



Adolescent and Teenage
Pregnancy Report
Kansas, 2016

Research
Summary

Kansas Department of Health and Environment
Division of Public Health
Bureau of Epidemiology and Public Health Informatics
Curtis State Office Building – 1000 SW Jackson, Topeka, KS, 66612-1354
<http://www.kdheks.gov/bephi/>
November 2017

This Research Summary Was Prepared By:

Kansas Department of Health and Environment
Susan Mosier, MD, MBA, FACS, Secretary and State Health Officer

Bureau of Epidemiology and Public Health Informatics
Farah Ahmed, MPH, PhD, Interim Director and Interim State Epidemiologist
Elizabeth W. Saadi, PhD, Deputy Director and State Registrar

Prepared by: Cathryn Savage, PhD
David Oakley, MA
Greg Crawford, BA

Reviewed by: Jamie Kim, MPH

Data for this report were collected by:

Office of Vital Statistics
Kay Haug, Director

Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

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

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Executive Summary

Maintaining and improving family health is an essential component of the state's public health mission. Teen pregnancy accounts for a sizable burden on society. According to the Centers for Disease Control and Prevention (CDC), it is a "winnable battle." The Kansas Department of Health and Environment (KDHE) prepares this report annually to provide data to support assessment and evaluation of teen pregnancies in Kansas. KDHE has a number of programs directed at reducing teen pregnancy.

Pregnancy rates among Kansas resident females aged 10-19 dropped by 12.9 percent from 2015 to 2016. Rates among females aged 10-17, 15-17 and 18-19 as individual age groups also dropped in 2016.

The 2016 Kansas pregnancy rate among females 15-17 years of age (11.2 per 1,000 female age-group population) compares favorably with the Healthy People 2020 (HP 2020) national target of 36.2 pregnancies per 1,000 female age-group population. The state pregnancy rate for females aged 18-19 (47.4 per 1,000 age-group population) also compares favorably with the HP2020 national target of 105.9 pregnancies per 1,000 female age-group population.

While Kansas had lower teen pregnancy rates than the national targets, the state's birth rates for females aged 15-19 were lower than the national rates from 1996 to 2006. Since 2008, teen birth rates in Kansas have remained higher than the U.S. rate; however, both Kansas and the U.S. teen birth rates have been declining since then. In 2016, the Kansas rate decreased 14.1 percent, while the preliminary U.S. rate decreased 9.0 percent since 2015.

Some disparities continue to exist among population groups in Kansas. For example, pregnancy rates per 1,000 age-group and population group examined in 2015 and 2016 showed Black non-Hispanic and Hispanic teens between the ages of 10-17 years continue to be higher than the rate for White non-Hispanics. The pregnancy rate among Black non-Hispanics decreased slightly in 2016 to 6.7 from 6.8 in 2015, while Hispanics with the highest rate among the population groups decreased from 9.0 in 2015 to 8.6 in 2016. The White non-Hispanics pregnancy rate was unchanged at 2.9 per age-group population in 2016.

Introduction

Maintaining and improving family health is an essential component of the public health mission of KDHE. Facilitating healthy pregnancies and positive birth outcomes pays dividends to Kansas society in the form of reduced maternal and infant mortality and fit children capable of learning and growing into productive adults.

It is in this role that the department, through the Division of Public Health's Bureau of Epidemiology and Public Health Informatics (BEPHI), provides this report so progress in reducing adolescent and teen pregnancy can be monitored. The report, first produced in 1995, informs policy makers, local health departments, program managers, and the public on teen pregnancy outcomes and trends over the past 20 years. Statistics contained herein enable evaluation of progress on this public health issue and identification of emerging concerns.

Adolescent and teenage pregnancy accounts for more than \$9 billion per year in costs to U.S. taxpayers for increased health care and foster care, increased incarceration rates among children of teen parents and lower educational attainment and income among teen mothers [1]. Pregnancy and birth represent significant contributors to high school dropout rates among girls. About 50 percent of teen mothers receive a high school diploma by age 22 compared to 90 percent of women who did not give birth during adolescence [2]. The children of teenage mothers are more likely to have lower school achievement and to drop out of high school, have more health problems, be incarcerated at some time during adolescence, give birth as a teenager, and face unemployment as a young adult [3]. These effects remain for teenage mothers and their children even after adjusting for factors that can increase a teenager's risk of pregnancy, such as growing up in poverty, having parents with low levels of education, growing up in a single-parent family, and having low attachment to and performance in school [4].

The CDC has declared teen pregnancy as one of its ten winnable battles in public health [5]. The nation's Healthy People 2020 objective is to reduce pregnancies among adolescent females aged 15-17 to 36.2 pregnancies per 1,000 female age-group population and females aged 18-19 to 105.9 per 1,000 female age-group population [6].

KDHE is active in a number of areas to reduce teen and adolescent pregnancies, including the Teen Pregnancy Targeted Case Management (TPTCM) Program and the Kansas Abstinence Education Program. The TPTCM program provides comprehensive case management services to pregnant or parenting adolescents in Kansas communities. Program goals are to 1) reduce negative consequences of teenage pregnancy for Medicaid/KanCare-enrolled teens and their children, 2) increase levels of self-sufficiency and goal-directness of participants, and 3) delay subsequent childbearing until completion of basic education or vocational training goals or until age 21. The Kansas Abstinence Education Program addresses teen pregnancy prevention by training child welfare agencies to provide education and training for foster, kinship, and adoptive parents as well as at-risk youth, ages 10-19, in out of home placements [7]. The training utilizes abstinence-based, evidence-informed curricula regarding healthy relationships, decision-making and youth development. KDHE, through its Bureau of Family Health, has set a goal to "reduce teenage pregnancy and resulting health, educational, economic and social consequences for mother and child" [8].

Methods

The BEPHI Office of Vital Statistics receives reports of live births, stillbirths, and abortions that occur in Kansas. Reporting of Kansas vital events to 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. Records of births to Kansas residents that occur in other states are received via Inter-Jurisdictional Exchange. All statistics reported are based on pregnancies among women who were Kansas residents at the time of birth or termination of pregnancy.

KDHE collects birth certificate information consistent with the 2003 U.S. Standard Certificates. Data collected since 2005 are based on the standard certificates as modified for use in Kansas. BEPHI uses an 18 month reporting period when creating an analytical file. Thus all births that occur in a given year, reported during that year or the

first six months of the year following, are included in the analytical file. Data used in this report are for 2016. The analytical file is considered 99.99 percent complete.

All vital event records undergo quality improvement processes. The Office of Vital Statistics staff manually review certificate information submitted electronically or on paper forms for missing or illogical information. In addition, the Vital Statistics Data Analysis staff performs computerized checks of the data on an ongoing basis and once prior to closing the analytical file. Corrections or imputation occurs to geographic information, sex of the child, and mother's age. See the technical notes for the *Kansas Annual Summary of Vital Statistics, 2016* for more information [9].

Statistical tabulations were created using SAS statistical software 9.3. Some of the tables contained in this report are also included in the *Kansas Annual Summary of Vital Statistics, 2016*. This is done to enhance the utility of this report to readers. In this report, the reader will also see a number of different combinations of age groups, i.e., 10-14, 10-17, 15-17, 18-19, and 10-19, used in the tabulations. This is done to provide the diverse audience of legislators, policy makers, media, program administrators, and the public who closely monitor pregnancy issues with a data summary that meets their needs. Findings tested for statistical significance will be noted in the Results and Discussion sections. Probabilities (p values) less than 0.05 are reported as statistically significant.

For the purposes of this report "adolescent and teen" refers to persons who range in age from 10 to 19. Pregnancies are defined as stillbirths, abortions, and live births. Readers will be able to review both the frequency of adolescent and teen pregnancies and the population-based rates. Using the population-based rates, comparisons among counties or between county and state are possible. Multi-year rates are prepared for those instances where low counts may inordinately influence a single-year rate. All rates use as the denominator the female population estimates for the age group represented in the numerator. All statistics are based on residence data unless otherwise noted.

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 is subtracted from the denominator when calculating rates and percentages.

Adolescent and teen pregnancies and births in most Kansas counties are relatively low-frequency events. In such instances, small numerical changes may have a large impact on annual rates. The use of multi-year rates attempts to mitigate the effect of small frequencies. This report uses significance testing to determine whether a county's multi-year teen pregnancy rate is statistically significantly different than the state's rate for the same time period.

The Adequacy of Prenatal Care Utilization (APNCU) Index (or Kotelchuck Index) attempts to characterize prenatal care (PNC) utilization based on two independent and distinct dimensions: adequacy of initiation of PNC and the number of prenatal care visits received once care has begun. However, the index does not assess the quality of prenatal care delivered. The APNCU, through the categories of inadequate, intermediate, adequate, and adequate plus, characterize the adequacy of pregnancy-related health services provided to a woman between conception and delivery [10].

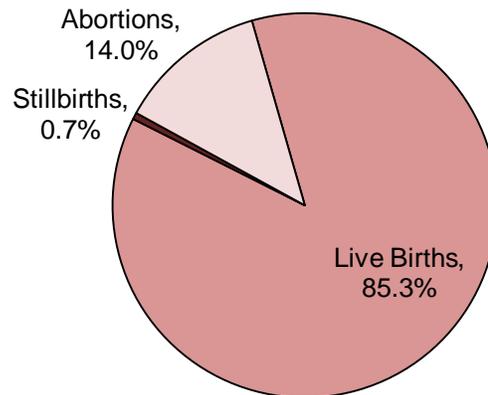
Results and Discussion

Only selected findings are discussed in this section. Additional detailed tables and figures are provided to support evaluation by county or other characteristics.

Females aged 10-19 accounted for 6.0 percent (2,518) of the 41,742 pregnancies in 2016. Of those pregnancies, 85.3 percent (2,148), resulted in a live birth, 14.0 percent (353) in abortion, and the remainder in stillbirths (17) (Figure A, Table 1).

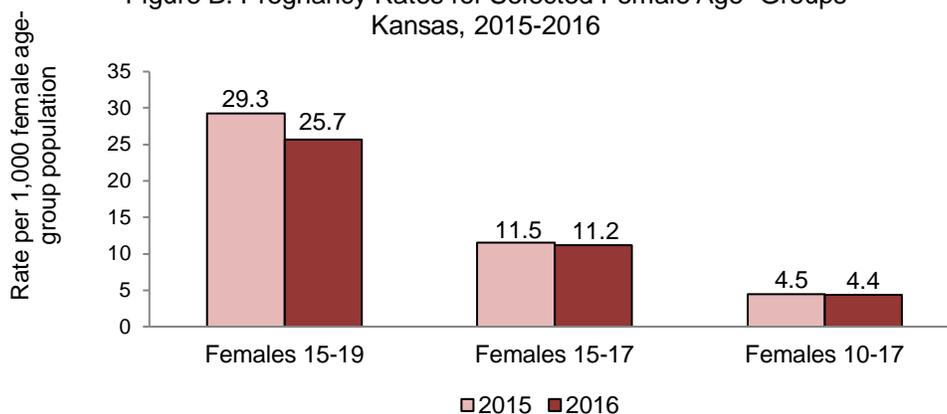
The pregnancy rate for females aged 10-19 was 12.9 per 1,000 female age-group population in 2016, down 12.8 percent from 2015 (14.8) (Table 2).

Figure A. Pregnancy Outcomes among Females Aged 10-19 Years
Kansas, 2016 (n=2,518)



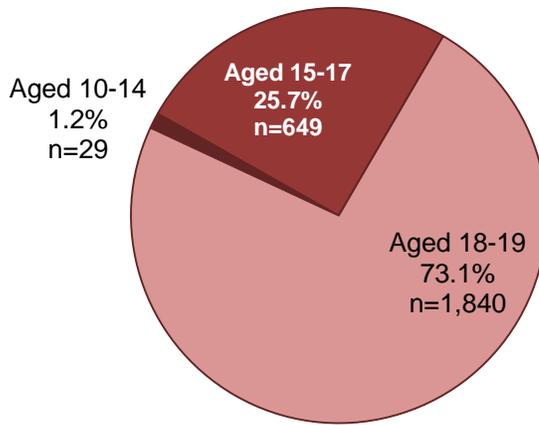
From 2015 to 2016 the pregnancy rate for females aged 10-17 went from 4.5 per 1,000 female age-group population to 4.4, a 2.2 percent decrease. The 2016 rate for females aged 15-19, 25.7 per 1,000, dropped 12.3 percent from the 2015 rate of 29.3 per 1,000. The rate for females aged 15-17 decreased 2.6 percent from 2015 to 2016 from 11.5 to 11.2 per 1,000 female age-group population. (Figure B, Table 2).

Figure B. Pregnancy Rates for Selected Female Age- Groups
Kansas, 2015-2016



About three out of four (73.1%) pregnant adolescents and teens were 18-19 years of age, 25.7 percent were 15-17 years of age, and 1.2 percent were 10-14 years of age (Table 2, Figure C).

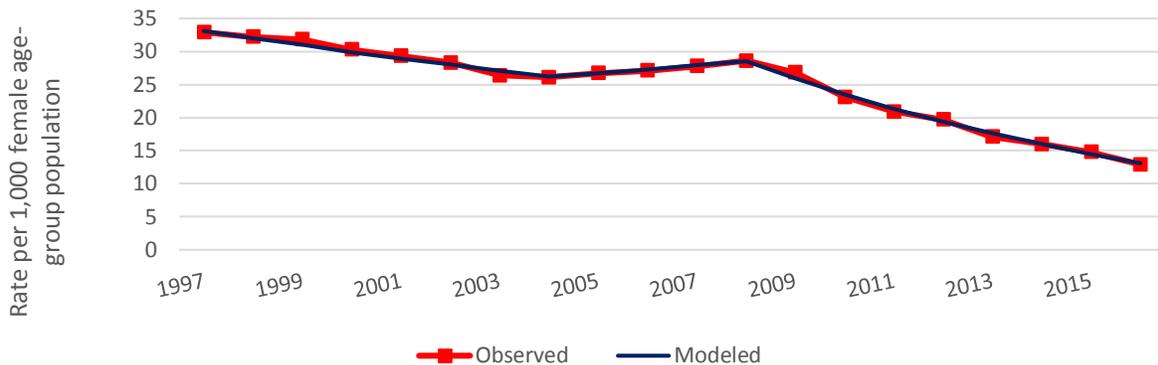
Figure C. Percentage of Adolescent and Teen Pregnancies by Female Age-Group, Kansas, 2016 (n=2,518)



Trends 1997-2016

Overall, the single year rate of adolescent and teenage pregnancies (aged 10-19) decreased from 1997 to 2016. Trends were assessed for significance using Joinpoint regression analysis over the past 20 years. From 1997 to 2004, the annual percentage change (APC) in adolescent and teen pregnancy rates declined significantly (APC = -3.5%; 95%CI: -4.4, -2.7%), while the annual percentage change from 2004 through 2008 was not statistically significant. However, there was a significant declining trend from 2008 through 2016 (APC = -9.3%; 95%CI: -10.0%, -8.7%). (Figure D).

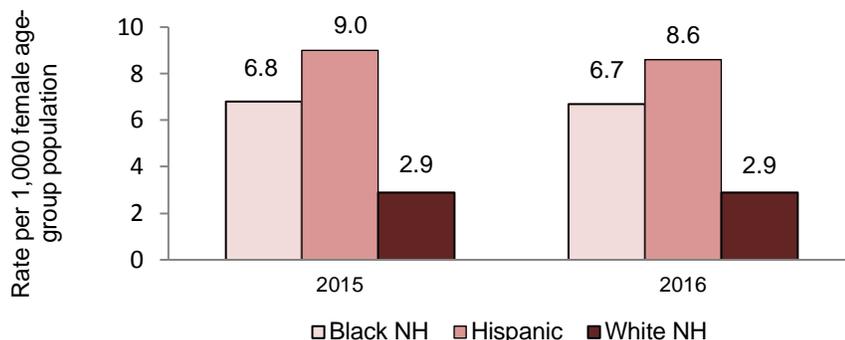
Figure D. Trend in Pregnancy Rates among Females Aged 10-19 Years Kansas, 1997-2016



Kansas teenage pregnancy rates for females 15-19 years of age decreased 60.3 percent between 1997 and 2016. Teen pregnancy rates for females aged 10-17 decreased 71.2 percent during this same time period (Table 2, Figure 1).

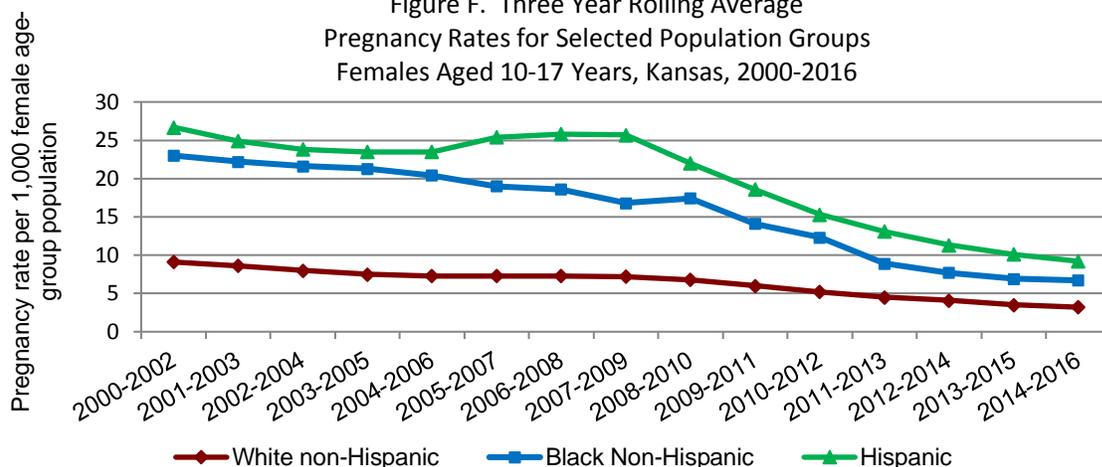
Among selected population groups, the pregnancy rate among females ages 10-17 years decreased slightly in Black non-Hispanics and Hispanics, while rates for White non-Hispanics remained the same (Figure E, Table 3).

Figure E. Pregnancy Rates among Females Aged 10-17 Years by Selected Population Groups, Kansas, 2015-2016



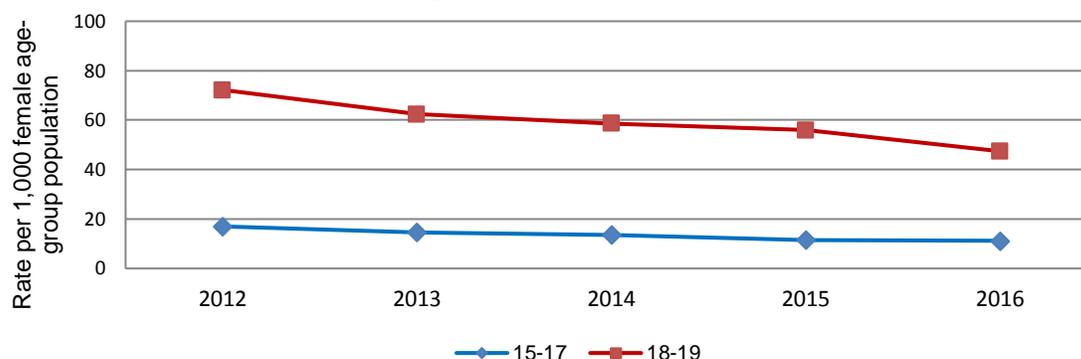
Trends of three year rolling averages from 2000 through 2016 show overall declining trends in pregnancy rates among Black and White non-Hispanic and Hispanic adolescents and teens 10-17 years of age, (Figure F).

Figure F. Three Year Rolling Average Pregnancy Rates for Selected Population Groups Females Aged 10-17 Years, Kansas, 2000-2016



In 2016, pregnancy rates among females 15-17 years of age, (11.2 per 1,000 female age-group population) and females aged 18-19 (47.4 per 1,000 female age-group population) were the lowest rates in five years for both age groups, with a steady decline from 2012-2016. Both rates compare favorably with the Healthy People 2020 national targets of 36.2 pregnancies per 1,000 female age-group population among females aged 15-17 years and 72.2 per 1,000 female age-group population among females aged 18-19 years (Table 2, Figure G).

Figure G. Pregnancy Rates among Selected Female Age-Groups, Kansas, 2012-2016



Geographic Detail

Five-year (2012-2016) county pregnancy rates for females aged 15-19 were compared to the state rate and tested for statistically significant differences. Rates for 18 counties were significantly higher than the state rate, and rates for 16 counties were significantly lower than the state rate. Rates for 52 counties were not statistically different from the state rate, while the number of pregnancies among adolescents and teens in 19 counties was too small (under 20 pregnancies) for reliable rate comparisons (Figure 4).

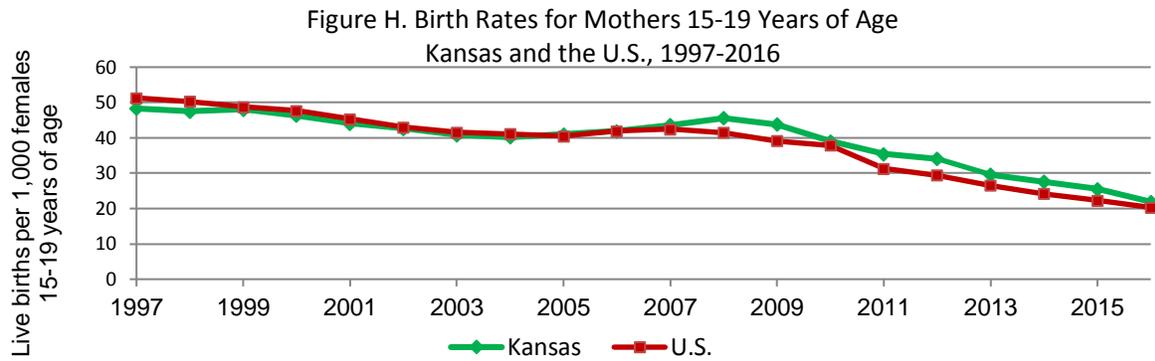
Five-year pregnancy rates for females aged 15-19 ranged from a low of 4.2 per 1,000 female age-group population in Wallace County to a high of 75.5 per 1,000 female age-group population in Geary County (Table 4). These rates were compared to the five-year state rate of 31.9 per 1,000 female age-group population. The number of teen pregnancies in Wallace County, however, was too few for the rate to be considered reliable. Therefore, Douglas County had the lowest reliable rate of 13.6 per 1,000 female age-group population and was significantly lower than the state rate, while the Geary county rate was significantly higher than the state rate.

In 2016, densely-settled rural counties had the highest pregnancy rates for 10-19 year old females (15.4 per 1,000 female age-group population), followed by semi-urban (13.1), urban (12.4), rural (12.0) and frontier (11.4) counties (Table 1).

The five-year (2012-2016) teen pregnancy rate for Kansas resident females 10-19 years of age was 16.1 per 1,000 female age-group population. The lowest five-year rate in the state was in Wallace County with 1.8 pregnancies per 1,000 females 10-19 years of age. The highest rate was in Geary County with 33.9 pregnancies per 1,000 females 10-19 years of age (Table 5).

Birth Rates

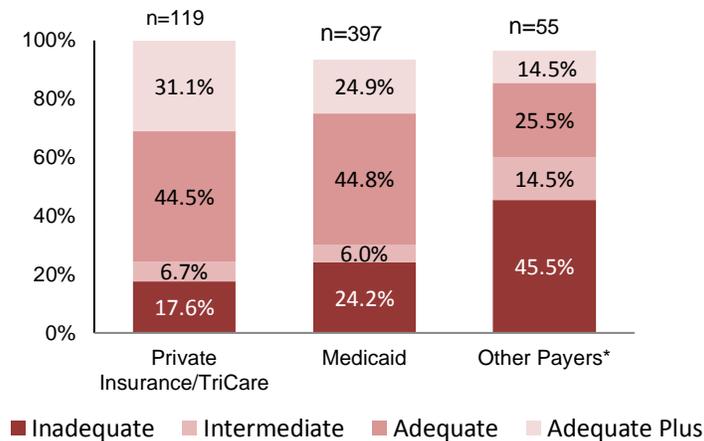
In 2016, the birth rate for Kansas mothers aged 15-19 (21.9 per 1,000 female age-group population) dropped by 14.1 percent from 2015 (25.5). During the 20-year period from 1997 to 2016, birth rates for Kansas mothers 15-19 years of age decreased by 54.7 percent (Figure H). For eight years (1997-2004), the Kansas rate was lower than the U.S. rate for births to teens aged 15-19. Since 2005, the U.S. rate has dropped faster than the Kansas rate. In 2016, the Kansas birth rate was higher than the preliminary U.S. birth rate by 1.6 percentage points [11].



Adequacy of Prenatal Care

Adequacy of prenatal care was examined for adolescents/teens aged 10-17 years by primary payer. No significant differences were found in less than adequate prenatal care (intermediate + inadequate) between private insurance/Tricare (24.4%, 95% CI: 15.6-36.3) and Medicaid (30.2%, 95% CI: 25.7-34.7) payers. However, both private/Tricare and Medicaid had significantly lower percentages of births where prenatal care was less than adequate than other payers (60.0%, 95% CI: 37.1-91.7) (Figure I). Of the 573 live births to Kansas mothers aged 10-17, two were excluded because the adequacy of prenatal care index could not be calculated (Figure I).

Figure I. Adequacy of Prenatal Care by Selected Payers among Adolescents Aged 10-17 Years who had Live Births, Kansas, 2016



*Other payers include other government, self-pay, Indian Health Services, other payer and unknown payer.

Conclusions

Pregnancy rates continued to decline among Kansas females aged 10-19 in 2015. Declines were seen in selected age groups 10-17, 15-17, 15-19 and 18-19, with rates comparing favorably with the Healthy People 2020 national targets of 36.2 and 105.9 per 1,000 female age-group populations for aged 15-17 and 18-19, respectively [6] (Table 1).

Birth rates among Hispanic adolescents and teens aged 10-17 years decreased from 2015 to 2016. While Black non-Hispanic adolescent birth rates increased slightly in 2016 from 2015 and White non-Hispanic birth rates remained unchanged. Both Hispanic and Black non-Hispanic teen population groups remained higher than White non-Hispanic birth rates (Table 3). Among older teens, aged 18-19 years, White non-Hispanic, Black non-Hispanic and Hispanic birth rates and pregnancy rates declined (Table 7).

Pregnant women who receive inadequate prenatal care are at increased risk of bearing infants who have low birth weight, are stillborn, or die within the first year of life [12]. Inadequate prenatal care is strongly associated with preterm birth among adolescents [13]. However, disparities were found among 10-17 year olds receiving less than adequate prenatal care. A higher percentage mothers receiving less than adequate prenatal care was found when payers were those other than private insurance/Tricare or Medicaid. No disparity was found in receiving less than adequate care when primary payers were private/Tricare or Medicaid (Figure I).

Limitations

This report's findings are subject to at least one limitation. An important concern is the issue of receiving vital events from other states within the KDHE reporting deadline. Vital statistics are gathered on an occurrence basis but are traditionally reported on a residence basis. For complete residence statistics, reports must be received from other states for events occurring to Kansas residents. These events are reported for a full calendar year. Because of delays or other late reporting, some vital event reports have not been received by KDHE by the cutoff date of June 30 of the year following the event year. Past evaluations indicate that over 99 percent of all vital events to Kansas residents are received before the cutoff date.

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Detailed Tables and Figures

Table 1. Pregnancy* Numbers and Rates† by County of Residence and Peer Group by Component and Age-Group Females Aged 10-19 Years, Kansas, 2016

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group			Age-Group
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Allen	1	12	0	0	0	2	1	14	15	17.7
Anderson	0	8	0	0	0	0	0	8	8	15.7
Atchison	0	17	0	0	0	1	0	18	18	14.3
Barber	0	3	0	0	0	0	0	3	3	12.1
Barton	1	24	0	0	0	1	1	25	26	14.9
Bourbon	0	20	0	0	0	2	0	22	22	22.3
Brown	0	6	0	0	0	0	0	6	6	9.7
Butler	0	36	0	0	0	4	0	40	40	7.9
Chase	0	2	0	0	0	0	0	2	2	11.6
Chautauqua	0	3	0	0	1	0	1	3	4	20.6
Cherokee	0	20	0	0	0	1	0	21	21	15.7
Cheyenne	0	4	0	0	0	0	0	4	4	27.2
Clark	0	2	0	0	0	0	0	2	2	12.4
Clay	0	4	0	0	0	1	0	5	5	10.1
Cloud	0	4	0	0	0	0	0	4	4	7.0
Coffey	0	5	0	0	0	0	0	5	5	9.6
Comanche	0	0	0	0	0	0	0	0	0	0.0
Cowley	0	32	0	0	0	7	0	39	39	15.9
Crawford	1	33	0	0	0	2	1	35	36	13.6
Decatur	0	0	0	0	0	1	0	1	1	6.8
Dickinson	0	14	0	0	0	0	0	14	14	11.4
Doniphan	0	5	0	0	0	0	0	5	5	9.4
Douglas	0	33	0	0	0	25	0	58	58	6.9
Edwards	0	2	0	0	0	1	0	3	3	14.6
Elk	0	2	0	0	0	0	0	2	2	14.7
Ellis	0	7	0	0	0	3	0	10	10	5.4
Ellsworth	0	2	0	0	0	0	0	2	2	7.0
Finney	0	58	0	1	0	4	0	63	63	21.6
Ford	0	45	0	0	0	5	0	50	50	20.2
Franklin	0	19	0	0	0	2	0	21	21	12.0
Geary	1	52	0	3	0	10	1	65	66	33.0
Gove	0	2	0	0	0	0	0	2	2	13.3
Graham	0	0	0	0	0	1	0	1	1	7.5
Grant	0	8	0	0	0	2	0	10	10	16.0
Gray	0	2	0	0	0	1	0	3	3	6.1
Greeley	0	1	0	0	0	1	0	2	2	22.5
Greenwood	0	4	0	0	0	0	0	4	4	11.1
Hamilton	0	2	0	0	0	0	0	2	2	10.9
Harper	0	2	0	0	0	1	0	3	3	9.2
Harvey	0	30	0	0	1	5	1	35	36	14.8
Haskell	0	3	0	0	0	1	0	4	4	12.7
Hodgeman	0	1	0	0	0	0	0	1	1	7.8
Jackson	0	8	0	0	0	1	0	9	9	9.8
Jefferson	0	13	0	0	0	0	0	13	13	10.7
Jewell	0	1	0	0	0	0	0	1	1	7.7
Johnson	0	143	0	1	2	63	2	207	209	5.4
Kearny	0	3	0	0	0	0	0	3	3	10.5
Kingman	0	4	0	0	0	0	0	4	4	8.1
Kiowa	0	2	0	0	0	0	0	2	2	10.8
Labette	0	25	0	0	0	0	0	25	25	20.3
Lane	0	1	0	0	0	1	0	2	2	19.0
Leavenworth	0	55	0	0	0	11	0	66	66	13.3
Lincoln	0	1	0	0	0	0	0	1	1	4.9
Linn	0	9	0	0	0	0	0	9	9	14.1
Logan	0	2	0	0	0	0	0	2	2	12.3

Table 1. Pregnancy* Numbers and Rates† by County of Residence
and Peer Group by Component and Age-Group
Females Aged 10-19 Years, Kansas, 2016

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group			Age-Group
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Lyon	1	32	0	2	1	3	2	37	39	16.0
McPherson	0	16	0	0	0	4	0	20	20	10.6
Marion	0	7	0	0	0	0	0	7	7	8.8
Marshall	0	7	0	0	0	0	0	7	7	11.5
Meade	0	6	0	0	0	0	0	6	6	20.8
Miami	0	19	0	0	0	5	0	24	24	10.3
Mitchell	0	7	0	0	0	1	0	8	8	20.8
Montgomery	0	29	0	0	0	3	0	32	32	15.3
Morris	0	1	0	0	0	2	0	3	3	9.8
Morton	0	3	0	0	0	0	0	3	3	14.7
Nemaha	0	4	0	0	0	0	0	4	4	5.9
Neosho	0	16	0	0	0	1	0	17	17	15.9
Ness	0	5	0	0	0	0	0	5	5	28.2
Norton	0	3	0	0	0	0	0	3	3	10.5
Osage	0	13	0	0	0	0	0	13	13	12.6
Osborne	0	1	0	0	0	0	0	1	1	5.5
Ottawa	0	3	0	0	0	2	0	5	5	14.8
Pawnee	0	3	0	0	0	0	0	3	3	10.4
Phillips	0	3	0	0	0	0	0	3	3	8.6
Pottawatomie	0	15	0	0	0	0	0	15	15	8.5
Pratt	0	9	0	0	0	0	0	9	9	14.8
Rawlins	0	1	0	1	0	0	0	2	2	16.0
Reno	2	45	0	1	0	3	2	49	51	12.4
Republic	1	2	0	0	0	1	1	3	4	15.7
Rice	0	11	0	0	0	2	0	13	13	19.0
Riley	0	33	0	0	0	17	0	50	50	10.1
Rooks	0	1	0	0	0	0	0	1	1	3.1
Rush	0	1	0	0	0	0	0	1	1	6.4
Russell	0	4	0	0	0	0	0	4	4	11.0
Saline	1	43	0	0	0	4	1	47	48	13.9
Scott	0	4	0	0	0	0	0	4	4	11.8
Sedgwick	5	494	0	4	0	75	5	573	578	16.6
Seward	0	41	0	0	0	2	0	43	43	24.0
Shawnee	3	153	0	0	0	16	3	169	172	14.9
Sheridan	0	2	0	0	0	0	0	2	2	12.0
Sherman	0	1	0	0	0	0	0	1	1	2.7
Smith	0	1	0	0	0	0	0	1	1	4.8
Stafford	0	5	0	0	0	0	0	5	5	20.8
Stanton	0	0	0	0	0	0	0	0	0	0.0
Stevens	0	4	0	0	0	0	0	4	4	9.1
Sumner	0	16	0	0	0	2	0	18	18	11.6
Thomas	0	10	0	0	0	1	0	11	11	19.0
Trego	0	3	0	0	0	0	0	3	3	21.0
Wabaunsee	1	3	0	0	0	0	1	3	4	9.1
Wallace	0	0	0	0	0	0	0	0	0	0.0
Washington	0	3	0	0	0	0	0	3	3	8.6
Wichita	0	1	0	0	0	0	0	1	1	6.7
Wilson	0	11	0	0	0	1	0	12	12	21.4
Woodson	0	5	0	0	0	0	0	5	5	24.6
Wyandotte	4	230	0	4	2	40	6	274	280	24.8
n.s.	0	0	0	0	0	1	0	1	1	n/a
Kansas	22	2,126	0	17	7	346	29	2,489	2,518	12.9
Peer Group										
Frontier	0	69	0	1	1	5	1	75	76	11.4
Rural	2	170	0	0	0	20	2	190	192	12.0
Densely -Settled Rural	3	440	0	3	1	35	4	478	482	15.4
Semi-Urban	5	339	0	4	1	55	6	398	404	13.1
Urban	12	1,108	0	9	4	230	16	1,347	1,363	12.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/25/2017

Table 2
Pregnancy* Numbers and Rates† by Year by Age-Group
Females Aged 10-19 Years
Kansas, 1997-2016

Year	Teen (10-19) Pregnancies	Age-Group					Teen (10-19) Pregnancy Rate	Pregnancy Rate				
		10-14	15-17	18-19	10-17	15-19		10-14	15-17	18-19	10-17	15-19
1997	6,469	123	2,260	4,086	2,383	6,346	33.3	1.3	37.4	110.4	15.3	64.7
1998	6,444	108	2,087	4,249	2,195	6,336	32.4	1.1	34.1	107.6	13.8	62.0
1999	6,402	103	1,979	4,320	2,082	6,299	31.9	1.1	32.4	106.3	13.1	60.7
2000	6,090	94	1,819	4,177	1,913	5,996	30.3	0.9	30.1	105.0	12.0	58.7
2001	5,818	79	1,819	3,920	1,898	5,739	28.8	0.8	30.2	101.4	11.9	56.0
2002	5,586	86	1,684	3,816	1,770	5,500	28.3	0.9	28.3	96.0	11.3	54.7
2003	5,174	73	1,559	3,542	1,632	5,101	26.4	0.8	26.6	92.9	10.5	51.3
2004	5,026	71	1,492	3,463	1,563	4,955	26.1	0.8	25.8	86.8	10.3	50.3
2005	5,044	69	1,483	3,492	1,552	4,975	26.7	0.8	25.7	85.1	10.4	50.8
2006	5,192	85	1,507	3,600	1,592	5,107	27.1	0.9	25.5	87.1	10.4	52.2
2007	5,268	70	1,573	3,625	1,643	5,198	27.8	0.8	26.8	93.1	10.9	53.2
2008	5,371	66	1,552	3,753	1,618	5,305	28.6	0.7	27.1	95.7	10.9	55.0
2009	5,036	56	1,417	3,563	1,473	4,980	26.8	0.6	25.2	88.5	10.0	51.6
2010	4,501	59	1,298	3,144	1,357	4,442	23.1	0.6	22.4	77.6	8.8	45.1
2011	4,095	70	1,063	2,962	1,133	4,025	20.9	0.7	18.4	72.2	7.3	40.8
2012	3,823	42	973	2,808	1,015	3,781	19.7	0.4	17.0	70.8	6.6	39.0
2013	3,335	41	841	2,453	882	3,294	17.1	0.4	14.6	62.4	5.7	34.0
2014	3,118	35	783	2,300	818	3,083	16.0	0.4	13.6	58.6	5.3	33.2
2015	2,872	22	673	2,177	695	2,850	14.8	0.2	11.5	55.9	4.5	29.3
2016	2,518	29	649	1,840	678	2,489	12.9	0.3	11.2	47.4	4.4	25.7

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Created: 8/25/2017

Table 3
Pregnancy* Numbers and Rate† and Birth Rates by Year
by Selected Population Groups
Females Aged 10-17 Years, Kansas, 1997-2016

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1997	1,575	406	327	11.9	36.6	29.4	8.1	28.0	26.5
1998	1,462	319	325	11.1	28.2	27.5	7.4	22.1	23.6
1999	1,314	337	352	10.0	29.2	28.0	6.9	22.7	25.5
2000	1,184	293	385	9.3	24.9	29.1	6.5	19.6	25.4
2001	1,202	269	364	9.5	22.4	26.2	6.5	17.3	24.1
2002	1,078	267	364	8.7	21.8	24.9	5.9	16.2	23.6
2003	944	277	358	7.7	22.4	23.6	5.4	15.9	21.4
2004	901	248	351	7.5	20.7	22.9	5.7	15.7	20.7
2005	836	249	380	7.2	20.9	24.0	5.2	15.4	21.2
2006	866	236	408	7.3	19.5	23.6	5.2	14.0	20.9
2007	840	205	504	7.3	16.6	28.5	5.4	13.6	25.7
2008	842	239	460	7.4	19.6	25.4	5.6	15.2	23.3
2009	776	175	437	6.9	14.3	23.3	5.3	10.6	21.8
2010	661	185	416	6.0	18.4	18.2	4.9	14.2	17.1
2011	563	131	363	5.0	10.4	15.3	4.1	8.1	13.8
2012	524	117	310	4.7	9.4	12.7	3.9	7.2	12.0
2013	433	89	293	3.9	7.1	11.5	3.2	6.2	10.7
2014	416	84	257	3.8	6.7	9.9	3.1	5.6	9.3
2015	317	87	241	2.9	6.8	9.0	2.4	5.5	8.2
2016	317	85	236	2.9	6.7	8.6	2.4	5.9	7.7

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population within population group.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/25/2017

Table 4. Pregnancy* Rates[†] by County of Residence by Year
 Females Aged 10-14 and 15-19 Years, Kansas, 2012-2016

County of Residence	Year											
	2012		2013		2014		2015		2016		5-year Rate	
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
Allen	0.0	42.8	0.0	25.0	0.0	23.0	0.0	40.1	2.4	32.8	0.5	32.8
Anderson	0.0	16.7	0.0	29.2	0.0	32.9	0.0	21.9	0.0	35.6	0.0	27.2
Atchison	0.0	27.8	0.0	32.1	0.0	30.4	0.0	19.6	0.0	24.4	0.0	26.9
Barber	0.0	69.9	0.0	29.0	0.0	64.5	0.0	31.7	0.0	26.5	0.0	45.0
Barton	1.1	44.6	0.0	34.8	0.0	42.3	0.0	36.2	1.1	28.6	0.5	37.4
Bourbon	0.0	67.3	2.1	47.0	0.0	66.4	0.0	41.4	0.0	46.5	0.4	53.8
Brown	0.0	43.0	0.0	40.1	0.0	47.8	0.0	39.3	0.0	22.3	0.0	38.8
Butler	0.0	30.6	0.8	22.1	0.0	24.3	0.0	21.1	0.0	15.8	0.2	22.7
Chase	0.0	13.5	0.0	12.0	0.0	11.8	0.0	10.9	0.0	22.2	0.0	14.2
Chautauqua	0.0	36.4	0.0	61.2	0.0	0.0	0.0	34.1	9.7	33.0	2.0	33.5
Cherokee	1.3	45.4	0.0	40.6	0.0	60.3	0.0	39.8	0.0	32.6	0.3	43.9
Cheyenne	0.0	16.4	14.1	52.6	0.0	15.4	0.0	73.5	0.0	58.0	2.7	43.8
Clark	0.0	41.1	0.0	28.6	0.0	0.0	0.0	27.0	0.0	25.6	0.0	24.0
Clay	0.0	28.7	0.0	31.9	0.0	32.5	0.0	29.0	0.0	21.8	0.0	28.9
Cloud	0.0	28.7	0.0	36.4	0.0	41.5	0.0	31.2	0.0	13.2	0.0	30.5
Coffey	0.0	21.3	0.0	13.4	0.0	28.3	0.0	18.6	0.0	19.6	0.0	20.2
Comanche	0.0	0.0	0.0	28.2	0.0	14.3	0.0	0.0	0.0	0.0	0.0	9.0
Cowley	0.0	48.9	0.0	41.2	0.0	38.9	0.0	31.1	0.0	30.0	0.0	38.1
Crawford	0.8	29.7	0.0	33.8	0.9	39.9	0.0	30.5	0.9	22.8	0.5	31.3
Decatur	0.0	15.6	0.0	83.3	0.0	65.8	0.0	13.5	0.0	14.1	0.0	39.2
Dickinson	1.5	37.1	0.0	20.3	0.0	29.9	0.0	28.6	0.0	24.0	0.3	28.1
Doniphan	8.7	37.0	0.0	30.5	0.0	12.4	0.0	0.0	0.0	16.8	1.8	19.4
Douglas	0.7	17.8	0.7	13.9	0.3	12.2	0.3	13.7	0.0	10.6	0.4	13.6
Edwards	0.0	42.1	0.0	10.9	0.0	30.3	0.0	10.4	0.0	30.3	0.0	24.9
Elk	0.0	25.6	0.0	37.5	0.0	40.5	0.0	14.7	0.0	30.8	0.0	30.1
Ellis	1.4	25.0	0.0	29.3	1.3	30.8	0.0	16.6	0.0	9.8	0.5	22.3
Ellsworth	0.0	19.7	7.4	13.5	0.0	14.8	0.0	15.2	0.0	14.3	1.4	15.6
Finney	0.6	68.8	0.0	56.1	0.0	52.9	0.7	53.7	0.0	42.5	0.3	54.8
Ford	0.0	71.0	0.7	56.0	0.0	61.3	0.0	65.3	0.0	41.6	0.2	59.1
Franklin	0.0	42.9	0.0	37.1	1.1	32.4	0.0	32.5	0.0	24.4	0.2	33.8
Geary	0.0	88.3	2.5	69.2	0.0	72.6	0.8	74.2	0.9	72.9	0.8	75.5
Gove	0.0	11.8	0.0	0.0	0.0	12.3	0.0	25.0	0.0	28.6	0.0	14.9
Graham	0.0	40.5	0.0	54.8	0.0	57.1	0.0	14.7	0.0	16.1	0.0	37.5
Grant	0.0	57.8	0.0	60.0	3.0	47.2	0.0	41.4	0.0	31.7	0.6	47.2
Gray	0.0	30.3	0.0	29.3	0.0	23.5	0.0	8.3	0.0	13.5	0.0	21.0
Greeley	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.5	0.0	55.6	0.0	22.1
Greenwood	0.0	68.2	0.0	45.7	0.0	58.1	0.0	34.3	0.0	24.1	0.0	46.3
Hamilton	0.0	85.7	0.0	71.4	0.0	24.7	0.0	35.3	0.0	20.4	0.0	44.6
Harper	0.0	31.6	0.0	38.3	0.0	38.9	0.0	38.7	0.0	21.3	0.0	34.2
Harvey	0.0	41.1	0.0	37.5	0.0	25.2	0.8	18.9	0.8	28.4	0.3	30.2
Haskell	0.0	77.8	0.0	45.5	0.0	42.4	0.0	41.7	0.0	26.5	0.0	47.6
Hodgeman	0.0	0.0	0.0	15.6	0.0	0.0	0.0	33.3	0.0	15.2	0.0	12.8
Jackson	0.0	19.9	0.0	32.3	0.0	33.9	0.0	34.6	0.0	19.6	0.0	27.9
Jefferson	0.0	30.4	0.0	13.3	0.0	13.4	0.0	31.0	0.0	21.6	0.0	22.1
Jewell	0.0	61.0	0.0	48.2	0.0	38.0	0.0	23.3	0.0	14.5	0.0	37.6
Johnson	0.1	20.5	0.2	16.2	0.2	16.6	0.0	14.3	0.1	11.3	0.1	15.7
Kearny	0.0	35.0	0.0	36.0	0.0	37.0	0.0	53.3	0.0	22.9	0.0	37.2
Kingman	0.0	22.3	0.0	35.2	0.0	12.2	0.0	23.4	0.0	15.8	0.0	21.9
Kiowa	0.0	28.6	0.0	9.4	0.0	28.6	0.0	9.3	0.0	19.0	0.0	18.9
Labette	0.0	42.8	1.5	42.0	0.0	38.6	0.0	36.8	0.0	43.3	0.3	40.7
Lane	0.0	0.0	0.0	14.7	0.0	16.1	0.0	0.0	0.0	39.2	0.0	13.8
Leavenworth	0.4	41.4	0.4	35.1	0.0	27.5	0.8	28.5	0.0	28.4	0.3	32.1
Lincoln	0.0	35.3	0.0	11.6	0.0	0.0	0.0	23.3	0.0	10.0	0.0	15.6
Linn	0.0	51.9	0.0	35.1	0.0	35.0	0.0	67.3	0.0	31.3	0.0	43.9
Logan	0.0	25.6	0.0	29.0	0.0	30.3	0.0	27.0	0.0	31.3	0.0	28.5

Table 4. Pregnancy* Rates[†] by County of Residence by Year
 Females Aged 10-14 and 15-19 Years, Kansas, 2012-2016

County of Residence	Year											
	2012		2013		2014		2015		2016		5-year Rate	
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
Lyon	0.0	32.4	3.0	33.6	1.0	33.6	1.9	19.9	1.9	26.6	1.6	29.3
McPherson	1.0	31.3	0.0	19.5	0.0	27.3	0.0	22.6	0.0	21.1	0.2	24.3
Marion	0.0	18.8	0.0	12.4	0.0	18.6	0.0	12.2	0.0	17.3	0.0	15.9
Marshall	0.0	30.1	0.0	30.1	0.0	25.9	0.0	14.3	0.0	24.6	0.0	24.9
Meade	0.0	9.8	0.0	37.2	0.0	30.8	0.0	35.1	0.0	37.0	0.0	29.3
Miami	0.0	26.7	0.0	25.2	0.0	21.3	0.0	25.4	0.0	22.1	0.0	24.1
Mitchell	0.0	0.0	0.0	30.6	0.0	21.4	0.0	37.6	0.0	44.7	0.0	27.2
Montgomery	0.0	58.0	0.9	45.2	0.0	37.2	0.9	43.8	0.0	31.3	0.4	43.4
Morris	5.7	59.6	0.0	31.1	0.0	19.1	0.0	25.5	0.0	18.6	1.2	30.5
Morton	0.0	56.1	0.0	24.6	0.0	26.3	0.0	27.5	0.0	28.6	0.0	32.3
Nemaha	0.0	11.8	0.0	39.2	0.0	29.9	0.0	26.3	0.0	11.7	0.0	23.7
Neosho	0.0	62.8	0.0	30.5	0.0	38.2	0.0	41.3	0.0	31.7	0.0	41.1
Ness	0.0	33.3	0.0	11.2	0.0	54.9	0.0	46.0	0.0	54.9	0.0	40.2
Norton	0.0	14.3	0.0	49.0	0.0	45.1	0.0	33.1	0.0	23.4	0.0	33.1
Osage	0.0	32.1	0.0	24.0	0.0	29.1	0.0	23.6	0.0	27.0	0.0	27.2
Osborne	0.0	25.2	0.0	66.7	0.0	55.6	0.0	9.3	0.0	11.4	0.0	34.1
Ottawa	0.0	15.2	0.0	14.7	0.0	10.1	0.0	11.0	0.0	28.2	0.0	15.6
Pawnee	0.0	34.1	5.6	16.8	0.0	54.9	0.0	30.3	0.0	20.1	1.2	31.2
Phillips	0.0	37.4	0.0	11.6	10.2	22.9	0.0	27.5	0.0	15.3	2.2	23.0
Pottawatomie	0.0	18.3	0.0	12.7	0.0	17.3	0.0	13.6	0.0	18.2	0.0	16.0
Pratt	3.5	52.2	0.0	29.0	0.0	36.8	0.0	53.3	0.0	28.3	0.7	39.9
Rawlins	0.0	27.8	0.0	44.8	0.0	14.3	0.0	60.6	0.0	36.4	0.0	36.4
Reno	0.5	34.3	0.0	38.8	0.0	33.9	0.5	30.4	1.0	24.1	0.4	32.2
Republic	0.0	39.4	0.0	34.2	0.0	8.1	0.0	18.5	7.8	23.8	1.5	25.0
Rice	0.0	30.6	0.0	44.3	0.0	19.4	0.0	19.4	0.0	34.7	0.0	29.7
Riley	0.7	20.6	0.0	18.8	0.0	16.1	0.0	18.1	0.0	14.2	0.1	17.5
Rooks	0.0	32.9	5.9	13.7	0.0	13.8	0.0	27.2	0.0	7.0	1.1	19.1
Rush	0.0	38.0	0.0	12.7	0.0	13.0	0.0	12.5	0.0	13.3	0.0	17.9
Russell	0.0	44.6	0.0	35.7	0.0	21.2	0.0	23.0	0.0	23.4	0.0	30.0
Saline	0.6	44.4	0.0	45.6	0.0	33.7	0.6	33.6	0.6	28.0	0.3	37.1
Scott	0.0	53.0	0.0	41.4	0.0	39.0	0.0	12.1	0.0	22.9	0.0	32.4
Sedgwick	0.7	46.9	0.4	45.5	0.7	40.1	0.2	34.4	0.3	34.3	0.5	40.2
Seward	0.0	78.7	1.1	63.6	0.0	66.8	0.0	59.4	0.0	51.4	0.2	64.2
Shawnee	0.3	52.7	0.0	43.8	0.2	39.3	0.3	37.4	0.5	30.2	0.3	40.7
Sheridan	0.0	42.3	0.0	27.4	0.0	13.9	0.0	0.0	0.0	23.5	0.0	21.0
Sherman	0.0	80.7	0.0	44.9	5.5	48.1	6.2	33.0	0.0	5.6	2.1	41.7
Smith	0.0	18.3	0.0	18.2	0.0	0.0	0.0	21.3	0.0	10.0	0.0	13.5
Stafford	0.0	65.7	0.0	29.4	0.0	30.1	0.0	106.9	0.0	42.4	0.0	55.0
Stanton	0.0	66.7	0.0	31.3	0.0	46.2	0.0	40.5	0.0	0.0	0.0	35.8
Stevens	0.0	40.0	4.3	55.6	0.0	46.9	0.0	31.3	0.0	21.4	0.8	39.2
Sumner	1.2	48.5	0.0	33.4	0.0	17.1	0.0	38.0	0.0	24.5	0.2	32.4
Thomas	0.0	40.8	0.0	27.6	0.0	33.3	0.0	19.7	0.0	31.3	0.0	30.5
Trego	0.0	19.2	0.0	23.0	0.0	0.0	0.0	41.1	0.0	40.5	0.0	23.9
Wabaunsee	0.0	43.3	0.0	41.7	0.0	28.7	4.4	9.4	4.3	14.5	1.7	27.6
Wallace	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
Washington	0.0	5.7	0.0	5.6	0.0	0.0	0.0	6.3	0.0	17.9	0.0	7.0
Wichita	0.0	29.4	0.0	18.9	0.0	16.7	0.0	45.5	0.0	13.5	0.0	24.9
Wilson	0.0	60.4	0.0	27.8	3.2	27.7	0.0	17.9	0.0	44.3	0.7	35.2
Woodson	0.0	36.6	0.0	0.0	0.0	54.3	0.0	56.8	0.0	53.8	0.0	40.2
Wyandotte	1.1	73.6	1.4	65.9	1.2	61.4	0.7	60.8	1.0	52.7	1.1	62.9
Kansas	0.4	39.0	0.4	34.0	0.4	31.8	0.2	29.3	0.3	25.7	0.3	31.9

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rates per 1,000 female age-group population.

2012-2016 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/25/2017

Table 5. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-19 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Allen	23.0	13.0	11.5	20.4	17.7	17.1
Anderson	7.8	13.5	15.2	9.9	15.7	12.4
Atchison	17.1	19.6	18.0	11.9	14.3	16.2
Barber	37.0	14.4	30.7	15.6	12.1	22.1
Barton	23.5	17.8	21.5	18.5	14.9	19.3
Bourbon	33.9	24.8	33.0	20.2	22.3	26.8
Brown	20.9	19.3	21.7	17.3	9.7	17.8
Butler	14.9	11.2	12.1	10.6	7.9	11.3
Chase	5.9	5.7	5.5	5.6	11.6	6.8
Chautauqua	19.4	31.9	0.0	15.5	20.6	17.6
Cherokee	22.3	19.5	29.6	19.4	15.7	21.4
Cheyenne	7.8	31.3	7.1	34.5	27.2	21.8
Clark	19.4	13.4	0.0	13.2	12.4	11.5
Clay	13.5	16.0	16.2	14.2	10.1	14.0
Cloud	15.6	19.7	22.5	16.8	7.0	16.5
Coffey	10.5	6.9	14.0	9.0	9.6	10.0
Comanche	0.0	13.8	6.8	0.0	0.0	4.3
Cowley	25.7	22.0	20.5	16.7	15.9	20.2
Crawford	16.8	18.9	23.4	17.7	13.6	18.1
Decatur	7.0	37.5	31.1	6.3	6.8	18.2
Dickinson	18.7	9.5	14.2	13.7	11.4	13.5
Doniphan	25.2	18.2	7.3	0.0	9.4	12.1
Douglas	11.9	9.2	8.0	8.9	6.9	9.0
Edwards	20.0	5.0	14.3	5.0	14.6	11.8
Elk	13.5	19.6	19.5	6.7	14.7	14.9
Ellis	15.3	16.7	17.8	9.4	5.4	12.9
Ellsworth	10.1	10.6	7.4	7.0	7.0	8.4
Finney	33.2	28.3	27.1	27.7	21.6	27.7
Ford	34.3	27.4	29.5	32.0	20.2	28.7
Franklin	20.9	18.2	16.4	16.1	12.0	16.7
Geary	39.3	32.2	32.4	32.6	33.0	33.9
Gove	5.8	0.0	6.0	12.7	13.3	7.3
Graham	21.9	28.4	30.8	7.1	7.5	19.1
Grant	25.7	27.7	24.7	20.3	16.0	22.9
Gray	14.6	13.9	11.7	4.1	6.1	10.1
Greeley	0.0	0.0	0.0	22.2	22.5	10.1
Greenwood	31.6	21.8	27.5	16.9	11.1	21.9
Hamilton	34.9	30.9	10.8	17.1	10.9	20.5
Harper	16.5	20.7	20.6	19.0	9.2	17.3
Harvey	21.1	19.1	12.8	10.1	14.8	15.6
Haskell	38.3	23.6	21.5	21.0	12.7	23.8
Hodgeman	0.0	8.5	0.0	17.5	7.8	6.6
Jackson	9.7	15.4	16.4	16.7	9.8	13.6
Jefferson	14.9	6.4	6.4	15.5	10.7	10.8
Jewell	31.6	26.1	19.2	13.2	7.7	20.0
Johnson	9.7	7.7	7.9	6.8	5.4	7.5
Kearny	16.6	18.6	17.7	26.5	10.5	18.1
Kingman	11.3	17.4	6.1	12.3	8.1	11.1
Kiowa	16.9	5.6	16.8	5.0	10.8	10.8
Labette	20.5	20.8	19.2	18.1	20.3	19.8
Lane	0.0	7.9	8.5	0.0	19.0	7.0
Leavenworth	19.5	16.3	13.0	13.9	13.3	15.2
Lincoln	15.2	5.0	0.0	10.3	4.9	7.0
Linn	23.8	16.8	16.8	30.8	14.1	20.4
Logan	12.8	13.1	12.7	12.4	12.3	12.7

Table 5. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-19 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Lyon	19.0	20.8	19.6	12.1	16.0	17.5
McPherson	15.8	9.7	13.3	11.5	10.6	12.2
Marion	9.8	6.5	9.9	6.4	8.8	8.3
Marshall	13.5	13.7	11.8	6.7	11.5	11.4
Meade	5.4	19.8	16.4	18.0	20.8	15.8
Miami	12.9	11.8	10.1	11.8	10.3	11.4
Mitchell	0.0	15.6	10.6	18.0	20.8	13.2
Montgomery	30.7	23.5	18.5	21.9	15.3	22.0
Morris	30.8	15.6	9.4	12.5	9.8	15.7
Morton	26.4	12.2	12.8	13.1	14.7	15.8
Nemaha	5.5	18.3	14.4	12.9	5.9	11.4
Neosho	31.6	15.0	19.2	21.4	15.9	20.7
Ness	16.2	5.3	25.9	21.4	28.2	19.4
Norton	7.0	23.6	21.3	14.5	10.5	15.4
Osage	16.3	11.9	14.3	11.5	12.6	13.3
Osborne	14.0	33.5	28.7	5.2	5.5	17.8
Ottawa	7.7	7.4	5.2	5.6	14.8	8.0
Pawnee	16.6	11.2	27.7	16.1	10.4	16.5
Phillips	18.0	5.3	16.1	14.5	8.6	12.5
Pottawatomie	8.7	5.9	8.1	6.3	8.5	7.5
Pratt	30.2	15.4	19.2	27.8	14.8	21.4
Rawlins	14.0	21.9	7.3	31.5	16.0	17.9
Reno	16.9	18.7	16.5	15.1	12.4	15.9
Republic	18.4	15.8	4.0	8.4	15.7	12.6
Rice	16.3	23.9	10.3	10.4	19.0	16.0
Riley	14.5	13.1	11.4	13.0	10.1	12.4
Rooks	15.2	9.5	6.2	12.4	3.1	9.3
Rush	17.4	5.8	5.7	5.9	6.4	8.3
Russell	23.4	17.9	10.4	10.8	11.0	14.8
Saline	22.2	22.5	16.9	17.1	13.9	18.5
Scott	21.7	17.6	16.1	5.9	11.8	14.6
Sedgwick	22.9	22.1	19.5	16.5	16.6	19.5
Seward	39.1	31.6	32.3	28.4	24.0	31.1
Shawnee	26.0	21.5	19.3	18.4	14.9	20.0
Sheridan	20.8	12.7	6.1	0.0	12.0	10.0
Sherman	35.9	21.4	27.2	20.3	2.7	21.4
Smith	9.2	9.3	0.0	9.9	4.8	6.6
Stafford	35.6	16.4	15.6	53.0	20.8	28.6
Stanton	26.3	13.9	21.1	21.9	0.0	16.7
Stevens	20.0	27.8	20.4	12.8	9.1	17.9
Sumner	23.7	15.6	7.9	17.8	11.6	15.4
Thomas	23.7	16.7	20.3	11.9	19.0	18.3
Trego	10.5	11.7	0.0	20.5	21.0	12.4
Wabaunsee	19.7	19.4	13.3	6.8	9.1	13.8
Wallace	0.0	8.8	0.0	0.0	0.0	1.8
Washington	2.8	2.9	0.0	3.0	8.6	3.5
Wichita	13.7	7.6	7.0	21.3	6.7	11.2
Wilson	27.8	13.5	15.0	8.7	21.4	17.2
Woodson	16.3	0.0	26.2	27.2	24.6	18.7
Wyandotte	35.6	31.8	29.4	28.6	24.8	30.0
Kansas	19.7	17.1	16.0	14.8	12.9	16.1

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/25/2017

Table 6
 Pregnancy* Numbers and Rates† and Birth Rates
 by Year by Selected Population Groups
 Females Aged 15-17 Years, Kansas, 1997-2016

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1997	1,511	377	303	30.0	90.5	74.3	20.7	70.1	67.4
1998	1,399	295	306	27.6	71.0	69.9	18.8	56.1	61.0
1999	1,264	309	336	25.1	74.3	73.9	17.7	58.9	68.0
2000	1,138	271	361	23.0	64.6	75.0	16.3	50.5	66.1
2001	1,160	246	350	23.6	58.2	70.3	16.4	45.6	65.5
2002	1,043	239	346	21.7	54.7	67.9	14.8	42.3	64.2
2003	913	256	342	19.3	58.5	65.9	13.7	41.6	60.5
2004	868	227	338	18.7	52.2	64.5	14.1	40.5	58.8
2005	806	234	360	17.5	52.2	65.7	12.7	38.8	58.2
2006	832	216	378	17.8	46.6	63.0	12.9	33.2	56.6
2007	820	189	475	17.9	39.6	76.2	13.5	32.4	69.8
2008	815	224	443	18.4	47.6	69.8	14.1	37.2	64.7
2009	757	160	416	17.5	34.2	64.3	13.5	26.5	60.4
2010	644	175	394	15.3	45.1	50.1	12.6	35.6	47.7
2011	536	113	344	12.6	23.9	42.3	10.3	19.3	38.5
2012	508	106	298	12.1	22.7	35.9	10.0	17.7	34.0
2013	496	123	288	11.8	26.6	32.7	8.2	16.4	29.0
2014	401	78	246	9.7	16.7	27.1	8.0	14.2	25.8
2015	308	82	236	7.4	17.6	24.7	6.3	14.2	22.7
2016	305	79	228	7.4	17.0	23.6	6.2	15.0	21.1

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
 Kansas Department of Health and Environment

Created: 8/25/2017

Table 7
Pregnancy* Numbers and Rates† and Birth Rates
by Year by Selected Population Groups
Females Aged 18-19 Years, Kansas, 1997-2016

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1997	2,972	536	460	94.7	206.3	168.9	70.9	161.7	139.5
1998	3,020	572	532	92.0	203.6	174.7	70.2	156.9	146.8
1999	3,098	569	543	92.3	200.7	160.7	72.2	156.6	144.5
2000	2,896	529	599	86.7	187.1	171.0	68.9	143.2	145.3
2001	2,711	473	557	81.2	174.2	166.9	63.9	130.7	147.7
2002	2,609	483	581	77.8	175.3	171.5	61.1	128.4	152.3
2003	2,407	408	609	72.5	145.4	173.2	58.4	112.2	156.7
2004	2,308	419	612	69.8	149.3	172.4	55.4	116.9	153.3
2005	2,282	389	647	70.4	138.2	181.3	57.7	110.1	162.3
2006	2,234	457	748	71.8	160.8	215.1	58.0	127.7	188.4
2007	2,293	453	711	73.7	153.1	199.9	60.6	116.6	178.6
2008	2,330	457	767	74.6	147.6	210.8	61.8	117.2	189.1
2009	2,170	467	744	68.6	152.0	176.5	58.9	126.0	158.9
2010	1,895	357	720	63.9	125.8	139.6	56.0	103.3	126.4
2011	1,747	338	700	57.0	102.8	130.4	49.5	90.6	120.2
2012	1,694	297	655	58.3	88.3	120.0	51.0	75.8	110.3
2013	1,437	266	596	50.0	81.2	107.4	43.2	68.4	100.4
2014	1,336	239	562	46.9	73.5	99.6	40.5	63.3	88.8
2015	1,269	215	543	45.4	68.2	92.2	39.9	55.5	83.2
2016	1,061	181	485	38.5	59.7	79.2	32.9	49.2	69.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/25/2017

Table 8. Pregnancy* Numbers and Rates†and Birth Rates by County of Residence
and Peer Group by Component
Females Aged 10-17 Years, Kansas, 2016

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	4	0	1	5	7.7	6.2
Anderson	1	0	0	1	2.3	2.3
Atchison	3	0	1	4	4.8	3.6
Barber	0	0	0	0	0.0	0.0
Barton	12	0	0	12	8.6	8.6
Bourbon	6	0	0	6	7.5	7.5
Brown	1	0	0	1	1.9	1.9
Butler	7	0	1	8	1.9	1.7
Chase	0	0	0	0	0.0	0.0
Chautauqua	0	0	1	1	6.3	0.0
Cherokee	4	0	1	5	4.5	3.6
Cheyenne	1	0	0	1	8.5	8.5
Clark	1	0	0	1	7.4	7.4
Clay	1	0	0	1	2.4	2.4
Cloud	0	0	0	0	0.0	0.0
Coffey	0	0	0	0	0.0	0.0
Comanche	0	0	0	0	0.0	0.0
Cowley	9	0	3	12	6.4	4.8
Crawford	9	0	0	9	4.9	4.9
Decatur	0	0	1	1	8.1	0.0
Dickinson	2	0	0	2	1.9	1.9
Doniphan	0	0	0	0	0.0	0.0
Douglas	8	0	6	14	3.0	1.7
Edwards	1	0	0	1	5.7	5.7
Elk	0	0	0	0	0.0	0.0
Ellis	2	0	1	3	2.4	1.6
Ellsworth	0	0	0	0	0.0	0.0
Finney	11	0	0	11	4.7	4.7
Ford	15	0	2	17	8.4	7.4
Franklin	3	0	1	4	2.8	2.1
Geary	8	0	2	10	5.9	4.8
Gove	0	0	0	0	0.0	0.0
Graham	0	0	0	0	0.0	0.0
Grant	3	0	0	3	5.8	5.8
Gray	1	0	0	1	2.4	2.4
Greeley	1	0	1	2	27.4	13.7
Greenwood	2	0	0	2	6.7	6.7
Hamilton	2	0	0	2	13.1	13.1
Harper	1	0	0	1	3.7	3.7
Harvey	13	0	3	16	8.4	6.8
Haskell	1	0	0	1	3.8	3.8
Hodgeman	0	0	0	0	0.0	0.0
Jackson	1	0	0	1	1.3	1.3
Jefferson	2	0	0	2	1.9	1.9
Jewell	0	0	0	0	0.0	0.0
Johnson	31	0	17	48	1.5	0.9
Kearny	0	0	0	0	0.0	0.0
Kingman	2	0	0	2	4.8	4.8
Kiowa	1	0	0	1	7.6	7.6
Labette	4	0	0	4	3.8	3.8
Lane	1	0	0	1	11.9	11.9
Leavenworth	11	0	5	16	3.8	2.6
Lincoln	0	0	0	0	0.0	0.0
Linn	3	0	0	3	5.5	5.5
Logan	0	0	0	0	0.0	0.0

Table 8. Pregnancy* Numbers and Rates†and Birth Rates by County of Residence
and Peer Group by Component
Females Aged 10-17 Years, Kansas, 2016

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate‡
Lyon	7	0	1	8	4.8	4.2
McPherson	0	0	2	2	1.3	0.0
Marion	3	0	0	3	4.9	4.9
Marshall	0	0	0	0	0.0	0.0
Meade	2	0	0	2	8.6	8.6
Miami	9	0	3	12	6.1	4.5
Mitchell	0	0	0	0	0.0	0.0
Montgomery	9	0	0	9	5.5	5.5
Morris	0	0	2	2	7.9	0.0
Morton	0	0	0	0	0.0	0.0
Nemaha	1	0	0	1	1.8	1.8
Neosho	5	0	0	5	5.7	5.7
Ness	2	0	0	2	13.7	13.7
Norton	0	0	0	0	0.0	0.0
Osage	3	0	0	3	3.5	3.5
Osborne	0	0	0	0	0.0	0.0
Ottawa	0	0	0	0	0.0	0.0
Pawnee	0	0	0	0	0.0	0.0
Phillips	2	0	0	2	6.7	6.7
Pottawatomie	6	0	0	6	4.0	4.0
Pratt	1	0	0	1	2.2	2.2
Rawlins	0	0	0	0	0.0	0.0
Reno	7	0	1	8	2.4	2.1
Republic	1	0	0	1	4.7	4.7
Rice	3	0	0	3	6.0	6.0
Riley	6	0	1	7	3.1	2.7
Rooks	0	0	0	0	0.0	0.0
Rush	0	0	0	0	0.0	0.0
Russell	0	0	0	0	0.0	0.0
Saline	13	0	0	13	4.6	4.6
Scott	1	0	0	1	3.4	3.4
Sedgwick	162	0	25	187	6.5	5.6
Seward	11	0	1	12	8.3	7.6
Shawnee	43	0	7	50	5.3	4.6
Sheridan	0	0	0	0	0.0	0.0
Sherman	0	0	0	0	0.0	0.0
Smith	0	0	0	0	0.0	0.0
Stafford	0	0	0	0	0.0	0.0
Stanton	0	0	0	0	0.0	0.0
Stevens	1	0	0	1	2.7	2.7
Sumner	2	0	1	3	2.3	1.5
Thomas	2	0	0	2	5.3	5.3
Trego	0	0	0	0	0.0	0.0
Wabaunsee	1	0	0	1	2.7	2.7
Wallace	0	0	0	0	0.0	0.0
Washington	1	0	0	1	3.5	3.5
Wichita	0	0	0	0	0.0	0.0
Wilson	5	0	0	5	10.5	10.5
Woodson	1	0	0	1	5.7	5.7
Wyandotte	74	1	13	88	9.4	7.9
n.s.‡	0	0	0	1	n/a	n/a
Kansas	573	1	104	679	4.4	3.7
Peer Group						
Frontier	14	0	3	17	3.1	2.5
Rural	37	0	4	41	3.1	2.8
Densely-Settled Rural	109	0	12	121	4.9	4.4
Semi-Urban	84	0	12	96	4.2	3.6
Urban	329	1	73	403	4.5	3.7

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

‡ n.s.: Not Stated

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/25/2017

Table 9. Pregnancies* by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	Teenage Pregnancies 2012-2016
Allen	4	7	0	6	5	22
Anderson	3	1	1	1	1	7
Atchison	6	4	7	0	4	21
Barber	3	0	1	1	0	5
Barton	14	9	5	4	12	44
Bourbon	6	9	9	1	6	31
Brown	2	4	2	1	1	10
Butler	13	17	18	15	8	71
Chase	0	0	1	0	0	1
Chautauqua	0	1	0	1	1	3
Cherokee	8	11	17	3	5	44
Cheyenne	1	2	0	2	1	6
Clark	2	0	0	0	1	3
Clay	1	1	0	2	1	5
Cloud	2	3	2	3	0	10
Coffey	1	1	3	1	0	6
Comanche	0	0	1	0	0	1
Cowley	18	11	10	11	12	62
Crawford	8	11	12	12	9	52
Decatur	0	0	1	0	1	2
Dickinson	7	2	3	1	2	15
Doniphan	5	1	0	0	0	6
Douglas	14	14	16	13	14	71
Edwards	2	0	0	0	1	3
Elk	0	1	0	0	0	1
Ellis	8	7	7	3	3	28
Ellsworth	2	1	1	0	0	4
Finney	32	25	19	18	11	105
Ford	28	21	22	30	17	118
Franklin	13	6	6	10	4	39
Geary	8	8	12	11	10	49
Gove	0	0	0	0	0	0
Graham	1	1	1	0	0	3
Grant	4	8	10	6	3	31
Gray	3	2	0	0	1	6
Greeley	0	0	0	0	2	2
Greenwood	2	3	4	1	2	12
Hamilton	1	0	1	1	2	5
Harper	1	0	1	0	1	3
Harvey	12	10	7	7	16	52
Haskell	1	4	0	2	1	8
Hodgeman	0	0	0	0	0	0
Jackson	4	3	4	4	1	16
Jefferson	9	2	2	2	2	17
Jewell	1	0	0	1	0	2
Johnson	96	64	78	64	48	350
Kearny	1	3	2	2	0	8
Kingman	1	2	2	2	2	9
Kiowa	1	0	0	0	1	2
Labette	4	9	6	4	4	27
Lane	0	1	0	0	1	2
Leavenworth	32	28	18	15	16	109
Lincoln	1	1	0	1	0	3
Linn	4	7	2	5	3	21
Logan	0	1	0	0	0	1

Table 9. Pregnancies* by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	Teenage Pregnancies 2012-2016
Lyon	13	17	14	8	8	60
McPherson	4	4	3	4	2	17
Marion	0	4	3	1	3	11
Marshall	5	1	2	0	0	8
Meade	2	1	3	1	2	9
Miami	9	4	6	7	12	38
Mitchell	0	0	1	1	0	2
Montgomery	17	11	6	14	9	57
Morris	4	1	0	0	2	7
Morton	2	2	1	1	0	6
Nemaha	0	3	2	3	1	9
Neosho	7	2	5	6	5	25
Ness	1	0	0	2	2	5
Norton	1	1	2	0	0	4
Osage	3	2	3	0	3	11
Osborne	2	0	1	0	0	3
Ottawa	1	0	1	0	0	2
Pawnee	1	3	1	0	0	5
Phillips	2	0	3	2	2	9
Pottawatomie	1	3	5	1	6	16
Pratt	4	1	3	1	1	10
Rawlins	0	0	0	0	0	0
Reno	17	18	19	15	8	77
Republic	3	1	1	1	1	7
Rice	2	6	2	1	3	14
Riley	11	7	8	5	7	38
Rooks	1	1	1	0	0	3
Rush	0	0	1	0	0	1
Russell	0	2	2	0	0	4
Saline	15	28	16	17	13	89
Scott	1	1	3	0	1	6
Sedgwick	227	213	182	154	187	963
Seward	18	20	17	11	12	78
Shawnee	96	70	63	59	50	338
Sheridan	0	1	0	0	0	1
Sherman	2	2	5	1	0	10
Smith	0	0	0	0	0	0
Stafford	1	0	1	1	0	3
Stanton	1	0	1	1	0	3
Stevens	2	5	2	3	1	13
Sumner	10	6	4	3	3	26
Thomas	3	2	1	2	2	10
Trego	2	0	0	0	0	2
Wabaunsee	0	1	2	1	1	5
Wallace	0	0	0	0	0	0
Washington	0	0	0	0	1	1
Wichita	0	1	0	1	0	2
Wilson	3	1	3	0	5	12
Woodson	1	0	2	2	1	6
Wyandotte	124	109	103	97	88	521
n.s.†	6	0	0	1	1	8
Kansas	1,015	882	818	695	679	4,089

*Pregnancies include the sum of live births, stillbirths and abortions.

†n.s.: Not Stated

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/28/2017

Table 10. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Allen	6.1	10.9	0.0	9.4	7.7	6.8
Anderson	6.9	2.3	2.2	2.3	2.3	3.2
Atchison	6.9	4.7	8.5	0.0	4.8	5
Barber	13.9	0.0	4.6	4.8	0.0	4.6
Barton	9.7	6.3	3.6	2.9	8.6	6.2
Bourbon	7.5	11.4	11.5	1.2	7.5	7.8
Brown	3.9	7.7	3.7	1.9	1.9	3.8
Butler	3.2	4.1	4.3	3.6	1.9	3.4
Chase	0.0	0.0	6.4	0.0	0.0	1.3
Chautauqua	0.0	6.6	0.0	6.3	6.3	3.7
Cherokee	6.7	9.0	14.3	2.6	4.5	7.5
Cheyenne	9.3	18.7	0.0	16.0	8.5	10.3
Clark	14.8	0.0	0.0	0.0	7.4	4.6
Clay	2.3	2.4	0.0	4.8	2.4	2.4
Cloud	4.3	6.7	4.4	7.0	0.0	4.5
Coffey	2.0	2.1	6.4	2.2	0.0	2.6
Comanche	0.0	0.0	7.8	0.0	0.0	1.7
Cowley	9.4	5.7	5.3	5.9	6.4	6.6
Crawford	4.3	6.0	6.5	6.6	4.9	5.6
Decatur	0.0	0.0	7.4	0.0	8.1	3.1
Dickinson	6.5	1.9	2.8	0.9	1.9	2.8
Doniphan	13.3	2.7	0.0	0.0	0.0	3.3
Douglas	3.1	3.0	3.4	2.7	3.0	3.1
Edwards	12.7	0.0	0.0	0.0	5.7	3.5
Elk	0.0	8.1	0.0	0.0	0.0	1.7
Ellis	6.9	5.8	5.8	2.5	2.4	4.6
Ellsworth	8.2	4.4	4.5	0.0	0.0	3.4
Finney	12.7	10.5	8.2	7.7	4.7	8.8
Ford	13.3	9.9	10.7	14.9	8.4	11.4
Franklin	9.6	4.3	4.3	7.0	2.8	5.6
Geary	4.4	4.4	7.0	6.1	5.9	5.5
Gove	0.0	0.0	0.0	0.0	0.0	0
Graham	8.5	8.5	9.9	0.0	0.0	5.3
Grant	7.5	14.6	18.6	11.4	5.8	11.6
Gray	7.4	4.7	0.0	0.0	2.4	2.9
Greeley	0.0	0.0	0.0	0.0	27.4	5.8
Greenwood	6.1	9.6	13.1	3.3	6.7	7.8
Hamilton	7.4	0.0	5.8	6.7	13.1	6.6
Harper	3.4	0.0	3.7	0.0	3.7	2.2
Harvey	6.2	5.3	3.7	3.6	8.4	5.4
Haskell	3.3	14.4	0.0	7.3	3.8	5.8
Hodgeman	0.0	0.0	0.0	0.0	0.0	0
Jackson	5.1	3.9	5.2	5.3	1.3	4.2
Jefferson	8.5	1.9	1.9	1.9	1.9	3.2
Jewell	7.8	0.0	0.0	8.5	0.0	3.3
Johnson	3.0	2.0	2.4	2.0	1.5	2.2
Kearny	3.9	13.1	8.4	8.1	0.0	6.6
Kingman	2.2	4.5	4.9	4.8	4.8	4.2
Kiowa	7.9	0.0	0.0	0.0	7.6	3.2
Labette	3.8	8.8	5.8	3.9	3.8	5.2
Lane	0.0	9.4	0.0	0.0	11.9	4.3
Leavenworth	7.7	6.8	4.3	3.6	3.8	5.3
Lincoln	6.0	5.8	0.0	5.9	0.0	3.5
Linn	7.8	12.3	3.6	8.9	5.5	7.6
Logan	0.0	7.8	0.0	0.0	0.0	1.5

Table 10. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Lyon	8.1	10.7	8.9	5.0	4.8	7.4
McPherson	2.5	2.5	1.9	2.6	1.3	2.2
Marion	0.0	6.7	4.7	1.7	4.9	3.5
Marshall	10.0	2.0	3.9	0.0	0.0	3.1
Meade	6.5	3.4	10.0	3.7	8.6	6.4
Miami	4.5	2.0	3.0	3.5	6.1	3.8
Mitchell	0.0	0.0	3.1	3.1	0.0	1.3
Montgomery	10.2	6.6	3.6	8.6	5.5	6.9
Morris	14.4	3.7	0.0	0.0	7.9	5.2
Morton	10.0	9.7	5.3	5.2	0.0	6.3
Nemaha	0.0	5.0	3.4	5.0	1.8	3
Neosho	7.7	2.2	5.8	7.0	5.7	5.7
Ness	6.9	0.0	0.0	12.7	13.7	6.5
Norton	4.2	4.1	8.3	0.0	0.0	3.3
Osage	3.2	2.1	3.4	0.0	3.5	2.5
Osborne	11.7	0.0	6.0	0.0	0.0	3.7
Ottawa	3.0	0.0	3.3	0.0	0.0	1.3
Pawnee	3.3	10.0	3.6	0.0	0.0	3.7
Phillips	6.3	0.0	9.7	6.9	6.7	5.9
Pottawatomie	0.7	2.1	3.4	0.7	4.0	2.2
Pratt	8.5	2.0	6.3	2.2	2.2	4.2
Rawlins	0.0	0.0	0.0	0.0	0.0	0
Reno	5.2	5.4	5.8	4.5	2.4	4.7
Republic	13.4	4.7	4.8	4.9	4.7	6.6
Rice	4.1	12.2	3.9	2.0	6.0	5.6
Riley	4.8	3.1	3.7	2.2	3.1	3.4
Rooks	3.6	3.8	3.6	0.0	0.0	2.2
Rush	0.0	0.0	6.7	0.0	0.0	1.4
Russell	0.0	6.3	6.2	0.0	0.0	2.5
Saline	5.2	9.8	5.6	6.0	4.6	6.3
Scott	3.5	3.4	9.2	0.0	3.4	4.1
Sedgwick	8.0	7.5	6.4	5.4	6.5	6.8
Seward	12.5	14.0	12.0	7.5	8.3	10.8
Shawnee	10.2	7.4	6.7	6.3	5.3	7.2
Sheridan	0.0	7.5	0.0	0.0	0.0	1.5
Sherman	6.6	6.3	16.2	3.5	0.0	6.6
Smith	0.0	0.0	0.0	0.0	0.0	0
Stafford	4.8	0.0	4.7	4.7	0.0	2.9
Stanton	8.1	0.0	7.9	8.4	0.0	4.9
Stevens	5.3	13.6	5.4	7.7	2.7	6.9
Sumner	7.2	4.3	2.9	2.2	2.3	3.8
Thomas	7.2	4.9	2.6	5.2	5.3	5.1
Trego	13.1	0.0	0.0	0.0	0.0	3
Wabaunsee	0.0	2.5	5.2	2.7	2.7	2.6
Wallace	0.0	0.0	0.0	0.0	0.0	0
Washington	0.0	0.0	0.0	0.0	3.5	0.7
Wichita	0.0	8.6	0.0	8.2	0.0	3.3
Wilson	6.3	2.0	5.8	0.0	10.5	4.9
Woodson	6.2	0.0	12.2	13.1	5.7	7.2
Wyandotte	13.9	12.0	11.0	10.4	9.4	11.3
Kansas	6.6	5.7	5.3	4.5	4.4	5.3

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/28/2017

Table 11. Pregnancy* Numbers and Rates† and Birth Rates by County of Residence and Peer Group by Component, Females Aged 15-17 Years, Kansas, 2016

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	3	0	1	4	17.4	13.0
Anderson	1	0	0	1	6.5	6.5
Atchison	3	0	1	4	12.9	9.6
Barber	0	0	0	0	0.0	0.0
Barton	11	0	0	11	21.2	21.2
Bourbon	6	0	0	6	21.1	21.1
Brown	1	0	0	1	5.4	5.4
Butler	7	0	1	8	4.9	4.3
Chase	0	0	0	0	0.0	0.0
Chautauqua	0	0	0	0	0.0	0.0
Cherokee	4	0	1	5	11.9	9.5
Cheyenne	1	0	0	1	25.0	25.0
Clark	1	0	0	1	19.2	19.2
Clay	1	0	0	1	6.5	6.5
Cloud	0	0	0	0	0.0	0.0
Coffey	0	0	0	0	0.0	0.0
Comanche	0	0	0	0	0.0	0.0
Cowley	9	0	3	12	17.0	12.7
Crawford	8	0	0	8	11.1	11.1
Decatur	0	0	1	1	20.8	0.0
Dickinson	2	0	0	2	4.9	4.9
Doniphan	0	0	0	0	0.0	0.0
Douglas	8	0	6	14	7.9	4.5
Edwards	1	0	0	1	14.5	14.5
Elk	0	0	0	0	0.0	0.0
Ellis	2	0	1	3	6.7	4.4
Ellsworth	0	0	0	0	0.0	0.0
Finney	11	0	0	11	11.9	11.9
Ford	15	0	2	17	22.6	19.9
Franklin	3	0	1	4	7.4	5.6
Geary	7	0	2	9	15.7	12.2
Gove	0	0	0	0	0.0	0.0
Graham	0	0	0	0	0.0	0.0
Grant	3	0	0	3	14.6	14.6
Gray	1	0	0	1	6.4	6.4
Greeley	1	0	1	2	100.0	50.0
Greenwood	2	0	0	2	18.7	18.7
Hamilton	2	0	0	2	29.4	29.4
Harper	1	0	0	1	12.0	12.0
Harvey	13	0	2	15	21.3	18.5
Haskell	1	0	0	1	10.1	10.1
Hodgeman	0	0	0	0	0.0	0.0
Jackson	1	0	0	1	3.2	3.2
Jefferson	2	0	0	2	4.8	4.8
Jewell	0	0	0	0	0.0	0.0
Johnson	31	0	15	46	3.7	2.5
Kearny	0	0	0	0	0.0	0.0
Kingman	2	0	0	2	11.2	11.2
Kiowa	1	0	0	1	19.6	19.6
Labette	4	0	0	4	10.3	10.3
Lane	1	0	0	1	33.3	33.3
Leavenworth	11	0	5	16	10.4	7.2
Lincoln	0	0	0	0	0.0	0.0
Linn	3	0	0	3	15.5	15.5
Logan	0	0	0	0	0.0	0.0

Table 11. Pregnancy* Numbers and Rates† and Birth Rates by County of Residence and Peer Group by Component, Females Aged 15-17 Years, Kansas, 2016

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	6	0	0	6	9.6	9.6
McPherson	0	0	2	2	3.5	0.0
Marion	3	0	0	3	13.2	13.2
Marshall	0	0	0	0	0.0	0.0
Meade	2	0	0	2	19.0	19.0
Miami	9	0	3	12	16.2	12.1
Mitchell	0	0	0	0	0.0	0.0
Montgomery	9	0	0	9	15.6	15.6
Morris	0	0	2	2	18.7	0.0
Morton	0	0	0	0	0.0	0.0
Nemaha	1	0	0	1	4.4	4.4
Neosho	5	0	0	5	14.8	14.8
Ness	2	0	0	2	33.3	33.3
Norton	0	0	0	0	0.0	0.0
Osage	3	0	0	3	9.5	9.5
Osborne	0	0	0	0	0.0	0.0
Ottawa	0	0	0	0	0.0	0.0
Pawnee	0	0	0	0	0.0	0.0
Phillips	2	0	0	2	13.7	13.7
Pottawatomie	6	0	0	6	10.6	10.6
Pratt	1	0	0	1	5.8	5.8
Rawlins	0	0	0	0	0.0	0.0
Reno	5	0	1	6	4.7	3.9
Republic	0	0	0	0	0.0	0.0
Rice	3	0	0	3	15.6	15.6
Riley	6	0	1	7	8.1	7.0
Rooks	0	0	0	0	0.0	0.0
Rush	0	0	0	0	0.0	0.0
Russell	0	0	0	0	0.0	0.0
Saline	12	0	0	12	11.7	11.7
Scott	1	0	0	1	8.0	8.0
Sedgwick	157	0	25	182	17.0	14.7
Seward	11	0	1	12	24.0	22.0
Shawnee	40	0	7	47	13.5	11.5
Sheridan	0	0	0	0	0.0	0.0
Sherman	0	0	0	0	0.0	0.0
Smith	0	0	0	0	0.0	0.0
Stafford	0	0	0	0	0.0	0.0
Stanton	0	0	0	0	0.0	0.0
Stevens	1	0	0	1	8.1	8.1
Sumner	2	0	1	3	6.0	4.0
Thomas	2	0	0	2	13.0	13.0
Trego	0	0	0	0	0.0	0.0
Wabaunsee	0	0	0	0	0.0	0.0
Wallace	0	0	0	0	0.0	0.0
Washington	1	0	0	1	9.4	9.4
Wichita	0	0	0	0	0.0	0.0
Wilson	5	0	0	5	27.3	27.3
Woodson	1	0	0	1	15.6	15.6
Wyandotte	70	1	11	82	24.8	21.2
n.s.‡	0	0	0	0	0.0	0.0
Kansas	551	1	97	649	11.2	9.5
Peer Group						
Frontier	14	0	2	16	7.6	6.6
Rural	35	0	4	39	8.5	7.6
Densely-Settled Rural	106	0	11	117	12.1	11.0
Semi-Urban	79	0	11	90	10.4	9.1
Urban	317	1	69	387	11.7	9.5

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

‡n.s.: Not Stated

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/28/2017

Table 12. Pregnancies* by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	Teenage Pregnancies 2012-2016
Allen	4	7	0	6	4	21
Anderson	3	1	1	1	1	7
Atchison	6	4	7	0	4	21
Barber	3	0	1	1	0	5
Barton	13	9	5	4	11	42
Bourbon	6	8	9	1	6	30
Brown	2	4	2	1	1	10
Butler	13	15	18	15	8	69
Chase	0	0	1	0	0	1
Chautauqua	0	1	0	1	0	2
Cherokee	7	11	17	3	5	43
Cheyenne	1	1	0	2	1	5
Clark	2	0	0	0	1	3
Clay	1	1	0	2	1	5
Cloud	2	3	2	3	0	10
Coffey	1	1	3	1	0	6
Comanche	0	0	1	0	0	1
Cowley	18	11	10	11	12	62
Crawford	7	11	11	12	8	49
Decatur	0	0	1	0	1	2
Dickinson	6	2	3	1	2	14
Doniphan	3	1	0	0	0	4
Douglas	12	12	15	12	14	65
Edwards	2	0	0	0	1	3
Elk	0	1	0	0	0	1
Ellis	7	7	6	3	3	26
Ellsworth	2	0	1	0	0	3
Finney	31	25	19	17	11	103
Ford	28	20	22	30	17	117
Franklin	13	6	5	10	4	38
Geary	8	5	12	10	9	44
Gove	0	0	0	0	0	0
Graham	1	1	1	0	0	3
Grant	4	8	9	6	3	30
Gray	3	3	0	0	1	7
Greeley	0	0	0	0	2	2
Greenwood	2	3	4	1	2	12
Hamilton	1	0	1	1	2	5
Harper	1	0	1	0	1	3
Harvey	12	10	7	6	15	50
Haskell	1	4	0	2	1	8
Hodgeman	0	0	0	0	0	0
Jackson	4	3	4	4	1	16
Jefferson	9	2	2	2	2	17
Jewell	1	0	0	1	0	2
Johnson	94	60	73	64	46	337
Kearny	1	3	2	2	0	8
Kingman	1	2	2	2	2	9
Kiowa	1	0	0	0	1	2
Labette	4	8	6	4	4	26
Lane	0	1	0	0	1	2
Leavenworth	31	27	18	13	16	105
Lincoln	1	1	0	1	0	3
Linn	4	7	2	5	3	21
Logan	0	1	0	0	0	1

Table 12. Pregnancies* by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	Teenage Pregnancies 2012-2016
Lyon	13	14	13	6	6	52
McPherson	3	4	3	1	2	13
Marion	0	4	3	0	3	10
Marshall	5	1	2	4	0	12
Meade	2	1	3	1	2	9
Miami	9	4	6	7	12	38
Mitchell	0	0	1	1	0	2
Montgomery	17	10	6	13	9	55
Morris	3	1	0	0	2	6
Morton	2	3	1	1	0	7
Nemaha	0	2	2	3	1	8
Neosho	7	2	5	6	5	25
Ness	1	0	0	2	2	5
Norton	1	1	2	0	0	4
Osage	3	2	3	0	3	11
Osborne	2	0	1	0	0	3
Ottawa	1	0	1	0	0	2
Pawnee	1	2	1	0	0	4
Phillips	2	0	1	2	2	7
Pottawatomie	1	3	5	1	6	16
Pratt	3	1	3	1	1	9
Rawlins	0	0	0	0	0	0
Reno	16	18	19	14	6	73
Republic	3	1	1	1	0	6
Rice	2	6	2	1	3	14
Riley	10	7	8	5	7	37
Rooks	1	0	1	0	0	2
Rush	0	0	1	0	0	1
Russell	0	1	2	0	0	3
Saline	14	28	16	16	12	86
Scott	1	1	3	0	1	6
Sedgwick	214	205	170	151	182	922
Seward	18	19	17	11	12	77
Shawnee	94	70	62	57	47	330
Sheridan	0	1	0	0	0	1
Sherman	2	2	4	0	0	8
Smith	0	0	0	0	0	0
Stafford	1	0	1	1	0	3
Stanton	1	0	1	1	0	3
Stevens	2	4	2	3	1	12
Sumner	9	6	4	3	3	25
Thomas	3	2	1	2	2	10
Trego	2	0	0	0	0	2
Wabaunsee	0	1	2	0	0	3
Wallace	0	0	0	0	0	0
Washington	0	0	0	0	1	1
Wichita	0	1	0	1	0	2
Wilson	3	1	2	0	5	11
Woodson	1	0	2	2	1	6
Wyandotte	118	101	96	93	82	490
n.s.†	5	0	0	1	0	6
Kansas	973	841	783	673	649	3,919

*Pregnancies include the sum of live births, stillbirths and abortions.

†n.s.: Not Stated

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/28/2017

Table 13. Pregnancy* Rates† by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Allen	15.9	29.7	0.0	26.3	17.4	17.9
Anderson	18.9	6.4	6.2	6.5	6.5	8.9
Atchison	17.1	12.2	22.7	0.0	12.9	13.0
Barber	33.7	0.0	12.2	12.5	0.0	11.9
Barton	23.6	16.2	9.3	7.5	21.2	15.6
Bourbon	19.1	25.7	30.2	3.4	21.1	20.0
Brown	10.0	20.5	11.0	5.5	5.4	10.6
Butler	8.5	9.7	11.1	9.0	4.9	8.7
Chase	0.0	0.0	16.4	0.0	0.0	3.4
Chautauqua	0.0	16.1	0.0	18.2	0.0	6.4
Cherokee	15.6	23.4	36.8	6.7	11.9	19.1
Cheyenne	25.0	27.8	0.0	41.7	25.0	23.7
Clark	37.7	0.0	0.0	0.0	19.2	12.0
Clay	6.1	6.2	0.0	12.1	6.5	6.2
Cloud	11.8	17.8	11.9	19.1	0.0	12.4
Coffey	4.9	4.9	16.5	5.9	0.0	6.5
Comanche	0.0	0.0	18.9	0.0	0.0	4.3
Cowley	25.0	14.7	13.9	15.3	17.0	17.2
Crawford	10.3	16.7	15.3	16.7	11.1	14.0
Decatur	0.0	0.0	20.0	0.0	20.8	8.2
Dickinson	14.6	5.2	7.6	2.4	4.9	7.0
Doniphan	20.8	6.7	0.0	0.0	0.0	5.8
Douglas	7.2	7.2	8.9	7.0	7.9	7.6
Edwards	37.7	0.0	0.0	0.0	14.5	9.5
Elk	0.0	19.6	0.0	0.0	0.0	4.3
Ellis	16.1	16.2	14.4	6.9	6.7	12.0
Ellsworth	20.2	0.0	11.8	0.0	0.0	6.7
Finney	34.3	27.4	20.7	18.4	11.9	22.5
Ford	37.5	25.8	29.3	39.4	22.6	30.9
Franklin	27.4	11.9	9.9	18.2	7.4	14.8
Geary	13.6	8.3	21.5	16.9	15.7	15.1
Gove	0.0	0.0	0.0	0.0	0.0	0.0
Graham	18.5	20.4	24.4	0.0	0.0	12.9
Grant	21.1	40.4	42.9	29.6	14.6	29.8
Gray	19.0	18.6	0.0	0.0	6.4	8.7
Greeley	0.0	0.0	0.0	0.0	100.0	15.7
Greenwood	15.9	25.0	35.1	8.2	18.7	20.4
Hamilton	30.3	0.0	14.7	16.7	29.4	17.9
Harper	8.1	0.0	8.9	0.0	12.0	5.6
Harvey	16.4	13.8	9.7	7.9	21.3	13.8
Haskell	8.6	34.8	0.0	18.2	10.1	14.7
Hodgeman	0.0	0.0	0.0	0.0	0.0	0.0
Jackson	13.1	10.5	13.4	13.9	3.2	10.7
Jefferson	21.9	5.0	5.0	4.8	4.8	8.3
Jewell	18.9	0.0	0.0	19.2	0.0	7.7
Johnson	8.1	5.1	6.2	5.2	3.7	5.6
Kearny	10.3	30.3	22.2	20.8	0.0	17.3
Kingman	5.3	10.9	12.0	10.8	11.2	10.0
Kiowa	18.5	0.0	0.0	0.0	19.6	8.7
Labette	10.6	21.7	14.8	9.9	10.3	13.4
Lane	0.0	20.8	0.0	0.0	33.3	10.9
Leavenworth	20.7	18.4	11.6	8.4	10.4	13.8
Lincoln	18.5	17.5	0.0	16.1	0.0	9.7
Linn	20.4	30.7	9.1	23.9	15.5	20.1
Logan	0.0	22.7	0.0	0.0	0.0	4.5

Table 13. Pregnancy* Rates† by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Lyon	21.2	24.0	23.7	10.6	9.6	17.7
McPherson	5.2	6.6	5.2	1.7	3.5	4.4
Marion	0.0	17.3	11.8	0.0	13.2	8.4
Marshall	29.1	5.5	10.9	20.7	0.0	12.9
Meade	14.3	8.0	23.4	9.4	19.0	14.9
Miami	11.6	5.4	8.0	9.5	16.2	10.2
Mitchell	0.0	0.0	7.8	8.2	0.0	3.4
Montgomery	26.3	16.7	10.1	23.1	15.6	18.5
Morris	28.8	9.3	0.0	0.0	18.7	11.1
Morton	24.7	36.6	14.5	13.9	0.0	18.6
Nemaha	0.0	9.2	8.7	12.3	4.4	7.0
Neosho	20.1	6.1	15.8	18.0	14.8	15.0
Ness	20.0	0.0	0.0	35.1	33.3	17.2
Norton	10.4	11.1	21.5	0.0	0.0	9.0
Osage	7.8	5.3	8.7	0.0	9.5	6.3
Osborne	26.7	0.0	15.4	0.0	0.0	8.9
Ottawa	6.9	0.0	8.2	0.0	0.0	3.1
Pawnee	8.8	16.1	8.6	0.0	0.0	7.3
Phillips	16.9	0.0	8.9	15.7	13.7	11.4
Pottawatomie	1.9	5.7	9.4	1.9	10.6	6.0
Pratt	16.0	5.1	17.0	5.9	5.8	10.0
Rawlins	0.0	0.0	0.0	0.0	0.0	0.0
Reno	13.5	14.7	15.3	11.1	4.7	11.8
Republic	38.0	12.8	11.8	13.2	0.0	14.9
Rice	11.7	32.4	10.5	5.5	15.6	15.2
Riley	13.1	9.0	10.2	6.0	8.1	9.2
Rooks	10.2	0.0	10.1	0.0	0.0	4.1
Rush	0.0	0.0	19.6	0.0	0.0	3.7
Russell	0.0	8.3	15.6	0.0	0.0	4.9
Saline	12.5	25.8	14.6	14.6	11.7	15.8
Scott	10.9	10.5	28.0	0.0	8.0	11.2
Sedgwick	20.6	19.5	16.3	14.1	17.0	17.5
Seward	33.5	37.6	34.6	21.1	24.0	30.1
Shawnee	26.5	19.6	17.3	16.2	13.5	18.6
Sheridan	0.0	20.4	0.0	0.0	0.0	3.9
Sherman	19.8	16.4	31.5	0.0	0.0	13.8
Smith	0.0	0.0	0.0	0.0	0.0	0.0
Stafford	10.9	0.0	11.2	12.2	0.0	7.0
Stanton	31.3	0.0	20.0	17.9	0.0	13.4
Stevens	13.3	29.6	16.3	25.9	8.1	18.5
Sumner	17.2	11.5	8.0	6.0	6.0	9.8
Thomas	18.0	12.0	6.7	13.3	13.0	12.7
Trego	30.3	0.0	0.0	0.0	0.0	7.1
Wabaunsee	0.0	6.5	14.4	0.0	0.0	4.1
Wallace	0.0	0.0	0.0	0.0	0.0	0.0
Washington	0.0	0.0	0.0	0.0	9.4	1.8
Wichita	0.0	27.0	0.0	21.3	0.0	9.0
Wilson	17.6	5.0	9.9	0.0	27.3	11.6
Woodson	16.7	0.0	30.8	35.1	15.6	19.0
Wyandotte	36.5	30.2	28.2	27.8	24.8	29.5
Kansas	15.9	14.6	13.6	11.5	11.2	13.5

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Created: 8/28/2017

Table 14. Pregnancy* Numbers and Rates†, by County of Residence by Component
Females Aged 18-19 Years, Kansas, 2016

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Allen	9	45.7	0	1	10	50.8
Anderson	7	97.2	0	0	7	97.2
Atchison	14	32.7	0	0	14	32.7
Barber	3	78.9	0	0	3	78.9
Barton	13	36.7	0	1	14	39.5
Bourbon	14	74.5	0	2	16	85.1
Brown	5	59.5	0	0	5	59.5
Butler	29	32.1	0	3	32	35.4
Chase	2	64.5	0	0	2	64.5
Chautauqua	3	88.2	0	0	3	88.2
Cherokee	16	71.4	0	0	16	71.4
Cheyenne	3	103.4	0	0	3	103.4
Clark	1	38.5	0	0	1	38.5
Clay	3	40.0	0	1	4	53.3
Cloud	4	25.2	0	0	4	25.2
Coffey	5	53.8	0	0	5	53.8
Comanche	0	0.0	0	0	0	0.0
Cowley	23	38.7	0	4	27	45.5
Crawford	25	30.6	0	2	27	33.0
Decatur	0	0.0	0	0	0	0.0
Dickinson	12	67.0	0	0	12	67.0
Doniphan	5	27.2	0	0	5	27.2
Douglas	25	6.7	0	19	44	11.8
Edwards	1	33.3	0	1	2	66.7
Elk	2	74.1	0	0	2	74.1
Ellis	5	8.8	0	2	7	12.4
Ellsworth	2	40.8	0	0	2	40.8
Finney	47	84.5	1	4	52	93.5
Ford	30	66.8	0	3	33	73.5
Franklin	16	49.4	0	1	17	52.5
Geary	45	141.1	3	8	56	175.5
Gove	2	95.2	0	0	2	95.2
Graham	0	0.0	0	1	1	58.8
Grant	5	45.5	0	2	7	63.6
Gray	1	15.2	0	1	2	30.3
Greeley	0	0.0	0	0	0	0.0
Greenwood	2	33.9	0	0	2	33.9
Hamilton	0	0.0	0	0	0	0.0
Harper	1	17.2	0	1	2	34.5
Harvey	17	32.1	0	3	20	37.8
Haskell	2	38.5	0	1	3	57.7
Hodgeman	1	50.0	0	0	1	50.0
Jackson	7	47.6	0	1	8	54.4
Jefferson	11	58.2	0	0	11	58.2
Jewell	1	40.0	0	0	1	40.0
Johnson	112	18.7	1	48	161	26.9
Kearny	3	60.0	0	0	3	60.0
Kingman	2	27.0	0	0	2	27.0
Kiowa	1	18.5	0	0	1	18.5
Labette	21	110.5	0	0	21	110.5
Lane	0	0.0	0	1	1	47.6
Leavenworth	44	56.1	0	6	50	63.8
Lincoln	1	37.0	0	0	1	37.0
Linn	6	63.2	0	0	6	63.2
Logan	2	87.0	0	0	2	87.0

Table 14. Pregnancy* Numbers and Rate†, by County of Residence by Component
Females Aged 18-19 Years, Kansas, 2016

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Lyon	26	33.9	2	3	31	40.4
McPherson	16	43.1	0	2	18	48.5
Marion	4	22.7	0	0	4	22.7
Marshall	7	81.4	0	0	7	81.4
Meade	4	70.2	0	0	4	70.2
Miami	10	29.0	0	2	12	34.8
Mitchell	7	100.0	0	1	8	114.3
Montgomery	20	44.9	0	3	23	51.7
Morris	1	18.5	0	0	1	18.5
Morton	3	90.9	0	0	3	90.9
Nemaha	3	26.1	0	0	3	26.1
Neosho	11	55.0	0	1	12	60.0
Ness	3	96.8	0	0	3	96.8
Norton	3	69.8	0	0	3	69.8
Osage	10	60.2	0	0	10	60.2
Osborne	1	32.3	0	0	1	32.3
Ottawa	3	57.7	0	2	5	96.2
Pawnee	3	52.6	0	0	3	52.6
Phillips	1	20.0	0	0	1	20.0
Pottawatomie	9	34.9	0	0	9	34.9
Pratt	8	55.2	0	0	8	55.2
Rawlins	1	62.5	1	0	2	125.0
Reno	40	53.6	1	2	43	57.6
Republic	2	48.8	0	1	3	73.2
Rice	8	43.7	0	2	10	54.6
Riley	27	10.1	0	16	43	16.1
Rooks	1	20.0	0	0	1	20.0
Rush	1	40.0	0	0	1	40.0
Russell	4	67.8	0	0	4	67.8
Saline	31	47.8	0	4	35	53.9
Scott	3	60.0	0	0	3	60.0
Sedgwick	337	56.2	4	50	391	65.2
Seward	30	88.8	0	1	31	91.7
Shawnee	113	53.7	0	9	122	57.9
Sheridan	2	69.0	0	0	2	69.0
Sherman	1	14.5	0	0	1	14.5
Smith	1	27.0	0	0	1	27.0
Stafford	5	116.3	0	0	5	116.3
Stanton	0	0.0	0	0	0	0.0
Stevens	3	47.6	0	0	3	47.6
Sumner	14	60.6	0	1	15	64.9
Thomas	8	40.4	0	1	9	45.5
Trego	3	157.9	0	0	3	157.9
Wabaunsee	3	46.9	0	0	3	46.9
Wallace	0	0.0	0	0	0	0.0
Washington	2	32.3	0	0	2	32.3
Wichita	1	62.5	0	0	1	62.5
Wilson	6	68.2	0	1	7	79.5
Woodson	4	137.9	0	0	4	137.9
Wyandotte	160	84.5	3	29	192	101.4
n.s.‡	0	n/a§	0	1	1	n/a§
Kansas	1575	40.6	16	249	1,840	47.4
Peer Group						
Frontier	55	49.3	1	3	59	52.9
Rural	126	47.2	0	14	140	52.4
Densely-Settled Rural	343	50.6	3	26	372	54.9
Semi-Urban	260	33.5	4	44	308	39.7
Urban	791	38.6	8	161	960	46.8

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

‡ n.s.: Not Stated

§ n/a: Not Applicable

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 15. Pregnancies* by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	Teenage Pregnancies 2012-2016
Allen	16	4	10	11	10	51
Anderson	1	6	7	4	7	25
Atchison	17	22	16	15	14	84
Barber	7	4	7	3	3	24
Barton	29	23	33	28	14	127
Bourbon	27	15	23	19	16	100
Brown	11	8	12	10	5	46
Butler	62	39	43	39	32	215
Chase	1	1	0	1	2	5
Chautauqua	4	5	0	2	3	14
Cherokee	24	17	25	24	16	106
Cheyenne	0	2	1	3	3	9
Clark	1	2	0	2	1	6
Clay	6	7	8	5	4	30
Cloud	8	9	12	7	4	40
Coffey	5	3	5	4	5	22
Comanche	0	2	0	0	0	2
Cowley	47	44	41	30	27	189
Crawford	37	39	50	35	27	188
Decatur	1	6	4	1	0	12
Dickinson	17	10	15	16	12	70
Doniphan	9	9	4	0	5	27
Douglas	82	62	51	63	44	302
Edwards	2	1	3	1	2	9
Elk	2	2	3	1	2	10
Ellis	19	23	25	14	7	88
Ellsworth	1	2	1	2	2	8
Finney	71	59	59	62	52	303
Ford	62	50	52	48	33	245
Franklin	23	26	23	18	17	107
Geary	79	63	56	58	56	312
Gove	1	0	1	2	2	6
Graham	2	3	3	1	1	10
Grant	12	10	6	7	7	42
Gray	4	5	6	2	2	19
Greeley	0	0	0	2	0	2
Greenwood	10	5	6	5	2	28
Hamilton	5	5	1	2	0	13
Harper	5	7	6	6	2	26
Harvey	40	36	24	18	20	138
Haskell	13	4	7	5	3	32
Hodgeman	0	1	0	2	1	4
Jackson	5	11	11	11	8	46
Jefferson	10	6	6	17	11	50
Jewell	4	4	3	1	1	13
Johnson	269	231	225	198	161	1,084
Kearny	4	2	3	6	3	18
Kingman	5	7	1	4	2	19
Kiowa	2	1	3	1	1	8
Labette	22	17	18	18	21	96
Lane	0	0	1	0	1	2
Leavenworth	64	53	46	53	50	266
Lincoln	2	0	0	1	1	4
Linn	10	4	9	15	6	44
Logan	2	1	2	2	2	9

Table 15. Pregnancies* by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	Teenage Pregnancies 2012-2016
Lyon	33	33	33	21	31	151
McPherson	27	15	23	5	18	88
Marion	8	1	5	4	4	22
Marshall	3	7	5	17	7	39
Meade	0	6	3	5	4	18
Miami	21	24	18	21	12	96
Mitchell	0	6	3	6	8	23
Montgomery	49	40	34	32	23	178
Morris	6	4	3	4	1	18
Morton	4	1	2	2	3	12
Nemaha	4	10	8	6	3	31
Neosho	29	15	16	17	12	89
Ness	2	1	5	2	3	13
Norton	1	6	4	4	3	18
Osage	15	11	12	12	10	60
Osborne	1	7	5	1	1	15
Ottawa	2	3	1	2	5	13
Pawnee	5	1	8	5	3	22
Phillips	5	2	3	3	1	14
Pottawatomie	13	7	9	10	9	48
Pratt	15	9	9	16	8	57
Rawlins	2	3	1	4	2	12
Reno	51	58	47	46	43	245
Republic	2	3	0	1	3	9
Rice	9	10	5	6	10	40
Riley	60	57	47	59	43	266
Rooks	4	2	1	4	1	12
Rush	3	1	0	1	1	6
Russell	9	5	2	4	4	24
Saline	63	51	43	42	35	234
Scott	6	5	3	2	3	19
Sedgwick	562	545	487	419	391	2,404
Seward	52	37	41	40	31	201
Shawnee	203	178	159	152	122	814
Sheridan	3	1	1	0	2	7
Sherman	11	6	5	6	1	29
Smith	2	2	0	2	1	7
Stafford	8	4	3	13	5	33
Stanton	3	2	2	2	0	9
Stevens	7	7	7	3	3	27
Sumner	29	20	9	26	15	99
Thomas	11	8	11	5	9	44
Trego	0	2	0	3	3	8
Wabaunsee	9	8	4	2	3	26
Wallace	0	1	0	0	0	1
Washington	1	1	0	1	2	5
Wichita	2	0	1	2	1	6
Wilson	13	7	6	5	7	38
Woodson	2	0	3	3	4	12
Wyandotte	263	239	226	223	192	1,143
n.s.†	13	3	0	1	1	18
Kansas	2,808	2,453	2,300	2,177	1,840	11,578

*Pregnancies include the sum of live births, stillbirths and abortions.

†n.s. Not Stated

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/24/2017

Table 16. Pregnancy* Rates† by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Allen	74.1	19.6	48.5	56.1	50.8	50.0
Anderson	12.3	72.3	85.4	54.8	97.2	63.9
Atchison	35.7	45.8	35.7	33.6	32.7	36.9
Barber	129.6	88.9	166.7	65.2	78.9	106.7
Barton	74.2	63.2	91.2	79.1	39.5	69.6
Bourbon	153.4	84.3	125.0	101.1	85.1	109.4
Brown	107.8	76.9	107.1	101.0	59.5	91.8
Butler	66.9	43.6	48.4	43.3	35.4	47.6
Chase	43.5	37.0	0.0	34.5	64.5	37.3
Chautauqua	129.0	138.9	0.0	60.6	88.2	85.4
Cherokee	103.0	77.6	106.8	103.4	71.4	92.8
Cheyenne	0.0	95.2	55.6	150.0	103.4	82.6
Clark	50.0	76.9	0.0	76.9	38.5	47.6
Clay	75.0	78.7	100.0	65.8	53.3	75.0
Cloud	44.7	55.9	71.0	42.7	25.2	48.1
Coffey	63.3	31.3	49.5	40.4	53.8	47.0
Comanche	0.0	90.9	0.0	0.0	0.0	19.0
Cowley	77.3	75.2	69.0	49.9	45.5	63.4
Crawford	46.2	47.5	61.8	42.6	33.0	46.2
Decatur	52.6	285.7	153.8	41.7	0.0	106.2
Dickinson	81.0	47.8	72.8	87.4	67.0	70.9
Doniphan	50.0	50.3	22.2	0.0	27.2	29.8
Douglas	22.6	17.1	13.7	16.8	11.8	16.4
Edwards	47.6	27.0	111.1	33.3	66.7	54.2
Elk	74.1	69.0	115.4	40.0	74.1	74.6
Ellis	31.4	38.9	42.6	23.8	12.4	30.0
Ellsworth	18.9	35.1	20.0	40.8	40.8	31.0
Finney	122.6	101.2	105.5	113.8	93.5	107.4
Ford	119.0	105.3	113.8	111.1	73.5	105.0
Franklin	63.2	72.8	64.6	57.3	52.5	62.4
Geary	199.0	167.6	148.1	177.4	175.5	173.6
Gove	43.5	0.0	33.3	76.9	95.2	46.5
Graham	100.0	125.0	103.4	41.7	58.8	87.7
Grant	137.9	98.0	55.6	63.1	63.6	81.1
Gray	54.8	64.1	64.5	26.0	30.3	49.1
Greeley	0.0	0.0	0.0	153.8	0.0	37.0
Greenwood	200.0	90.9	103.4	94.3	33.9	101.8
Hamilton	135.1	263.2	76.9	80.0	0.0	104.8
Harper	75.8	107.7	88.2	101.7	34.5	82.3
Harvey	74.8	71.6	47.2	35.4	37.8	53.4
Haskell	203.1	65.6	112.9	86.2	57.7	107.7
Hodgeman	0.0	41.7	0.0	100.0	50.0	39.2
Jackson	34.2	73.8	76.4	75.9	54.4	62.9
Jefferson	46.9	30.3	31.3	89.0	58.2	50.9
Jewell	137.9	181.8	100.0	29.4	40.0	92.9
Johnson	44.6	38.0	36.7	32.6	26.9	35.8
Kearny	87.0	50.0	66.7	111.1	60.0	76.6
Kingman	61.7	97.2	12.5	56.3	27.0	50.3
Kiowa	39.2	16.7	44.1	15.4	18.5	26.8
Labette	96.5	74.9	83.7	92.3	110.5	91.0
Lane	0.0	0.0	45.5	0.0	47.6	19.0
Leavenworth	80.1	65.2	59.7	68.1	63.8	67.4
Lincoln	64.5	0.0	0.0	41.7	37.0	28.8
Linn	135.1	47.1	95.7	170.5	63.2	100.9
Logan	62.5	40.0	74.1	87.0	87.0	69.2

Table 16. Pregnancy* Rate† by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2012-2016

County of Residence	2012	2013	2014	2015	2016	5-year Rate
Lyon	41.0	40.5	40.1	26.5	40.4	37.7
McPherson	71.1	40.3	61.2	13.2	48.5	46.9
Marion	46.2	5.8	28.7	22.1	22.7	25.1
Marshall	31.9	83.3	57.5	197.7	81.4	89.2
Meade	0.0	95.2	44.8	76.9	70.2	57.0
Miami	60.3	64.3	47.7	57.5	34.8	53.1
Mitchell	0.0	81.1	51.7	93.8	114.3	70.8
Montgomery	99.8	78.9	70.2	68.8	51.7	74.4
Morris	127.7	75.5	65.2	88.9	18.5	73.5
Morton	153.8	25.0	44.4	54.1	90.9	66.3
Nemaha	35.1	87.0	75.5	60.6	26.1	56.5
Neosho	128.9	64.9	68.4	76.2	60.0	80.0
Ness	50.0	32.3	192.3	66.7	96.8	82.3
Norton	22.7	113.2	100.0	102.6	69.8	82.2
Osage	84.3	67.9	70.6	63.2	60.2	69.3
Osborne	22.7	212.1	116.3	24.4	32.3	78.1
Ottawa	37.0	40.0	13.0	31.3	96.2	40.4
Pawnee	80.6	18.2	166.7	78.1	52.6	76.9
Phillips	72.5	31.7	47.6	54.5	20.0	46.7
Pottawatomie	52.0	26.8	32.0	36.4	34.9	36.2
Pratt	95.5	60.4	60.0	106.7	55.2	75.9
Rawlins	83.3	120.0	35.7	173.9	125.0	103.4
Reno	66.1	78.8	66.7	64.8	57.6	66.8
Republic	41.7	76.9	0.0	31.3	73.2	45.5
Rice	47.9	56.8	29.4	33.3	54.6	44.6
Riley	22.9	21.7	17.8	21.9	16.1	20.1
Rooks	74.1	40.0	21.7	81.6	20.0	48.2
Rush	125.0	38.5	0.0	47.6	40.0	49.2
Russell	120.0	65.8	32.8	75.5	67.8	74.1
Saline	102.9	79.1	65.7	66.7	53.9	73.4
Scott	150.0	100.0	63.8	40.8	60.0	80.5
Sedgwick	91.5	90.8	82.0	71.2	65.2	80.2
Seward	148.1	98.7	108.8	118.7	91.7	113.0
Shawnee	97.7	84.9	78.1	73.5	57.9	78.4
Sheridan	115.4	41.7	55.6	0.0	69.0	56.5
Sherman	183.3	107.1	83.3	96.8	14.5	94.5
Smith	55.6	47.6	0.0	62.5	27.0	38.0
Stafford	177.8	90.9	68.2	265.3	116.3	146.7
Stanton	107.1	76.9	133.3	111.1	0.0	81.1
Stevens	93.3	111.1	101.4	39.5	47.6	78.0
Sumner	111.1	77.8	34.7	99.6	64.9	78.0
Thomas	62.5	41.0	52.4	24.4	45.5	44.7
Trego	0.0	60.6	0.0	157.9	157.9	58.8
Wabaunsee	136.4	127.0	57.1	31.3	46.9	79.5
Wallace	0.0	43.5	0.0	0.0	0.0	12.2
Washington	17.2	17.9	0.0	16.4	32.3	17.2
Wichita	80.0	0.0	43.5	105.3	62.5	60.6
Wilson	136.8	78.7	69.8	61.0	79.5	86.4
Woodson	90.9	0.0	111.1	96.8	137.9	90.9
Wyandotte	135.1	131.7	123.1	120.0	101.4	122.3
Kansas	70.8	62.4	58.6	55.9	47.4	59.1

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

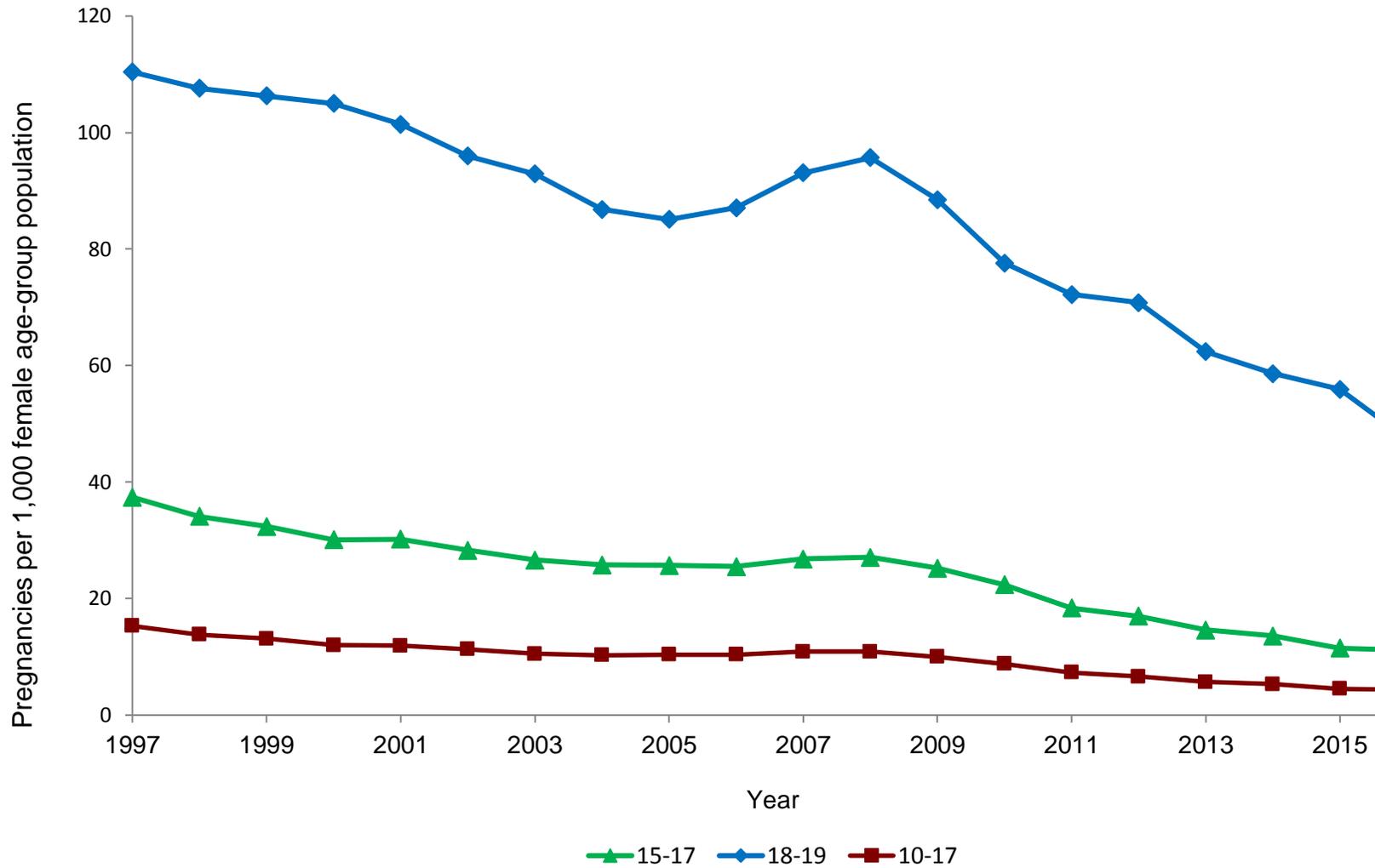
Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Created: 8/24/2016

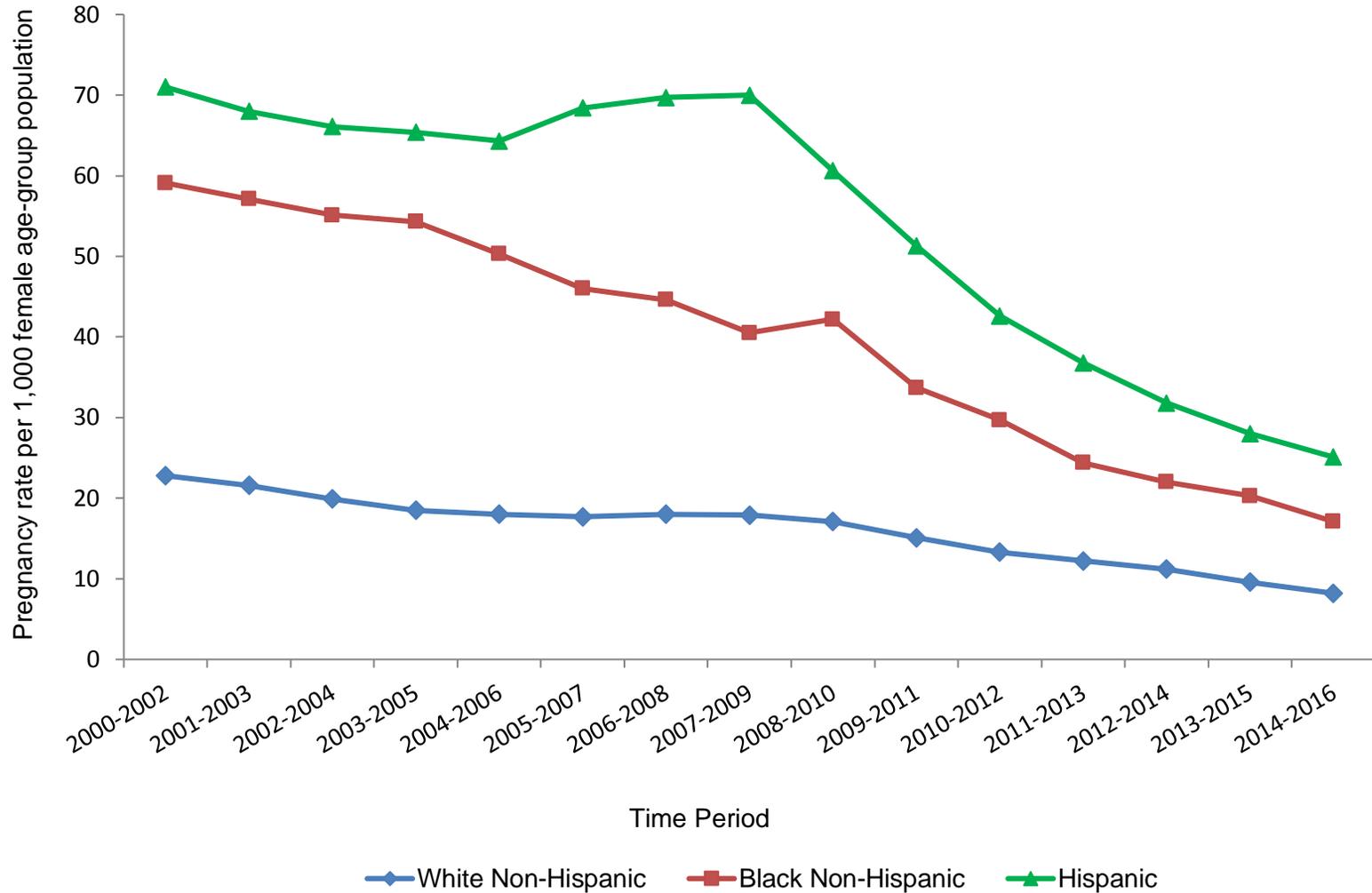
Figure 1. Pregnancy Rates for Selected Female Age-Groups
Kansas 1997-2016



Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

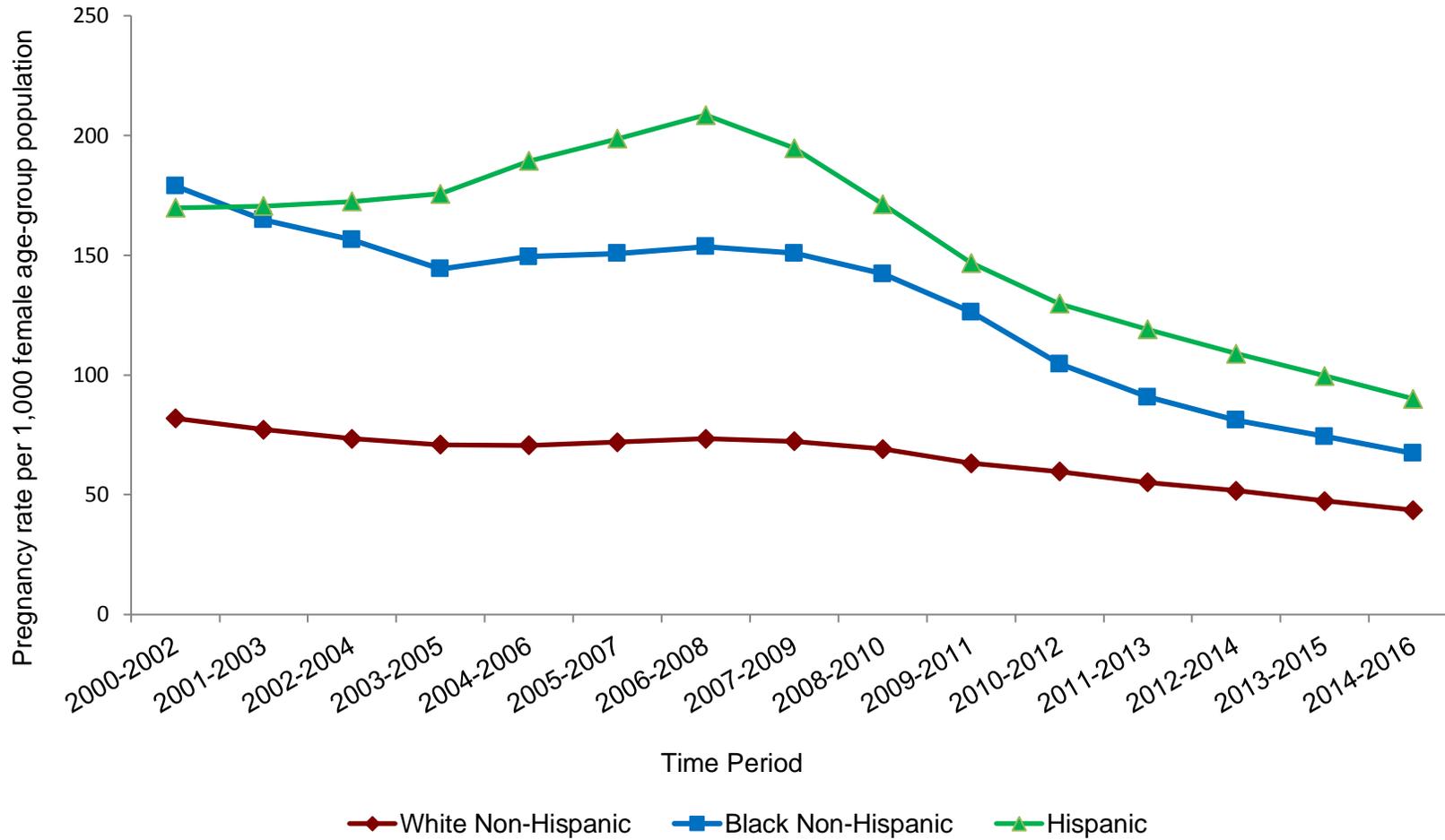
Figure 2. Three Year Rolling Average
Pregnancy Rates for Selected Population Groups
Females Aged 15-17 Years, Kansas, 2000-2016



Residence data

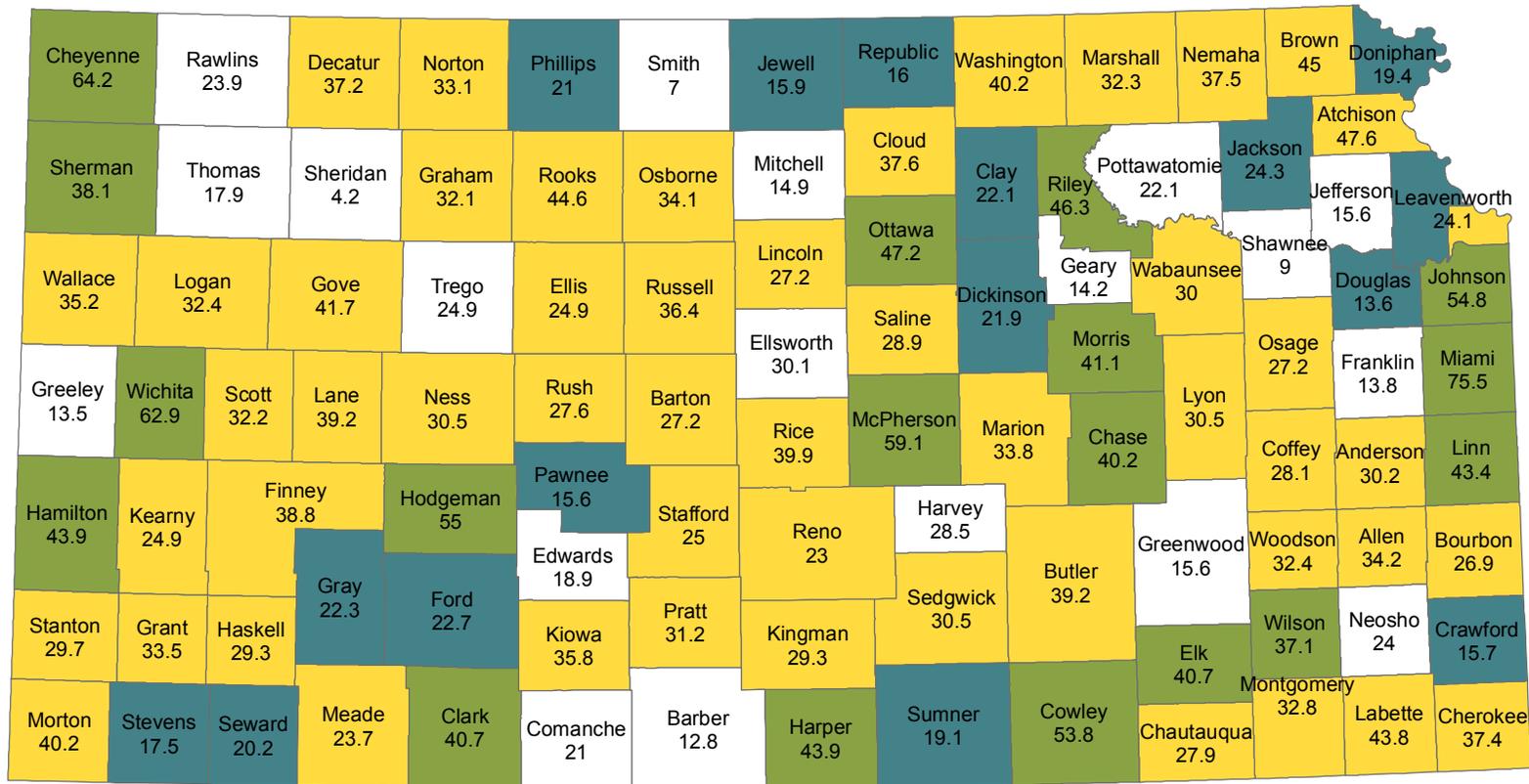
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Figure 3. Three Year Rolling Average
Pregnancy Rates for Selected Population Groups
Females Aged 18-19 Years, Kansas 2000-2016

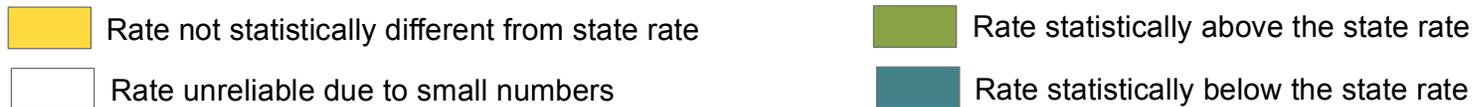


Residence data
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Figure 4. County Pregnancy Rates Relative to State Pregnancy Rate among Females Aged 15-19 Years, Kansas, 2012-2016



State Rate: 31.9 per 1,000 female age-group population



Technical Notes

Abortion (induced termination of pregnancy):	The use or prescription of any instrument, medicine, drug or any other substance or device to termination the pregnancy of a woman known to be pregnant with the intention other than to increase the probability of a live birth, to preserve the life or health of the child after live birth, or to remove a dead unborn child who died as the result of natural causes in utero, accidental trauma or criminal assault on the pregnant woman or her unborn child, and which causes the premature termination of the pregnancy. [K.S.A. 65-6701(a)].
Stillbirth:	Any complete expulsion or extraction from its mother of a product of human conception, the gestation of which is 20 weeks or greater, resulting in other than a live birth, and which is not an induced termination of pregnancy.
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.
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 Components:	A live birth, stillbirth, or abortion occurring to a female under 20 years of age.
Teenage Pregnancy Rate:	$\frac{\text{live births, stillbirths, abortions for females in a specific age-group}}{\text{female population in the same specific age-group}} \times 1,000$

Rate Reliability

Vital statistics are easily influenced by random variation, and single-year rates can fluctuate from year to year. A multiple-year rate, such as a 5-year rate calculated as the sum of the numerators in each year divided by the sum of the denominators in each year and multiplied by 1,000 would be more accurate in formulating conclusions on vital events. For example, between 2011 and 2015, the adolescent and teen pregnancy rate for Kansas varied from 20.9 to 14.8 pregnancies per 1,000 females aged 10-19 years population. The 2011-2015 5-year teenage pregnancy rate was 17.7 (Table 5). The 5-year rate decreases the variability in single-year rate comparisons and is a more reliable indicator of teenage pregnancy rates in Kansas.

A small increase or decrease in the number of events in a small geographic area can have a major impact on a population-based rate. For example, in 2015 Stanton County had three pregnancies among women aged 10-19 and a population of 137 females

aged 10-19 years. Johnson County had 262 pregnancies among women aged 10-19 and a population of 38,719 females aged 10-19 years of age. The Stanton County rate was 21.9 pregnancies per 1,000 female age-group population, while the Johnson County rate was 6.8. Had five more pregnancies occurred to women aged 10-19 in each county, the Stanton County rate would have increased almost threefold to 58.4 pregnancies per 1,000 female age-group population, and the Johnson County rate, by comparison, would have increased fractionally to 6.9 pregnancies per 1,000 female age-group population. Readers should use caution to avoid misleading conclusions when comparing rates of vital events between geographic areas with significantly different populations.

Unknowns

County of residence is collected for all vital events that occur in Kansas. However, some states that share vital event data with Kansas may not collect the county of residence (this is the case with several states that collect abortion data), or may not include it in their data export to the KDHE Office of Vital Statistics. Events for which the county of residence is not known are included in the state total and in the “not stated” row in tables that break down pregnancy outcomes by county.

Population

1988-1989, 1991-1999, 2001-2009 and 2011-2015 female age-group population estimates and actual population counts for 1990, 2000 and 2010 were obtained from the U.S. Census Bureau on the Internet at: <http://www.census.gov/popest/estimates.php>. The 2001 female age-group population estimates were compiled by the Kansas Department of Health and Environment based on the 2000 Census counts.

2003-2015 female age-group county population estimates were obtained from the Bridged-race Vintage 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016 post-censal series by year, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement between the National Center for Health Statistics (NCHS) and the U.S. Census Bureau. The population data are at the Centers for Disease Control and Prevention website at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

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 densities based on their 2000 or 2010 actual census counts. In order to facilitate a time series comparison, the assignment of counties to their peer group remains unchanged until the next decennial census. They will not necessarily have similar values for any other indicators. 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 definitions originated with the Kansas Department of Health and Environment,

Office of Local and Rural Health, and should *not* be confused with the U.S. Census Bureau's (USCB) definitions of urban and rural areas. Sources for calculation of population densities are population figures from the 2000 U.S. Census and land areas from the 2000 U.S. Census (for years before 2010). For 2010, populations and land areas were taken from the 2010 U.S. Census.

Counties are grouped in population density peer groups as follows:

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

Statistical Significance

The following methods have been applied where statistically significant differences have been noted in the document. When Kansas data are evaluated by county, small numbers of events may affect rate reliability. The relative standard error was used to determine if the number of events was large enough to calculate stable rates. Values with a relative standard error of 30 percent or less were considered reliable. This is consistent with standard National Center for Health Statistics (NCHS) practice [1, 2].

Statistical significance was determined using confidence intervals calculated at the 95 percent level. When the number of events was greater than or equal to 100, the normal distribution was used. When the number of events was less than 100 the poisson distribution was used. This is the scientific standard estimation of significance. If confidence intervals do not overlap, the difference between the rates is statistically significant [3].

1. Mathews TJ, MacDorman MF. (2010). Infant mortality statistics from the 2006 period linked birth/infant death data set. National Vital Statistics Reports; vol 58 no 17. Hyattsville, MD: National Center for Health Statistics. 2010.
2. Cohen RA, Martinez, ME. (2009). Consumer-directed health care for persons under 65 years of age with private health insurance: United States, 2007. NCHS data brief, no. 15. Hyattsville, MD: National Center for Health Statistics, pg. 8.
3. Washington State Health Department. (2006). Guidelines for using confidence intervals for public health assessment. [Cited: 16 Dec 2011], Available from <http://www.doh.wa.gov/data/Guidelines/guidelines.htm>

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 <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Delivery <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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 <u>one</u> 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 – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord			
<input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____		Fetal Anomaly (Specify) _____	
Fetal Injury (Specify) _____		Fetal Infection (Specify) _____	
Other Fetal Conditions/Disorders (Specify) _____		<input type="checkbox"/> 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 – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord			
<input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____		Fetal Anomaly (Specify) _____	
Fetal Injury (Specify) _____		Fetal Infection (Specify) _____	
Other Fetal Conditions/Disorders (Specify) _____		<input type="checkbox"/> Unknown	
26. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death		27a. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	27b. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned
		27c. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> 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) _____ <input type="checkbox"/> CNM/CM <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____
31. CERTIFIER'S NAME AND TITLE (Type) <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Other (Specify) _____		32. CERTIFIER'S MAILING ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)	
		33a. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Donation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Removal from State <input type="checkbox"/> 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)	

CONFIDENTIAL INFORMATION FOR INTERNAL USE ONLY

37. IF HOME DELIVERY, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			38. MOTHER'S MEDICAL RECORD NO.		
39a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		39b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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.)			41. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)		
40a. MOTHER-		40b. FATHER-		41a. MOTHER	
<input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____ <input type="checkbox"/> Unknown		<input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown		<input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown	
42. ANCESTRY - What is the parents' ancestry or ethnic origin? - Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)			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		44a. FATHER'S EDUCATION			
<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 9 th - 12 th grade, no diploma <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
45. PREVIOUS LIVE BIRTHS (Do not include this child.)		46. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)		47. PLURALITY - Single, Twin, Triplet, etc. (Specify)	
45a. Now living Number _____ <input type="checkbox"/> None	45b. Now dead Number _____ <input type="checkbox"/> None	46a. Before 20 weeks Number _____ <input type="checkbox"/> None	46b. 20 weeks & over Number _____ <input type="checkbox"/> None	48. IF NOT A SINGLE BIRTH - Born First, Second, Third, etc. (Specify)	
45c. DATE OF LAST LIVE BIRTH (Month, Year)		46c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		49. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	
				50. OBSTETRIC ESTIMATE OF GESTATION (Completed Weeks)	
52. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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 <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other <input type="checkbox"/> Unknown		
			58a. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)		58b. FACILITY TRANSFERRED FROM:

CHILD'S NAME _____
VS233 Rev. 05/01/2010

MOTHER'S NAME _____

PRENATAL	LABOR-DELIVERY/STILLBORN FETUS
<p>59. NUTRITION OF MOTHER</p> <p>1. Height _____</p> <p>2. Prepregnancy Weight _____</p> <p>3. Weight at delivery _____</p> <p>4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____</p> <p>60. MEDICAL RISK FACTORS (Check all that apply.)</p> <p>1. <input type="checkbox"/> Diabetes, prepregnancy</p> <p>2. <input type="checkbox"/> Diabetes, gestational</p> <p>3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia</p> <p>4. <input type="checkbox"/> Previous preterm birth</p> <p>5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.)</p> <p>6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor</p> <p>7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</p> <p>8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many Number _____</p> <p>9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____</p> <p>10. <input type="checkbox"/> None of the above</p> <p>61. METHOD OF DELIVERY</p> <p>1. Forceps attempted? Yes _____ No _____ Successful: Yes _____ No _____</p> <p>2. Vacuum extraction attempted? Yes _____ No _____ Successful: Yes _____ No _____</p> <p>3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other</p> <p>4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____</p> <p>5. Hysterotomy/Hysterectomy Yes _____ No _____</p>	<p>62. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.)</p> <p>1. <input type="checkbox"/> Maternal transfusion</p> <p>2. <input type="checkbox"/> Third or fourth degree perineal laceration</p> <p>3. <input type="checkbox"/> Ruptured uterus</p> <p>4. <input type="checkbox"/> Unplanned hysterectomy</p> <p>5. <input type="checkbox"/> Admission to intensive care unit</p> <p>6. <input type="checkbox"/> Unplanned operating room procedure following delivery</p> <p>7. <input type="checkbox"/> None of the above</p> <p>63. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.)</p> <p>1. <input type="checkbox"/> Gonorrhea</p> <p>2. <input type="checkbox"/> Syphilis</p> <p>3. <input type="checkbox"/> Herpes Simplex Virus (HSV)</p> <p>4. <input type="checkbox"/> Chlamydia</p> <p>5. <input checked="" type="checkbox"/> Listeria</p> <p>6. <input type="checkbox"/> Group B Streptococcus</p> <p>7. <input type="checkbox"/> Cytomeglovirus</p> <p>8. <input type="checkbox"/> Parvo virus</p> <p>9. <input type="checkbox"/> Toxoplasmosis</p> <p>10. <input type="checkbox"/> AIDS or HIV antibody</p> <p>11. <input type="checkbox"/> None of the above</p> <p>12. <input type="checkbox"/> Other (Specify) _____</p> <p>64. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)</p> <p>1. <input type="checkbox"/> Anencephaly</p> <p>2. <input type="checkbox"/> Meningocele/Spina bifida</p> <p>3. <input type="checkbox"/> Cyanotic congenital heart disease</p> <p>4. <input type="checkbox"/> Congenital diaphragmatic hernia</p> <p>5. <input type="checkbox"/> Omphalocele</p> <p>6. <input type="checkbox"/> Gastroschisis</p> <p>7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)</p> <p>8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate</p> <p>9. <input type="checkbox"/> Cleft Palate alone</p> <p>10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending</p> <p>11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending</p> <p>12. <input type="checkbox"/> Hypospadias</p> <p>13. <input type="checkbox"/> Fetal alcohol syndrome</p> <p>14. <input type="checkbox"/> Other congenital anomalies (Specify) _____</p> <p>15. <input type="checkbox"/> None of the above</p>

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: _____

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 <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Birth <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> 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 _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____		
13. Certifier's Name and Title (Type) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Hosp Adm. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> NO		30. IMMUNIZATION REGISTRY I wish to enroll my child in the Immunization Registry <input type="checkbox"/> YES <input type="checkbox"/> 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)	

34. IF HOME BIRTH, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
35. MOTHER'S SOCIAL SECURITY NUMBER	36. FATHER'S SOCIAL SECURITY NUMBER
37a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
37b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
37c. IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED? <input type="checkbox"/> Yes <input type="checkbox"/> No	
37d. MOTHER REFUSES TO GIVE HUSBAND'S INFORMATION <input type="checkbox"/> Yes <input type="checkbox"/> No	
38. WHAT IS THE PRIMARY LANGUAGE SPOKEN IN THE HOME? <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Vietnamese <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Russian <input type="checkbox"/> Ukrainian <input type="checkbox"/> Mandarin <input type="checkbox"/> Cantonese <input type="checkbox"/> Sign Language <input type="checkbox"/> 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 <input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____ <input type="checkbox"/> Unknown	39b. FATHER <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown
40. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)	
40a. MOTHER <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown	40b. FATHER <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> 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)
41b. FATHER	42b. FATHER (Usual)
42c. MOTHER	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 <input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	<input type="checkbox"/> 9 th - 12 th grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
43b. FATHER'S EDUCATION <input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)	<input type="checkbox"/> 9 th - 12 th grade; no diploma <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
44. PREVIOUS LIVE BIRTHS (Do not include this child.)	45. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)
44a. Now living Number _____ <input type="checkbox"/> None	44b. Now dead Number _____ <input type="checkbox"/> None
44c. DATE OF LAST LIVE BIRTH (Month, Year)	44d. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)
45a. Before 20 weeks Number _____ <input type="checkbox"/> None	45b. 20 weeks & over Number _____ <input type="checkbox"/> None
46. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> 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)
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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
56. IS INFANT BEING BREAST-FED AT DISCHARGE? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	58. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown
57. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	59. MOTHER'S MEDICAL RECORD NO.
60. NEWBORN'S MEDICAL RECORD NO.	61. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)
62. INFANT TRANSFERRED (Within 24 hours of delivery) <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)	FACILITY TRANSFERRED TO:
FACILITY TRANSFERRED FROM:	

CHILD'S NAME _____

MOTHER'S NAME _____

PRENATAL (Birth)	LABOR-DELIVERY/NEWBORN				
63. NUTRITION OF MOTHER 1. Height _____ 2. Prepregnancy Weight _____ 3. Weight at delivery _____ 4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____	66. OBSTETRICAL PROCEDURES (Check all that apply.) 1. <input type="checkbox"/> Cervical cerclage 2. <input type="checkbox"/> Tocolysis 3. External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed 4. <input type="checkbox"/> None of the above	70. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.) 1. <input type="checkbox"/> Gonorrhea 2. <input type="checkbox"/> Syphilis 3. <input type="checkbox"/> Herpes Simplex Virus (HSV) 4. <input type="checkbox"/> Chlamydia 5. <input type="checkbox"/> Hepatitis B 6. <input type="checkbox"/> Hepatitis C 7. <input type="checkbox"/> AIDS or HIV antibody 8. <input type="checkbox"/> None of the above			
	64. MEDICAL RISK FACTORS (Check all that apply.) 1. <input type="checkbox"/> Diabetes, prepregnancy 2. <input type="checkbox"/> Diabetes, gestational 3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia 4. <input type="checkbox"/> Previous preterm birth 5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.) 6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor 7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many? Number: _____ 9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____ 10. <input type="checkbox"/> None of the above	67. ONSET OF LABOR (Check all that apply.) 1. <input type="checkbox"/> Premature Rupture of the Membranes (prolonged, ≥ 12 hours) 2. <input type="checkbox"/> Precipitous Labor (< 3 hrs) 3. <input type="checkbox"/> Prolonged Labor (≥ 20 hrs) 4. <input type="checkbox"/> None of the above	71. ABNORMAL CONDITIONS OF NEWBORN (Check all that apply) 1. <input type="checkbox"/> Assisted ventilation required immediately following delivery 2. <input type="checkbox"/> Assisted ventilation required for more than six hours 3. <input type="checkbox"/> NICU admission 4. <input type="checkbox"/> Newborn given surfactant replacement therapy 5. <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis 6. <input type="checkbox"/> Seizure or serious neurologic dysfunction 7. <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention) 8. <input type="checkbox"/> 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 <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other 4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____	68. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply.) 1. <input type="checkbox"/> Induction of labor 2. <input type="checkbox"/> Augmentation of labor 3. <input type="checkbox"/> Non-vertex presentation 4. <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery 5. <input type="checkbox"/> Antibiotics received by the mother during labor 6. <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature ≥ 38 C (100.4 F) 7. <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid 8. <input type="checkbox"/> Fetal intolerance of labor: (examples: in-utero resuscitative measures, further fetal assessment, or operative delivery) 9. <input type="checkbox"/> Epidural or spinal anesthesia during labor 10. <input type="checkbox"/> None of the above	72. VACCINES ADMINISTERED TO NEWBORN 1. <input type="checkbox"/> Hepatitis B Date Given: _____ 2. <input type="checkbox"/> Other* Specify: _____ Date Given: _____			
	69. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.) 1. <input type="checkbox"/> Maternal transfusion 2. <input type="checkbox"/> Third or fourth degree perineal laceration 3. <input type="checkbox"/> Ruptured uterus 4. <input type="checkbox"/> Unplanned hysterectomy 5. <input type="checkbox"/> Admission to intensive care unit 6. <input type="checkbox"/> Unplanned operating room procedure following delivery 7. <input type="checkbox"/> None of the above	73. APGAR SCORE <table border="1"> <tr> <td>1 min</td> <td>5 min</td> <td>10 min</td> </tr> </table>		1 min	5 min
1 min	5 min	10 min			
		74. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.) 1. <input type="checkbox"/> Anencephaly 2. <input type="checkbox"/> Meningocele/Spina bifida 3. <input type="checkbox"/> Cyanotic congenital heart disease 4. <input type="checkbox"/> Congenital diaphragmatic hernia 5. <input type="checkbox"/> Omphalocele 6. <input type="checkbox"/> Gastroschisis 7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) 8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate 9. <input type="checkbox"/> Cleft Palate alone 10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 12. <input type="checkbox"/> Hypospadias 13. <input type="checkbox"/> Fetal alcohol syndrome 14. <input type="checkbox"/> Other congenital anomalies (Specify) _____ 15. <input type="checkbox"/> None of the above			

Parent's Telephone Number: _____

CHILD'S NAME _____

MOTHER'S NAME _____

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

Infant's Primary Care Physician

First	Middle	Last	Title (MD, DO, etc.)
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<p>If screening accomplished, Date hearing screened _____</p> <p>Month / Day / Year</p>	<p>The results of the hearing screening ✓:</p> <p>Right ear: _____ Pass _____ Refer for further testing Left ear: _____ Pass _____ Refer for further testing</p>
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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

TYPE
OR
PRINT IN
PERMANENT
INK

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

INSTRUCTIONS SEE HANDBOOK

1. Provider Identification Number			
2. Patient ID Number	3. Age on Last Birthday	4. Married <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date of Pregnancy Termination Month: <input type="text"/> <input type="text"/> Day: <input type="text"/> <input type="text"/> Year: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
6a. Residence US State or Country	6b. County	6c. City or Town	6d. Inside City Limits <input type="checkbox"/> Yes <input type="checkbox"/> No
7a. Hispanic Origin <i>(Check the box or boxes that best describes whether the individual is Spanish, Hispanic, or Latina, or not Spanish, Hispanic, or Latina)</i> <input type="checkbox"/> Not Spanish, Hispanic, or Latina <input type="checkbox"/> Mexican, Mexican American, or Chicana <input type="checkbox"/> Puerto Rican <input type="checkbox"/> Cuban <input type="checkbox"/> Central American <input type="checkbox"/> South American <input type="checkbox"/> Other Spanish, Hispanic, or Latina (specify) _____ <input type="checkbox"/> Unknown	7b. Ancestry <i>(Enter the name of the country that best describes the heritage or origin of the individual)</i>	8. Race <i>(Check one or more races to indicate what the individual considers herself to be)</i> <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native Principal Tribe(s) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (specify) _____ <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Unknown	9. Education <i>(specify only highest grade completed)</i> <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th-12th grade no diploma <input type="checkbox"/> High school graduate/GED <input type="checkbox"/> Some College - no degree <input type="checkbox"/> Associate degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Master's degree <input type="checkbox"/> Doctorate <input type="checkbox"/> Unknown
10. Date Last Normal Menses Began Month: <input type="text"/> <input type="text"/> Day: <input type="text"/> <input type="text"/> Year: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	11. Clinical Estimate of Gestation <i>(Weeks) (1)</i>	12. Previous Pregnancies <i>(Enter number or zero in every section)</i>	
		Live Births	
		12a. Now Living	12b. Now Dead
		12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)
13 TERMINATION PROCEDURES			
13a Procedure that terminated pregnancy <i>(Check only one)</i> <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____		13b Additional procedures used for this termination, if any <i>(Check all that apply)</i> <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> 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 <input type="checkbox"/> NO <input type="checkbox"/>			

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

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 17a-c only if 16a 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 19a-b only if 18a 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