Manufacturing	2,800	571	703	136	120	203	35	52	31	9	3	20	917
Wholesale Trade	401	81	106	22	25	18	9	6	5	2	0	1	126
Retail Trade	1,720	377	371	88	81	120	20	28	13	3	5	11	603
Transportation and Warehousing	1,258	287	326	59	64	103	31	12	13	2	3	3	355
Information	472	89	98	27	18	42	12	8	9	0	1	6	162
Finance and Insurance	678	144	159	31	34	39	10	16	1	2	1	2	239
Real Estate, and Rental, and Leasing	240	54	53	16	9	19	3	8	2	1	0	1	74
Professional, Scientific, and Technical Services	531	135	130	27	26	25	17	9	5	0	0	0	157
Management of Companies and Enterprises	2	0	1	0	0	0	0	0	0	0	0	0	1
Admin. and Support & Waste Management Services	283	63	63	14	25	19	3	3	7	2	1	1	82
Educational Services	1,733	361	383	112	75	77	21	20	15	4	5	9	651
Health Care and Social Assistance	2,094	427	517	105	117	151	30	18	13	11	3	17	685
Arts, Entertainment, and Recreation	120	24	29	7	12	8	3	0	2	1	0	0	34
Accommodation and Food Services	614	133	134	36	38	41	13	7	8	6	1	1	196
Other Services (except Public Admin.)	1,257	265	257	65	57	83	20	18	18	8	4	10	452
Public Admin. and Active Duty Military	1,427	294	345	74	61	108	26	21	16	7	2	4	469
Housewives, Students, Children, Volunteers and None†	5,148	1,085	803	309	287	300	46	77	34	32	3	45	2,127
Retired	5	1	0	0	0	1	1	0	0	0	0	0	2
N.S.	783	142	139	34	66	47	17	6	7	9	1	6	309

*Due to changes in the coding of industry, use caution when comparing prior years.

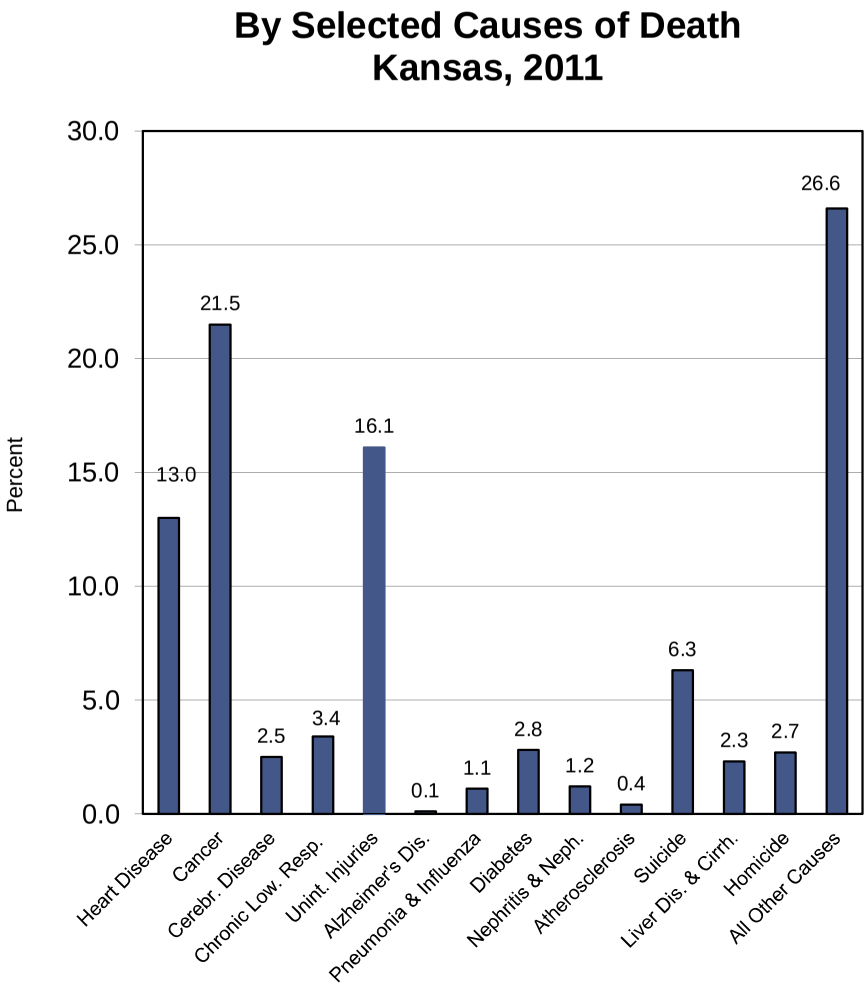
†This category includes those who were never employed.

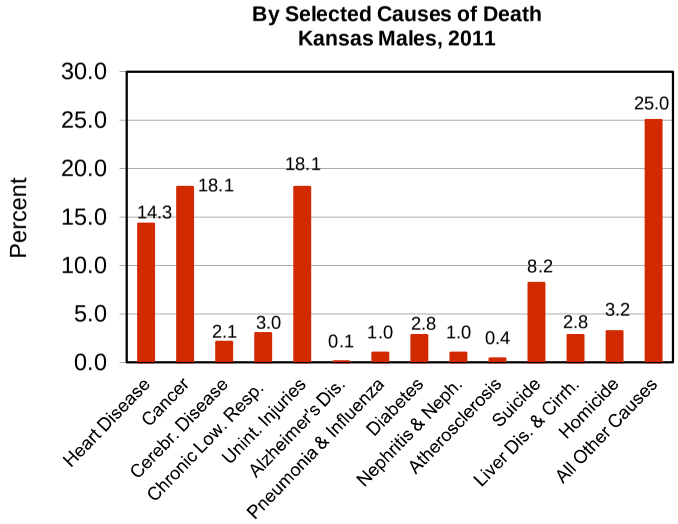
Table 69
Selected Causes of Death and Years of Potential Life Lost (YPLL)
Before Age 75
Kansas, 2011

CAUSE OF DEATH (ICD-10)	Number of Deaths	Total Years Life Lost	Percent Years Lost By Cause	Rate† Years Lost By Cause
Total Deaths	25,112	186,682	100.0	65.0
Cancer (C00-C97)	5,423	40,211	21.5	14.0
Heart Disease (I00-I09, I11, I13, I20-I51)	5,321	24,339	13.0	8.5
Chronic Lower Respiratory Dis. (J40-J47)	1,654	6,376	3.4	2.2
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	1,358	30,084	16.1	10.5
Cerebrovascular Disease (I60-I69)	1,333	4,681	2.5	1.6
Alzheimer's Disease (G30)	794	265	0.1	0.1
Diabetes (E10-E14)	708	5,171	2.8	1.8
Pneumonia and Influenza (J09-J18)	639	2,079	1.1	0.7
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	577	2,190	1.2	0.8
Suicide (U03, X60-X84, Y87.0)	384	11,737	6.3	4.1
Atherosclerosis (I70)	342	666	0.4	0.2
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	254	4,289	2.3	1.5
Homicide (U01-U02, X85-Y09, Y87.1)	120	5,013	2.7	1.7
All Other Causes	6,205	49,581	26.6	17.3
Male Deaths	12,254	115,018	100.0	80.7
Cancer (C00-C97)	2,813	20,786	18.1	14.6
Heart Disease (I00-I09, I11, I13, I20-I51)	2,675	16,440	14.3	11.5
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	818	20,791	18.1	14.6
Chronic Lower Respiratory Dis. (J40-J47)	812	3,472	3.0	2.4
Cerebrovascular Disease (I60-I69)	517	2,377	2.1	1.7
Diabetes (E10-E14)	360	3,206	2.8	2.2
Suicide (U03, X60-X84, Y87.0)	309	9,396	8.2	6.6
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	290	1,174	1.0	0.8
Pneumonia and Influenza (J09-J18)	289	1,150	1.0	0.8
Alzheimer's Disease (G30)	239	117	0.1	0.1
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	180	3,209	2.8	2.3
Atherosclerosis (I70)	145	406	0.4	0.3
Homicide (U01-U02, X85-Y09, Y87.1)	87	3,730	3.2	2.6
All Other Causes	2,720	28,764	25.0	20.2
Female Deaths	12,858	71,664	100.0	49.6
Heart Disease (I00-I09, I11, I13, I20-I51)	2,646	7,899	11.0	5.5
Cancer (C00-C97)	2,610	19,425	27.1	13.4
Chronic Lower Respiratory Dis. (J40-J47)	842	2,904	4.1	2.0
Cerebrovascular Disease (I60-I69)	816	2,304	3.2	1.6
Alzheimer's Disease (G30)	555	148	0.2	0.1
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	540	9,293	13.0	6.4
Pneumonia and Influenza (J09-J18)	350	929	1.3	0.6
Diabetes (E10-E14)	348	1,965	2.7	1.4
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	287	1,016	1.4	0.7
Atherosclerosis (I70)	197	260	0.4	0.2
Suicide (U03, X60-X84, Y87.0)	75	2,341	3.3	1.6
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	74	1,080	1.5	0.7
Homicide (U01-U02, X85-Y09, Y87.1)	33	1,283	1.8	0.9
All Other Causes	3,485	20,817	29.0	14.4

†Rate per 1,000 population. Total does not include two deaths for which the age of the decedent was not stated.

Percent Years of Potential Life Lost Before Age 75





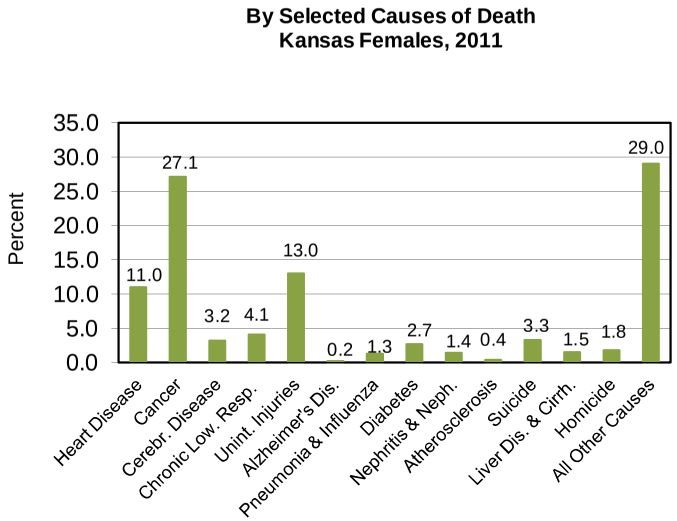


Figure 33

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Table 70
Deaths by Number and Percent Related to Tobacco
by County of Residence and by Peer Group*
Kansas, 2011

County of Residence	Did Tobacco Use Contribute to this death? Yes	Probably	No	Unknown	Total Deaths	Yes + Probably as Percent of Known
Kansas	2,208	1,201	11,381	10,324	25,114	23.0
Allen	13	8	90	83	194	18.9
Anderson	18	6	41	41	106	36.9
Atchison	22	8	102	54	186	22.7
Barber	2	1	24	27	54	11.1
Barton	21	22	107	180	330	28.7
Bourbon	13	7	102	57	179	16.4
Brown	8	7	47	77	139	24.2
Butler	38	10	321	220	589	13.0
Chase	5	4	13	12	34	40.9
Chautauqua	1	3	41	19	64	8.9
Cherokee	27	8	109	136	280	24.3
Cheyenne	3	2	12	22	39	29.4
Clark	5	1	22	10	38	21.4
Clay	10	5	63	28	106	19.2
Cloud	7	4	62	56	129	15.1
Coffey	11	3	51	42	107	21.5
Comanche	2	1	16	10	29	15.8
Cowley	54	24	222	153	453	26.0
Crawford	46	20	176	188	430	27.3
Decatur	7	2	18	41	68	33.3
Dickinson	30	11	111	93	245	27.0
Doniphan	12	3	25	42	82	37.5
Douglas	48	41	255	246	590	25.9
Edwards	2	9	20	13	44	35.5
Elk	0	1	13	25	39	7.1
Ellis	14	9	88	122	233	20.7
Ellsworth	8	3	36	33	80	23.4
Finney	8	12	87	83	190	18.7
Ford	13	15	107	99	234	20.7
Franklin	27	12	115	78	232	25.3
Geary	31	9	100	56	196	28.6
Gove	3	3	27	6	39	18.2
Graham	2	3	15	12	32	25.0
Grant	4	3	24	14	45	22.6
Gray	7	0	24	12	43	22.6
Greeley	2	1	7	2	12	30.0
Greenwood	8	4	35	41	88	25.5
Hamilton	0	4	16	13	33	20.0
Harper	13	6	33	44	96	36.5
Harvey	34	15	223	107	379	18.0
Haskell	3	0	8	18	29	27.3
Hodgeman	2	0	7	8	17	22.2
Jackson	12	5	79	40	136	17.7
Jefferson	25	6	71	80	182	30.4
Jewell	5	0	14	27	46	26.3
Johnson	261	137	1,838	1,207	3,443	17.8
Kearny	7	3	20	19	49	33.3
Kingman	4	4	50	32	90	13.8
Kiowa	3	4	13	9	29	35.0
Labette	13	16	89	151	269	24.6
Lane	1	0	16	15	32	5.9
Leavenworth	54	37	232	243	566	28.2
Lincoln	4	1	17	30	52	22.7
Linn	11	7	39	50	107	31.6
Logan	4	2	17	11	34	26.1

Table 70
Deaths by Number and Percent Related to Tobacco
by County of Residence and by Peer Group*
Kansas, 2011

County of Residence	Did Tobacco Use Contribute to this death? Yes	Probably	No	Unknown	Total Deaths	Yes + Probably as Percent of Known
Lyon	27	20	188	95	330	20.0
McPherson	35	15	208	116	374	19.4
Marion	11	5	111	58	185	12.6
Marshall	8	5	39	79	131	25.0
Meade	14	0	22	18	54	38.9
Miami	20	15	167	59	261	17.3
Mitchell	7	4	40	24	75	21.6
Montgomery	81	18	179	189	467	35.6
Morris	15	3	40	30	88	31.0
Morton	3	3	27	17	50	18.2
Nemaha	10	5	77	50	142	16.3
Neosho	26	15	117	62	220	25.9
Ness	1	1	30	10	42	6.3
Norton	4	2	32	13	51	15.8
Osage	24	6	87	58	175	25.6
Osborne	10	4	23	26	63	37.8
Ottawa	5	3	35	25	68	18.6
Pawnee	6	5	20	42	73	35.5
Phillips	4	7	29	54	94	27.5
Pottawatomie	8	14	67	48	137	24.7
Pratt	9	7	59	53	128	21.3
Rawlins	2	1	17	12	32	15.0
Reno	60	37	339	295	731	22.2
Republic	3	0	20	72	95	13.0
Rice	20	7	59	44	130	31.4
Riley	27	12	177	118	334	18.1
Rooks	3	4	32	24	63	17.9
Rush	3	5	15	27	50	34.8
Russell	9	4	33	45	91	28.3
Saline	62	33	204	228	527	31.8
Scott	3	2	28	32	65	15.2
Sedgwick	276	177	1,457	2,117	4,027	23.7
Seward	19	8	36	61	124	42.9
Shawnee	155	101	879	552	1,687	22.6
Sheridan	5	0	9	18	32	35.7
Sherman	10	6	33	29	78	32.7
Smith	13	1	41	5	60	25.5
Stafford	5	2	17	39	63	29.2
Stanton	3	1	11	1	16	26.7
Stevens	9	3	18	13	43	40.0
Sumner	20	18	122	130	290	23.8
Thomas	6	7	19	29	61	40.6
Trego	3	1	21	24	49	16.0
Wabaunsee	6	4	34	31	75	22.7
Wallace	4	0	9	4	17	30.8
Washington	4	3	44	19	70	13.7
Wichita	2	1	11	11	25	21.4
Wilson	14	5	42	54	115	31.1
Woodson	4	4	17	25	50	32.0
Wyandotte	142	65	530	601	1,338	28.1
N.S.	0	0	0	1	1	n/a
Peer Group						
Frontier	149	79	701	637	1,566	24.5
Rural	261	133	1,274	1,239	2,907	23.6
Densely -Settled Rural	436	250	2,214	1,943	4,843	23.7
Semi-Urban	426	181	2,001	1,538	4,146	23.3
Urban	936	558	5,191	4,966	11,651	22.3

* See Technical Notes for Peer Group definition.

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
All Causes	25,114	2,208	1,201	23.0	11,381	14,790	10,324
Male	12,254	1,301	764	29.8	4,859	6,924	5,330
Female	12,860	907	437	17.1	6,522	7,866	4,994
Tuberculosis (A16-A19)	2	0	0	0.0	1	1	1
Male	1	0	0	0.0	1	1	0
Female	1	0	0		0	0	1
Syphilis (A50-A53)	0	0	0		0	0	0
Male	0	0	0		0	0	0
Female	0	0	0		0	0	0
HIV/AIDS (B20-B24)	23	2	0	11.8	15	17	6
Male	18	2	0	15.4	11	13	5
Female	5	0	0	0.0	4	4	1
Cancer of Stomach (C16)	67	6	2	22.2	28	36	31
Male	40	6	1	35.0	13	20	20
Female	27	0	1	6.3	15	16	11
Cancer of Colon, Rectum & Anus (C18-C21)	515	13	10	7.9	269	292	223
Male	255	10	6	12.0	117	133	122
Female	260	3	4	4.4	152	159	101
Cancer of Pancreas (C25)	353	8	15	10.8	190	213	140
Male	176	4	10	14.0	86	100	76
Female	177	4	5	8.0	104	113	64
Cancer of Trachea, Bronchus & Lung (C33-C34)	1,497	588	185	82.6	163	936	561
Male	814	338	112	86.9	68	518	296
Female	683	250	73	77.3	95	418	265
Cancer of Breast (C50)	352	6	6	5.7	198	210	142
Male	5	0	0	0.0	2	2	3
Female	347	6	6	5.8	196	208	139
Cancer of Cervix, Corpus & Ovary (C53-C56)	263	4	5	5.3	162	171	92
Male	0	0	0		0	0	0
Female	263	4	5	5.3	162	171	92
Cancer of Prostate (C61)	258	6	4	6.2	152	162	96
Male	258	6	4	6.2	152	162	96
Female	0	0	0		0	0	0

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death? Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Cancer of Urinary Tract							
(C64-C68)	324	18	24	23.3	138	180	144
Male	220	12	22	26.6	94	128	92
Female	104	6	2	15.4	44	52	52
Non-Hodgkin's Lymphoma							
(C82-C85)	211	3	5	5.9	128	136	75
Male	118	0	5	6.8	69	74	44
Female	93	3	0	4.8	59	62	31
Leukemia							
(C91-C95)	243	3	1	2.6	148	152	91
Male	124	2	1	4.2	69	72	52
Female	119	1	0	1.3	79	80	39
Other Malignant Neoplasms*	1,340	80	74	20.5	598	752	588
Male	803	64	55	27.7	311	430	373
Female	537	16	19	10.9	287	322	215
Diabetes mellitus							
(E10-E14)	708	40	42	22.3	286	368	340
Male	360	28	33	35.1	113	174	186
Female	348	12	9	10.8	173	194	154
Alzheimer's Disease							
(G30)	794	8	5	2.5	504	517	277
Male	239	1	2	2.1	143	146	93
Female	555	7	3	2.7	361	371	184
Hypertensive Heart Disease							
(I11, I13)	113	3	2	9.4	48	53	60
Male	42	2	1	23.1	10	13	29
Female	71	1	1	5.0	38	40	31
Ischemic Heart Disease							
(I20-I25)	3,035	309	220	32.5	1,101	1,630	1,405
Male	1,712	224	143	42.8	491	858	854
Female	1,323	85	77	21.0	610	772	551
Other Heart Disease							
(I00-I09, I26-I51)	2,173	95	79	15.1	977	1,151	1,022
Male	921	59	46	25.5	306	411	510
Female	1,252	36	33	9.3	671	740	512
Prim. Hypertension/ Hypertensive Renal Dis. & Sec. Hypertension							
(I10, I12, I15)	155	4	2	7.1	79	85	70
Male	53	0	2	8.7	21	23	30
Female	102	4	0	6.5	58	62	40

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Cerebrovascular Disease							
(I60-I69)	1,333	52	44	12.8	654	750	583
Male	517	25	28	19.9	213	266	251
Female	816	27	16	8.9	441	484	332
Atherosclerosis							
(I70)	342	9	2	3.8	276	287	55
Male	145	7	2	8.0	103	112	33
Female	197	2	0	1.1	173	175	22
Other Disease of Circulatory System							
(I71-I78)	192	19	16	35.7	63	98	94
Male	105	11	11	43.1	29	51	54
Female	87	8	5	27.7	34	47	40
Pneumonia & Influenza							
(J09-J18)	641	24	14	10.1	338	376	265
Male	290	18	9	17.3	129	156	134
Female	351	6	5	5.0	209	220	131
Chronic Lower Respiratory Disease							
(J40-J47)	1,654	681	231	83.4	181	1,093	561
Male	812	344	126	84.5	86	556	256
Female	842	337	105	82.3	95	537	305
Peptic Ulcer							
(K25-K28)	38	0	1	5.0	19	20	18
Male	19	0	1	12.5	7	8	11
Female	19	0	0	0.0	12	12	7
Chonic Liver Disease & Cirrhosis							
(K70, K73-K74)	254	15	15	24.0	95	125	129
Male	180	11	12	28.0	59	82	98
Female	74	4	3	16.3	36	43	31
Nephritis, Nephrotic Syndrome & Nephrosis							
(N00-N07,N17-N19, N25-N27)	577	11	26	12.5	260	297	280
Male	290	5	16	14.4	125	146	144
Female	287	6	10	10.6	135	151	136
Pregnancy, Childbirth, & the Puerperium							
(O00-O99)	5	0	0	0.0	4	4	1
Male	0	0	0		0	0	0
Female	5	0	0	0.0	4	4	1
Certain Conditons Originating In the Perinatal Period							
(P00-P96)	110	0	0	0.0	89	89	21
Male	64	0	0	0.0	52	52	12
Female	46	0	0	0.0	37	37	9

Table 71
Deaths from 39 Selected Causes by Number and Percent and Sex of Decedent
Related to Tobacco
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Did Tobacco Use Contribute to This Death?					
		Yes	Probably	Yes + Probably as % of Known	No	Total Known	Unknown
Congenital Anomalies							
(Q00-Q99)	91	0	1	1.4	70	71	20
Male	48	0	1	2.9	34	35	13
Female	43	0	0	0.0	36	36	7
Sudden Infant Death Syndrome							
(R95)	26	0	0	0.0	18	18	8
Male	19	0	0	0.0	11	11	8
Female	7	0	0	0.0	7	7	0
Symptoms and Abnormal Findings							
(R00-R94, R96-R99)	639	5	4	2.8	318	327	312
Male	269	4	2	5.5	104	110	159
Female	370	1	2	1.4	214	217	153
All Other Diseases†	4,857	163	140	10.6	2,553	2,856	2,001
Male	2,084	95	95	16.0	997	1,187	897
Female	2,773	68	45	6.8	1,556	1,669	1,104
Motor Vehicle Accidents‡	416	3	0	1.0	307	310	106
Male	288	3	0	1.4	213	216	72
Female	128	0	0	0.0	94	94	34
All Other Accidents and Adverse Effects§	942	25	22	8.4	515	562	380
Male	530	17	17	10.7	283	317	213
Female	412	8	5	5.3	232	245	167
Suicide							
U03, X60-X84, Y87.0	384	3	2	1.7	295	300	84
Male	309	1	0	0.4	238	239	70
Female	75	2	2	6.6	57	61	14
Homicide							
U01-U02, X85-Y09, Y87.1	120	1	0	0.9	106	107	13
Male	87	1	0	1.3	77	78	9
Female	33	0	0	0.0	29	29	4
All Other External Causes							
Y10-Y36, Y87.2, Y89	67	1	2	7.9	35	38	29
Male	39	1	1	8.3	22	24	15
Female	28	0	1	7.1	13	14	14

* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

†A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98, U0

‡V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.

§V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
All Causes	25,114	247	46	62	297	413	615	1,625	2,965	3,729	6,152	8,961	2
Male	12,254	140	31	36	227	276	380	942	1,803	2,121	3,053	3,245	0
Female	12,860	107	15	26	70	137	235	683	1,162	1,608	3,099	5,716	2
Tuberculosis (A16-A19)	2	1	0	0	0	0	0	1	0	0	0	0	0
Male	1	1	0	0	0	0	0	0	0	0	0	0	0
Female	1	0	0	0	0	0	0	1	0	0	0	0	0
Syphilis (A50-A53)	0	0	0	0	0	0	0	0	0	0	0	0	0
Male	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	0	0	0	0	0	0	0	0	0	0	0	0	0
HIV/AIDS (B20-B24)	23	0	0	0	0	0	5	12	6	0	0	0	0
Male	18	0	0	0	0	0	4	10	4	0	0	0	0
Female	5	0	0	0	0	0	1	2	2	0	0	0	0
Cancer of Stomach (C16)	67	0	0	0	0	0	5	6	16	14	16	10	0
Male	40	0	0	0	0	0	3	4	9	10	8	6	0
Female	27	0	0	0	0	0	2	2	7	4	8	4	0
Cancer of Colon, Rectum & Anus (C18-C21)	515	0	1	0	1	3	12	46	103	102	136	111	0
Male	255	0	0	0	0	2	8	28	62	57	58	40	0
Female	260	0	1	0	1	1	4	18	41	45	78	71	0
Cancer of Pancreas (C25)	353	0	0	0	0	0	4	22	64	95	110	58	0
Male	176	0	0	0	0	0	1	6	35	58	54	22	0
Female	177	0	0	0	0	0	3	16	29	37	56	36	0
Cancer of Trachea, Bronchus & Lung (C33-C34)	1,497	0	0	0	0	4	9	120	313	444	403	204	0
Male	814	0	0	0	0	2	5	49	192	257	213	96	0
Female	683	0	0	0	0	2	4	71	121	187	190	108	0
Cancer of Breast (C50)	352	0	0	0	0	6	9	51	83	70	69	64	0
Male	5	0	0	0	0	0	0	0	2	1	1	1	0
Female	347	0	0	0	0	6	9	51	81	69	68	63	0
Cancer of Cervix, Corpus & Ovary (C53-C56)	263	0	0	0	0	2	14	26	53	67	64	37	0
Male	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	263	0	0	0	0	2	14	26	53	67	64	37	0
Cancer of Prostate (C61)	258	0	0	0	0	0	0	4	17	50	83	104	0
Male	258	0	0	0	0	0	0	4	17	50	83	104	0
Female	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Cancer of Urinary Tract (C64-C68)	324	0	0	3	0	1	6	14	44	72	107	77	0
Male	220	0	0	1	0	1	4	8	34	47	75	50	0
Female	104	0	0	2	0	0	2	6	10	25	32	27	0
Non-Hodgkin's Lymphoma (C82-C85)	211	0	0	0	1	1	5	10	23	52	69	50	0
Male	118	0	0	0	1	0	3	5	18	34	35	22	0
Female	93	0	0	0	0	1	2	5	5	18	34	28	0
Leukemia (C91-C95)	243	0	0	1	2	5	1	12	29	58	71	64	0
Male	124	0	0	1	2	3	1	5	15	28	43	26	0
Female	119	0	0	0	0	2	0	7	14	30	28	38	0
Other Malignant Neoplasms*	1,340	1	3	6	7	17	31	129	305	277	332	232	0
Male	803	0	2	4	6	10	22	84	196	186	192	101	0
Female	537	1	1	2	1	7	9	45	109	91	140	131	0
Diabetes mellitus (E10-E14)	708	0	0	0	0	11	15	72	114	130	187	179	0
Male	360	0	0	0	0	6	11	45	69	78	85	66	0
Female	348	0	0	0	0	5	4	27	45	52	102	113	0
Alzheimer's Disease (G30)	794	0	0	0	0	0	0	1	7	37	216	533	0
Male	239	0	0	0	0	0	0	1	2	17	78	141	0
Female	555	0	0	0	0	0	0	0	5	20	138	392	0
Hypertensive Heart Disease (I11, I13)	113	0	0	0	0	0	0	7	6	13	26	61	0
Male	42	0	0	0	0	0	0	5	3	9	6	19	0
Female	71	0	0	0	0	0	0	2	3	4	20	42	0
Ischemic Heart Disease (I20-I25)	3,035	0	0	0	2	8	42	190	413	441	740	1,199	0
Male	1,712	0	0	0	2	5	30	143	297	303	427	505	0
Female	1,323	0	0	0	0	3	12	47	116	138	313	694	0
Other Heart Disease (I00-I09, I26-I51)	2,173	1	3	2	5	20	42	87	173	234	494	1,112	0
Male	921	1	2	1	5	12	22	49	105	134	230	360	0
Female	1,252	0	1	1	0	8	20	38	68	100	264	752	0
Prim. Hypertension/ Hypertensive Renal Dis. & Sec. Hypertension (I10, I12, I15)	155	0	0	0	0	0	6	4	12	13	33	87	0
Male	53	0	0	0	0	0	4	2	6	6	13	22	0
Female	102	0	0	0	0	0	2	2	6	7	20	65	0

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Cerebrovascular Disease													
(I60-I69)	1,333	1	2	3	3	4	16	44	98	154	359	649	0
Male	517	0	0	1	2	3	9	23	52	78	159	190	0
Female	816	1	2	2	1	1	7	21	46	76	200	459	0
Atherosclerosis													
(I70)	342	0	0	0	0	0	2	6	19	34	86	195	0
Male	145	0	0	0	0	0	0	5	11	21	43	65	0
Female	197	0	0	0	0	0	2	1	8	13	43	130	0
Other Disease of Circulatory System													
(I71-I78)	192	0	0	1	0	1	5	12	21	36	53	63	0
Male	105	0	0	1	0	1	3	6	14	23	27	30	0
Female	87	0	0	0	0	0	2	6	7	13	26	33	0
Pneumonia & Influenza													
(J09-J18)	641	3	0	0	1	3	12	18	40	58	137	369	0
Male	290	0	0	0	1	2	5	11	28	37	69	137	0
Female	351	3	0	0	0	1	7	7	12	21	68	232	0
Chronic Lower Respiratory Disease													
(J40-J47)	1,654	0	0	3	0	3	7	56	183	363	579	460	0
Male	812	0	0	3	0	0	5	25	107	189	269	214	0
Female	842	0	0	0	0	3	2	31	76	174	310	246	0
Peptic Ulcer													
(K25-K28)	38	0	0	0	0	0	1	3	7	4	8	15	0
Male	19	0	0	0	0	0	1	2	3	1	6	6	0
Female	19	0	0	0	0	0	0	1	4	3	2	9	0
Chonic Liver Disease & Cirrhosis													
(K70, K73-K74)	254	0	0	0	0	8	27	62	80	39	29	9	0
Male	180	0	0	0	0	4	21	44	67	29	10	5	0
Female	74	0	0	0	0	4	6	18	13	10	19	4	0
Nephritis, Nephrotic Syndrome & Nephrosis													
(N00-N07,N17-N19, N25-N27)	577	0	0	0	1	2	5	23	53	90	178	225	0
Male	290	0	0	0	0	2	4	11	30	38	97	108	0
Female	287	0	0	0	1	0	1	12	23	52	81	117	0
Pregnancy, Childbirth, & the Puerperium													
(O00-O99)	5	0	0	0	0	4	1	0	0	0	0	0	0
Male	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	5	0	0	0	0	4	1	0	0	0	0	0	0
Certain Conditons Originating In the Perinatal Period													
(P00-P96)	110	109	0	0	0	0	0	0	0	0	0	1	0
Male	64	63	0	0	0	0	0	0	0	0	0	1	0
Female	46	46	0	0	0	0	0	0	0	0	0	0	0

Table 72
Deaths from 39 Selected Causes
by Age-Group and Sex of Decedent
Kansas, 2011

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Congenital Anomalies (Q00-Q99)	91	59	2	1	2	2	6	4	5	4	2	4	0
Male	48	30	2	1	2	1	4	2	2	2	0	2	0
Female	43	29	0	0	0	1	2	2	3	2	2	2	0
Sudden Infant Death Syndrome (R95)	26	26	0	0	0	0	0	0	0	0	0	0	0
Male	19	19	0	0	0	0	0	0	0	0	0	0	0
Female	7	7	0	0	0	0	0	0	0	0	0	0	0
Symptoms and Abnormal Findings (R00-R94, R96-R99)	639	11	3	1	11	16	20	38	56	56	105	321	1
Male	269	7	3	1	10	7	10	26	39	33	44	89	0
Female	370	4	0	0	1	9	10	12	17	23	61	232	1
All Other Diseases[†]	4,857	18	8	7	23	43	87	264	399	558	1,267	2,182	1
Male	2,084	9	4	3	14	27	46	145	227	290	608	711	0
Female	2,773	9	4	4	9	16	41	119	172	268	659	1,471	1
Motor Vehicle Accidents[‡]	416	0	6	11	80	77	47	62	45	31	32	25	0
Male	288	0	5	6	55	57	35	43	37	17	19	14	0
Female	128	0	1	5	25	20	12	19	8	14	13	11	0
All Other Accidents and Adverse Effects[§]	942	13	13	17	50	75	77	112	97	103	132	253	0
Male	530	7	10	10	39	53	48	73	65	63	76	86	0
Female	412	6	3	7	11	22	29	39	32	40	56	167	0
Suicide U03, X60-X84, Y87.0	384	0	0	2	67	59	63	77	59	24	27	6	0
Male	309	0	0	1	56	49	47	60	44	22	24	6	0
Female	75	0	0	1	11	10	16	17	15	2	3	0	0
Homicide U01-U02, X85-Y09, Y87.1	120	3	3	2	34	29	18	17	10	3	0	1	0
Male	87	2	1	1	27	24	13	12	6	1	0	0	0
Female	33	1	2	1	7	5	5	5	4	2	0	1	0
All Other External Causes Y10-Y36, Y87.2, Y89	67	1	2	2	7	9	15	13	12	3	2	1	0
Male	39	1	2	1	5	5	11	6	5	2	1	0	0
Female	28	0	0	1	2	4	4	7	7	1	1	1	0

* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

[†]A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98, U04

[‡]V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

[§]V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
Kansas	25,114	2	555	5,423	1,277	1,525	352	546	324
Allen	194	0	0	39	11	11	6	2	2
Anderson	106	0	2	30	9	9	2	1	1
Atchison	186	0	8	28	5	5	3	2	0
Barber	54	0	0	16	5	1	2	2	1
Barton	330	0	5	57	14	13	3	5	8
Bourbon	179	0	8	36	10	6	4	4	1
Brown	139	0	4	31	8	7	1	4	4
Butler	589	0	15	123	24	39	8	12	8
Chase	34	0	1	10	3	2	0	1	2
Chautauqua	64	0	1	18	5	6	0	2	0
Cherokee	280	0	7	55	16	17	2	10	0
Cheyenne	39	0	1	9	1	2	1	1	2
Clark	38	0	0	6	3	1	0	1	0
Clay	106	0	3	19	3	8	0	1	0
Cloud	129	0	4	24	5	9	2	1	2
Coffey	107	0	2	20	2	5	3	2	1
Comanche	29	0	1	6	5	1	0	0	0
Cowley	453	0	11	87	15	19	13	11	8
Crawford	430	0	8	93	23	25	3	14	4
Decatur	68	0	1	15	2	4	0	3	0
Dickinson	245	0	2	50	14	13	2	4	2
Doniphan	82	0	3	21	5	6	1	2	3
Douglas	590	0	12	125	26	31	12	13	8
Edwards	44	0	1	6	1	3	1	0	0
Elk	39	0	1	9	3	1	0	2	0
Ellis	233	0	5	39	10	11	2	4	3
Ellsworth	80	0	1	11	1	5	2	0	1
Finney	190	0	3	41	11	9	2	3	4
Ford	234	0	4	47	6	12	2	7	4
Franklin	232	0	3	52	10	17	4	4	5
Geary	196	0	0	45	12	15	2	8	2
Gove	39	0	1	6	2	1	1	0	0
Graham	32	0	0	9	3	4	0	1	0
Grant	45	0	1	14	3	5	1	1	0
Gray	43	0	0	9	1	3	0	3	0
Greeley	12	0	0	3	2	0	0	1	0
Greenwood	88	0	1	8	2	2	1	0	1
Hamilton	33	0	0	5	2	0	1	1	0
Harper	96	0	1	22	5	2	2	3	4
Harvey	379	0	10	80	16	22	3	13	3
Haskell	29	0	1	6	1	3	1	0	0
Hodgeman	17	0	0	4	0	2	0	0	1
Jackson	136	0	4	38	9	13	4	2	2
Jefferson	182	0	5	45	5	14	1	2	7
Jewell	46	0	0	8	2	2	1	0	1
Johnson	3,443	0	44	769	183	203	53	80	43
Kearny	49	0	1	10	3	3	0	1	1
Kingman	90	0	5	16	1	5	4	3	1
Kiowa	29	0	1	4	0	3	0	0	0
Labette	269	0	10	69	14	21	6	10	1
Lane	32	0	0	4	1	0	0	1	0
Leavenworth	566	0	15	129	31	48	4	8	6
Lincoln	52	0	2	9	1	3	1	0	1
Linn	107	0	1	27	4	10	2	2	2
Logan	34	0	0	8	4	1	2	1	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
Lyon	330	0	2	73	15	27	8	8	4
McPherson	374	0	5	68	13	21	2	7	1
Marion	185	0	2	35	9	5	5	6	4
Marshall	131	0	2	28	6	6	1	3	2
Meade	54	0	0	14	5	3	0	4	0
Miami	261	0	6	51	10	14	0	4	1
Mitchell	75	0	1	10	3	2	0	2	1
Montgomery	467	0	5	104	22	31	5	8	5
Morris	88	0	1	23	5	7	1	3	2
Morton	50	0	2	7	0	2	0	4	0
Nemaha	142	0	3	24	6	8	1	3	1
Neosho	220	0	9	39	14	8	2	4	2
Ness	42	0	0	7	2	1	1	0	0
Norton	51	0	2	6	3	2	0	0	0
Osage	175	0	2	42	9	15	5	2	4
Osborne	63	0	1	9	1	2	0	3	0
Ottawa	68	0	2	14	3	3	0	0	0
Pawnee	73	0	0	16	6	3	1	2	0
Phillips	94	0	3	24	5	6	1	3	1
Pottawatomie	137	0	2	30	5	8	0	2	3
Pratt	128	0	2	30	4	9	1	5	3
Rawlins	32	0	1	6	1	0	0	0	1
Reno	731	0	23	146	31	44	9	12	7
Republic	95	0	0	13	4	3	0	2	0
Rice	130	0	0	28	7	13	2	2	0
Riley	334	0	10	80	27	15	3	7	5
Rooks	63	0	1	14	6	3	2	1	0
Rush	50	0	0	8	1	4	0	1	1
Russell	91	0	2	18	2	3	0	1	2
Saline	527	0	16	113	24	35	8	10	8
Scott	65	0	1	17	2	3	0	2	0
Sedgwick	4,027	0	118	897	228	246	61	87	51
Seward	124	0	6	24	7	6	1	3	5
Shawnee	1,687	0	46	377	85	124	17	36	27
Sheridan	32	0	1	8	2	0	0	2	0
Sherman	78	0	0	11	2	5	2	0	0
Smith	60	0	0	14	2	7	0	0	1
Stafford	63	0	1	12	3	4	2	2	0
Stanton	16	0	1	3	1	0	0	1	0
Stevens	43	0	0	7	0	2	2	1	1
Sumner	290	0	5	51	13	14	3	4	4
Thomas	61	0	3	14	6	2	1	1	0
Trego	49	0	2	10	1	1	1	0	0
Wabaunsee	75	0	1	13	5	2	0	2	2
Wallace	17	0	2	3	2	1	0	0	0
Washington	70	0	0	15	3	3	1	3	2
Wichita	25	0	0	6	2	1	2	0	0
Wilson	115	0	5	19	4	4	0	2	2
Woodson	50	0	0	19	9	4	1	1	0
Wyandotte	1,338	2	38	353	88	110	29	31	21
N.S.	1	0	0	0	0	0	0	0	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio-vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hyperten-sive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Kansas	243	1,156	708	794	7,343	5,321	28	113	3,035	2,145
Allen	2	5	5	7	73	50	1	0	27	22
Anderson	0	8	1	6	28	23	0	0	11	12
Atchison	3	10	10	5	50	36	0	1	17	18
Barber	0	5	1	2	15	14	0	0	9	5
Barton	3	11	12	13	108	92	0	6	56	30
Bourbon	2	9	10	4	54	37	0	0	22	15
Brown	2	5	9	8	45	36	0	0	21	15
Butler	6	26	12	11	179	140	1	6	75	58
Chase	1	1	2	1	7	5	0	0	2	3
Chautauqua	0	5	1	4	19	15	0	0	12	3
Cherokee	1	9	13	16	78	66	0	0	47	19
Cheyenne	0	2	2	1	9	6	0	0	5	1
Clark	0	1	0	3	10	5	0	0	3	2
Clay	2	5	1	2	37	26	1	2	12	11
Cloud	0	5	3	8	31	22	0	2	16	4
Coffey	1	6	3	6	37	25	0	0	11	14
Comanche	0	0	1	1	5	2	0	0	2	0
Cowley	2	19	20	29	125	90	2	3	54	31
Crawford	4	20	13	29	135	108	0	5	74	29
Decatur	2	4	1	1	24	20	0	0	12	8
Dickinson	3	12	1	6	90	71	0	3	46	22
Doniphan	1	3	2	1	22	15	0	0	11	4
Douglas	4	31	22	20	173	115	1	2	65	47
Edwards	0	1	2	2	18	14	0	1	9	4
Elk	0	3	1	0	16	10	0	0	8	2
Ellis	0	9	5	18	61	41	0	0	28	13
Ellsworth	0	2	3	2	35	25	0	0	19	6
Finney	2	10	7	2	55	38	0	0	23	15
Ford	2	14	6	1	73	57	0	1	25	31
Franklin	1	11	6	6	53	37	1	1	21	14
Geary	1	5	4	7	65	53	0	0	40	13
Gove	0	2	1	1	10	9	0	0	5	4
Graham	0	1	3	0	8	7	0	0	5	2
Grant	0	4	0	2	16	14	0	0	5	9
Gray	0	2	0	5	13	7	0	1	2	4
Greeley	0	0	1	0	1	1	0	0	0	1
Greenwood	1	1	2	5	33	31	0	2	17	12
Hamilton	0	1	2	1	10	8	0	0	8	0
Harper	2	4	8	1	22	13	0	1	7	5
Harvey	6	17	14	29	109	84	1	0	60	23
Haskell	1	0	2	0	11	8	0	0	7	1
Hodgeman	0	1	0	1	3	3	0	0	0	3
Jackson	3	5	0	5	37	26	0	0	11	15
Jefferson	4	12	3	6	48	34	0	0	18	16
Jewell	1	1	1	0	18	12	0	1	8	3
Johnson	35	172	64	103	1,107	668	5	12	376	275
Kearny	0	2	2	1	9	7	0	0	5	2
Kingman	1	1	7	3	26	20	1	1	12	6
Kiowa	0	1	0	0	7	7	0	0	4	3
Labette	5	12	9	7	69	49	0	0	28	21
Lane	1	1	0	2	16	11	0	0	7	4
Leavenworth	3	29	22	22	167	132	0	1	88	43
Lincoln	0	3	0	1	18	14	0	0	9	5
Linn	0	7	1	7	36	27	0	0	15	12
Logan	0	0	1	2	7	4	0	0	3	1

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio-vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hyperten-sive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Lyon	3	8	8	7	108	93	1	1	44	47
McPherson	4	20	8	19	98	69	1	1	41	26
Marion	1	5	5	12	46	28	0	0	15	13
Marshall	2	8	4	5	54	45	0	0	24	21
Meade	1	1	2	0	16	14	0	1	7	6
Miami	4	18	5	7	85	68	0	2	45	21
Mitchell	0	2	5	3	21	18	0	1	12	5
Montgomery	9	24	17	17	142	103	0	2	64	37
Morris	1	4	2	2	35	23	0	0	13	10
Morton	0	1	1	1	13	8	0	0	7	1
Nemaha	1	4	3	12	49	33	1	0	17	15
Neosho	1	8	0	1	69	61	0	0	35	26
Ness	2	1	1	1	17	12	0	0	5	7
Norton	1	0	0	0	26	23	0	0	5	18
Osage	1	6	5	0	68	44	0	0	22	22
Osborne	0	3	1	0	26	21	0	0	17	4
Ottawa	3	5	4	5	20	12	0	1	9	2
Pawnee	1	3	1	3	18	13	0	0	5	8
Phillips	1	7	5	0	32	20	0	6	6	8
Pottawatomie	2	10	2	4	52	37	0	0	25	12
Pratt	2	6	4	5	40	29	0	3	12	14
Rawlins	0	4	1	0	14	9	0	1	4	4
Reno	6	37	29	27	154	106	1	4	59	42
Republic	2	2	2	3	37	29	0	0	16	13
Rice	0	4	4	8	38	21	0	0	12	9
Riley	1	22	10	7	73	48	2	0	22	24
Rooks	0	2	2	3	15	11	0	0	6	5
Rush	0	1	2	1	16	9	0	0	7	2
Russell	1	9	5	2	31	28	0	1	17	10
Saline	2	26	15	23	150	111	0	3	58	50
Scott	1	9	0	4	19	15	0	0	10	5
Sedgwick	50	174	107	82	1,099	834	3	19	458	354
Seward	0	2	2	0	43	35	1	1	20	13
Shawnee	14	74	41	48	464	354	2	9	185	158
Sheridan	1	3	0	1	8	7	0	0	6	1
Sherman	0	2	2	7	26	20	0	0	17	3
Smith	1	3	1	2	18	14	0	0	7	7
Stafford	0	1	2	1	22	17	0	1	8	8
Stanton	0	1	0	1	3	2	0	0	2	0
Stevens	0	1	3	0	6	5	0	0	5	0
Sumner	1	12	19	10	90	71	0	1	43	27
Thomas	2	2	2	1	14	11	0	0	5	6
Trego	3	4	1	0	18	12	0	0	5	7
Wabaunsee	0	2	2	1	18	12	0	0	4	8
Wallace	0	0	1	0	5	3	0	0	2	1
Washington	0	3	0	7	15	7	0	0	5	2
Wichita	0	1	2	1	5	4	0	0	2	2
Wilson	1	6	5	0	35	29	0	2	15	12
Woodson	1	3	2	2	17	12	0	0	7	5
Wyandotte	8	66	41	22	323	220	2	1	114	103
N.S.	0	0	0	0	1	1	0	0	1	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	Selected Causes of Death (ICD-10)								
	Primary Hypertension/ Hypertensive Renal Disease & Secondary Hypertension (I10, I12, I15)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arter-ies, Arteri oles and Capillaries (I71-I78)	Pneumonia and Influenza (J09-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Kansas	155	1,333	342	192	639	1,654	38	254	577
Allen	1	12	8	2	5	10	0	0	7
Anderson	0	4	0	1	3	9	0	2	1
Atchison	1	11	0	2	3	13	0	1	5
Barber	0	1	0	0	2	5	0	0	0
Barton	1	15	0	0	9	23	1	2	10
Bourbon	1	14	1	1	7	7	0	1	3
Brown	1	5	1	2	6	6	0	3	2
Butler	5	30	3	1	18	39	1	6	11
Chase	0	2	0	0	0	3	0	1	1
Chautauqua	0	4	0	0	4	3	0	0	3
Cherokee	2	8	0	2	12	29	2	3	3
Cheyenne	0	2	0	1	0	3	1	1	0
Clark	0	5	0	0	2	2	0	0	0
Clay	1	9	1	0	5	3	1	2	5
Cloud	1	8	0	0	11	7	0	0	5
Coffey	0	8	1	3	2	4	0	0	1
Comanche	0	3	0	0	1	1	0	1	2
Cowley	3	24	2	6	12	44	1	4	13
Crawford	3	17	2	5	14	23	0	4	10
Decatur	1	2	0	1	3	3	0	0	1
Dickinson	1	16	1	1	3	31	0	1	5
Doniphan	2	3	1	1	6	10	0	0	1
Douglas	8	39	6	5	8	33	2	7	9
Edwards	1	2	0	1	1	1	0	1	0
Elk	0	6	0	0	1	1	0	0	0
Ellis	0	12	7	1	5	11	0	6	4
Ellsworth	3	7	0	0	5	10	2	0	4
Finney	0	13	0	4	5	9	0	4	5
Ford	1	13	0	2	8	19	0	3	4
Franklin	1	7	3	5	4	17	0	4	7
Geary	3	7	1	1	3	9	0	1	2
Gove	0	1	0	0	1	6	0	1	1
Graham	0	1	0	0	1	0	0	0	0
Grant	0	2	0	0	5	1	0	0	1
Gray	1	4	0	1	2	4	0	0	1
Greeley	0	0	0	0	0	1	0	0	0
Greenwood	1	1	0	0	1	12	0	2	2
Hamilton	0	2	0	0	0	1	0	0	1
Harper	1	5	0	3	2	10	0	0	1
Harvey	3	19	3	0	5	24	2	2	7
Haskell	0	3	0	0	0	2	0	0	1
Hodgeman	0	0	0	0	0	2	0	0	0
Jackson	1	8	0	2	2	10	0	2	4
Jefferson	0	10	2	2	4	9	0	6	0
Jewell	0	6	0	0	5	2	0	0	1
Johnson	18	184	215	22	67	186	2	26	70
Kearny	0	1	0	1	3	8	0	0	1
Kingman	0	5	1	0	0	6	0	0	3
Kiowa	0	0	0	0	1	3	0	0	2
Labette	0	17	0	3	6	14	0	2	6
Lane	0	5	0	0	0	2	0	0	1
Leavenworth	6	18	5	6	8	33	3	9	9
Lincoln	0	4	0	0	5	4	0	0	2
Linn	3	5	0	1	3	4	0	1	4
Logan	0	3	0	0	1	2	0	0	3

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	Selected Causes of Death (ICD-10)								
	Primary Hypertension/ Hypertensive Renal Disease & Secondary Hypertension (I10, I12, I15)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arter-ies, Arteri oles and Capillaries (I71-I78)	Pneumonia and Influenza (J09-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Lyon	0	11	0	4	7	17	0	5	7
McPherson	0	26	1	2	12	20	1	4	4
Marion	2	12	2	2	5	10	0	0	7
Marshall	1	8	0	0	6	4	0	1	1
Meade	0	2	0	0	1	7	0	0	2
Miami	1	10	3	3	7	10	0	1	7
Mitchell	0	2	0	1	4	6	0	1	1
Montgomery	5	21	8	5	16	34	0	5	6
Morris	1	7	1	3	2	6	0	0	2
Morton	0	4	0	1	4	3	1	1	0
Nemaha	4	12	0	0	1	14	0	1	5
Neosho	0	6	0	2	16	16	1	1	11
Ness	0	4	0	1	2	2	0	0	0
Norton	0	2	0	1	0	2	0	0	1
Osage	2	21	0	1	5	9	0	2	4
Osborne	0	5	0	0	3	7	0	0	2
Ottawa	0	8	0	0	1	4	1	0	2
Pawnee	2	2	0	1	5	8	0	2	3
Phillips	2	6	3	1	2	7	1	1	3
Pottawatomie	1	12	0	2	1	5	0	2	0
Pratt	0	8	0	3	3	5	0	0	5
Rawlins	0	3	2	0	0	2	0	0	2
Reno	2	41	1	4	32	48	1	8	14
Republic	0	7	0	1	9	3	0	0	1
Rice	3	13	0	1	6	8	0	3	5
Riley	3	19	2	1	14	22	0	5	12
Rooks	1	3	0	0	3	1	0	3	1
Rush	0	6	1	0	1	2	1	1	3
Russell	0	3	0	0	3	6	1	2	2
Saline	4	27	5	3	11	32	0	6	15
Scott	1	2	0	1	0	7	0	0	1
Sedgwick	18	199	14	34	87	295	7	38	98
Seward	2	4	2	0	3	13	0	3	2
Shawnee	6	90	2	12	29	120	2	22	41
Sheridan	0	1	0	0	4	4	0	0	0
Sherman	0	5	0	1	0	6	0	2	2
Smith	0	3	0	1	2	4	0	0	1
Stafford	0	4	1	0	0	4	0	0	1
Stanton	0	1	0	0	0	1	0	0	0
Stevens	0	1	0	0	1	5	0	2	1
Sumner	3	11	2	3	5	13	0	2	7
Thomas	0	2	0	1	3	8	0	0	0
Trego	1	4	0	1	2	5	0	0	1
Wabaunsee	0	5	0	1	3	7	0	1	1
Wallace	0	1	0	1	0	4	0	0	0
Washington	2	5	0	1	2	5	0	1	1
Wichita	0	1	0	0	2	1	0	0	1
Wilson	0	4	1	1	4	12	1	1	7
Woodson	0	5	0	0	1	2	0	2	1
Wyandotte	13	61	27	2	19	84	2	16	38
N.S.	0	0	0	0	0	0	0	0	0

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects †	Suicide (U03, X60-X84, Y87.0)	Homicide (U01-U03, X85-Y09, Y87.1)	All Other Causes
Kansas	5	91	110	665	416	942	384	120	4,394
Allen	1	0	2	0	3	6	4	0	32
Anderson	0	0	0	5	3	3	0	0	13
Atchison	0	0	2	3	7	9	3	2	37
Barber	0	0	0	0	3	2	1	0	7
Barton	0	1	3	5	10	7	11	1	52
Bourbon	0	0	0	11	6	3	3	2	24
Brown	0	1	2	2	3	2	1	1	13
Butler	0	2	0	15	10	17	13	1	116
Chase	0	0	0	0	1	0	0	0	7
Chautauqua	0	0	0	1	0	3	2	0	5
Cherokee	0	2	1	1	5	12	6	0	35
Cheyenne	0	0	0	5	0	2	0	0	5
Clark	0	1	0	0	0	0	0	0	14
Clay	0	1	0	4	2	3	1	0	17
Cloud	1	0	1	8	1	5	2	0	18
Coffey	0	0	1	2	2	8	0	0	19
Comanche	0	0	0	2	2	3	1	0	2
Cowley	0	2	2	12	5	14	3	0	69
Crawford	0	2	0	8	6	12	4	1	68
Decatur	0	0	0	0	1	3	1	1	13
Dickinson	0	1	0	2	1	12	1	0	39
Doniphan	0	0	0	0	0	4	0	0	12
Douglas	0	1	0	13	8	24	7	1	125
Edwards	0	0	1	0	3	3	0	0	5
Elk	0	0	0	0	1	0	2	1	6
Ellis	0	2	3	2	8	7	7	0	50
Ellsworth	0	0	0	2	2	0	0	0	3
Finney	1	3	0	3	6	11	8	3	24
Ford	1	0	3	7	5	15	4	0	34
Franklin	0	0	0	1	5	9	3	0	62
Geary	0	0	3	1	2	11	8	4	31
Gove	0	1	0	0	3	1	1	0	5
Graham	0	0	0	0	0	2	1	0	8
Grant	0	0	0	0	1	0	0	0	4
Gray	0	1	0	0	0	1	0	0	7
Greeley	0	0	0	0	1	1	1	0	3
Greenwood	0	0	0	0	3	3	1	0	15
Hamilton	0	0	0	3	0	4	1	0	5
Harper	0	0	0	1	3	2	1	0	22
Harvey	0	1	1	9	7	21	3	0	55
Haskell	0	0	1	0	2	0	1	0	2
Hodgeman	0	0	0	0	1	1	1	0	4
Jackson	0	0	0	1	3	6	3	2	19
Jefferson	0	2	0	3	9	8	3	0	31
Jewell	0	0	0	1	0	2	0	0	8
Johnson	1	16	16	117	38	91	65	12	649
Kearny	0	1	0	0	1	5	0	0	7
Kingman	0	2	0	3	2	4	0	0	13
Kiowa	0	0	0	0	1	1	2	0	7
Labette	0	1	1	5	10	14	2	0	44
Lane	0	0	0	0	3	1	1	0	2
Leavenworth	0	1	2	18	6	19	8	5	90
Lincoln	0	0	0	0	0	5	0	0	6
Linn	0	0	0	1	1	4	0	0	17
Logan	0	0	0	0	1	1	0	0	8

Table 73
Selected Causes of Death by County of Residence
Kansas, 2011

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Origina-ting in the Peri-natal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects †	Suicide (U03, X60-X84, Y87.0)	Homicide (U01-U03, X85-Y09, Y87.1)	All Other Causes
Lyon	0	1	1	16	11	12	10	1	44
McPherson	0	3	3	6	5	13	5	1	99
Marion	0	1	0	19	2	9	0	1	31
Marshall	0	2	2	0	2	0	0	1	19
Meade	0	0	1	1	3	0	0	0	7
Miami	0	1	1	4	8	9	5	0	54
Mitchell	0	0	0	2	1	4	2	0	14
Montgomery	0	2	0	11	8	17	6	2	75
Morris	0	1	0	1	2	2	1	1	7
Morton	0	0	0	1	2	1	0	0	13
Nemaha	0	0	0	4	1	5	1	0	19
Neosho	0	0	0	9	2	6	5	0	35
Ness	0	0	0	1	0	2	1	0	8
Norton	0	0	0	0	4	2	1	0	7
Osage	0	0	0	3	4	9	0	0	22
Osborne	0	0	0	0	0	1	0	0	13
Ottawa	0	0	0	1	1	2	1	1	9
Pawnee	0	0	0	5	1	1	1	0	9
Phillips	0	0	0	0	1	2	0	0	13
Pottawatomie	0	0	0	7	4	5	4	0	19
Pratt	0	1	1	0	3	6	5	0	18
Rawlins	0	1	0	1	0	1	0	0	3
Reno	0	3	2	37	16	40	11	2	138
Republic	0	0	0	2	2	4	0	0	19
Rice	0	0	0	2	1	1	0	0	26
Riley	0	1	2	4	5	12	6	2	69
Rooks	0	0	0	2	0	3	0	0	15
Rush	0	0	1	0	2	3	1	0	8
Russell	0	0	1	0	3	2	1	0	12
Saline	0	1	3	14	5	22	6	2	93
Scott	0	0	0	0	0	6	1	0	9
Sedgwick	0	14	23	94	54	188	58	23	745
Seward	0	1	0	1	0	5	2	0	19
Shawnee	0	6	6	43	21	66	23	16	316
Sheridan	0	0	0	0	0	2	0	0	4
Sherman	0	1	1	1	2	4	2	0	11
Smith	0	0	0	1	1	2	0	0	14
Stafford	0	0	0	0	3	3	0	0	14
Stanton	0	0	0	1	1	1	0	0	4
Stevens	0	0	0	1	2	0	2	0	13
Sumner	0	2	1	4	6	12	0	2	61
Thomas	0	0	0	1	1	3	1	0	10
Trego	0	0	0	0	0	1	2	1	6
Wabaunsee	0	1	0	1	2	2	1	0	21
Wallace	0	0	0	0	1	1	0	0	0
Washington	0	1	0	1	1	3	0	0	18
Wichita	0	0	0	0	0	4	0	0	3
Wilson	0	0	1	1	1	3	1	0	19
Woodson	0	0	0	0	1	0	0	0	3
Wyandotte	0	2	15	85	13	33	27	27	198
N.S.	0	0	0	0	0	0	0	0	0

* Motor-Vehicle ICD-10 Codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

† All Other Accidents: V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

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MARRIAGES & MARRIAGE DISSOLUTIONS

Table 74
Marriages by Number and Rate*
by County of Marriage and by Peer Group†
Kansas, 2007-2011

County of Marriage	Year										5-Year Rate
	2007		2008		2009		2010		2011		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Kansas	18,910	6.8	18,717	6.7	18,268	6.5	18,150	6.4	17,897	6.2	6.5
Allen	76	5.7	62	4.7	56	4.2	68	5.1	60	4.5	4.8
Anderson	32	4.0	50	6.3	41	5.2	33	4.1	56	6.9	5.3
Atchison	124	7.5	121	7.3	100	6.1	100	5.9	88	5.2	6.4
Barber	38	7.9	53	11.3	39	8.5	39	8.0	41	8.4	8.8
Barton	216	7.8	191	6.9	212	7.7	216	7.8	202	7.3	7.5
Bourbon	105	7.1	137	9.2	128	8.6	88	5.8	94	6.3	7.4
Brown	59	5.9	67	6.7	67	6.7	81	8.1	67	6.7	6.8
Butler	401	6.4	364	5.7	401	6.3	397	6.0	394	6.0	6.1
Chase	19	6.6	27	9.6	22	7.9	24	8.6	29	10.3	8.6
Chautauqua	24	6.3	21	5.6	25	6.7	28	7.6	23	6.4	6.5
Cherokee	127	6.0	114	5.4	98	4.7	114	5.3	85	4.0	5.1
Cheyenne	18	6.4	21	7.7	11	4.1	9	3.3	19	7.0	5.7
Clark	16	7.6	6	2.8	10	4.8	16	7.2	13	6.1	5.7
Clay	60	6.9	65	7.3	56	6.4	67	7.9	90	10.5	7.8
Cloud	64	6.8	67	7.1	55	5.9	55	5.8	59	6.3	6.4
Coffey	52	6.2	57	6.8	57	6.8	51	5.9	48	5.6	6.2
Comanche	10	5.3	12	6.2	15	8.0	13	6.9	11	5.8	6.4
Cowley	245	7.2	237	7.0	244	7.3	219	6.0	257	7.1	6.9
Crawford	226	5.8	217	5.6	198	5.1	199	5.1	180	4.6	5.2
Decatur	29	9.8	20	6.9	21	7.4	17	5.7	18	6.2	7.2
Dickinson	138	7.3	148	7.7	135	7.1	147	7.4	164	8.3	7.6
Doniphan	47	6.1	45	5.8	63	8.3	44	5.5	54	6.8	6.5
Douglas	719	6.3	710	6.2	750	6.4	773	7.0	750	6.7	6.5
Edwards	11	3.5	18	5.8	16	5.2	21	6.9	19	6.3	5.5
Elk	9	3.0	17	5.6	19	6.3	12	4.2	17	6.0	5.0
Ellis	220	8.0	208	7.5	225	8.1	204	7.2	194	6.7	7.5
Ellsworth	49	7.8	37	5.9	44	7.1	34	5.2	38	5.9	6.4
Finney	241	6.3	272	6.6	256	6.1	232	6.3	250	6.7	6.4
Ford	244	7.3	267	8.0	268	8.0	252	7.4	258	7.5	7.6
Franklin	160	6.0	170	6.4	180	6.8	158	6.1	163	6.3	6.3
Geary	570	22.7	617	19.8	646	20.3	687	20.0	548	15.5	19.4
Gove	20	7.6	15	5.9	16	6.5	10	3.7	11	4.1	5.5
Graham	24	9.2	28	10.8	15	6.2	20	7.7	17	6.4	8.1
Grant	56	7.5	55	7.4	55	7.5	59	7.5	47	5.9	7.2
Gray	30	5.3	35	6.2	28	4.7	33	5.5	32	5.2	5.4
Greeley	4	3.1	4	3.2	4	3.2	3	2.4	8	6.4	3.6
Greenwood	43	6.1	35	5.1	39	5.9	38	5.7	46	6.9	5.9
Hamilton	20	7.6	16	6.1	18	6.9	14	5.2	17	6.4	6.4
Harper	42	7.2	47	8.0	50	8.8	36	6.0	37	6.2	7.2
Harvey	226	6.7	249	7.4	238	6.9	240	6.9	228	6.5	6.9
Haskell	25	6.2	24	6.1	16	4.0	30	7.0	29	6.8	6.0
Hodgeman	6	3.0	9	4.6	12	6.3	14	7.3	11	5.6	5.4
Jackson	64	4.8	80	6.0	84	6.3	81	6.0	78	5.8	5.8
Jefferson	125	6.8	118	6.4	107	5.9	120	6.3	99	5.2	6.1
Jewell	21	6.6	12	3.8	15	4.9	17	5.5	22	7.1	5.6
Johnson	2,774	5.3	2,611	4.9	2,572	4.7	2,456	4.5	2,456	4.4	4.8
Kearny	24	5.8	26	6.3	15	3.6	26	6.5	23	5.8	5.6
Kingman	52	6.6	42	5.4	42	5.5	43	5.5	41	5.2	5.7
Kiowa	13	4.4	6	2.4	14	6.0	9	3.5	9	3.5	3.9
Labette	119	5.4	111	5.1	118	5.4	97	4.5	116	5.4	5.2
Lane	11	6.3	5	2.9	11	6.3	13	7.4	5	2.9	5.2
Leavenworth	451	6.1	436	5.9	440	5.8	399	5.2	445	5.8	5.8
Lincoln	22	6.7	11	3.4	20	6.4	15	4.6	19	5.9	5.4
Linn	43	4.4	49	5.1	36	3.9	46	4.8	47	4.9	4.6
Logan	16	6.1	23	8.9	24	9.4	26	9.4	28	10.1	8.8

Table 74
Marriages by Number and Rate*
by County of Marriage and by Peer Group†
Kansas, 2007-2011

County of Marriage	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Lyon	238	6.6	238	6.7	204	6.1	237	7.0	207	6.1	6.5
McPherson	227	7.8	202	7.0	210	7.3	171	5.9	191	6.5	6.9
Marion	77	6.3	69	5.7	63	5.3	66	5.2	59	4.7	5.4
Marshall	90	8.8	57	5.6	62	6.1	77	7.6	71	7.1	7.1
Meade	34	7.7	38	8.7	28	6.4	26	5.7	30	6.6	7.0
Miami	228	7.3	239	7.7	227	7.3	235	7.2	246	7.5	7.4
Mitchell	62	9.8	44	7.0	47	7.4	49	7.7	42	6.7	7.7
Montgomery	251	7.3	240	7.0	278	8.1	219	6.2	247	7.1	7.1
Morris	44	7.4	33	5.5	41	6.8	30	5.1	42	7.1	6.4
Morton	26	8.6	16	5.4	28	9.2	25	7.7	27	8.4	7.9
Nemaha	79	7.7	77	7.6	74	7.4	77	7.6	55	5.4	7.2
Neosho	121	7.5	115	7.1	95	5.9	111	6.7	117	7.1	6.9
Ness	17	5.7	15	5.1	21	7.4	11	3.5	16	5.1	5.3
Norton	37	6.8	31	5.8	18	3.4	33	5.8	40	7.1	5.8
Osage	80	4.9	80	4.9	67	4.2	85	5.2	73	4.5	4.7
Osborne	20	5.2	26	6.8	28	7.3	20	5.2	29	7.5	6.4
Ottawa	31	5.2	30	5.0	32	5.4	38	6.2	32	5.2	5.4
Pawnee	41	6.4	29	4.6	54	8.7	45	6.5	33	4.7	6.1
Phillips	42	7.8	36	6.7	33	6.3	35	6.2	27	4.9	6.4
Pottawatomie	126	6.5	112	5.7	85	4.3	101	4.7	91	4.2	5.0
Pratt	77	8.2	75	8.0	70	7.5	77	8.0	65	6.7	7.7
Rawlins	15	5.9	13	5.2	12	4.9	13	5.2	21	8.4	5.9
Reno	480	7.6	477	7.5	421	6.6	434	6.7	488	7.6	7.2
Republic	32	6.5	46	9.6	22	4.6	24	4.8	22	4.5	6.0
Rice	53	5.3	56	5.6	52	5.2	35	3.5	42	4.2	4.7
Riley	547	7.9	620	8.7	680	9.5	664	9.3	647	8.9	8.9
Rooks	34	6.6	34	6.6	27	5.4	28	5.4	29	5.6	5.9
Rush	17	5.3	17	5.3	12	3.8	13	3.9	23	7.1	5.1
Russell	50	7.4	59	8.9	44	6.7	35	5.0	58	8.3	7.3
Saline	485	8.9	420	7.7	375	6.9	398	7.2	392	7.0	7.5
Scott	36	7.9	42	9.2	27	5.9	42	8.5	24	4.9	7.3
Sedgwick	3,558	7.5	3,644	7.5	3,488	7.1	3,393	6.8	3,311	6.6	7.1
Seward	196	8.5	198	8.6	167	7.3	182	7.9	156	6.7	7.8
Shawnee	1,179	6.8	1,156	6.6	1,132	6.4	1,178	6.6	1,092	6.1	6.5
Sheridan	15	6.0	17	6.8	14	5.7	12	4.7	13	5.1	5.7
Sherman	50	8.4	37	6.2	47	8.0	44	7.3	30	5.0	7.0
Smith	27	6.8	21	5.4	18	4.8	31	8.0	18	4.7	6.0
Stafford	35	8.0	23	5.3	28	6.4	25	5.6	22	5.0	6.1
Stanton	10	4.6	13	6.1	14	6.6	16	7.2	8	3.6	5.6
Stevens	40	7.9	26	5.1	33	6.4	43	7.5	39	6.9	6.8
Sumner	187	7.8	182	7.7	187	8.0	192	8.0	163	6.9	7.7
Thomas	55	7.5	58	8.0	39	5.3	49	6.2	50	6.3	6.6
Trego	24	8.2	19	6.6	23	7.9	13	4.3	23	7.8	7.0
Wabaunsee	42	6.1	36	5.2	43	6.3	47	6.7	41	5.8	6.0
Wallace	13	8.9	7	5.0	10	7.1	11	7.4	9	5.9	6.9
Washington	42	7.2	43	7.4	32	5.6	40	6.9	42	7.2	6.9
Wichita	2	0.9	20	9.3	17	8.1	8	3.6	14	6.2	5.6
Wilson	66	6.7	57	5.9	68	7.2	59	6.3	46	4.9	6.2
Woodson	13	3.9	23	7.0	17	5.2	23	7.0	17	5.2	5.7
Wyandotte	1,079	7.0	1,086	7.0	1,007	6.5	1,087	6.9	1,157	7.3	7.0
Peer Group											
Frontier	551	6.3	551	6.4	542	6.4	680	6.0	718	6.3	6.2
Rural	1,823	6.7	1,752	6.4	1,668	6.2	1,492	6.3	1,438	6.1	6.3
Densely -Settled Rural	2,964	7.0	2,920	6.9	2,821	6.6	3,061	6.4	2,997	6.3	6.6
Semi-Urban	4,263	7.8	4,287	7.7	4,288	7.7	3,631	7.9	3,533	7.6	7.7
Urban	9,309	6.4	9,207	6.3	8,949	6.0	9,286	5.9	9,211	5.8	6.1

* Rate per 1,000 population
† See Technical Notes for Peer Group definition.

Table 75
Marriage Dissolutions by Number and Rate*
by County of Action and by Peer Group†
Kansas, 2007-2011

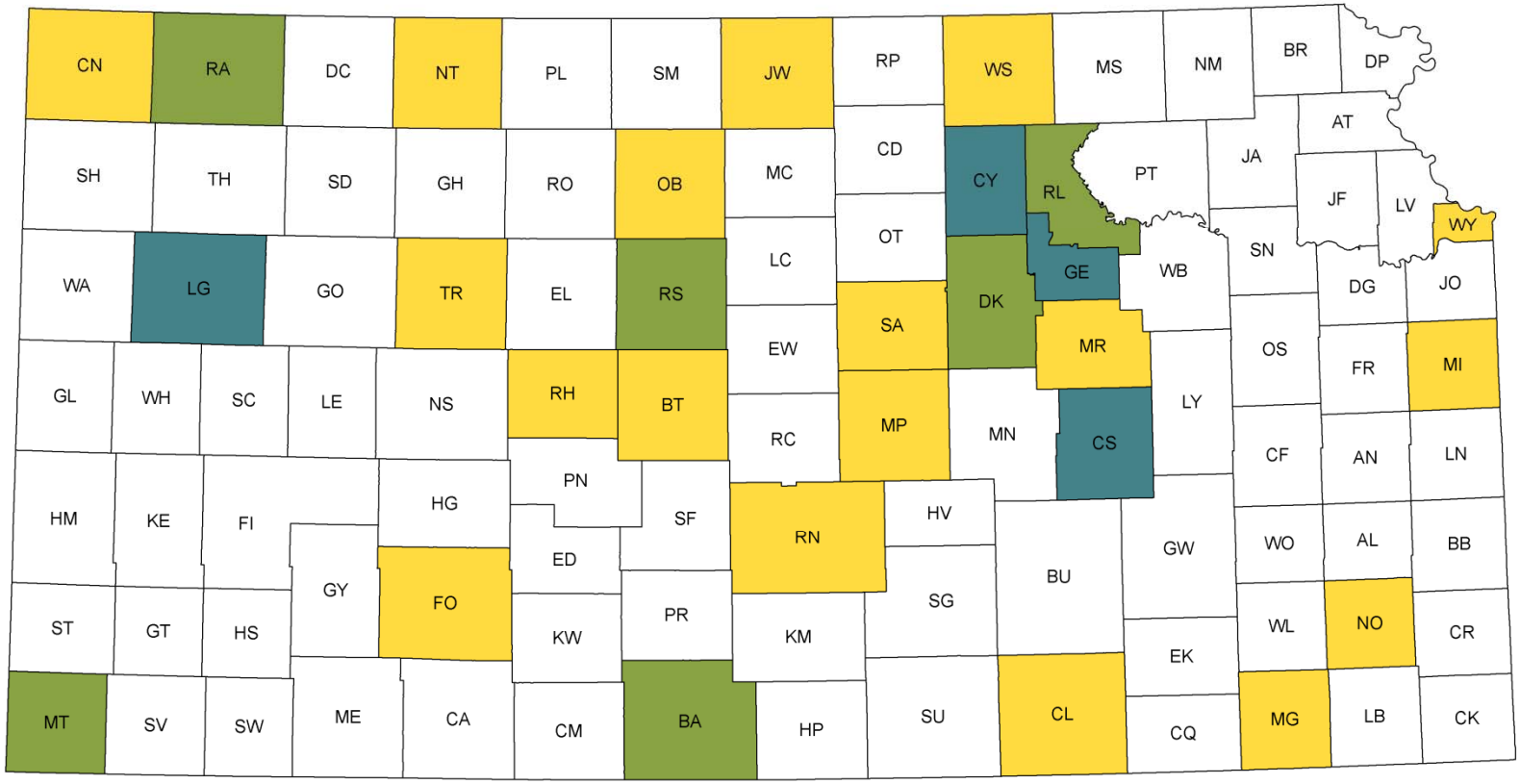
County of Action	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Kansas	9,347	3.4	9,818	3.5	10,333	3.7	10,579	3.7	10,445	3.6	3.6
Allen	30	2.2	32	2.4	43	3.3	32	2.4	28	2.1	2.5
Anderson	32	4.0	36	4.5	28	3.6	41	5.1	33	4.1	4.3
Atchison	37	2.2	51	3.1	59	3.6	42	2.5	47	2.8	2.8
Barber	16	3.3	9	1.9	17	3.7	20	4.1	17	3.5	3.3
Barton	106	3.8	102	3.7	91	3.3	84	3.0	70	2.5	3.3
Bourbon	80	5.4	76	5.1	84	5.6	66	4.3	67	4.5	5.0
Brown	23	2.3	35	3.5	25	2.5	16	1.6	18	1.8	2.3
Butler	167	2.6	192	3.0	169	2.6	155	2.4	197	3.0	2.7
Chase	4	1.4	6	2.1	8	2.9	5	1.8	2	0.7	1.8
Chautauqua	12	3.2	12	3.2	11	2.9	17	4.6	19	5.3	3.8
Cherokee	65	3.0	82	3.9	70	3.3	83	3.8	90	4.2	3.7
Cheyenne	5	1.8	8	2.9	14	5.2	12	4.4	11	4.0	3.7
Clark	7	3.3	6	2.8	3	1.4	3	1.4	7	3.3	2.4
Clay	22	2.5	27	3.0	17	2.0	18	2.1	21	2.4	2.4
Cloud	31	3.3	27	2.9	38	4.1	23	2.4	46	4.9	3.5
Coffey	148	17.5	152	18.1	104	12.3	124	14.4	84	9.8	14.4
Comanche	7	3.7	6	3.1	17	9.1	3	1.6	4	2.1	3.9
Cowley	139	4.1	152	4.5	131	3.9	150	4.1	155	4.3	4.2
Crawford	175	4.5	168	4.3	145	3.7	154	3.9	135	3.4	4.0
Decatur	9	3.0	7	2.4	12	4.2	12	4.1	11	3.8	3.5
Dickinson	92	4.9	104	5.4	84	4.4	96	4.9	66	3.3	4.6
Doniphan	27	3.5	14	1.8	28	3.7	31	3.9	21	2.6	3.1
Douglas	232	2.0	290	2.5	282	2.4	291	2.6	270	2.4	2.4
Edwards	13	4.2	18	5.8	9	2.9	11	3.6	7	2.3	3.8
Elk	8	2.6	14	4.6	5	1.7	6	2.1	12	4.3	3.0
Ellis	71	2.6	94	3.4	94	3.4	89	3.1	93	3.2	3.1
Ellsworth	34	5.4	51	8.2	38	6.1	47	7.2	46	7.1	6.8
Finney	88	2.3	116	2.8	122	2.9	108	2.9	107	2.9	2.8
Ford	117	3.5	110	3.3	109	3.2	131	3.9	116	3.4	3.5
Franklin	137	5.2	163	6.1	160	6.1	143	5.5	144	5.6	5.7
Geary	290	11.5	400	12.8	365	11.5	384	11.2	379	10.7	11.5
Gove	9	3.4	6	2.4	5	2.0	7	2.6	7	2.6	2.6
Graham	9	3.5	11	4.2	8	3.3	12	4.6	13	4.9	4.1
Grant	28	3.7	12	1.6	18	2.4	17	2.2	23	2.9	2.6
Gray	19	3.4	18	3.2	23	3.8	19	3.2	16	2.6	3.2
Greeley	3	2.3	7	5.5	0	0.0	2	1.6	3	2.4	2.4
Greenwood	25	3.6	32	4.7	26	3.9	24	3.6	15	2.3	3.6
Hamilton	8	3.0	8	3.0	2	0.8	4	1.5	11	4.1	2.5
Harper	23	4.0	23	3.9	14	2.5	17	2.8	24	4.0	3.4
Harvey	105	3.1	91	2.7	100	2.9	93	2.7	105	3.0	2.9
Haskell	6	1.5	3	0.8	7	1.7	10	2.3	6	1.4	1.6
Hodgeman	6	3.0	9	4.6	4	2.1	12	6.3	5	2.5	3.7
Jackson	17	1.3	30	2.3	41	3.1	33	2.5	32	2.4	2.3
Jefferson	39	2.1	36	2.0	41	2.3	65	3.4	56	3.0	2.5
Jewell	12	3.8	19	6.0	9	2.9	8	2.6	10	3.2	3.7
Johnson	1,001	1.9	1,002	1.9	1,406	2.6	1,620	3.0	1,799	3.3	2.5
Kearny	5	1.2	6	1.4	3	0.7	13	3.3	7	1.8	1.7
Kingman	29	3.7	25	3.2	27	3.6	29	3.7	30	3.8	3.6
Kiowa	7	2.4	4	1.6	5	2.2	7	2.7	5	2.0	2.2
Labette	80	3.6	104	4.8	96	4.4	95	4.4	83	3.9	4.2
Lane	9	5.2	13	7.5	9	5.2	8	4.6	7	4.0	5.3
Leavenworth	286	3.9	279	3.8	298	4.0	321	4.2	313	4.1	4.0
Lincoln	13	4.0	9	2.8	6	1.9	11	3.4	9	2.8	3.0
Linn	26	2.7	27	2.8	29	3.1	36	3.7	27	2.8	3.0
Logan	10	3.8	5	1.9	12	4.7	8	2.9	8	2.9	3.2

Table 75
Marriage Dissolutions by Number and Rate*
by County of Action and by Peer Group†
Kansas, 2007-2011

County of Action	Year 2007 Number	2007 Rate	2008 Number	2008 Rate	2009 Number	2009 Rate	2010 Number	2010 Rate	2011 Number	2011 Rate	5-Year Rate
Lyon	73	2.0	82	2.3	103	3.1	76	2.3	108	3.2	2.6
McPherson	84	2.9	103	3.5	86	3.0	90	3.1	99	3.4	3.2
Marion	30	2.5	45	3.7	36	3.0	29	2.3	28	2.2	2.7
Marshall	13	1.3	46	4.5	35	3.5	28	2.8	25	2.5	2.9
Meade	4	0.9	7	1.6	10	2.3	11	2.4	13	2.9	2.0
Miami	90	2.9	114	3.7	129	4.2	143	4.4	126	3.9	3.8
Mitchell	12	1.9	29	4.6	24	3.8	25	3.9	11	1.7	3.2
Montgomery	146	4.2	137	4.0	140	4.1	132	3.7	149	4.3	4.1
Morris	16	2.7	15	2.5	17	2.8	15	2.5	7	1.2	2.3
Morton	16	5.3	10	3.4	9	3.0	14	4.3	7	2.2	3.6
Nemaha	25	2.5	40	4.0	24	2.4	37	3.6	32	3.2	3.1
Neosho	64	3.9	61	3.8	75	4.7	67	4.1	54	3.3	3.9
Ness	15	5.0	9	3.1	10	3.5	6	1.9	11	3.5	3.4
Norton	29	5.3	34	6.3	30	5.6	27	4.8	32	5.7	5.5
Osage	79	4.8	83	5.1	86	5.3	92	5.6	77	4.7	5.1
Osborne	3	0.8	11	2.9	6	1.6	14	3.6	12	3.1	2.4
Ottawa	20	3.3	9	1.5	10	1.7	14	2.3	13	2.1	2.2
Pawnee	42	6.5	31	4.9	33	5.3	41	5.9	31	4.4	5.4
Phillips	14	2.6	16	3.0	26	4.9	21	3.7	13	2.3	3.3
Pottawatomie	30	1.5	35	1.8	57	2.9	58	2.7	54	2.5	2.3
Pratt	39	4.1	43	4.6	42	4.5	31	3.2	42	4.3	4.1
Rawlins	16	6.3	8	3.2	8	3.3	1	0.4	4	1.6	3.0
Reno	296	4.7	327	5.2	329	5.2	331	5.1	278	4.3	4.9
Republic	12	2.4	18	3.7	19	4.0	13	2.6	19	3.9	3.3
Rice	29	2.9	29	2.9	34	3.4	33	3.3	20	2.0	2.9
Riley	202	2.9	197	2.8	220	3.1	245	3.4	279	3.8	3.2
Rooks	20	3.9	17	3.3	20	4.0	13	2.5	16	3.1	3.4
Rush	9	2.8	18	5.6	8	2.5	12	3.6	8	2.5	3.4
Russell	25	3.7	20	3.0	26	3.9	28	4.0	26	3.7	3.7
Saline	260	4.8	204	3.7	232	4.3	254	4.6	253	4.5	4.4
Scott	15	3.3	9	2.0	22	4.8	18	3.6	17	3.5	3.4
Sedgwick	2,595	5.5	2,596	5.4	2,706	5.5	2,508	5.0	2,483	5.0	5.3
Seward	66	2.9	82	3.6	64	2.8	84	3.7	89	3.8	3.3
Shawnee	419	2.4	487	2.8	531	3.0	605	3.4	538	3.0	2.9
Sheridan	4	1.6	8	3.2	7	2.9	12	4.7	4	1.6	2.8
Sherman	29	4.9	20	3.3	30	5.1	42	7.0	17	2.8	4.6
Smith	4	1.0	11	2.8	6	1.6	12	3.1	16	4.2	2.5
Stafford	14	3.2	11	2.5	7	1.6	7	1.6	10	2.3	2.2
Stanton	11	5.1	8	3.7	6	2.8	12	5.4	8	3.6	4.1
Stevens	20	4.0	23	4.5	12	2.3	28	4.9	22	3.9	3.9
Sumner	105	4.4	73	3.1	95	4.0	89	3.7	61	2.6	3.6
Thomas	26	3.6	36	4.9	33	4.5	43	5.4	30	3.8	4.4
Trego	12	4.1	13	4.5	8	2.7	9	3.0	4	1.4	3.1
Wabaunsee	11	1.6	19	2.7	16	2.3	20	2.8	28	4.0	2.7
Wallace	4	2.7	3	2.1	2	1.4	6	4.0	3	2.0	2.5
Washington	12	2.1	13	2.2	16	2.8	10	1.7	22	3.8	2.5
Wichita	3	1.4	7	3.3	4	1.9	5	2.2	6	2.6	2.3
Wilson	47	4.8	53	5.5	34	3.6	32	3.4	40	4.3	4.3
Woodson	14	4.2	11	3.3	8	2.5	8	2.4	10	3.0	3.1
Wyandotte	224	1.5	198	1.3	271	1.7	260	1.7	253	1.6	1.5
Peer Group											
Frontier	261	3.0	284	3.3	232	2.7	381	3.3	329	2.9	3.1
Rural	989	3.6	1,097	4.0	1,000	3.7	898	3.8	842	3.5	3.7
Densely -Settled Rural	1,399	3.3	1,510	3.6	1,515	3.6	1,661	3.5	1,573	3.3	3.4
Semi-Urban	2,227	4.1	2,354	4.2	2,390	4.3	2,034	4.4	2,045	4.4	4.3
Urban	4,471	3.1	4,573	3.1	5,196	3.5	5,605	3.6	5,656	3.6	3.4

* Rate per 1,000 population
† See Technical Notes for Peer Group definition.

Marriage Rates
by County of Occurrence
Kansas, 2011



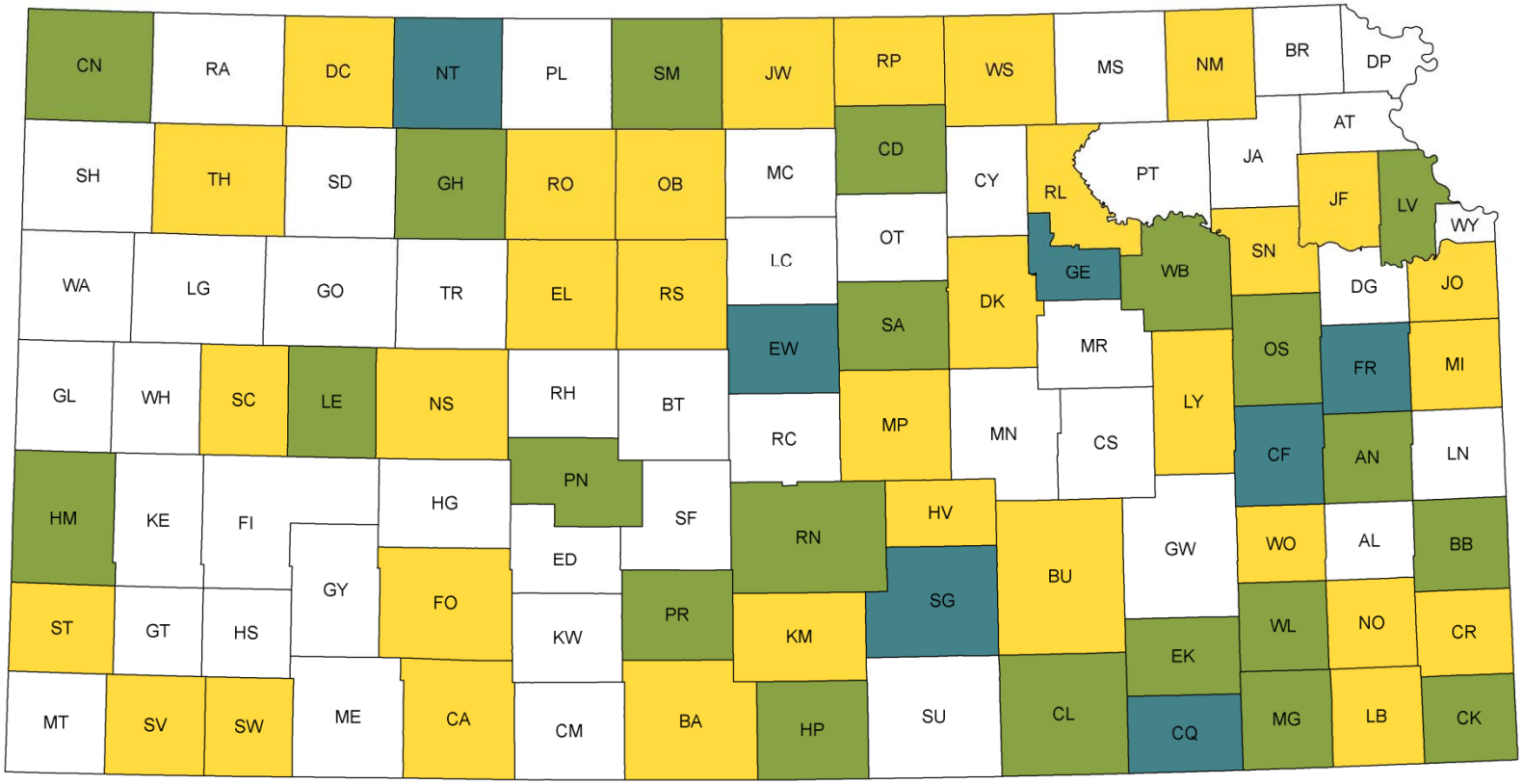
Legend

Under 7.0 | 7.0 - 7.9 | 8.0 - 8.9 | 9.0 and over

Figure 34

Marriage Dissolution Rates
by County of Occurrence

Kansas, 2011



Legend

Under 3.0 | 3.0 - 3.9 | 4.0 - 4.9 | 5.0 and over

Figure 35

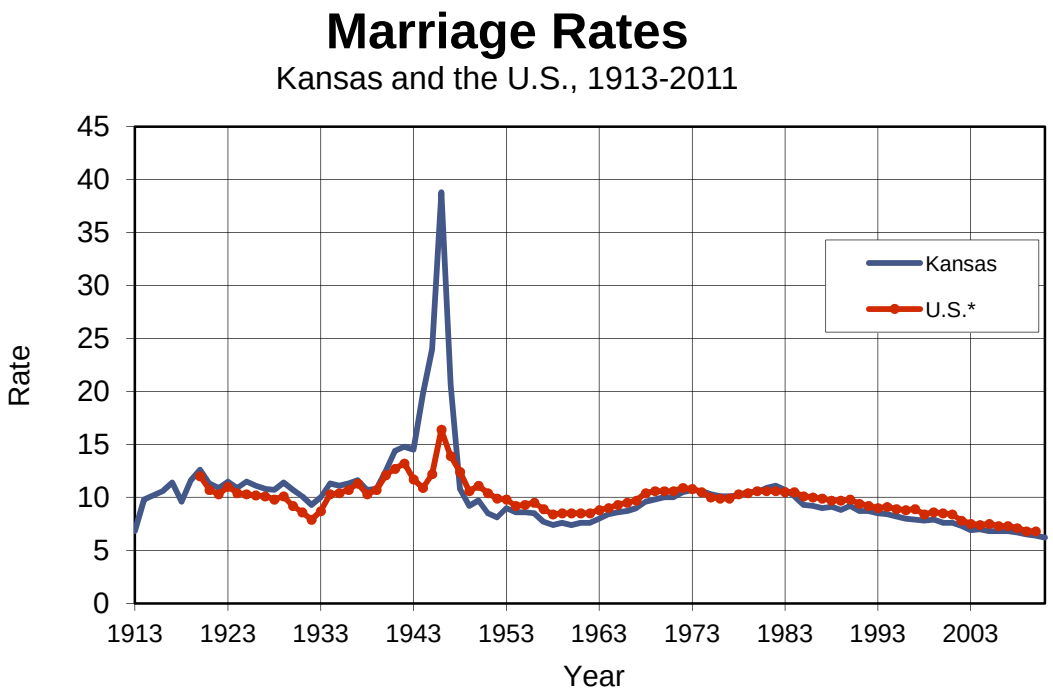


Figure 36

*1913-1919 not available, 1991-2010 Rates Provisional, 2011 Rates not yet available.

Rate per 1,000 Population

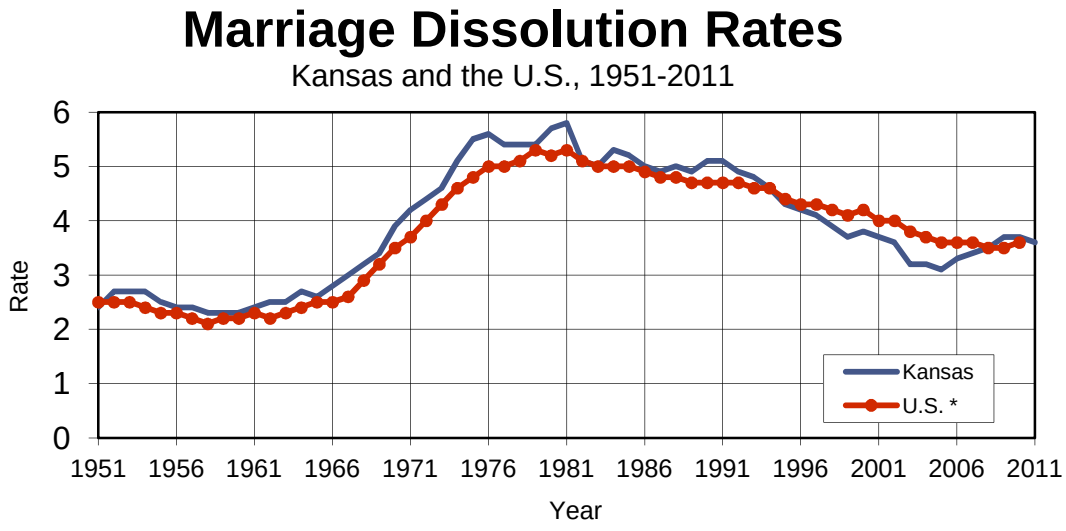


Figure 37

*1991-2010 Rates Provisional, 2011 Rates not yet available.

US rates from 2000 forward based on fewer than 50 states.

Rate per 1,000 Population

Table 76
Marriages by Population Group of Groom by Population Group of Bride
Kansas, 2011

Population Group of Groom	Total	Population Group of Bride						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other* Non-Hispanic	Hispanic Any Race	N.S.
Total.....	17,897	13,692	833	136	429	416	2,330	61
White Non-Hispanic....	13,413	12,239	95	92	170	204	593	20
Black Non-Hispanic....	1,177	331	677	8	19	64	77	1
Native American Non-Hispanic……	109	79	2	15	1	2	10	0
Asian/Pacific Non-Hispanic……	314	73	7	0	216	8	10	0
Other Non-Hispanic*...	404	236	20	6	8	81	48	5
Hispanic Any Race.....	2,411	708	29	15	15	55	1,581	8
N.S.....	69	26	3	0	0	2	11	27

* Includes selection of two or more races or other non-specified race

Table 77
Marriage Dissolutions by Population Group of Husband by Population Group of Wife
Kansas, 2011

Population Group of Husband	Total	Population Group of Wife						
		White Non-Hispanic	Black Non-Hispanic	Native American Non-Hispanic	Asian/Pacific Non-Hispanic	Other* Non-Hispanic	Hispanic Any Race	N.S.
Total.....	10,445	8,191	539	77	218	90	739	591
White Non-Hispanic....	7,977	7,477	47	52	91	36	194	80
Black Non-Hispanic....	761	213	467	6	7	12	37	19
Native American Non-Hispanic……	50	36	2	8	1	1	2	0
Asian/Pacific Non-Hispanic……	167	48	2	0	110	1	4	2
Other Non-Hispanic*...	119	60	9	2	2	29	5	12
Hispanic Any Race.....	812	271	8	5	6	9	488	25
N.S.....	559	86	4	4	1	2	9	453

* Includes selection of two or more races or other non-specified race

Number of Marriages by Month

Kansas, 2011

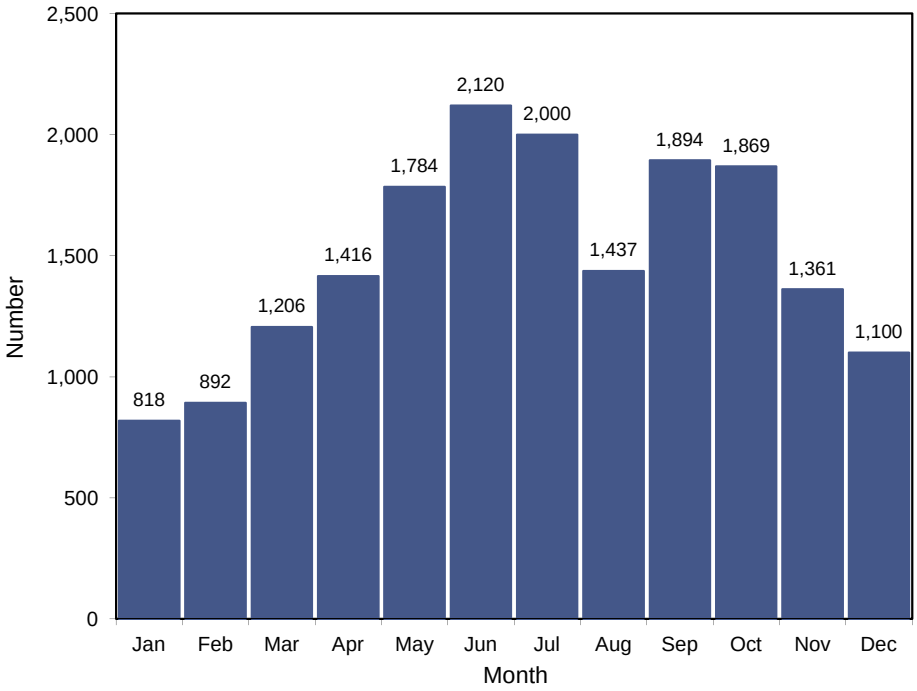


Figure 38

Table 78
Marriages by Premarital Status of Bride
by Premarital Status of Groom
Kansas, 2011

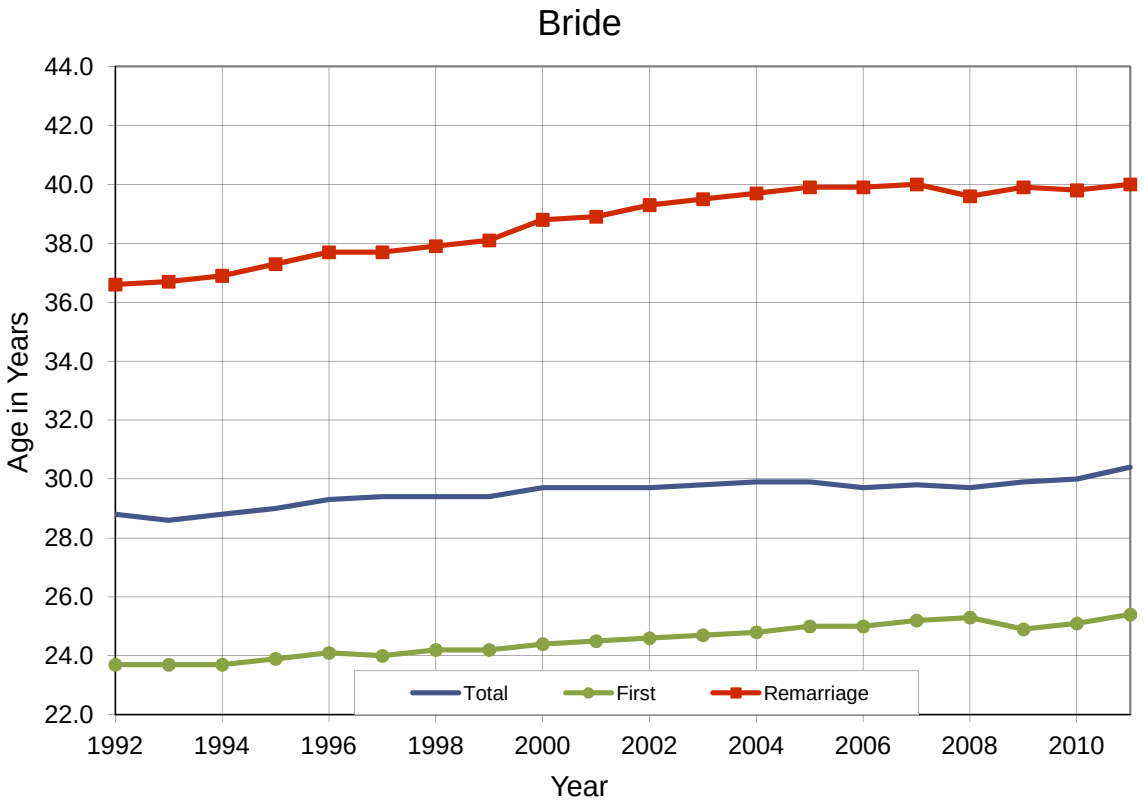
Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulled	Widowed	Not Stated
Total.....	17,897	11,754	5,552	117	449	25
Never Married.....	11,861	9,900	1,832	57	62	10
Divorced.....	5,450	1,729	3,447	46	225	3
Annulled.....	119	49	56	11	3	0
Widowed.....	436	60	214	3	158	1
Not Stated.....	31	16	3	0	1	11

Table 79
Marriages by Age-Group of Groom by Age-Group of Bride
Kansas, 2011

Age-Group of Groom	Total	Age-Group of Bride													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total	17,897	1,145	5,372	4,452	2,299	1,388	1,041	813	622	354	210	96	59	45	1
15-19	466	314	135	10	4	1	1	1	0	0	0	0	0	0	0
20-24	4,236	656	2,905	525	105	32	8	2	2	0	1	0	0	0	0
25-29	4,829	136	1,788	2,277	465	120	32	8	2	1	0	0	0	0	0
30-34	2,786	25	374	1,131	893	266	73	21	1	2	0	0	0	0	0
35-39	1,664	8	102	337	499	471	175	57	12	3	0	0	0	0	0
40-44	1,138	3	45	106	205	288	326	105	46	10	4	0	0	0	0
45-49	906	0	16	42	72	135	234	270	104	23	9	0	1	0	0
50-54	732	0	4	18	39	45	117	215	210	59	18	6	0	0	1
55-59	467	3	0	6	8	20	53	83	139	121	29	2	2	1	0
60-64	321	0	2	0	4	7	14	31	74	93	72	21	3	0	0
65-69	157	0	1	0	3	3	5	12	23	30	42	31	6	1	0
70-74	91	0	0	0	1	0	2	5	7	9	16	19	27	5	0
75 & Over	104	0	0	0	1	0	1	3	2	3	19	17	20	38	0
Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Average Age at Marriage

Kansas, 1992-2011



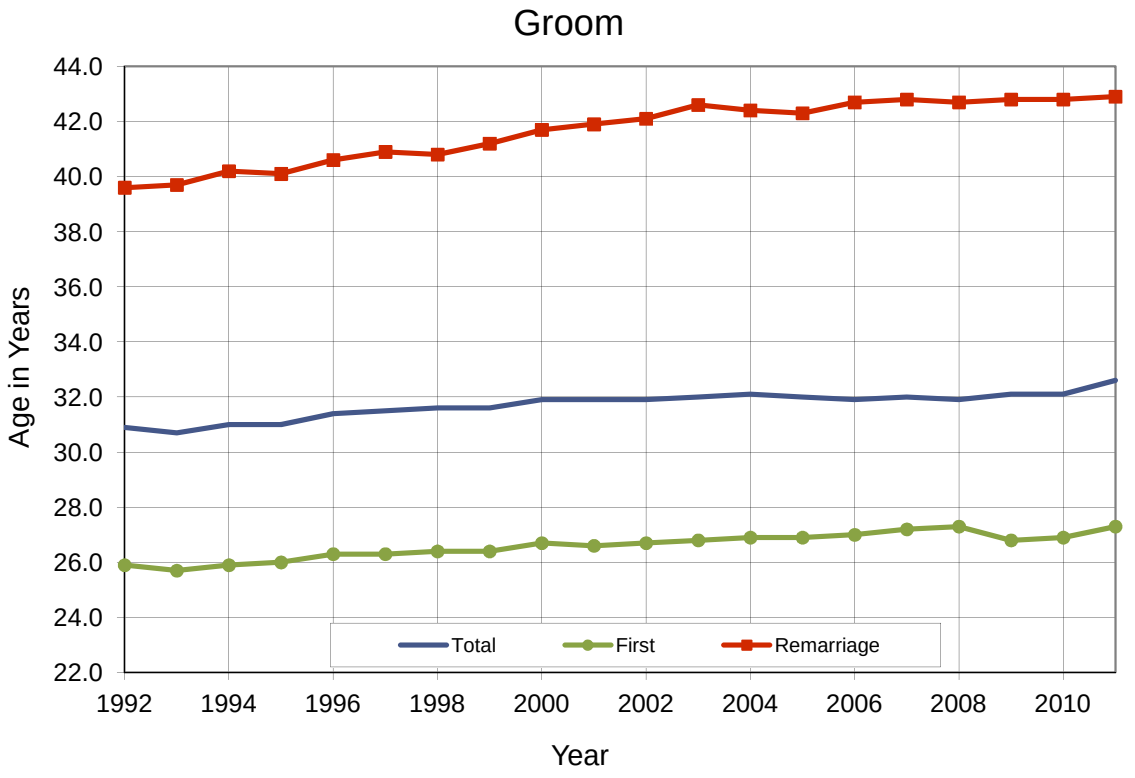


Figure 39

Table 80
Marriage Dissolutions by Age-Group of Husband by Age-Group of Wife
Kansas, 2011

Age-Group of Husband	Age-Group of Wife														
	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total	10,445	54	984	1,737	1,745	1,516	1,361	1,180	778	451	240	97	37	33	232
15-19	19	5	7	2	0	1	0	1	1	0	0	0	0	0	2
20-24	615	36	457	83	19	6	3	0	0	0	0	0	0	0	11
25-29	1,447	7	364	824	170	39	13	7	1	0	0	0	0	0	22
30-34	1,737	2	106	558	781	190	52	8	4	1	0	0	0	0	35
35-39	1,553	3	20	168	498	594	180	51	15	1	2	0	0	0	21
40-44	1,461	0	11	51	176	432	534	174	45	12	2	0	0	0	24
45-49	1,310	0	4	24	59	160	364	489	127	43	10	2	1	0	27
50-54	944	0	2	5	28	51	141	295	294	88	20	5	0	2	13
55-59	593	0	0	7	5	18	45	97	186	170	42	9	1	0	13
60-64	344	0	0	0	0	4	14	28	78	89	93	23	7	2	6
65-69	164	0	0	0	0	1	4	13	16	33	44	37	6	4	6
70-74	60	1	1	0	0	0	0	3	6	5	16	10	12	5	1
75 & Over	60	0	1	0	1	1	0	2	3	5	7	8	10	20	2
Not Stated	138	0	11	15	8	19	11	12	2	4	4	3	0	0	49

Average Age at Marriage Dissolution

Kansas, 1992-2011

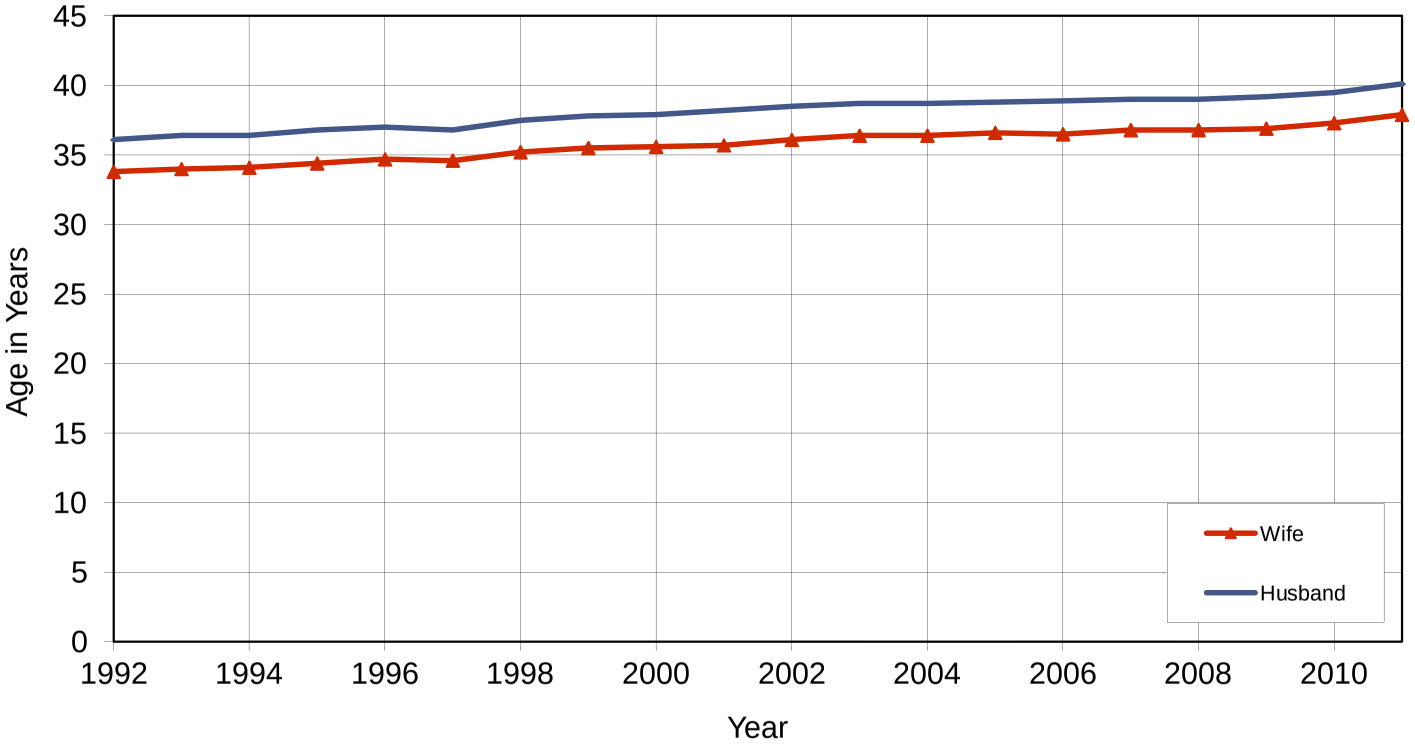


Figure 40

Table 81
Marriage Dissolutions
by Duration of Marriage in Years
Kansas, 2011

Duration of Marriage	Total	Divorces	Annulments
Total.....	10,445	10,183	262
Under 1.....	391	255	136
1.....	744	668	76
2.....	857	834	23
3.....	806	800	6
4.....	710	706	4
5.....	621	618	3
6.....	583	580	3
7.....	500	496	4
8.....	492	490	2
9.....	423	423	0
10.....	368	368	0
11.....	365	364	1
12.....	333	332	1
13.....	307	307	0
14.....	254	254	0
15.....	240	240	0
16.....	217	217	0
17.....	217	217	0
18.....	193	193	0
19.....	177	177	0
20-24.....	698	698	0
25-29.....	423	421	2
30-34.....	231	231	0
35-39.....	125	125	0
40 & Over.....	73	73	0
Not Stated.....	97	96	1

Marriage Dissolutions

Percent Distribution by Number of Minor Children
Kansas, 2011

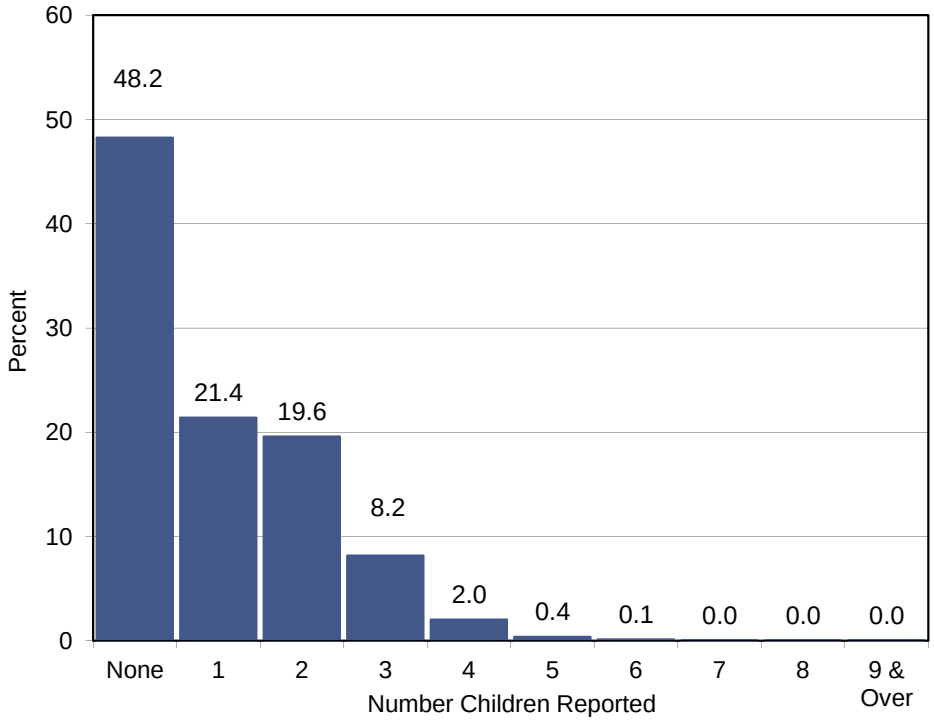


Figure 41

Table 82
Marriage Dissolutions by Number of Minor Children Reported
and Number of Minor Children Affected
Kansas, 2011

Number of Minor Children Reported	Divorces		Annulments		Total Children Affected
	Number	Percent	Number	Percent	Number*
Total.....	10,183	100	262	100.1	9,885
None.....	4,725	47.1	235	91.8	0
1	2,186	21.8	15	5.9	2,201
2	2,011	20.1	4	1.6	4,030
3	838	8.4	2	0.8	2,520
4 or More.....	264	2.6	0	0.0	1,134
Not Stated.....	159	n/a	6	n/a	0

*Represents the number of children involved in marriages ending in divorce or annulment.

TECHNICAL NOTES

Registration

Reporting of Kansas vital events to the Kansas Department of Health and Environment (KDHE) is mandated by law (K.S.A. 65-102, K.S.A. 65-2422b, K.S.A. 65-445). The filing of birth and death records began in 1911, the registration of marriages was initiated in 1913, and divorce tabulations started in 1951. The reporting of abortions began in 1970. Birth, death, stillbirth, marriage, marriage dissolution certificates, and abortion reports are completed by the combined efforts of physicians, hospital personnel, funeral directors, attorneys, and district courts. All certificates and reports are filed with the Office of Vital Statistics by direct reporting. Since the registration of vital events began, over 10 million records have been processed, filed, and indexed.

Revisions to 2011 Annual Summary

The Annual Summary for 2011 contains no new tables. No tables or figures have been deleted from the past year. Please see Technical Notes for past years for information on other table and figure changes. Table and figure numbers remain unchanged from 2010.

2011 Revisions to Certificates

Beginning in July 2011, Kansas implemented a revised form for reporting abortions. This revised VS213 form was the result of changes made in abortion reporting laws passed by the Kansas Legislature. Question 14 that asks the reasons for determining gestational age is now required to be completed on all abortions, instead of abortions that occurred at 22 weeks gestation or later. One new question (#15 on the revised form) addresses whether a report of physical, mental, or emotional abuse or neglect had been filed about the patient pursuant to K.S.A. 38-2223. Both versions of the form VS213 are in this report.

2009 Revisions to Certificates

Beginning in July 2009, Kansas implemented an Electronic Death Registration System involving online entry of medical information by physicians. At the same time, the death certificate was modified to include a new item *"3. If female, name prior to first marriage."* Neither change has an affect on the information reported in this report.

2005 Revisions to Certificates

Beginning with the reporting of 2005 data, Kansas implemented the 2003 revision of the U.S. standard certificates and reports. The new data collection instruments are included at the end of this report. Not all states use the new certificate format. Therefore, some routinely collected birth and death information may not be available for Kansas residents when an event occurs in another state.

While most certificate items are comparable with past years, some items changed considerably when certificates were revised. These changes can affect comparability with previous years statistics. The three areas of greatest impact are noted below.

Prenatal care visits

In previous years, the mother or prenatal care provider reported the month of pregnancy in which the mother began prenatal care. As of 2005, this item was replaced by the exact dates of first and last prenatal visit. Therefore, the month prenatal care began is now calculated from the last normal menses date and the date of first prenatal care visit. Accordingly, prenatal care data in this report (Tables 17 and 18, Figure 17) are not directly comparable to data collected from previous certificates.

Race-Ethnicity

The revised certificates contain significant changes in the way race and Hispanic origin is collected. The race item was revised to allow the reporting of multiple races and can capture up to 15 categories and eight literal entries. In addition, Hispanic origin is now collected as a separate question from ancestry. These changes were implemented to provide a better picture of the nation's variation in race and ethnicity. The expanded racial and ethnic categories are compliant with the provisions to the Statistical Policy Directive No. 15, Race and Ethnic Standards for Federal Statistics and Administrative Reporting, issued by the Office of Management and Budget (OMB) in 1997 [1]. Under these guidelines, when race and Hispanic origin are collected separately, Hispanic origin is collected first on the certificate.

Population-Group Reporting

Changes to reporting of Hispanic origin and race, combined with concerns over confidentiality and comparisons among race and origin categories, resulted in the development of a population-group approach to reporting statistics by race/ethnicity. This method creates a unique matrix of population groups combining race and Hispanic origin for reporting statistics. At the most detailed level there are nine population-groups: Hispanic any race, White non-Hispanic, Black non-Hispanic, Asian non-Hispanic, Native Hawaiian and other Pacific Islander (NHOPI) non-Hispanic, American Indian/Alaska Native (AIAN) non-Hispanic, Multiple race non-Hispanic, Other race non-Hispanic, and Unknown race non-Hispanic. In the event Hispanic origin is unknown but race information is known, the individual will be reported as the specified race and non-Hispanic.

BEPHI developed an aggregation grid (Table A) to use when counts for population-groups are too small to be displayed or used in a rate calculation. This report uses partial or full aggregation of population groups for reporting statistics.

Table A. Aggregation Grid for Population Groups

Aggre-gation Level	Population Groups								
None	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Asian Non-Hispanic	NHOPI Non-Hispanic	AIAN Non-Hispanic	Multi race Non-Hispanic	Other race Non-Hispanic	Unknown Non-Hispanic
Partial	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Asian/NHOPI Non-Hispanic		AIAN Non-Hispanic	Multi & other non-specified race(s) Non-Hispanic		N.A.
Full	Hispanic any Race	White Non-Hispanic	Black Non-Hispanic	Multi, other specified & non-specified race(s) Non-Hispanic					N.A.

The U.S. Census Bureau (USCB) population estimates, revised in accordance with the new OMB standards, produces population estimates that can be collapsed into seven of the nine population-groups. These estimates are used as the denominator in calculating population–based rates by population group for selected vital events (Figures 3 and 18, Table 48) in this report.

USCB also prepares a set of bridged-race population estimates in collaboration with NCHS. These estimates - in which persons of Hawaiian, or Pacific Islander race or of multiple races were bridged or collapsed into the four categories of White, Black, American Indian/Alaska Native, and Asian - are used as the base for creating population data for specific age groups needed to calculate teen pregnancy rates (Tables 32 and 34). The un-bridged census annual population estimates do not have the specific age groups needed for teen pregnancy rates.

Quality of Data

The quality of the analyses in the *Annual Summary of Vital Statistics* depends on complete and accurate reporting of vital events. Records are collected on an occurrence basis in every state or jurisdiction, regardless of the residence of the individual. Each jurisdiction provides occurrence information to NCHS. An inter-jurisdictional exchange agreement among all 57

registration states/jurisdictions and Canada ensures that vital events occurring to Kansas residents in other states or Canada are shared with KDHE.

Birth, death, and stillbirth data in the *Kansas Annual Summary of Vital Statistics* are based on the events that occurred to Kansas residents during a given calendar year and reported before a given cutoff date. The Bureau of Epidemiology and Public Health Informatics (BEPHI) uses June 30 of the year after the event year as the cutoff for receipt of out-of-state occurrence Kansas resident birth, death, and stillbirth reports. The NCHS cutoff date is around September 30 of the year after the event year.

The Office of Vital Statistics works to ensure the completeness and accuracy of the certificates filed. Reports received from other states after June 30, 2012, consist of less than one percent of the total reports filed, are considered negligible, and are excluded from this report.

Some states do not process their inter-jurisdictional exchange records until after the BEPHI cutoff. These records are excluded in the event year's Annual Summary. This is a primary reason why counts and rates reported in the Kansas Annual Summary may differ from those eventually reported by NCHS. It's also a factor in why Kansas vital statistics data are not available immediately after a calendar year ends.

BEPHI is committed to reducing the number of excluded records. It monitors receipt of out-of-state occurrence records, and contacts other jurisdictions when NCHS reports out-of-state occurrence births and deaths to Kansas residents.

Incomplete reporting of marriage dissolution impacts statistics. Reporting however has been improving. Users of marriage dissolution statistics should take this into account when interpreting the information.

From July, 1970, through June, 1995, state law required only Kansas hospitals to keep and submit to KDHE written records of pregnancies terminated in the hospital. During this reporting period, non-hospital providers reported terminations only on a voluntary basis. Although most abortions were reported, some underreporting may have occurred. In 1995 the Kansas legislature amended K.S.A. 65-445, broadening the reporting requirement to include every medical care facility and every person licensed to practice medicine.

Imputation

Unknown values in vital records result in records being excluded from tabulations. As part of ongoing data quality efforts, BEPHI identifies records with missing or illogical information and works with the Office of Vital Statistics, hospitals, and physicians to obtain information to fill in the blanks and correct mistakes. However, there are occasions when the information remains unknown in the analytical files used to create the statistics in this report. In limited instances, BEPHI will impute missing information using commonly accepted techniques in the civil registration/data analysis field. Imputation can either involve review of other information in the vital record to deduce the unknown value or using some form of algorithm to randomly assign a value.

For 2011 data, the Bureau addressed unknowns or illogical values in age, county of residence, and sex. Cities and counties were corrected for spelling, city-county designation, and for missing information. Race and ethnicity entries were corrected when "unknown" and a specified category were selected. Not every unknown can be corrected. There were two deaths in 2011

for which no age could be calculated. No imputation occurred to the Marriage, Marriage Dissolution, and Induced Termination files.

Handling of Unknowns

Items for which no response was provided are shown as "not stated" (N.S.) in tables and graphs throughout this publication. To ensure statistical accuracy, the "not stated" count has been subtracted from the denominator when calculating percentages.

Residence vs. Occurrence Data

Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state). Occurrence data is information compiled according to the geographical location the event took place, regardless of the actual residence. Information compiled for births, stillbirths, and deaths in this report are residence data, while marriages and marriage dissolutions are occurrence data and abortions are reported in both data formats (residence and occurrence).

Population

State, county, and city population estimates for 2003-2009 were produced by the USCB and certified by the Kansas Division of the Budget. These estimates are on the Division's website at: http://budget.ks.gov/ecodemo.htm. (Tables 4 and 5, Figure 4)

Population estimates by age-group and sex for 1988-1989, 1991-1999, 2002-2009 and 2011 were obtained from USCB. Actual population counts were used for 1990, 2000, and 2010. Population by age-group and sex was not available from the USCB for 2001 and was estimated by the Kansas Department of Health and Environment based on 2000 USCB numbers (Table 6). These numbers were used in age-specific and age-adjusted calculations (Tables 12, 43, 52, 53, 60, Figures 11, 12 and 30). Population by Population-Group and Population-Group-specific birth and death rates (Tables 7, 8 and Figure 3) for 2010 are based on actual U.S. Census counts that comply with the new race standards and can be obtained on the Internet at: http://www.census.gov/popest/estimates.php.

Due to rounding and variation in estimation methods within the USCB, some discrepancies may be found in population data (Tables 4 and 6). Usually differences are negligible and rarely result in discrepancies in the totals. We advise you to utilize state totals from the county population totals when a total population estimate is needed.

Because the USCB reassigns the race of certain categories in their bridged and un-bridged estimates, 2010 totals by population group may be inconsistent with 2009 estimates. This will affect population-based rates wherein the 2010 population, used for the denominator in the rate, will be artificially lower than the prior year's estimate. The greatest impact will involve rates for the smaller population groups.

Female Population 10-19

Estimates of the Kansas female population for 1988-1999 were obtained from the USCB, and actual population counts were used for 1990, 2000 and 2010.

The 2001 state and county estimates for teenage females (10-14, 10-17, 15-19, 10-19) were compiled by the KDHE based on 2000 USCB numbers. In order to estimate the 2001 teenage female population for the various age groupings, the 2000 proportion for the age grouping within the total population had to be derived. These estimates were calculated as in the following example for 2001.

$$\frac{\text{Female Population 10-14 Year Age Group (2000)}}{\text{2000 Population All Ages}} \times \text{2001 Population All Ages} = \text{10-14 Year Age-Group (2001)}$$

Female population estimates for 2002-2009 and 2011 were obtained from the Bridged-race Vintage 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 and 2011 postcensal series by year, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement between NCHS and the U.S. Census Bureau. The population data are at: http://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm. (Tables 32, and 34)

Peer Groups

For various demographic studies, it is useful to consider groups of counties with similar characteristics. “Peer Groups” of counties, as used in this summary, are defined as those with similar population density based on a method derived by the KDHE Bureau of Community Health Systems. (See Appendices 1 and 2 for county tables indicating population density peer group membership before and after the 2010 U.S. Census.)

Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These designations should *not* be confused with the USCB definitions of urban and rural areas.

Population densities are calculated using land area, not total area. Confusion over this definition led to the misclassification of Doniphan County in the 2010 Annual Summary. An errata was issued correcting the tables originally released using incorrect peer groups.

The KDHE Bureau of Epidemiology and Public Health Informatics applies these definitions, updating the groups with every decennial census. Based on the 2010 U.S. Census, eight Kansas counties changed peer groups. In order to facilitate a time series comparison, Peer-Group statistics for prior years are based on the Peer-Group in effect during that decade [2]. Sources for calculation of population densities are population figures from the 2010 U.S. Census and land areas from the 2010 U.S. Census.

Cause of Death

Underlying causes of death in the *2011 Annual Summary of Vital Statistics* are established through a system known as the International Classification of Diseases, 10th Revision (ICD-10). This system promotes uniformity and comparability in the collection and presentation of mortality data. Prior to 1999, Kansas used ICD-9 to report mortality statistics. Periodically the classification system needs to be updated to address new diseases and reflect a better understanding of causes of death. The World Health Organization maintains ICD-10 and the NCHS, which compiles national statistics, modifies ICD-10 for use by Kansas and other states [3]. Death data from 1999 forward are classified by ICD-10, and trends in mortality will be comparable. Such data trends are not comparable if the statistics bridge 1998-1999.

In accordance with NCHS guidelines, stillbirths that were coded Symptoms, Signs & Abnormal Findings (R00 - R99) are now coded unspecified cause (P95).

Age-Adjusted Death Rates

The mortality rate, the number of deaths per 100,000 population, is a common way to report death statistics so that comparisons can be made from year to year or among geographic areas. Crude death rates compensate for the differences in population within the areas or time periods studied. Crude death rates, however, do not compensate for the different age make up of compared populations. For example, some Kansas counties may have more older residents than other counties. To address this, statisticians prepare age-adjusted death rates. The direct method for calculating age-adjusted death rates was used in this report. Age-adjusting is a process by which the age composition of a population is defined as constant so that differences in age composition can be eliminated from the analysis. This is needed because older populations have higher death rates, merely because death rates increase with age. Age-adjusted rates allow for more meaningful comparison of the risk of mortality over time and among groups.

For this report, age-adjusted death rates were calculated using the 2000 population standard. Kansas began using the 2000 population standard, as recommended by NCHS, in the *1999 Annual Summary of Vital Statistics*.

Comparing Age-Adjusted Death Rates

Mortality rates, derived from vital records, are not subject to sampling error but are subject to what is termed random error. This arises from random variations in the number of deaths over time or between different communities. The potential impact of variation increases as the number of events decreases. This makes resulting rates subject to volatility, and requires caution when comparing them to rates from other populations, geographic areas, and time periods.

Confidence intervals are often used in research when comparing two age-adjusted death rates (for two different or independent populations) to determine whether a significant difference exists between them. Ninety-five percent confidence intervals are provided for the age-adjusted rates in this report. The precise statistical definition of the 95% confidence interval is that if the measurement was conducted 100 times, 95 percent of the time the true value would be within the calculated confidence interval and five percent of the time the true value would be either higher or lower than the range of the confidence interval.

The first step in calculating a confidence interval for an age-adjusted rate is the computation of a standard error (SE), which defines the rate's variability. The SE for an adjusted rate per 100,000 population can be estimated by dividing that rate by the square root of the number of events (n) upon which the rate was based:

$$Rate/\sqrt{n}$$

The estimated SE can then be used to compute a 95% confidence interval (CI) for the rate. The standard formula for determining the 95% CI of a rate is:

$$R \pm (1.96 \times SE)$$

Computing confidence limits for pairs of rates varies depending on the number of events on which each rate was created. The formula below was used for calculating confidence intervals that appear in this report. (Table 60)

Confidence limits for rates when the numerator is 100 or more

In this case, use the following formula for the rate R based on the standard error SE:

Lower limit = *R* - (1.96 x SE)

Upper limit = *R* + (1.96 x SE)

where:

R = the rate (age-adjusted rate)

SE = the rate divided by the square root of the number of events (deaths)

An example of this would be the comparison of cancer age-adjusted death rates for two years. If 2007's rate has a 95% confidence interval of 174.3-183.9 and the 95% confidence interval for 2008 is 168.3-177.7, then they overlap and there is no significant difference between the two years rates, at the 95% confidence level.

There are various statistical formulas for comparing rates, depending on the types of rates or populations being studied and the number of events involved. Please note that the formulas shown above are a conservative approach and, in some cases, may not be the most appropriate.

Significance test when both rates are based on 100 or more events

To compare two rates when both are based on 100 or more events, first calculate the difference between the two rates by subtracting the lower rate from the higher rate. This difference is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96\sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where:

R_1 = the first rate

R_2 = the second rate

N_1 = the first number of events

N_2 = the second number of events

If the difference is greater than this statistic, then the difference would occur by chance less than five times out of 100. The difference is statistically significant at the 95 percent confidence level.

If the difference is less than this statistic, the difference might occur by chance more than five times out of 100. The difference is not statistically significant at the 95 percent confidence level.

NCHS was used as a source for confidence interval and significance tests based on the *Vital Statistics of the United States: Mortality, 1999* Technical Appendix.

<u>Rate Reliability</u>

Vital statistics are easily influenced by random variation and single-year rates can fluctuate widely. A multiple-year rate such as a five- or ten-year average of single-year rates would be more accurate in formulating conclusions on vital events. For example, between 2005 and 2009 the infant death rate for Kansas ranged from 7.0 to 7.9, while the 2005-2009 five-year infant death rate for Kansas was 7.4 infant deaths per 1,000 live births. A five or 10-year rate smoothes some of the single-year rate variation and is a more reliable indicator of Kansas infant death rates.

Rates based on a small or large number of events in a sparsely populated area can vary widely. To exemplify the variation that may occur with a small change in the number of events, in 2009 Greeley County was the least populated county in Kansas with 1,234 residents and Johnson County was the largest with 542,737 residents. With 15 deaths occurring in Greeley County in 2009, the crude death rate was 12.2 deaths per 1,000 population; whereas 3,234 deaths occurring in Johnson County resulted in a crude death rate of 6.0 deaths per 1,000 population. If five more deaths occurred in each county (e.g., multiple- death accident), Greeley County's crude death rate would have increased to 16.2, while Johnson County's rate would have increased by only a few hundredths and, with rounding, still remain 6.0 deaths per 1,000 population. Therefore, one must use caution when comparing rates of vital events between counties of extreme population size differences to avoid misleading conclusions.

Criteria for the Adequacy of Prenatal Care Utilization (APNCU) INDEX

Adequacy of prenatal care utilization values are based on a method developed by Dr. Milton Kotelchuck [4]:

I. Month prenatal care began (Adequacy of Initiation of Prenatal Care)
Adequate Plus: 1st or 2nd month
Adequate: 3rd or 4th month
Intermediate: 5th or 6th month
Inadequate: 7th month or later or no prenatal care

II. Proportion of the number of visits recommended by the American College of Obstetricians and Gynecologists (ACOG) received from the time prenatal care began until delivery (Adequacy of Received Services)
Adequate Plus: 110% or more
Adequate: 80% - 109%
Intermediate: 50% - 79%
Inadequate: less than 50%

III. Summary Adequacy of Prenatal Care Utilization Index
Adequate Plus: Prenatal care begun by the 4th month and 110% or more of recommended visits received
Adequate: Prenatal care begun by the 4th month and 80% - 109% of recommended visits received
Intermediate: Prenatal care begun by the 4th month and 50% - 79% of recommended visits received
Inadequate: Prenatal care begun after the 4th month or less than 50% of recommended visits received

Criteria for Small for Gestational Age (SGA)

Small for gestational age is when the infant's birth-weight is less than the 10th percentile, (lowest 9.9 percent of births). These infants may be normal but small or pathologically small (intrauterine growth restriction).

> "Many different things can lead to intrauterine growth restriction (IUGR). An unborn baby may not get enough nutrition because of:
>
> - High altitudes,
> - Multiple pregnancies (twins, triplets, etc.),
> - Placenta problems,

- Preeclampsia or eclampsia

Congenital or chromosomal abnormalities are often associated with below-normal weight. Infections during pregnancy that affect the developing baby, such as rubella, cytomegalovirus, toxoplasmosis, and syphilis may also affect the weight of the developing baby" [5].

Infants born small for gestational age but constitutionally normal may represent 40% or more of the SGA infants at term [6, 7]. However, "In early preterm gestations, the definition of SGA may be justified as a proxy for IUGR" [12]. Statistics reported for SGA are based on using birth-weights from 2010 births for the state as a whole as the reference in establishing the cutoff point. In calculating percents, unknowns are excluded. Data are adjusted for gender or population group of the infant.

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DEFINITIONS

The following terms, formulas, and symbols are defined for more meaningful interpretations of the data contained in this report.

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.
Adequacy of Prenatal Care Utilization (APNCU) Index:	An assessment of the adequacy of prenatal care measured by the APNCU Index (often referred to as the Kotelchuck Index), a composite measure based on gestational age of the newborn, the trimester prenatal care began, and the number of prenatal visits made.
Age-Adjusted Death Rate:	A calculation by which the age composition of a population is defined as constant so that differences In age composition can be eliminated from the analysis.
Annulment:	The invalidation of a marriage contract.
Birth Order:	Live birth order is determined from birth certificates specifying the total number of live births (living and dead) the mother had. It is calculated as the sum of the prior live births plus the current birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Body mass index (BMI):	A key index for relating a person's body weight to their height. The BMI is a person's weight in pounds times 703 divided by their height in inches squared.
Cause of Death:	The underlying cause of death or that condition giving rise to the chain of events leading to death.
Congenital Anomalies:	Defects existing at and usually before birth regardless of causation.
Divorce:	The dissolution of a legally binding marriage contract.
Hebdomadal Death:	The death of a live-born infant which occurs prior to the seventh day of life.
ICD Code:	The cause-identifying number classified in the Tenth Revision of the International Classification of Diseases implemented by NCHS for deaths in 1999.
Infant Death:	The death of a live-born infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

DEFINITIONS (cont.)

Low Birth Weight:	Weight of a fetus or infant at delivery which is less than 2,500 grams (less than five pounds, 8 ounces).
Marriage:	The legal union of a male and female.
Marriage Dissolution:	A marriage dissolved by either a divorce or an annulment.
Maternal Death:	The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes (Included in these deaths are ICD–10 codes A34, O00–O95, and O98–O99).
Medical Procedure I:	Refers to use of the drug mifepristone as a pregnancy termination procedure.
Medical Procedure II:	Refers to use of the drug methotrexate as a pregnancy termination procedure.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a live-born infant which occurs prior to the 28th day of life.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event happened.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception or at the time of birth or at any time between conception and birth.
Peer Group:	A group of counties with similar population densities in persons per square mile, as adopted by the Kansas Department of Health and Environment, Bureau of Local and Rural Health.
Perinatal Period III Death:	The aggregate total of stillbirths (fetus weighs over 350 grams) and hebdomadal deaths (deaths that occur prior to the 7th day of life).
Population Density:	The average number of inhabitants per square mile.
Population Group:	A reporting matrix of race and Hispanic origin (ethnicity) information comprised of distinct categories.
Post-Hebdomadal Death:	The death of a live-born infant occurring seven days to prior to the twenty-eighth day of life.
Post-Neonatal Death:	The death of a live-born infant occurring 28 days to prior to the 365th day of life.

DEFINITIONS (cont.)

Pregnancy-Associated Death:	The death of any woman, from any cause, while pregnant or within one calendar year of termination of pregnancy, regardless of the duration and the site of pregnancy. Maternal deaths are a subset of pregnancy-associated deaths.
Prenatal Care:	Pregnancy-related health care services provided to a woman between conception and delivery.
Previous Pregnancy:	Includes all previous reported spontaneous terminations, previous induced abortions, children born still living and children born now dead.
Puerperium:	Period of time after delivery, usually six to eight weeks, during which all maternal reproductive organs return to the normal pre-pregnancy condition.
Small for Gestational Age (SGA):	Condition where the live born infant's birth weight, lies below the 10th percentile for that gestational age.
Stillbirth:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Teenage Pregnancy:	A live birth, stillbirth or abortion occurring to a female under 20 years of age.
Total Reported:	Used only for abortion reporting this represents all abortions reported regardless of residence or occurrence locations.
Trimester:	A three-month period of time. First trimester care, for example, refers to care initiated in the first three months of pregnancy.
Very Low Birth Weight:	Weight of a fetus or infant at delivery which is less than 1,500 grams (less than 3 pounds, 5 ounces).
Weeks Gestation:	The number of weeks between first day of the last reported normal menses and the delivery of the fetus or infant.
Years of Potential Life Lost (YPLL75):	A measurement of the number of years of potential life lost by each death occurring before the age of 75.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	x 1,000
Age-Adjusted Death Rate:	$\frac{\sum Ma \quad Pa}{P}$	x 1,000 or 100,000

Where M_a = age-specific death rate per 1,000 or 100,000 population for a given age-group

P_a = standard population in a given age-group

P = total standard population

Age-Specific Death Rate:	$\frac{\text{deaths in a specific age-group}}{\text{population in a specific age-group}}$	x 1,000
Age-Specific Fertility Rate:	$\frac{\text{live births in a specific age-group}}{\text{female population in a specific age-group}}$	x 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	x 1,000
Cause-Specific Death Rate:	$\frac{\text{cause-specific deaths}}{\text{total population}}$	x 100,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	x 1,000
Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	x 1,000
Marriage Dissolution Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	x 1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	x 1,000
Stillbirth Rate:	$\frac{\text{stillbirths}}{\text{live births + stillbirths}}$	x 1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	x 1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	x 1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	x 1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	x 100,000

RATES AND RATIOS (Cont.)

Natural Increase Rate:	live birth rate minus total death rate	
Neonatal Death Rate:	neonatal deaths / live births	x 1,000
Out-of-Wedlock Birth Ratio:	out-of-wedlock births / live births	x 100
Perinatal Period III Death Rate:	perinatal period III deaths / live births + stillbirths	x 1,000
Post-Neonatal Death Rate:	post-neonatal deaths / live births	x 1,000
Teenage Pregnancy Rate:	live births, stillbirths, abortions for females in a specific age-group / female population in a specific age-group	x 1,000
Years of Potential Life Lost Rate	years of potential life lost / population	x 1,000

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a	not available
n/a	not applicable
0.0	quantity or percent more than zero but less than 0.05

APPENDIX 1
Kansas County Codes and Groupings

County Name	FIPS Code	Abbreviation	Population Density Peer Group (2010)	Population Density Peer Group (2000)
Allen	001	AL	Densely-Settled Rural	Densely-Settled Rural
Anderson	003	AN	Rural	Rural
Atchison	005	AT	Densely-Settled Rural	Densely-Settled Rural
Barber	007	BA	Frontier	Frontier
Barton	009	BT	Densely-Settled Rural	Densely-Settled Rural
Bourbon	011	BB	Densely-Settled Rural	Densely-Settled Rural
Brown	013	BR	Rural	Rural
Butler	015	BU	Semi-Urban	Semi-Urban
Chase	017	CS	Frontier	Frontier
Chautauqua	019	CQ	Frontier	Rural
Cherokee	021	CK	Densely-Settled Rural	Densely-Settled Rural
Cheyenne	023	CN	Frontier	Frontier
Clark	025	CA	Frontier	Frontier
Clay	027	CY	Rural	Rural
Cloud	029	CD	Rural	Rural
Coffey	031	CF	Rural	Rural
Comanche	033	CM	Frontier	Frontier
Cowley	035	CL	Densely-Settled Rural	Densely-Settled Rural
Crawford	037	CR	Semi-Urban	Semi-Urban
Decatur	039	DC	Frontier	Frontier
Dickinson	041	DK	Densely-Settled Rural	Densely-Settled Rural
Doniphan	043	DP	Densely-Settled Rural	Densely-Settled Rural
Douglas	045	DG	Urban	Urban
Edwards	047	ED	Frontier	Frontier
Elk	049	EK	Frontier	Frontier
Ellis	051	EL	Densely-Settled Rural	Densely-Settled Rural
Ellsworth	053	EW	Rural	Rural
Finney	055	FI	Densely-Settled Rural	Densely-Settled Rural
Ford	057	FO	Densely-Settled Rural	Densely-Settled Rural
Franklin	059	FR	Semi-Urban	Semi-Urban
Geary	061	GE	Semi-Urban	Semi-Urban
Gove	063	GO	Frontier	Frontier
Graham	065	GH	Frontier	Frontier
Grant	067	GT	Rural	Rural
Gray	069	GY	Rural	Rural
Greeley	071	GL	Frontier	Frontier
Greenwood	073	GW	Frontier	Rural
Hamilton	075	HM	Frontier	Frontier
Harper	077	HP	Rural	Rural
Harvey	079	HV	Semi-Urban	Semi-Urban
Haskell	081	HS	Rural	Rural
Hodgeman	083	HG	Frontier	Frontier
Jackson	085	JA	Densely-Settled Rural	Rural
Jefferson	087	JF	Densely-Settled Rural	Densely-Settled Rural
Jewell	089	JW	Frontier	Frontier
Johnson	091	JO	Urban	Urban
Kearny	093	KE	Frontier	Frontier
Kingman	095	KM	Rural	Rural
Kiowa	097	KW	Frontier	Frontier
Labette	099	LB	Densely-Settled Rural	Densely-Settled Rural
Lane	101	LE	Frontier	Frontier
Leavenworth	103	LV	Urban	Semi-Urban
Lincoln	105	LC	Frontier	Frontier
Linn	107	LN	Rural	Rural

County Name	FIPS Code	Abbreviation	Population Density Peer Group (2010)	Population Density Peer Group (2000)
Logan	109	LG	Frontier	Frontier
Lyon	111	LY	Densely-Settled Rural	Semi-Urban
McPherson	113	MP	Densely-Settled Rural	Densely-Settled Rural
Marion	115	MN	Rural	Rural
Marshall	117	MS	Rural	Rural
Meade	119	ME	Frontier	Frontier
Miami	121	MI	Semi-Urban	Semi-Urban
Mitchell	123	MC	Rural	Rural
Montgomery	125	MG	Semi-Urban	Semi-Urban
Morris	127	MR	Rural	Rural
Morton	129	MT	Frontier	Frontier
Nemaha	131	NM	Rural	Rural
Neosho	133	NO	Densely-Settled Rural	Densely-Settled Rural
Ness	135	NS	Frontier	Frontier
Norton	137	NT	Rural	Rural
Osage	139	OS	Densely-Settled Rural	Densely-Settled Rural
Osborne	141	OB	Frontier	Frontier
Ottawa	143	OT	Rural	Rural
Pawnee	145	PN	Rural	Rural
Phillips	147	PL	Rural	Rural
Pottawatomie	149	PT	Densely-Settled Rural	Densely-Settled Rural
Pratt	151	PR	Rural	Rural
Rawlins	153	RA	Frontier	Frontier
Reno	155	RN	Semi-Urban	Semi-Urban
Republic	157	RP	Rural	Rural
Rice	159	RC	Rural	Rural
Riley	161	RL	Semi-Urban	Semi-Urban
Rooks	163	RO	Frontier	Rural
Rush	165	RH	Frontier	Frontier
Russell	167	RS	Rural	Rural
Saline	169	SA	Semi-Urban	Semi-Urban
Scott	171	SC	Rural	Rural
Sedgwick	173	SG	Urban	Urban
Seward	175	SW	Densely-Settled Rural	Densely-Settled Rural
Shawnee	177	SN	Urban	Urban
Sheridan	179	SD	Frontier	Frontier
Sherman	181	SH	Frontier	Rural
Smith	183	SM	Frontier	Frontier
Stafford	185	SF	Frontier	Rural
Stanton	187	ST	Frontier	Frontier
Stevens	189	SV	Rural	Rural
Sumner	191	SU	Densely-Settled Rural	Densely-Settled Rural
Thomas	193	TH	Rural	Rural
Trego	195	TR	Frontier	Frontier
Wabaunsee	197	WB	Rural	Rural
Wallace	199	WA	Frontier	Frontier
Washington	201	WS	Rural	Rural
Wichita	203	WH	Frontier	Frontier
Wilson	205	WL	Rural	Rural
Woodson	207	WO	Rural	Rural
Wyandotte	209	WY	Urban	Urban

APPENDIX 2
Population Density County Peer Groups

Frontier					
Barber	Chase	*Chautauqua*	Cheyenne	Clark	Comanche
Decatur	Edwards	Elk	Gove	Graham	Greeley
Greenwood	Hamilton	Hodgeman	Jewell	Kearny	Kiowa
Lane	Lincoln	Logan	Meade	Morton	Ness
Osborne	Rawlins	*Rooks*	Rush	Sheridan	*Sherman*
Smith	*Stafford*	Stanton	Trego	Wallace	Wichita
Rural					
Anderson	Brown	Clay	Cloud	Coffey	Ellsworth
Grant	Gray	Harper	Haskell	Kingman	Linn
Marion	Marshall	Mitchell	Morris	Nemaha	Norton
Ottawa	Pawnee	Phillips	Pratt	Republic	Rice
Russell	Scott	Stevens	Thomas	Wabaunsee	Washington
Wilson	Woodson				
Densely-Settled Rural					
Allen	Atchison	Barton	Bourbon	Cherokee	Cowley
Dickinson	Doniphan	Ellis	Finney	Ford	*Jackson*
Jefferson	Labette	*Lyon*	McPherson	Neosho	Osage
Pottawatomie	Seward	Sumner			
Semi-Urban					
Butler	Crawford	Franklin	Geary	Harvey	Miami
Montgomery	Reno	Riley	Saline		
Urban					
Douglas	Johnson	*Leavenworth*	Sedgwick	Shawnee	Wyandotte

Italicized counties changed peer group after the 2010 Census.

APPENDIX 3
Metric to English Conversions for Birth Weight Categories

Metric (grams)	English (pounds)	English (ounces)
500	1	2
1000	2	3
1500	3	5
2000	4	7
2500	5	8
3000	6	10
3500	7	11
4000	8	13
4500	9	15
5000	11	3

1 ounce = 28.349 grams.
English equivalents are rounded to the nearest ounce.

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF STILLBIRTH (FETAL DEATH)

State File Number

1. NAME (First, Middle, Last, Suffix)
2. DATE OF DELIVERY (Month, Day, Year)
3. TIME OF DELIVERY M
4. SEX
5. CITY, TOWN, OR LOCATION OF DELIVERY
6. COUNTY OF DELIVERY
7. PLACE OF DELIVERY
☐ Hospital ☐ Freestanding Birthing Center ☐ Home Delivery
☐ Clinic/Doctor's Office ☐ Other (Specify) _____
8. FACILITY NAME (If not institution, give street and number and zip code)
9. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)
10. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE
11. DATE OF BIRTH (Month, Day, Year)
12. BIRTHPLACE (State, Territory, or Foreign Country)
13. PRESENT RESIDENCE-STATE
14. COUNTY
15. CITY, TOWN, OR LOCATION
16. STREET AND NUMBER OF PRESENT RESIDENCE
17. ZIPCODE
18. INSIDE CITY LIMITS?
☐ Yes ☐ No
19. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)
20. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)
21. DATE OF BIRTH (Month, Day, Year)
22. BIRTHPLACE (State, Territory, or Foreign Country)
23. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
Signature of Parent (or Other Informant) ➢
24. DATE SIGNED (Month, Day, Year)
25. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH
25a. INITIATING CAUSE/CONDITION (Among the choices below, please select the one which most likely began the sequence of events resulting in the death of the fetus.)
Maternal Conditions/Diseases (Specify) _____
Complications of Placenta, Cord, or Membranes – ☐ Rupture of membranes prior to onset of labor ☐ Abruptio placenta ☐ Placental insufficiency ☐ Prolapsed cord
☐ Chorioamnionitis ☐ Other (Specify) _____
Other Obstetrical or Pregnancy Complications (Specify) _____
Fetal Injury (Specify) _____
Other Fetal Conditions/Disorders (Specify) _____
Fetal Anomaly (Specify) _____
Fetal Infection (Specify) _____
☐ Unknown
25b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (Select or specify all other conditions contributing to death in item 25a.)
Maternal Conditions/Diseases (Specify) _____
Complications of Placenta, Cord, or Membranes – ☐ Rupture of membranes prior to onset of labor ☐ Abruptio placenta ☐ Placental insufficiency ☐ Prolapsed cord
☐ Chorioamnionitis ☐ Other (Specify) _____
Other Obstetrical or Pregnancy Complications (Specify) _____
Fetal Injury (Specify) _____
Other Fetal Conditions/Disorders (Specify) _____
Fetal Anomaly (Specify) _____
Fetal Infection (Specify) _____
☐ Unknown
26. ESTIMATED TIME OF FETAL DEATH
☐ Dead at time of first assessment, no labor ongoing
☐ Dead at time of first assessment, labor ongoing
☐ Died during labor, after first assessment
☐ Unknown time of fetal death
27a. WAS AN AUTOPSY PERFORMED?
☐ Yes ☐ No ☐ Planned
27b. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED?
☐ Yes ☐ No ☐ Planned
27c. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH?
☐ Yes ☐ No
28. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD.
Signature ➢
29. DATE SIGNED (Month, Day, Year)
30. ATTENDANT'S NAME AND TITLE (If delivery not attended by physician)
Name (Type) _____
☐ CNM/CM ☐ Other Midwife ☐ Other (Specify)_____
31. CERTIFIER'S NAME AND TITLE (Type)
_____
☐ M.D. ☐ D.O.
☐ Other (Specify)_____
32. CERTIFIER'S MAILING ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)
33a. METHOD OF DISPOSITION
☐ Burial ☐ Cremation ☐ Donation
☐ Hospital Disposition ☐ Removal from State
☐ Other (Specify) _____
33b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)
33c. LOCATION (City or Town, and State)
34. FUNERAL DIRECTOR OR HOSPITAL ADMINISTRATOR
Signature ➢
35. FIRM OR HOSPITAL NAME AND ADDRESS
36. DATE FILED BY STATE REGISTRAR (Month, Day, Year)

SAMPLE

VS233 Rev. 05/01/2010

37. IF HOME DELIVERY, WAS DELIVERY PLANNED AT HOME? ☐ Yes ☐ No ☐ Unknown

38. MOTHER'S MEDICAL RECORD NO.

39a. WAS MOTHER EVER MARRIED? ☐ Yes ☐ No ☐ Unknown

39b. MOTHER MARRIED? (At birth, conception or any time between) ☐ Yes ☐ No ☐ Unknown

40. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "no" box if the parent is not Spanish, Hispanic, or Latino.)

40a. MOTHER-
- ☐ No, not Spanish/ Hispanic/Latina
- ☐ Yes, Mexican/Mexican American/Chicana
- ☐ Yes, Puerto Rican
- ☐ Yes, Cuban
- ☐ Yes, Central American
- ☐ Yes, South American
- ☐ Yes, other Spanish/ Hispanic/Latina (Specify) _____
- ☐ Unknown

40b. FATHER-
- ☐ No, not Spanish/ Hispanic/Latino
- ☐ Yes, Mexican/Mexican American/Chicano
- ☐ Yes, Puerto Rican
- ☐ Yes, Cuban
- ☐ Yes, Central American
- ☐ Yes, South American
- ☐ Yes, other Spanish/ Hispanic/Latino (Specify) _____
- ☐ Unknown

41. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)

41a. MOTHER
- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____
- ☐ Asian Indian
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese
- ☐ Korean
- ☐ Vietnamese
- ☐ Other Asian (Specify) _____
- ☐ Native Hawaiian
- ☐ Guamanian or Chamorro
- ☐ Samoan
- ☐ Other Pacific Islander (Specify) _____
- ☐ Other (Specify) _____
- ☐ Unknown

41b. FATHER
- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____
- ☐ Asian Indian
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese
- ☐ Korean
- ☐ Vietnamese
- ☐ Other Asian (Specify) _____
- ☐ Native Hawaiian
- ☐ Guamanian or Chamorro
- ☐ Samoan
- ☐ Other Pacific Islander (Specify) _____
- ☐ Other (Specify) _____
- ☐ Unknown

42. ANCESTRY - What is the parents' ancestry or ethnic origin?- Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)

42a. MOTHER

42b. FATHER

43. OCCUPATION AND BUSINESS/INDUSTRY

	Occupation	Business/Industry (Do not give name of company.)
42a. MOTHER	43a. MOTHER (Most recent)	43c. MOTHER
42b. FATHER	43b. FATHER (Usual)	43d. FATHER

44. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)

44a. MOTHER'S EDUCATION
- ☐ Unknown
- ☐ 8th grade or less
- ☐ Some College credit, but no degree
- ☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
- ☐ 9th - 12th grade, no diploma
- ☐ Associate degree (e.g., AA,AS)
- ☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
- ☐ High school graduate or GED
- ☐ Bachelor's degree (e.g., BA, AB, BS)

44a. FATHER'S EDUCATION
- ☐ Unknown
- ☐ 8th grade or less
- ☐ Some College credit, but no degree
- ☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
- ☐ 9th - 12th grade, no diploma
- ☐ Associate degree (e.g., AA,AS)
- ☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
- ☐ High school graduate or GED
- ☐ Bachelor's degree (e.g., BA, AB, BS)

45. PREVIOUS LIVE BIRTHS (Do not include this child.)

45a. Now living Number _____ ☐ None

45b. Now dead Number _____ ☐ None

46. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)

46a. Before 20 weeks Number _____ ☐ None

46b. 20 weeks & over Number _____ ☐ None

47. PLURALITY – Single, Twin, Triplet, etc. (Specify)

48. IF NOT A SINGLE BIRTH – Born First, Second, Third, etc. (Specify)

49. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)

50. OBSTETRIC ESTIMATE OF GESTATION (Completed Weeks)

45c. DATE OF LAST LIVE BIRTH (Month, Year)

46c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)

51. WEIGHT OF FETUS (grams)

52. PRENATAL CARE? ☐ Yes ☐ No

53. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)

54. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)

55. PRENATAL VISIT – Total number (If none, enter "0")

56. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy?
☐ Yes ☐ No ☐ Unknown

For each time period, enter either the number of cigarettes or the number of packs of cigarettes **smoked per day**. If none, enter "0".

Average number of cigarettes or packs of cigarettes smoked **per day**:

	No.	No.
Three months before pregnancy:	_____ cigarettes or	_____ packs
First three months of pregnancy:	_____ cigarettes or	_____ packs
Second three months of pregnancy:	_____ cigarettes or	_____ packs
Third Trimester of pregnancy:	_____ cigarettes or	_____ packs

57. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY
- ☐ Medicaid
- ☐ Indian Health Service
- ☐ Other
- ☐ Private/Employer Ins.
- ☐ CHAMPUS/TRICARE
- ☐ Unknown
- ☐ Self-pay
- ☐ Other government

58a. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS?
☐ Yes ☐ No (If yes, enter facility name)

58b. FACILITY TRANSFERRED FROM:

CHILD'S NAME _____ MOTHER'S NAME _____

SAMPLE

PRENATAL	LABOR-DELIVERY/STILLBORN FETUS

59. NUTRITION OF MOTHER

1. Height _____
2. Prepregnancy Weight _____
3. Weight at delivery _____
4. Did mother get WIC food for herself?

   Yes _____ No _____ Unknown ___

60. MEDICAL RISK FACTORS (Check all that apply.)

1. ☐ Diabetes, prepregnancy
2. ☐ Diabetes, gestational
3. Hypertension
   - ☐ Prepregnancy (Chronic)
   - ☐ Gestational (PIH, preeclampsia)
   - ☐ Eclampsia
4. ☐ Previous preterm birth
5. ☐ Other previous poor pregnancy outcome (SGA, perinatal death, etc.)
6. ☐ Vaginal bleeding during this pregnancy prior to labor
7. ☐ Pregnancy resulted from infertility treatment (If yes, check all that apply.)
   - ☐ Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination
   - ☐ Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))
8. ☐ Mother had a previous cesarean delivery, if yes, how many Number ____
9. ☐ Alcohol use No. of drinks per week: _____
10. ☐ None of the above

61. METHOD OF DELIVERY

1. Forceps attempted? Yes ____ No____

   Successful: Yes _____ No_____
2. Vacuum extraction attempted?

   Yes _____ No_____

   Successful: Yes _____ No _____
3. Fetal presentation at delivery
   - ☐ Cephalic
   - ☐ Breech
   - ☐ Other
4. Final route and method of delivery (check one)
   - ☐ Vaginal/spontaneous
   - ☐ Vaginal/forceps
   - ☐ Vaginal/vacuum
   - ☐ Cesarean, if cesarean was a trial of labor attempted?

     Yes _____ No_____
5. Hysterotomy/Hysterectomy

   Yes _____ No _____

62. MATERNAL MORBIDITY (Check all that apply.)
(These are complications associated with labor and delivery.)

1. ☐ Maternal transfusion
2. ☐ Third or fourth degree perineal laceration
3. ☐ Ruptured uterus
4. ☐ Unplanned hysterectomy
5. ☐ Admission to intensive care unit
6. ☐ Unplanned operating room procedure following delivery
7. ☐ None of the above

63. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.)

1. ☐ Gonorrhea
2. ☐ Syphilis
3. ☐ Herpes Simplex Virus (HSV)
4. ☐ Chlamydia
5. ☐ Listeria
6. ☐ Group B Streptococcus
7. ☐ Cytomeglovirus
8. ☐ Parvo virus
9. ☐ Toxoplasmosis
10. ☐ AIDS or HIV antibody
11. ☐ None of the above
12. ☐ Other (Specify) _____

64. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)

1. ☐ Anencephaly
2. ☐ Meningomyelocele/Spina bifida
3. ☐ Cyanotic congenital heart disease
4. ☐ Congenital diaphragmatic hernia
5. ☐ Omphalocele
6. ☐ Gastroschisis
7. ☐ Limb reduction defect (excluding congenital amputation and dwarfing syndromes)
8. ☐ Cleft Lip with or without Cleft Palate
9. ☐ Cleft Palate alone
10. ☐ Down Syndrome
    - ☐ Karyotype confirmed
    - ☐ Karyotype pending
11. ☐ Suspected chromosomal disorder
    - ☐ Karyotype confirmed
    - ☐ Karyotype pending
12. ☐ Hypospadias
13. ☐ Fetal alcohol syndrome
14. ☐ Other congenital anomalies *(Specify)* _____
15. ☐ None of the above

THIS IS NOT PART OF THE CERTIFICATE OF STILLBIRTH
Test required by K.S.A. 65-153F, 153G

Serological Test Made: _____ 1st _____ 2nd _____ 3rd (Trimester) _____ At Delivery _____ Not Performed

If no test made, state reason: _____

SAMPLE

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF LIVE BIRTH

115-

State File Number

1. CHILD'S NAME (First, Middle, Last, Suffix)		2. DATE OF BIRTH (Month, Day, Year)	3. TIME OF BIRTH M
4. SEX	5. BIRTH WEIGHT (Grams)	6. CITY, TOWN, OR LOCATION OF BIRTH	7. COUNTY OF BIRTH
8. PLACE OF BIRTH ☐ Hospital ☐ Freestanding Birthing Center ☐ Home Birth ☐ Clinic/Doctor's Office ☐ Other (Specify) _____		9. FACILITY NAME (If not institution, give street and number)	
10. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. Certifier's Signature ➢ _____	11. DATE SIGNED (Month, Day, Year)	12. ATTENDANT'S NAME AND TITLE (Type) Name _____ ☐ M.D. ☐ D.O. ☐ C.N.M. ☐ Other Midwife ☐ Other (Specify) _____	
13. Certifier's Name and Title (Type) Name _____ ☐ M.D. ☐ D.O. ☐ Hosp Adm. ☐ C.N.M. ☐ Other Midwife ☐ Other (Specify) _____		14. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route, City, or Town, State, Zip Code)	
15. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		16. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE	
17. DATE OF BIRTH (Month, Day, Year)	18. BIRTHPLACE (State, Territory, or Foreign Country)	19. PRESENT RESIDENCE-STATE	
20. COUNTY	21. CITY, TOWN, OR LOCATION	22. STREET AND NUMBER OF PRESENT RESIDENCE	
23. ZIP CODE	24. INSIDE CITY LIMITS? ☐ YES ☐ NO	25. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)	
26. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		27. DATE OF BIRTH (Month, Day, Year)	28. BIRTHPLACE (State, Territory, or Foreign Country)
29. PARENTS REQUEST SOCIAL SECURITY NUMBER ISSUANCE? ☐ YES ☐ NO		30. IMMUNIZATION REGISTRY I wish to enroll my child in the Immunization Registry ☐ YES ☐ NO	
31. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature of Parent (or Other Informant) ➢ _____		32. DATE SIGNED (Month, Day, Year)	33 DATE FILED BY STATE REGISTRAR (Month, Day, Year) (Vital Statistics only)

SAMPLE

34. IF HOME BIRTH, WAS DELIVERY PLANNED AT HOME? ☐ Yes ☐ No ☐ Unknown

35. MOTHER'S SOCIAL SECURITY NUMBER

36. FATHER'S SOCIAL SECURITY NUMBER

37a. WAS MOTHER EVER MARRIED? ☐ Yes ☐ No ☐ Unknown

37b. MOTHER MARRIED? (At birth, conception or any time between) ☐ Yes ☐ No ☐ Unknown

37c. IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED? ☐ Yes ☐ No

37d. MOTHER REFUSES TO GIVE HUSBAND'S INFORMATION ☐ Yes ☐ No

38. WHAT IS THE PRIMARY LANGUAGE SPOKEN IN THE HOME? ☐ English ☐ Spanish ☐ Vietnamese ☐ German ☐ French ☐ Russian ☐ Ukrainian ☐ Mandarin ☐ Cantonese ☐ Sign Language ☐ Other *(Specify)* _____

39. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "No" box if the parent is not Spanish, Hispanic, or Latino.)

39a. MOTHER
- ☐ No, not Spanish/ Hispanic/Latina
- ☐ Yes, Mexican/Mexican American/Chicana
- ☐ Yes, Puerto Rican
- ☐ Yes, Cuban
- ☐ Yes, Central American
- ☐ Yes, South American
- ☐ Yes, other Spanish/ Hispanic/Latina (Specify)_____
- ☐ Unknown

39b. FATHER
- ☐ No, not Spanish/ Hispanic/Latino
- ☐ Yes, Mexican/Mexican American/Chicano
- ☐ Yes, Puerto Rican
- ☐ Yes, Cuban
- ☐ Yes, Central American
- ☐ Yes, South American
- ☐ Yes, other Spanish/ Hispanic/Latino (Specify)_____
- ☐ Unknown

40. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)

40a. MOTHER
- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____
- ☐ Asian Indian
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese
- ☐ Korean
- ☐ Vietnamese
- ☐ Other Asian (Specify) _____
- ☐ Native Hawaiian
- ☐ Guamanian or Chamorro
- ☐ Samoan
- ☐ Other Pacific Islander (Specify) _____
- ☐ Other (Specify) _____
- ☐ Unknown

40b. FATHER
- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____
- ☐ Asian Indian
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese
- ☐ Korean
- ☐ Vietnamese
- ☐ Other Asian (Specify) _____
- ☐ Native Hawaiian
- ☐ Guamanian or Chamorro
- ☐ Samoan
- ☐ Other Pacific Islander (Specify) _____
- ☐ Other (Specify) _____
- ☐ Unknown

41. ANCESTRY - What is the parents' ancestry or ethnic origin?- Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)

42. OCCUPATION AND BUSINESS/INDUSTRY

	Occupation	Business/Industry (Do not give name of company.)
41a. MOTHER	42a. MOTHER (Most recent)	42c. MOTHER
41b. FATHER	42b. FATHER (Usual)	42d. FATHER

43. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)

43a. MOTHER'S EDUCATION
- ☐ 8th grade or less
- ☐ 9th - 12th grade; no diploma
- ☐ High school graduate or GED
- ☐ Some College credit, but no degree
- ☐ Associate degree (e.g., AA,AS)
- ☐ Bachelor's degree (e.g., BA, AB, BS)
- ☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
- ☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
- ☐ Unknown

43b. FATHER'S EDUCATION
- ☐ 8th grade or less
- ☐ 9th - 12th grade; no diploma
- ☐ High school graduate or GED
- ☐ Some College credit, but no degree
- ☐ Associate degree (e.g., AA,AS)
- ☐ Bachelor's degree (e.g., BA, AB, BS)
- ☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
- ☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
- ☐ Unknown

44. PREVIOUS LIVE BIRTHS (Do not include this child.)

44a. Now living Number _____ ☐ None

44b. Now dead Number _____ ☐ None

45. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)

45a. Before 20 weeks Number _____ ☐ None

45b. 20 weeks & over Number _____ ☐ None

46. PRENATAL CARE? ☐ Yes ☐ No

49. PRENATAL VISITS-Total Number (If none, enter "0")

47. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)

50. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)

44c. DATE OF LAST LIVE BIRTH (Month, Year)

45c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)

48. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)

51. OBSTETRIC ESTIMATE OF GESTATION (Completed Weeks)

52. PLURALITY-Single, Twin, Triplet, etc. (Specify)

53. IF NOT A SINGLE BIRTH – Born First, Second, Third, etc. (Specify)

54. TOTAL LIVE BIRTHS AT THIS DELIVERY

55. IS INFANT ALIVE AT THE TIME OF THIS REPORT? ☐ Yes ☐ No ☐ Unknown

56. IS INFANT BEING BREAST-FED AT DISCHARGE? ☐ Yes ☐ No ☐ Unknown

57. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? ☐ Yes ☐ No ☐ Unknown

For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked **per day** during each time period. If none, enter "0".

Average number of cigarettes or packs of cigarettes **smoked per day** for each period:

	No.	No.
Three months before pregnancy:	_____ cigarettes or	_____ packs
First three months of pregnancy:	_____ cigarettes or	_____ packs
Second three months of pregnancy:	_____ cigarettes or	_____ packs
Third Trimester of pregnancy:	_____ cigarettes or	_____ packs

58. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY
- ☐ Medicaid
- ☐ Private/Employer Ins.
- ☐ Self-pay
- ☐ Indian Health Service government
- ☐ CHAMPUS/TRICARE
- ☐ Other
- ☐ Other (Specify) _____
- ☐ Unknown

59. MOTHER'S MEDICAL RECORD NO.

60. NEWBORN'S MEDICAL RECORD NO.

61. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR

62. INFANT TRANSFERRED (Within 24 hours of delivery)

SAMPLE

FETAL INDICATIONS? ☐ Yes ☐ No (If yes, enter facility name)	☐ Yes ☐ No (If yes, enter facility name)
FACILITY TRANSFERRED FROM:	FACILITY TRANSFERRED TO:

CHILD'S NAME _____ MOTHER'S NAME _____

PRENATAL (Birth)

63. NUTRITION OF MOTHER

1. Height _____
2. Prepregnancy Weight _____
3. Weight at delivery _____
4. Did mother get WIC food for herself?
   Yes _____ No _____
   Unknown _____

64. MEDICAL RISK FACTORS (Check all that apply.)

1. ☐ Diabetes, prepregnancy
2. ☐ Diabetes, gestational
3. Hypertension
   - ☐ Prepregnancy (Chronic)
   - ☐ Gestational (PIH, preeclampsia)
   - ☐ Eclampsia
4. ☐ Previous preterm birth
5. ☐ Other previous poor pregnancy outcome (SGA, perinatal death, etc.)
6. ☐ Vaginal bleeding during this pregnancy prior to labor
7. ☐ Pregnancy resulted from infertility treatment (If yes, check all that apply.)
   - ☐ Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination
   - ☐ Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))
8. ☐ Mother had a previous cesarean delivery, if yes, how many? Number: _____
9. ☐ Alcohol use
   No. of drinks per week: _____
10. ☐ None of the above

65. METHOD OF DELIVERY

1. Forceps attempted? Yes ____ No____
   Successful Yes _____ No_____
2. Vacuum extraction attempted?
   Yes _____ No_____
   Successful Yes _____ No _____
3. Fetal presentation at delivery
   - ☐ Cephalic
   - ☐ Breech
   - ☐ Other
4. Final route and method of delivery (check one)
   - ☐ Vaginal/spontaneous
   - ☐ Vaginal/forceps
   - ☐ Vaginal/vacuum
   - ☐ Cesarean, if cesarean was a trial of labor attempted?
     Yes _____ No_____

LABOR-DELIVERY/NEWBORN

66. OBSTETRICAL PROCEDURES (Check all that apply.)

1. ☐ Cervical cerclage
2. ☐ Tocolysis
3. External cephalic version:
   - ☐ Successful
   - ☐ Failed
4. ☐ None of the above

67. ONSET OF LABOR (Check all that apply.)

1. ☐ Premature Rupture of the Membranes (prolonged, ≥ 12 hours)
2. ☐ Precipitous Labor (< 3 hrs)
3. ☐ Prolonged Labor (≥ 20 hrs)
4. ☐ None of the above

68. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply.)

1. ☐ Induction of labor
2. ☐ Augmentation of labor
3. ☐ Non-vertex presentation
4. ☐ Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery
5. ☐ Antibiotics received by the mother during labor
6. ☐ Clinical chorioamnionitis diagnosed during labor or maternal temperature ≥ 38 C (100.4 F)
7. ☐ Moderate/heavy meconium staining of the amniotic fluid
8. ☐ Fetal intolerance of labor: (examples: in-utero resuscitative measures, further fetal assessment, or operative delivery)
9. ☐ Epidural or spinal anesthesia during labor
10. ☐ None of the above

69. MATERNAL MORBIDITY
(Check all that apply.)
(These are complications associated with labor and delivery.)

1. ☐ Maternal transfusion
2. ☐ Third or fourth degree perineal laceration
3. ☐ Ruptured uterus
4. ☐ Unplanned hysterectomy
5. ☐ Admission to intensive care unit
6. ☐ Unplanned operating room procedure following delivery
7. ☐ None of the above

70. INFECTIONS PRESENT AND/OR TREATED
(During this pregnancy, check all that apply.)

1. ☐ Gonorrhea
2. ☐ Syphilis
3. ☐ Herpes Simplex Virus (HSV)
4. ☐ Chlamydia
5. ☐ Hepatitis B
6. ☐ Hepatitis C
7. ☐ AIDS or HIV antibody
8. ☐ None of the above

71. ABNORMAL CONDITIONS OF NEWBORN (Check all that apply)

1. ☐ Assisted ventilation required immediately following delivery
2. ☐ Assisted ventilation required for more than six hours
3. ☐ NICU admission
4. ☐ Newborn given surfactant replacement therapy
5. ☐ Antibiotics received by the newborn for suspected neonatal sepsis
6. ☐ Seizure or serious neurologic dysfunction
7. ☐ Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention
8. ☐ None of the above

72. VACCINES ADMINISTERED TO NEWBORN

1. ☐ Hepatitis B Date Given: _____
2. ☐ Other* Specify: _____
   Date Given: _____

73. APGAR SCORE

1 min	5 min	10 min

74. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)

1. ☐ Anencephaly
2. ☐ Meningomyelocele/Spina bifida
3. ☐ Cyanotic congenital heart disease
4. ☐ Congenital diaphragmatic hernia
5. ☐ Omphalocele
6. ☐ Gastroschisis
7. ☐ Limb reduction defect (excluding congenital amputation and dwarfing syndromes)
8. ☐ Cleft Lip with or without Cleft Palate
9. ☐ Cleft Palate alone
10. ☐ Down Syndrome
    - ☐ Karyotype confirmed
    - ☐ Karyotype pending
11. ☐ Suspected chromosomal disorder
    - ☐ Karyotype confirmed
    - ☐ Karyotype pending
12. ☐ Hypospadias
13. ☐ Fetal alcohol syndrome
14. ☐ Other congenital anomalies *(Specify)* _____
15. ☐ None of the above

SAMPLE

Parent's Telephone Number: _____

CHILD'S NAME _____ MOTHER'S NAME _____

Test required by K.S.A. 65-153f 153G Serological Test Made: _____ 1st _____ 2nd _____ 3rd (Trimester) _____ At Delivery _____ Not Performed If no test made, state reason:	Test required by K.S.A. 65-180 Infant Neonatal Screening specimen taken: _____ Yes _____ No Kit Number _____ If no test made, state reason:	Test required by K.S.A. 65-1157A Newborn Hearing Screening Accomplished: _____ Yes ____ No

Infant's patient number:

Infant's Primary Care Physician

First	Middle	Last	Title (MD, DO, etc.)

If screening accomplished, Date hearing screened _____/_____/_____ Month Day Year	The results of the hearing screening ✓: Right ear: _____ Pass _____ Refer for further testing Left ear: _____ Pass _____ Refer for further testing

Physiologic equipment used ✓: _____ OAE _____ AABR _____ ABR

If screening not accomplished, ✓ one reason:

_____ b – missed appointment	_____ o – other
_____ c – could not test	_____ r – did not consent
_____ d – deceased	_____ s – scheduled but not completed
_____ i – Incomplete test	_____ t – transferred to another hospital
_____ m – Infant discharged before screening	_____ u – no information
_____ n – transferred to NICU	_____ x – invalid results

SAMPLE

TYPE OR PRINT IN PERMANENT INK

INSTRUCTIONS SEE HANDBOOK

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Office of Health Assessment
Curtis State Office Building, Suite 130
1000 SW Jackson
Topeka, Kansas 66612-1354
785-296-8627

Report of Induced Termination of Pregnancy

State File Number

1. Provider Identification Number

2. Patient ID Number

3. Age on Last Birthday

4. Married ☐ Yes ☐ No

5. Date of Pregnancy Termination ☐☐ Month ☐☐ Day ☐☐☐☐ Year

6a. Residence *US State or Country*

6b. County

6c. City or Town

6d. Inside City Limits ☐ Yes ☐ No

7a. Hispanic Origin
(Check the box or boxes that best describes whether the individual is Spanish, Hispanic, or Latina, or not Spanish, Hispanic, or Latina)

- ☐ Not Spanish, Hispanic, or Latina
- ☐ Mexican, Mexican American, or Chicana
- ☐ Puerto Rican
- ☐ Cuban
- ☐ Central American
- ☐ South American
- ☐ Other Spanish, Hispanic, or Latina (specify) _____
- ☐ Unknown

7b. Ancestry
(Enter the name of the country that best describes the heritage or origin of the individual)

8. Race
(Check one or more races to indicate what the individual considers herself to be)

- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native

Principal Tribe(s) _____

- ☐ Asian Indian
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese
- ☐ Korean
- ☐ Vietnamese
- ☐ Other Asian (specify) _____
- ☐ Native Hawaiian
- ☐ Guamanian or Chamorro
- ☐ Samoan
- ☐ Other Pacific Islander (specify) _____
- ☐ Other (specify) _____
- ☐ Unknown

9. Education
(specify only highest grade completed)

- ☐ 8th grade or less
- ☐ 9th-12th grade no diploma
- ☐ High school graduate/GED
- ☐ Some College - no degree
- ☐ Associate degree
- ☐ Bachelor's degree
- ☐ Master's degree
- ☐ Doctorate
- ☐ Unknown

10. Date Last Normal Menses Began
☐☐ Month ☐☐ Day ☐☐☐☐ Year

11. Clinical Estimate of Gestation
(Weeks) (1)

12. Previous Pregnancies
(Enter number or zero in every section)

Live Births		12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)
12a. Now Living	12b. Now Dead		

13 TERMINATION PROCEDURES

13a Procedure that terminated pregnancy

(Check only one)

- ☐ Suction Curettage
- ☐ Sharp Curettage
- ☐ Dilation & Evacuation
- ☐ Medical Procedure I (Mifepristone)
- ☐ Medical Procedure II (Methotrexate)
- ☐ Intra-Uterine Prostaglandin Instillation
- ☐ Hysterotomy
- ☐ Hysterectomy
- ☐ Digoxin/Induction
- ☐ Partial Birth (2)
- ☐ Other (Specify) _____

13b Additional procedures used for this termination, if any

(Check all that apply)

- ☐ Suction Curettage
- ☐ Sharp Curettage
- ☐ Dilation & Evacuation
- ☐ Medical Procedure I (Mifepristone)
- ☐ Medical Procedure II (Methotrexate)
- ☐ Intra-Uterine Prostaglandin Instillation
- ☐ Hysterotomy
- ☐ Hysterectomy
- ☐ Digoxin/Induction
- ☐ Partial Birth (2)
- ☐ Other (Specify) _____

1 If clinical estimate of gestational age is 22 weeks or more, complete reverse side of form
2 If Partial Birth Procedure as defined by KSA 65-6721 is used, complete reverse side of form

VS 213 Rev. 1/2005

SAMPLE

REPORT OF INDUCED TERMINATION OF PREGNANCY (Cont.)

Complete the following items only if the clinical estimate of gestational age is 22 weeks or more	
14.	Reasons for determining gestational age 22 weeks or more
15a	Was fetus viable? ☐ YES ☐ NO
15b	Reasons for the determination Complete 16a-c only if 15a is yes
16a	Was this abortion necessary to (Check all that apply) ☐ Prevent patient's death ☐ Prevent substantial and irreversible impairment of a major bodily function
16b	Reasons for determination
16c	Basis for determination

Complete the following items only if a partial birth procedure was performed	
17a	Was fetus viable? ☐ YES ☐ NO
17b	Reasons for determination Complete 18a-b only if 17a is yes
18a	Was this abortion necessary to (Check all that apply) ☐ Prevent patient's death ☐ Prevent substantial and irreversible impairment of a major bodily function If so, was the impairment ☐ Physical ☐ Mental
18b	Reasons for determination

SAMPLE

TYPE OR PRINT IN PERMANENT INK

INSTRUCTIONS SEE HANDBOO

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Bureau of Epidemiology and Public Health Informatics
Curtis State Office Building, Suite 130
1000 SW Jackson
Topeka, Kansas 66612-1354
785-296-8627

Report of Induced Termination of Pregnancy

State File Number

1. Provider Identification Number

2. Patient ID Number

3. Age on Last Birthday

4. Married ☐ Yes ☐ No

5. Date of Pregnancy Termination
Month Day Year

6a. Residence *US State or Country*

6b. County

6c. City or Town

6d. Inside City Limits ☐ Yes ☐ No

7a. Hispanic Origin
(Check the box or boxes that best describes whether the individual is Spanish, Hispanic, or Latina, or not Spanish, Hispanic, or Latina)

- ☐ Not Spanish, Hispanic, or Latina
- ☐ Mexican, Mexican American, or Chicana
- ☐ Puerto Rican
- ☐ Cuban
- ☐ Central American
- ☐ South American
- ☐ Other Spanish, Hispanic, or Latina (specify) _____
- ☐ Unknown

7b. Ancestry
(Enter the name of the country that best describes the heritage or origin of the individual)

8. Race
(Check one or more races to indicate what the individual considers herself to be

- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native

Principal Tribe(s)_____

- ☐ Asian Indian
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese
- ☐ Korean
- ☐ Vietnamese
- ☐ Other Asian (specify) _____
- ☐ Native Hawaiian
- ☐ Guamanian or Chamorro
- ☐ Samoan
- ☐ Other Pacific Islander (specify) _____
- ☐ Other (specify) _____
- ☐ Unknown

9. Education
(specify only highest grade completed)

- ☐ 8th grade or less
- ☐ 9th-12th grade no diploma
- ☐ High school graduate/GED
- ☐ Some College - no degree
- ☐ Associate degree
- ☐ Bachelor's degree
- ☐ Master's degree
- ☐ Doctorate
- ☐ Unknown

10. Date Last Normal Menses Began
Month Day Year

11. Clinical Estimate of Gestation
(Weeks) (1)

12. Previous Pregnancies
(Enter number or zero in every section)

Live Births		12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)
12a. Now Living	12b. Now Dead		

13 TERMINATION PROCEDURES

13a Procedure that terminated pregnancy
(Check only one)

- ☐ Suction Curettage
- ☐ Sharp Curettage
- ☐ Dilation & Evacuation
- ☐ Medical Procedure I (Mifepristone)
- ☐ Medical Procedure II (Methotrexate)
- ☐ Intra-Uterine Prostaglandin Instillation
- ☐ Hysterotomy
- ☐ Hysterectomy
- ☐ Digoxin/Induction
- ☐ Partial Birth (2)
- ☐ Other (Specify) _____

13b Additional procedures used for this termination, if any
(Check all that apply)

- ☐ Suction Curettage
- ☐ Sharp Curettage
- ☐ Dilation & Evacuation
- ☐ Medical Procedure I (Mifepristone)
- ☐ Medical Procedure II (Methotrexate)
- ☐ Intra-Uterine Prostaglandin Instillation
- ☐ Hysterotomy
- ☐ Hysterectomy
- ☐ Digoxin/Induction
- ☐ Partial Birth (2)
- ☐ Other (Specify) _____

14 Reasons for determining gestational age - describe methods used

15. Was Report of physical, mental, or emotional abuse or neglect filed pursuant to K.S.A. 38-2223
YES ☐ NO ☐

1 If clinical estimate of gestational age is 22 weeks or more, complete reverse side of form
2 If Partial Birth Procedure as defined by KSA 65-6721 is used, complete reverse side of form
VS 213 Rev. 6/2011

SAMPLE

Complete the following items only if the clinical estimate of gestational age is 22 weeks or more

16a Was fetus viable?

☐ YES ☐ NO

16b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 16a-c only if 15a is yes

17a Was this abortion necessary to
(Check all that apply)

☐ Prevent patient's death

☐ Prevent substantial and irreversible impairment of a major bodily function

17b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

17c Basis for determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete the following items only if a partial birth procedure was performed

18a Was fetus viable?

☐ YES ☐ NO

18b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 18a-b only if 17a is yes

19a Was this abortion necessary to
(Check all that apply)

☐ Prevent patient's death

☐ Prevent substantial and irreversible physical impairment of a major bodily function

19b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

SAMPLE

Kansas Department Of Health And Environment
Office of Vital Statistics

CERTIFICATE OF DEATH

State File Number

1. DECEDENT'S LEGAL NAME (First, Middle, Last)	2. SEX	3. IF FEMALE, NAME PRIOR TO FIRST MARRAIGE	4. DATE OF DEATH (Month, Day, Year)

5. SOCIAL SECURITY NUMBER	6. DATE OF BIRTH (Month, Day, Year)	7a. AGE-Last Birthday (Years)	7b. UNDER 1 YEAR		7c. UNDER 1 DAY		8. PLACE OF BIRTH (City and State or Foreign Country)
			Months	Days	Hours	Minutes	

9. WAS DECEDENT EVER IN U.S. ARMED FORCES?	10a. PLACE OF DEATH (Check only one)	
☐ Yes ☐ No ☐ Unknown	HOSPITAL ☐ Inpatient ☐ DOA ☐ ER/Outpatient	☐ Nursing Home ☐ Hospice Facility ☐ Assisted Living Facility ☐ Decedent's Residence ☐ Other (Specify) _____

10b. FACILITY NAME (If not institution, give street and number)	10c. COUNTY OF DEATH	10d. CITY OR TOWN OF DEATH	10e. ZIP CODE

11. MARITAL STATUS	12. SURVIVING SPOUSE (If wife, give name before first marriage)
☐ Married ☐ Married, but separated ☐ Widowed ☐ Divorced ☐ Never Married ☐ Unknown	

13a. RESIDENCE-STREET ADDRESS & APARTMENT NO.	13b. STATE

13c. COUNTY	13d.CITY OR TOWN	13e. ZIP CODE	13f. INSIDE CITY LIMITS?
			☐ Yes ☐ No ☐ Unknown

14. FATHER'S NAME (First, Middle, Last)	15. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)

16a. INFORMANT'S NAME (First, Middle, Last)	16b. MAILING ADDRESS (Street and Number, City, State, Zip Code)	16c. RELATIONSHIP TO DECEDENT

17. METHOD OF DISPOSITION	18a. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)	18b. LOCATION-City or Town, and State
☐ Burial ☐ Cremation ☐ Removal from State ☐ Donation ☐ Entombment ☐ Other (Specify) _____		

19. FUNERAL SERVICE LICENSEE & LICENSE NO. (Signature)	20. NAME OF EMBALMER & LICENSE NO.
➢	

21. NAME AND ADDRESS OF FIRM

22. CAUSE OF DEATH – Part I. Enter the chain of events - diseases, injuries, or complications-that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines, if necessary.

		Approximate Interval: Onset to Death
IMMEDIATE CAUSE (Final disease or condition resulting in death)	a.	
	DUE TO (OR AS A CONSEQUENCE OF):	
Sequentially list conditions, if any, leading to immediate cause listed on line a. Enter the **UNDERLYING CAUSE** (disease or injury that initiated the events resulting in death) LAST.	b.	
	DUE TO (OR AS A CONSEQUENCE OF):	
	c.	
	DUE TO (OR AS A CONSEQUENCE OF):	
	d.	

PART II. Enter other significant conditions contributing to death, but not resulting in the underlying cause given in Part I.	23a.AUTOPSY	23b.WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH?	23c.WAS CORONER CONTACTED?
	☐ Yes ☐ No ☐ Unknown	☐ Yes ☐ No ☐ Unknown ☐ Not Applicable	☐ Yes ☐ No ☐ Unknown

24. DID TOBACCO USE CONTRIBUTE TO DEATH?	25. IF FEMALE	26. MANNER OF DEATH
☐ Yes ☐ Probably ☐ No ☐ Unknown	☐ Not pregnant within past year ☐ Not pregnant, but pregnant 43 days to 1 year before death ☐ Pregnant at time of death ☐ Unknown if pregnant within the last year ☐ Not pregnant, but pregnant within 42 days of death	☐ Natural ☐ Homicide ☐ Accident ☐ Pending Investigation ☐ Suicide ☐ Could not be determined

27a. DATE OF INJURY (Month, Day, Year)	27b. TIME OF INJURY	27c. INJURY AT WORK	27d. DESCRIBE HOW INJURY OCCURRED
	A.M. P.M.	☐ Yes ☐ No	

27e. PLACE OF INJURY-Residence, farm, street, factory, building, etc. (Specify)	27f. LOCATION (Street and Number or Rural Route, City or Town, State, Zip Code)

28a. DATE PRONOUNCED DEAD (Month, Day, Year)	28b. TIME PRONOUNCED DEAD	28c. ACTUAL OR PRESUMED TIME OF DEATH	28d. NAME OF PERSON PRONOUNCING DEATH (If applicable)	28e. LICENSE NO.
	A.M. P.M.	A.M. P.M.		

29a.**CERTIFIER** (Check only one)

☐ Certifying physician - To the best of my knowledge, death occurred due to the cause(s) and manner stated.
☐ Pronouncing & Certifying physician - To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner stated.
☐ Coroner - On the basis of examination, and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner stated.

Signature of certifier ➢ LICENSE NO. DATE CERTIFIER SIGNED

29b. NAME, ADDRESS, AND ZIP CODE OF PERSON COMPLETING CAUSE OF DEATH ☐ M.D. ☐ D.O.	30. DATE FILED BY STATE REGISTRAR (Month, Day, Year)

SAMPLE

31. ANCESTRY-What is this person's ancestry or ethnic origin? Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)

32. HISPANIC ORIGIN (Check the box or boxes that best describes whether the decedent is Spanish/Hispanic/Latino. Check the "no" box if the decedent is not Spanish/Hispanic/Latino)

- ☐ No, not Spanish/Hispanic/Latino
- ☐ Yes, Mexican/Mexican American/Chicano
- ☐ Yes, Puerto Rican
- ☐ Yes, Cuban
- ☐ Yes, Central American
- ☐ Yes, South American
- ☐ Yes, other Spanish/Hispanic/Latino (Specify)

_____

- ☐ Unknown

33. RACE (Check one or more boxes to indicate what race(s) the decedent considered himself or herself to be.)

- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native (Name of the enrolled or principal tribes)

_____

_____

- ☐ Asian Indian
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese
- ☐ Korean
- ☐ Vietnamese
- ☐ Other Asian (Specify)

_____

_____

- ☐ Native Hawaiian
- ☐ Guamanian or Chamorro
- ☐ Samoan
- ☐ Other Pacific Islander (Specify)

_____

_____

- ☐ Other (Specify)

_____

_____

- ☐ Unknown

34. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of death.)

- ☐ 8th grade or less
- ☐ 9th - 12th grade; no diploma
- ☐ High school graduate or GED
- ☐ Some College credit, but no degree
- ☐ Associate degree (e.g., AA, AS)
- ☐ Bachelor's degree (e.g., BA, AB, BS)
- ☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
- ☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
- ☐ Unknown

35. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.)

36. KIND OF BUSINESS/INDUSTRY (Do not give name of company.)

SAMPLE

License No.

STATE OF KANSAS
DEPARTMENT OF HEALTH AND ENVIRONMENT
Office of Vital Statistics

Marriage License

1. GROOM'S NAME – FIRST	MIDDLE	LAST	2. DATE OF BIRTH (Month, Day, Year)
3. BIRTHPLACE (State or Foreign Country)	4. RESIDENCE – STATE OR FOREIGN COUNTRY	5. COUNTY OR PROVINCE	6. CITY OR TOWN
7. FATHER'S NAME (First, Middle, Last)	8. BIRTHPLACE (State or Foreign Country)	9. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)	10. BIRTHPLACE (State or Foreign Country)
11. BRIDE'S NAME- FIRST	MIDDLE	LAST	
12. LAST NAME PRIOR TO FIRST MARRIAGE (If different)	13. DATE OF BIRTH (Month, Day, Year)	14. BIRTHPLACE (State or Foreign Country)	
15. RESIDENCE – STATE OR FOREIGN COUNTRY	16. COUNTY OR PROVINCE	17. CITY OR TOWN	
18. FATHER'S NAME (First, Middle, Last)	19. BIRTHPLACE (State or Foreign Country)	20. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)	21. BIRTHPLACE (State or Foreign Country)
22a. GROOM'S MOTHER/PARENT I OR GUARDIAN CONSENTING (If applicable, type or print)		22c. BRIDE'S MOTHER/PARENT I OR GUARDIAN CONSENTING (If applicable, type or print)	
22b. GROOM'S FATHER/PARENT II OR GUARDIAN CONSENTING (If applicable, type or print)		22d. BRIDE'S FATHER/PARENT II OR GUARDIAN CONSENTING (If applicable, type or print)	
22e. HAVE ALL LIVING PARENT(S) OR GUARDIAN(S) CONSENTED? GROOM Yes ☐ No ☐ Emancipated ☐ Parent(s) Deceased ☐		BRIDE Yes ☐ No ☐ Emancipated ☐ Parent(s) Deceased ☐	
22f. NAME OF CONSENTING JUDGE (If applicable, please type or print)			

Completed marriage license is to be returned to Issuing District Court within 10 days after marriage.

23. DISTRICT COURT OF ISSUANCE	24. DATE LICENSE ISSUED (Month, Day, Year)	25. EXPIRATION DATE (Month, Day, Year)
26. ISSUING OFFICIAL	27. TITLE OF ISSUING OFFICIAL	28. DATE RECEIVED BY COURT OFFICIAL

This License Authorizes the Marriage in This State of the Parties Named Above By Any Person Duly Authorized to Perform a Marriage Ceremony Under the Laws of the State of Kansas.

29. I CERTIFY THAT THE ABOVE NAMED PERSONS WERE MARRIED ON: (Month, Day, Year)	30. WHERE MARRIED - COUNTY	31. CITY OR TOWN
32. SIGNATURE OF PERSON PERFORMING CEREMONY	33. NAME OF PERSON PERFORMING CEREMONY (Please type or print)	34. TITLE
35. ADDRESS OF PERSON PERFORMING CEREMONY (Street and No. or Rural Route, City or Town, State, Zip Code)		
36. WITNESS NAME TO CEREMONY (Print or Type)	37. WITNESS NAME TO CEREMONY (Print or Type)	

Designated new legal name pursuant to K.S.A. 23-133. (If applicable)

38. GROOM'S NAME - FIRST	MIDDLE	LAST
39. BRIDE'S NAME - FIRST	MIDDLE	LAST

STATISTICAL INFORMATION MUST BE COMPLETED ON THE BACK BEFORE SUBMITTING LICENSE TO STATE

SAMPLE

STATISTICAL INFORMATION
(THE INFORMATION BELOW WILL NOT APPEAR ON CERTIFIED COPIES OF THE RECORD.)

40. NUMBER OF THIS MARRIAGE First, Second, etc. (Specify below)	41. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED		DATE RECEIVED BY STATE REGISTRAR (Vital Statistics Use Only)
	By Death, Divorce, or Annulment (Specify below)	Date (Month, Day, Year)	
40a. GROOM	41a. GROOM	41b GROOM	42. GROOM'S SOCIAL SECURITY NUMBER
40b. BRIDE	41c. BRIDE	41d. BRIDE	43. BRIDE'S SOCIAL SECURITY NUMBER

44. GROOM AND BRIDE'S HISPANIC ORIGIN (Check the box or boxes that best describes whether you are Spanish, Hispanic, or Latino. Check the "no" box if you are not Spanish, Hispanic or Latino.)

44a. GROOM	44b. BRIDE
☐ No, not Spanish/ Hispanic/Latino	☐ No, not Spanish/ Hispanic/Latina
☐ Yes, Mexican, Mexican American, Chicano	☐ Yes, Mexican, Mexican American, Chicana
☐ Yes, Puerto Rican	☐ Yes, Puerto Rican
☐ Yes, Cuban	☐ Yes, Cuban
☐ Yes, Central American	☐ Yes, Central American
☐ Yes, South American	☐ Yes, South American
☐ Yes, other Spanish/ Hispanic/Latino	☐ Yes, other Spanish/ Hispanic/Latina
(Specify) _____	(Specify)_____
☐ Unknown	☐ Unknown

45. GROOM AND BRIDE'S RACE (Check one or more boxes to indicate what race(s) you consider yourself to be.)

45a. GROOM		45b. BRIDE	
☐ White	☐ Korean	☐ White	☐ Korean
☐ Black or African American	☐ Vietnamese	☐ Black or African American	☐ Vietnamese
☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____	☐ Other Asian (Specify) _____	☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____	☐ Other Asian (Specify) _____
	☐ Native Hawaiian		☐ Native Hawaiian
☐ Asian Indian	☐ Guamanian or Chamorro	☐ Asian Indian	☐ Guamanian or Chamorro
☐ Chinese	☐ Samoan	☐ Chinese	☐ Samoan
☐ Filipino	☐ Other Pacific Islander (Specify)	☐ Filipino	☐ Other Pacific Islander (Specify)
☐ Japanese	_____	☐ Japanese	_____
☐ Other (Specify)	_____	☐ Other (Specify)	_____
_____	☐ Unknown	_____	☐ Unknown
_____		_____	

46. EDUCATION (Check the box that best describes the highest degree or level of school completed)

46a. GROOM'S EDUCATION	☐ 8th grade or less	☐ 9th - 12th grade; no diploma	☐ High school graduate or GED
	☐ Some College credit, but no degree	☐ Associate degree (e.g., AA,AS)	☐ Bachelor's degree (e.g., BA, AB, BS)
☐ Unknown	☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
46b. BRIDE'S EDUCATION	☐ 8th grade or less	☐ 9th - 12th grade; no diploma	☐ High school graduate or GED
	☐ Some College credit, but no degree	☐ Associate degree (e.g., AA,AS)	☐ Bachelor's degree (e.g., BA, AB, BS)
☐ Unknown	☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	

SAMPLE

STATE OF KANSAS
KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Office of Vital Statistics

CERTIFICATE OF DIVORCE OR ANNULMENT

CASE NUMBER **State File Number**

1. HUSBAND'S NAME (First, Middle, Last)	2. DATE OF BIRTH (Month, Day, Year)
3. RESIDENCE-STATE	4. COUNTY
5. WIFE'S NAME (First, Middle, Last)	6. WIFE'S LAST NAME PRIOR TO FIRST MARRIAGE
7. DATE OF BIRTH (Month, Day, Year) / 8. RESIDENCE-STATE	9. COUNTY
10. PLACE OF THIS MARRIAGE - STATE OR FOREIGN COUNTRY / 11. COUNTY / 12. DATE OF THIS MARRIAGE (Month, Day, Year)	13. NUMBER OF CHILDREN UNDER 18 IN THIS HOUSEHOLD AS OF DATE IN ITEM 17
14. PETITIONER ☐ Husband ☐ Wife ☐ Both ☐ Other (Specify) _____	15. NAME OF PETITIONER'S ATTORNEY (Type)
16. ATTORNEY'S ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)	
17. DATE DECREE FILED (Month, Day, Year) / 18. TYPE OF DECREE-(Specify) ☐ Divorce ☐ Annulment	19. COUNTY OF DECREE / 20. DATE FILED BY STATE REGISTRAR (Month, Day, Year)

THE INFORMATION BELOW WILL NOT APPEAR ON CERTIFIED COPIES OF THE RECORD.

K.S.A. 65-2422B, REQUIRES THE DIVORCE REPORT TO INCLUDE THE SOCIAL SECURITY NUMBER OF BOTH PARTIES TO MAKE SUCH INFORMATION AVAILABLE TO THE SECRETARY OF SOCIAL AND REHABILITATION SERVICES FOR THE PURPOSE OF ESTABLISHING, MODIFYING, OR ENFORCING A SUPPORT OBLIGATION.

21. HUSBAND'S SOCIAL SECURITY NUMBER	22. WIFE'S SOCIAL SECURITY NUMBER

23. NUMBER OF THIS MARRIAGE First, Second, etc. *(Specify below)*	24. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED	
	By Death, Divorce, or Annulment *(Specify below)*	Date *(Month, Day, Year)*
23a. HUSBAND	24a. HUSBAND	24b HUSBAND
23b. WIFE	24c. WIFE	24d. WIFE

25. HISPANIC ORIGIN (Check the box or boxes that best describes whether you are Spanish, Hispanic, or Latino. Check the "no" box if you are not Spanish, Hispanic, or Latino.)

25a. HUSBAND	25b. WIFE
☐ No, not Spanish/ Hispanic/Latino	☐ No, not Spanish/ Hispanic/Latina
☐ Yes, Mexican/Mexican American/Chicano	☐ Yes, Mexican/Mexican American/Chicana
☐ Yes, Puerto Rican	☐ Yes, Puerto Rican
☐ Yes, Cuban	☐ Yes, Cuban
☐ Yes, Central American	☐ Yes, Central American
☐ Yes, South American	☐ Yes, South American
☐ Yes, other Spanish/ Hispanic/Latino *(Specify)* _____	☐ Yes, other Spanish/ Hispanic/Latina *(Specify)* _____
☐ Unknown	☐ Unknown

26. RACE (Check one or more boxes to indicate what race(s) you consider yourself to be.)

26a. HUSBAND		26b. WIFE	
☐ White	☐ Korean	☐ White	☐ Korean
☐ Black or African American	☐ Vietnamese	☐ Black or African American	☐ Vietnamese
☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____	☐ Other Asian (Specify) _____ _____	☐ American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ _____	☐ Other Asian (Specify) _____ _____
	☐ Native Hawaiian		☐ Native Hawaiian
☐ Asian Indian	☐ Guamanian or Chamorro	☐ Asian Indian	☐ Guamanian or Chamorro
☐ Chinese	☐ Samoan	☐ Chinese	☐ Samoan
☐ Filipino	☐ Other Pacific Islander *(Specify)* _____	☐ Filipino	☐ Other Pacific Islander *(Specify)* _____
☐ Japanese		☐ Japanese	
☐ Other *(Specify)* _____ _____	☐ Unknown	☐ Other *(Specify)* _____ _____	☐ Unknown

27. EDUCATION (Check the box that best describes the highest degree or level of school completed.)

27a. HUSBAND'S EDUCATION	☐ 8th grade or less	☐ 9th - 12th grade; no diploma	☐ High school graduate or GED
	☐ Some College credit, but no degree	☐ Associate degree (e.g., AA,AS)	☐ Bachelor's degree (e.g., BA, AB, BS)
☐ Unknown	☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
27b. WIFE'S EDUCATION	☐ 8th grade or less	☐ 9th - 12th grade; no diploma	☐ High school graduate or GED
	☐ Some College credit, but no degree	☐ Associate degree (e.g., AA,AS)	☐ Bachelor's degree (e.g., BA, AB, BS)
☐ Unknown	☐ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	☐ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	

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Errata

On April 15, 2015, the KDHE Bureau of Epidemiology and Public Health Informatics made corrections to Table 23 in the Annual Summary 2011. The changes reflected the correction of a logic error in the computer code which had inflated the “Less than Recommended Weight Gain” at the expense of the “N.S.” column. Values for other columns in this table remain unchanged.

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