



Adolescent and Teenage  
Pregnancy Report  
Kansas, 2011

Research  
Summary

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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 9.5 percent from 2010 to 2011. Rates among females aged 15-17 and 18-19 also dropped. The rate of pregnancies among females aged 10-14 increased slightly from 0.6 in 2010 to 0.7 in 2011.

Kansas pregnancy rates among females 15-17 years of age (18.4 per 1,000) compares favorably with the Healthy People 2020 national target of 36.2 pregnancies per 1,000 age group specific female population. The state pregnancy rate for females aged 18-19 (72.2 per 1,000 age group specific population) also compares favorably with the Healthy People 2020 national target of 105.9 pregnancies per 1,000 age group female population.

While Kansas has exceeded the national targets for the teen pregnancy rates, the state's birth rate for females aged 15-19 remains higher than the national rate. While teen birth rates for both Kansas and the U.S. have been declining since 2008, the gap between Kansas and U.S. rates continue. In 2011, the Kansas rate was 35.4 births per 1,000 age group Kansas female population compared to the preliminary U.S. rate of 31.3 per 1,000 age group U.S. female population.

Inequities continue to exist among population groups in Kansas. For example, pregnancy rates for Black non-Hispanic and Hispanic teens between the aged of 10-17 were about two times higher than the rate for White non-Hispanics of the same age group in 2011. However, Black non-Hispanic and Hispanic disparities in pregnancy and birth rates compared to White non-Hispanic rates have decreased in 2011 compared to 2010.

## 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 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 U.S. Centers for Disease Control and Prevention 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 population and females aged 18-19 to 105.9 [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 programs provide comprehensive case management services to pregnant and/or parenting adolescents in Kansas communities. The Abstinence Education Program concentrates mentoring and teen pregnancy prevention training of foster care parents and children in foster care. Education, resources and support services for youth and their families include: a) website (<http://gonnawait.org>), b) social media development and use, c) proven effective curricula development and implementation, and d) educational programs in school and community settings [7]. 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 births 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. Births to Kansas residents that occurred in other states are received via Interstate 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 Certificate. Data collected since 2005 are based on the standard certificate 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 2011. The analytical file is considered 99.99 percent complete.

All birth records undergo a two-step quality improvement process. First, Office of Vital Statistics staff manually review paper certificates for missing or illogical information. The Vital Statistics Data Analysis section 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, 2011* for more information [9].

Statistical tabulations were created using SAS software 9.3. Some of the tables contained in this report are also included in the *Kansas Annual Summary of Vital Statistics, 2011*. 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, 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 so noted in the Results and Discussion section.

For 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 rate. 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 denominator the female population estimates for the age group represented in the numerator.

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 better or worse 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 distinctive dimensions: adequacy of initiation of PNC and adequacy of received services once care has begun. The APNCU – through the categories of inadequate, intermediate, adequate, and adequate plus – characterizes the adequacy of

pregnancy-related health services provided to a woman between conception and delivery. The index does not assess the quality of prenatal care delivered [10].

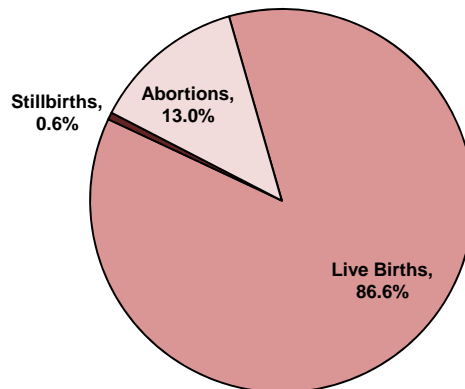
## Results and Discussion

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 9.4 percent (4,095) of the 43,762 pregnancies in 2011. Of those pregnancies, 86.6 percent resulted in a live birth (3,545), 13.0 percent in abortion (534), and the remainder in stillbirths (16) (Figure A, Table 1).

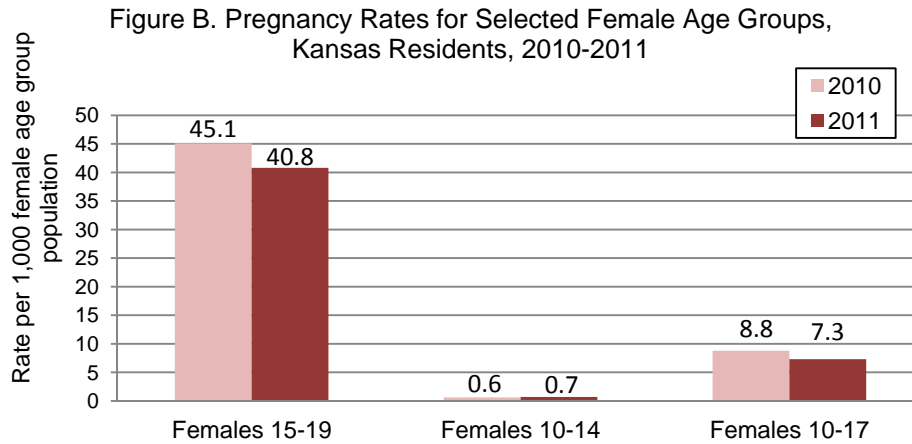
The pregnancy rate for females aged 10-19 was 20.9 per 1,000 age group specific female population in 2011, down 9.5 percent from 2010 (23.1) (Table 2).

Figure A. Pregnancy Outcomes among Females Aged 10-19 Years, Kansas, 2011



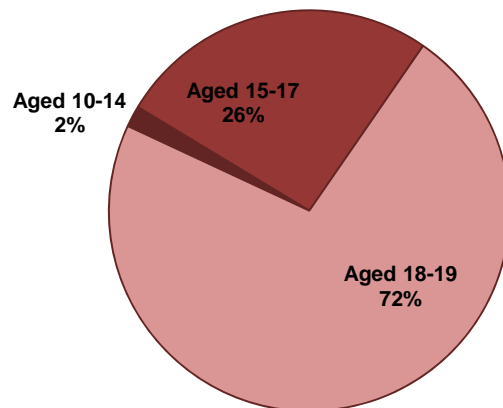
The pregnancy rate for females aged 10-17 dropped 17.0 percent to 7.3 per 1,000 age specific female population in 2011 from 8.8 in 2010. The 2011 rate for females aged 15-19, 40.8 per 1,000, dropped 9.5 percent from the 2010 rate of 45.1. The rate for females aged 10-14 in 2011 was 0.7 per 1,000, a slight increase from the 2010 rate of 0.6 (Figure B, Table 2).





Seven out of 10 pregnant adolescents and teens were 18-19 years of age, while two percent were 10-14 years of age and 26 percent were 15-17 years of age (Figure C).

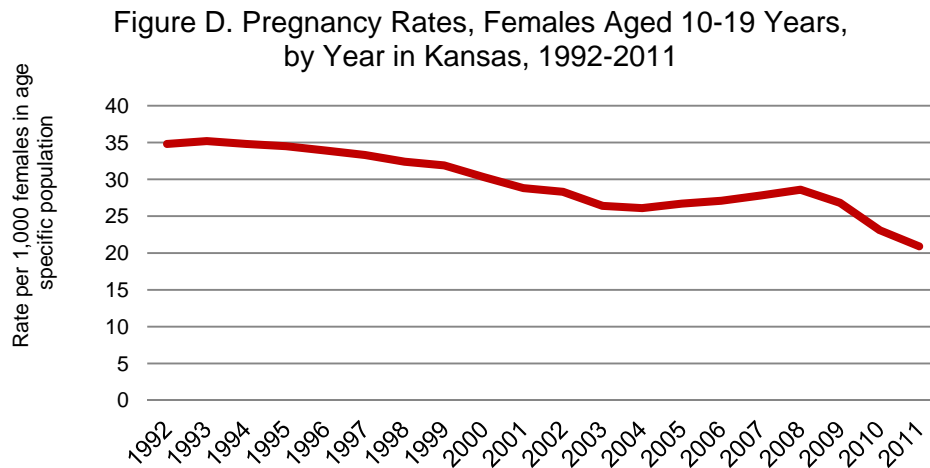
Figure C. Percentage of Pregnancies by Female Age Group, Kansas, 2011



The Kansas teenage pregnancy rates for females 15-19 years of age decreased 43.8 percent between 1992 and 2011. Teen pregnancy rates for females aged 10-17 decreased 52.6 percent during this same time period (Table 2, Figure 1).

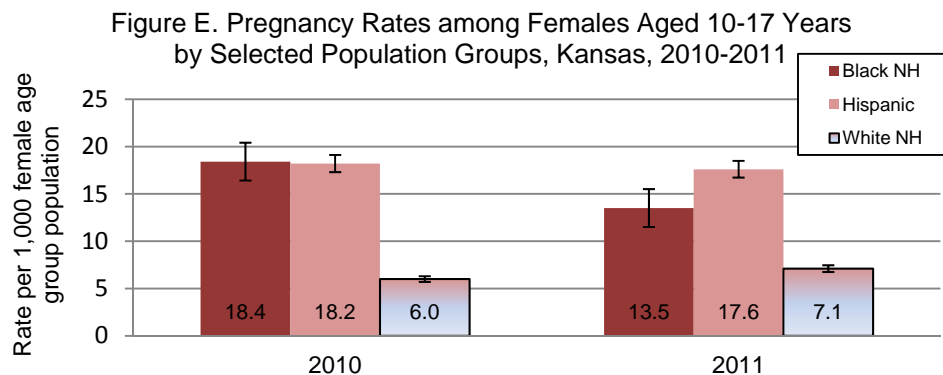
## Trends 2011

The number and single year rate of adolescent and teenage pregnancies (10-19) decreased in 2011, continuing the decline that began in 2009 after a series of increases in the 2004-2008 period. The longer term trend is also downward. Teenage pregnancy rates (aged 10-19) dropped 39.9 percent overall during the past two decades (1992-2011) (Figure D).

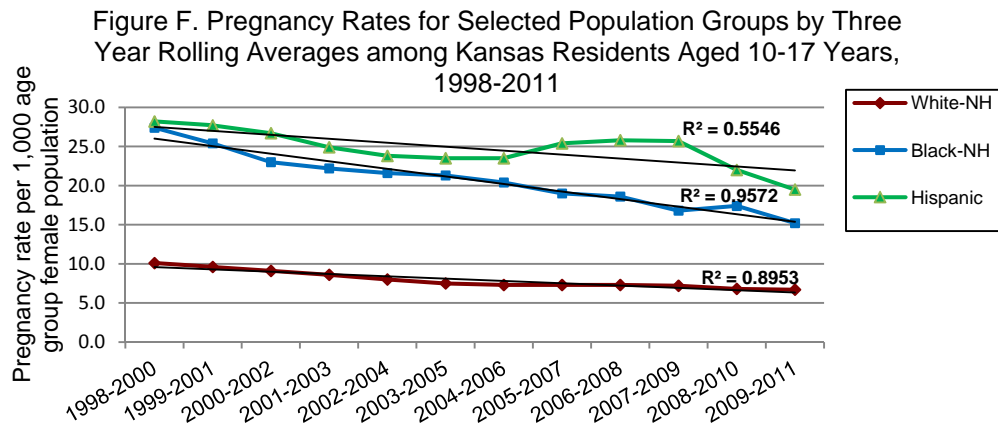


Pregnancy rates for Black non-Hispanic and Hispanic adolescents and teens 10-17 years of age were about three times the pregnancy rate of White non-Hispanic teens in 2010. In 2011, Black non-Hispanic and Hispanic teen pregnancy rates decreased by 26.6 percent and 3.3 percent, respectively. Black non-Hispanic and Hispanic pregnancy rates were about twice the pregnancy rate of White non-Hispanic adolescents and teens (Figure E, Table 3).

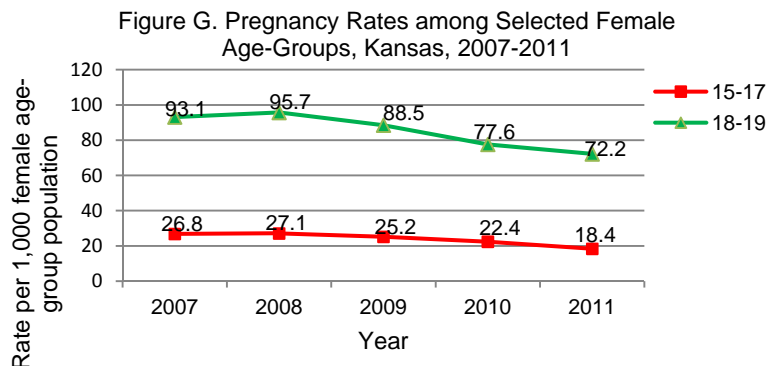
Among population groups, both pregnancy and birth rates significantly decreased from 2010 to 2011 among Black non-Hispanic adolescents and teens aged 10-17. The decrease in the pregnancy rate among Hispanic adolescents was not significant, while the pregnancy rate among White non-Hispanic adolescents and teens in this age group increased slightly, but significantly. The pregnancy rate of older teens (18-19) among these three population groups increased significantly from 2010 to 2011, ( $p < .05$ ), (Table 7).



Three year rolling averages from 1998 through 2011 show strong declining trends in pregnancy rates among Black and White non-Hispanic adolescents 10-17 years of age,  $R^2=.95$  and  $R^2=.89$ , respectively (the closer  $R^2$  is to 1.00, the stronger the trend) and a moderate declining trend among Hispanic adolescents aged 10-17,  $R^2=.55$  (Figure F).



Pregnancy rates among females 15-17 years of age, (18.4 per 1,000 female age group population) and females aged 18-19 (72.2 per 1,000 age group population) were the lowest rates in five years for both age-groups, with a steady decline from 2008-2011. Both rates compare favorably with the Healthy People 2020 national targets of 36.2 pregnancies per 1,000 age group specific female population and 72.2 per 1,000 age group specific population, respectively (Figure G).



### Geographic Detail

Five year county pregnancy rates for females aged 15-19 were compared to the state rate and tested for significant differences. Rates for 29 counties were statistically higher than the state rate, and 17 counties were statistically lower than the state rate. Rates for 47 counties were not statistically different from the state rate, while the number of pregnancies among adolescents and teens in 12 counties was too small for reliable rate comparisons (Figure 2).

Five year pregnancy rates for females aged 15-19 ranged from a low of 7.3 per 1,000 age specific female population in Gove County to a high of 101.6 per 1,000 age specific

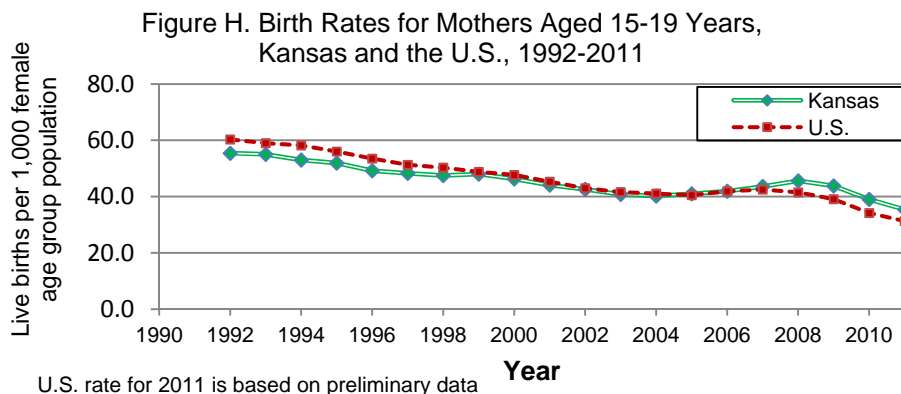
female population in Seward County (Table 4, Figure 2). These rates were compared to the five-year state rate of 40.9 per 1,000 female age group population. The number of teen pregnancies in Gove county, however, were too few for the rate to be considered reliable. Therefore, Nemaha county had the lowest reliable rate of 15.3 and was significantly lower than the state rate, ( $p < .05$ , CI 9.9-22.6; 40.4-41.4), while the Seward county rate was significantly higher than the state rate, ( $p < .05$ , CI 91.7-111.5; 40.4-41.4).

In 2011, densely-settled rural counties had the highest pregnancy rates for 10-19 year old females (25.6), followed by semi-urban (20.7) and urban (20.2) counties (Table 1).

The five-year (2007-2011) teen pregnancy rate for Kansas resident females 10-19 years of age was 25.4 per 1,000 age group specific female population. The lowest five-year rate in the state was in Gove County with 3.5 pregnancies per 1,000 females 10-19 years of age. The highest rates were in Wyandotte and Geary Counties with 48.4 pregnancies per 1,000 females 10-19 years of age (Table 5).

### **Birth Rates**

In 2011 the birth rate for Kansas mothers aged 15-19 (35.4 per 1,000 age specific female population) dropped by 9.2 percent from 2010 (39.0 per 1,000 age specific female population). During the 20-year period from 1992 to 2011 birth rates of Kansas mothers 15-19 years of age decreased by 36.1 percent (Figure H). For 13 years (1992 – 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. The Kansas rate in 2011 is higher than the U.S. rate by a difference of 4.1 percentage points [11].



### **Adequacy of Prenatal Care**

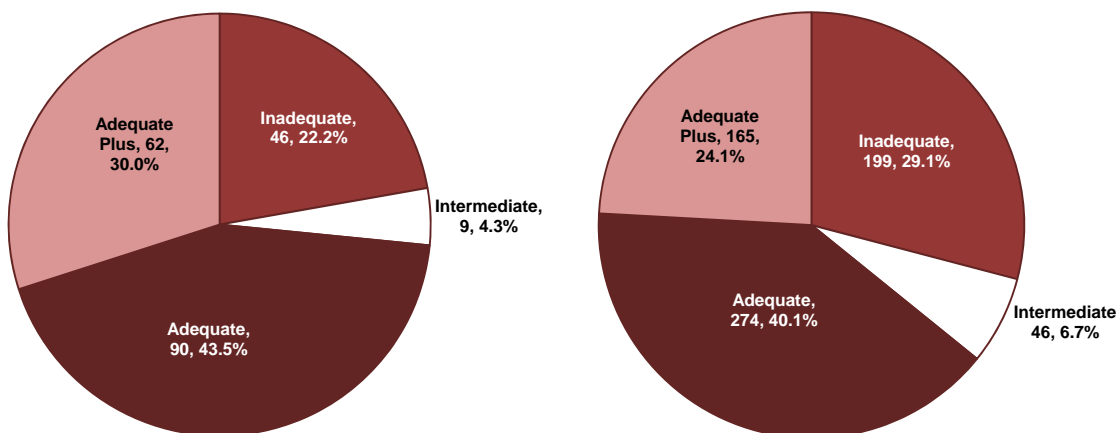
Adequacy of prenatal care was examined for adolescents/teens aged 10-17 years by primary payor. Inadequate prenatal care levels were lower in 2011 among adolescents for whom the primary pay source for delivery was private insurance or TRICARE (22.2%) than for adolescents with Medicaid or other pay sources (29.1%) (Figure I). The disparity was greater when inadequate and intermediate care were combined. Fewer mothers under the age of 18 had inadequate or intermediate level prenatal care when private insurance or TRICARE was the primary payor (26.5%) than when Medicaid or

some other agency was the primary payor (35.8%). Of the 1,133 live births to Kansas mothers aged 10-17, 242 births had insufficient data for APNCU index calculation.

Figure I. Adequacy of Prenatal Care by Selected Payors among Adolescents Aged 10-17 Years who had Live Births, Kansas, 2011

a. Private insurance or TRICARE

b. Other Payors\*



\*Other payors include Medicaid, other government, self pay, Indian Health Services, other payor and unknown payor.

## Conclusions

Pregnancies continued to decline among Kansas females aged 10-19 in 2011. Declines were seen in two age groups (15-17 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, respectively [6]. A slight rate increase was seen in the 10-14 year age group from 2010 to 2011 (Table 1). Furthermore, the national birth rate for teens 15-19 fell by 8.5 percent according to preliminary 2011 figures released by the National Center for Health Statistics, while the Kansas birth rate decreased by 9.5 percent [11].

Birth rates among White non-Hispanic and Hispanic adolescents and teens aged 10-17 years decreased significantly from 2010-2011. While Black non-Hispanic adolescent and teen birth rates and pregnancy rates declined significantly in 2011 from 2010, the rates were both almost twice the birth and pregnancy rates of White non-Hispanic adolescents and teens in the same age group (Table 3).

Hispanic adolescents and teens had the highest pregnancy and birth rates compared with both White non-Hispanic and Black non-Hispanic 10-17 year olds in 2011 (Table 3). Pregnancy rates among older teens 18-19 years of age increased significantly from 2010 to 2011 among Hispanic, Black non-Hispanic and White non-Hispanics (Table 7).

Pregnant women who receive inadequate 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]. Disparities were found among 10-17 year olds receiving less than adequate or inadequate prenatal care when private insurance or TRICARE was the primary payor

vs. Medicaid and other agencies as the primary payor. Adolescents with private insurance or TRICARE had lower percentages of inadequate or less than adequate care than those with Medicaid and other agencies as payor.

## 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. Pregnancies\* among Females Aged 10-19 Years, by Component, by County of Residence and Peer Group, Kansas, 2011**

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Female Population		Teenage† Pregnancy Rate		Teenage† Preg. Rate
	Age-Group		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	10-19	10-14	15-19	10-14	15-19	10-19
Allen	0	15	0	0	0	1	0	16	16	407	475	0.0	33.7	18.1
Anderson	0	11	0	0	0	1	0	12	12	274	244	0.0	49.2	23.2
Atchison	0	25	0	0	0	4	0	29	29	522	824	0.0	35.2	21.5
Barber	0	4	0	0	0	0	0	4	4	128	155	0.0	25.8	14.1
Barton	0	49	0	1	0	4	0	54	54	916	962	0.0	56.1	28.8
Bourbon	0	28	0	0	0	4	0	32	32	499	488	0.0	65.6	32.4
Brown	0	22	0	0	0	1	0	23	23	325	306	0.0	75.2	36.5
Butler	0	42	0	0	0	11	0	53	53	2562	2,454	0.0	21.6	10.6
Chase	0	1	0	0	0	0	0	1	1	95	73	0.0	13.7	6.0
Chautauqua	0	5	0	0	0	0	0	5	5	102	102	0.0	49.0	24.5
Cherokee	0	41	0	0	0	1	0	42	42	759	673	0.0	62.4	29.3
Cheyenne	0	1	0	0	0	1	0	2	2	66	64	0.0	31.3	15.4
Clark	0	3	0	0	0	0	0	3	3	73	68	0.0	44.1	21.3
Clay	0	11	0	0	0	2	0	13	13	263	278	0.0	46.8	24.0
Cloud	0	10	0	0	0	0	0	10	10	287	356	0.0	28.1	15.6
Coffey	0	4	0	0	0	2	0	6	6	304	281	0.0	21.4	10.3
Comanche	0	3	0	0	0	0	0	3	3	82	59	0.0	50.8	21.3
Cowley	0	72	0	0	0	0	0	72	72	1204	1,339	0.0	53.8	28.3
Crawford	2	47	0	1	0	6	2	54	56	1176	1,569	1.7	34.4	20.4
Decatur	0	7	0	0	0	0	0	7	7	77	56	0.0	125.0	52.6
Dickinson	0	27	0	0	1	3	1	30	31	636	638	1.6	47.0	24.3
Doniphan	0	5	0	0	0	0	0	5	5	244	339	0.0	14.7	8.6
Douglas	0	59	0	0	1	27	1	86	87	2625	5,659	0.4	15.2	10.5
Edwards	0	4	0	0	0	0	0	4	4	110	94	0.0	42.6	19.6
Elk	0	2	0	0	0	0	0	2	2	82	75	0.0	26.7	12.7
Ellis	0	26	0	0	0	1	0	27	27	704	1,176	0.0	23.0	14.4
Ellsworth	0	2	0	0	1	0	1	2	3	151	155	6.6	12.9	9.8
Finney	2	108	0	0	1	5	3	113	116	1597	1,472	1.9	76.8	37.8
Ford	0	89	0	0	0	2	0	91	91	1352	1,246	0.0	73.0	35.0
Franklin	0	28	0	0	1	3	1	31	32	851	904	1.2	34.3	18.2
Geary	0	81	0	3	0	16	0	100	100	1201	1,038	0.0	96.3	44.7
Gove	0	0	0	0	0	0	0	0	0	78	82	0.0	0.0	0.0
Graham	0	4	0	0	0	0	0	4	4	62	78	0.0	51.3	28.6
Grant	0	16	0	0	0	0	0	16	16	343	276	0.0	58.0	25.8
Gray	0	6	0	0	0	0	0	6	6	256	258	0.0	23.3	11.7
Greeley	0	0	0	0	0	0	0	0	0	35	36	0.0	0.0	0.0
Greenwood	0	9	0	0	0	2	0	11	11	227	175	0.0	62.9	27.4
Hamilton	0	6	0	0	0	0	0	6	6	101	85	0.0	70.6	32.3
Harper	0	6	0	0	0	0	0	6	6	173	182	0.0	33.0	16.9
Harvey	0	50	0	0	0	3	0	53	53	1214	1,245	0.0	42.6	21.6
Haskell	0	6	0	0	0	0	0	6	6	197	177	0.0	33.9	16.0
Hodgeman	0	1	0	0	0	0	0	1	1	70	63	0.0	15.9	7.5
Jackson	0	13	0	0	0	2	0	15	15	471	445	0.0	33.7	16.4
Jefferson	0	12	0	0	0	2	0	14	14	691	615	0.0	22.8	10.7
Jewell	0	1	0	0	0	0	0	1	1	77	74	0.0	13.5	6.6
Johnson	5	239	0	0	1	127	6	366	372	19866	17,440	0.3	21.0	10.0
Kearny	0	6	0	0	0	0	0	6	6	162	142	0.0	42.3	19.7
Kingman	0	8	0	0	0	1	0	9	9	267	292	0.0	30.8	16.1
Kiowa	0	3	0	0	0	0	0	3	3	78	124	0.0	24.2	14.9
Labette	2	31	0	0	0	1	2	32	34	629	672	3.2	47.6	26.1
Lane	0	0	0	0	0	0	0	0	0	63	60	0.0	0.0	0.0
Leavenworth	1	75	0	0	4	13	5	88	93	2592	2,352	1.9	37.4	18.8
Lincoln	0	5	0	0	0	0	0	5	5	109	96	0.0	52.1	24.4
Linn	0	8	0	0	0	2	0	10	10	331	289	0.0	34.6	16.1
Logan	0	2	0	0	0	0	0	2	2	82	88	0.0	22.7	11.8



**Table 1. Pregnancies\* among Females Aged 10-19 Years, by Component, by County of Residence and Peer Group, Kansas, 2011**

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Female Population		Teenage† Pregnancy Rate		Teenage† Preg. Rate
	Age-Group		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	10-19	10-14	15-19	10-14	15-19	10-19
Lyon	1	51	0	0	0	6	1	57	58	963	1,532	1.0	37.2	23.2
Mcperson	1	29	0	0	0	2	1	31	32	974	952	1.0	32.6	16.6
Marion	0	7	0	0	0	2	0	9	9	386	414	0.0	21.7	11.3
Marshall	0	13	0	0	0	0	0	13	13	321	285	0.0	45.6	21.5
Meade	0	10	0	0	0	0	0	10	10	191	187	0.0	53.5	26.5
Miami	0	29	0	0	0	5	0	34	34	1242	1,126	0.0	30.2	14.4
Mitchell	0	6	0	0	0	1	0	7	7	197	169	0.0	41.4	19.1
Montgomery	1	52	0	0	0	1	1	53	54	1023	1,172	1.0	45.2	24.6
Morris	0	6	0	0	0	1	0	7	7	184	160	0.0	43.8	20.3
Morton	0	4	0	0	0	1	0	5	5	133	112	0.0	44.6	20.4
Nemaha	0	5	0	0	0	0	0	5	5	372	323	0.0	15.5	7.2
Neosho	0	29	0	1	0	4	0	34	34	557	591	0.0	57.5	29.6
Ness	0	1	0	0	0	0	0	1	1	94	84	0.0	11.9	5.6
Norton	0	7	0	0	0	0	0	7	7	137	156	0.0	44.9	23.9
Osage	0	12	0	0	0	5	0	17	17	586	528	0.0	32.2	15.3
Osborne	0	7	0	0	0	0	0	7	7	109	122	0.0	57.4	30.3
Ottawa	0	3	0	0	0	0	0	3	3	181	216	0.0	13.9	7.6
Pawnee	0	6	0	0	0	1	0	7	7	221	175	0.0	40.0	17.7
Phillips	1	4	0	0	0	0	1	4	5	214	183	4.7	21.9	12.6
Pottawatomie	0	18	0	0	0	1	0	19	19	872	782	0.0	24.3	11.5
Pratt	0	16	0	0	0	2	0	18	18	289	358	0.0	50.3	27.8
Rawlins	0	1	0	0	0	0	0	1	1	64	65	0.0	15.4	7.8
Reno	2	74	0	1	0	3	2	78	80	2053	2,023	1.0	38.6	19.6
Republic	0	5	0	0	0	1	0	6	6	139	127	0.0	47.2	22.6
Rice	0	15	0	0	0	1	0	16	16	328	382	0.0	41.9	22.5
Riley	2	66	0	0	0	26	2	92	94	1464	3,729	1.4	24.7	18.1
Rooks	0	5	0	0	0	0	0	5	5	160	163	0.0	30.7	15.5
Rush	0	0	0	0	0	0	0	0	0	93	79	0.0	0.0	0.0
Russell	0	7	0	0	0	0	0	7	7	198	208	0.0	33.7	17.2
Saline	1	85	0	2	2	9	3	96	99	1810	1,788	1.7	53.7	27.5
Scott	0	7	0	0	0	0	0	7	7	191	132	0.0	53.0	21.7
Sedgwick	15	786	0	3	2	86	17	875	892	17970	16,787	0.9	52.1	25.7
Seward	1	86	0	0	0	2	1	88	89	883	902	1.1	97.6	49.9
Shawnee	7	261	0	2	0	36	7	299	306	5909	5,514	1.2	54.2	26.8
Sheridan	0	2	0	0	0	0	0	2	2	91	62	0.0	32.3	13.1
Sherman	0	6	0	0	0	1	0	7	7	186	178	0.0	39.3	19.2
Smith	0	2	0	0	0	0	0	2	2	98	117	0.0	17.1	9.3
Stafford	0	3	0	0	0	1	0	4	4	147	135	0.0	29.6	14.2
Stanton	0	1	0	0	0	1	0	2	2	85	67	0.0	29.9	13.2
Stevens	0	4	0	0	0	1	0	5	5	223	211	0.0	23.7	11.5
Sumner	0	34	0	0	0	3	0	37	37	871	796	0.0	46.5	22.2
Thomas	0	13	0	0	0	1	0	14	14	244	443	0.0	31.6	20.4
Trego	0	2	0	0	0	0	0	2	2	74	116	0.0	17.2	10.5
Wabaunsee	0	2	0	0	0	0	0	2	2	242	218	0.0	9.2	4.3
Wallace	0	1	0	0	0	0	0	1	1	58	57	0.0	17.5	8.7
Washington	0	1	0	0	0	1	0	2	2	189	160	0.0	12.5	5.7
Wichita	0	1	0	0	1	0	1	1	2	80	67	12.5	14.9	13.6
Wilson	0	12	0	0	0	1	0	13	13	305	272	0.0	47.8	22.5
Woodson	0	5	0	0	0	0	0	5	5	97	81	0.0	61.7	28.1
Wyandotte	8	352	0	2	3	55	11	409	420	5666	5,228	1.9	78.2	38.6
Unknown	0	0	0	0	0	7	0	7	7	n/a	n/a	n/a	n/a	n/a
<b>Kansas</b>	<b>52</b>	<b>3493</b>	<b>0</b>	<b>16</b>	<b>18</b>	<b>516</b>	<b>70</b>	<b>4,025</b>	<b>4,095</b>	<b>97,012</b>	<b>98,702</b>	<b>0.7</b>	<b>40.8</b>	<b>20.9</b>
<b>Peer Group</b>														
Frontier	0	113	0	0	1	7	1	120	121	3,622	3,460	0.3	34.7	17.1
Rural	1	254	0	0	1	22	2	276	278	8,726	8,773	0.2	31.5	17.8
Densely-Settled Rural	7	800	0	2	2	53	9	855	864	15,440	16,441	0.6	52.0	25.6
Semi-Urban	8	554	0	7	3	83	11	644	655	14,596	17,048	0.8	37.8	20.7
Urban	36	1,772	0	7	11	344	47	2,123	2,170	54,628	52,980	0.9	40.1	20.2

n/a = Not applicable

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

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

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

**Table 2. Pregnancies by Number and Rate\*  
among Females Aged 10-19 Years  
Kansas, 1992-2011**

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
1992	6,165	111	2,110	3,944	2,221	6,054	34.8	1.2	41.4	121.1	15.4	72.6
1993	6,405	133	2,219	4,053	2,352	6,272	35.2	1.4	42.4	120.5	15.9	73.3
1994	6,500	124	2,302	4,074	2,426	6,376	34.8	1.3	42.4	117.6	15.9	71.9
1995	6,552	153	2,332	4,067	2,485	6,399	34.5	1.6	41.3	113.4	16.1	69.5
1996	6,498	133	2,276	4,089	2,409	6,365	33.9	1.4	38.9	110.4	15.6	67.0
1997	6,469	123	2,260	4,086	2,383	6,346	33.3	1.3	37.4	107.6	15.3	64.7
1998	6,444	108	2,087	4,249	2,195	6,336	32.4	1.1	34.1	106.3	13.8	62.0
1999	6,402	103	1,979	4,320	2,082	6,299	31.9	1.1	32.4	105.0	13.1	60.7
2000	6,090	94	1,819	4,177	1,913	5,996	30.3	0.9	30.1	101.4	12.0	58.7
2001	5,818	79	1,819	3,920	1,898	5,739	28.8	0.8	30.2	96.0	11.9	56.0
2002	5,586	86	1,684	3,816	1,770	5,500	28.3	0.9	28.3	92.9	11.3	54.7
2003	5,174	73	1,559	3,542	1,632	5,101	26.4	0.8	26.6	86.8	10.5	51.3
2004	5,026	71	1,492	3,463	1,563	4,955	26.1	0.8	25.8	85.1	10.3	50.3
2005	5,044	69	1,483	3,492	1,552	4,975	26.7	0.8	25.7	87.1	10.4	50.8
2006	5,192	85	1,507	3,600	1,592	5,107	27.1	0.9	25.5	93.1	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

\*Rate per 1,000 female age-group population.  
Pregnancies include the sum of live births, stillbirths and abortions.  
Residence data

**Table 3. Pregnancies among Females Aged 10-17 Years, by Number and Rate\*  
For Selected Population Groups  
Kansas, 1992-2011**

Year	Number of Pregnancies				Pregnancy Rate				Birth Rate			
	White		Black		White		Black		White		Black	
	Non-Hispanic	Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Hispanic
1992	1,466	283	422	283	11.9	41.2	41.2	36.3	8.2	36.1	36.1	22.2
1993	1,557	287	429	287	12.3	41.1	41.1	34.0	8.4	35.7	35.7	22.4
1994	1,629	344	403	344	12.7	37.8	37.8	38.1	8.6	32.9	32.9	24.0
1995	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	8.6	32.7	32.7	25.6
1996	1,642	325	376	325	12.5	34.7	34.7	31.6	8.1	27.6	27.6	28.1
1997	1,575	327	406	327	11.9	36.6	36.6	29.4	8.1	28.0	28.0	26.5
1998	1,462	325	319	325	11.1	28.2	28.2	27.5	7.4	22.1	22.1	23.6
1999	1,314	352	337	352	10.0	29.2	29.2	28.0	6.9	22.7	22.7	25.5
2000	1,184	385	293	385	9.3	24.9	24.9	29.1	6.5	19.6	19.6	25.4
2001	1,202	364	269	364	9.5	22.4	22.4	26.2	6.5	17.3	17.3	24.1
2002	1,078	364	267	364	8.7	21.8	21.8	24.9	5.9	16.2	16.2	23.6
2003	944	358	277	358	7.7	22.4	22.4	23.6	5.4	15.9	15.9	21.4
2004	901	351	248	351	7.5	20.7	20.7	22.9	5.7	15.7	15.7	20.7
2005	836	380	249	380	7.2	20.9	20.9	24.0	5.2	15.4	15.4	21.2
2006	866	408	236	408	7.3	19.5	19.5	23.6	5.2	14.0	14.0	20.9
2007	840	504	205	504	7.3	16.6	16.6	28.5	5.4	13.6	13.6	25.7
2008	842	460	239	460	7.4	19.6	19.6	25.4	5.6	15.2	15.2	23.3
2009	776	437	175	437	6.9	14.3	14.3	23.3	5.3	10.6	10.6	21.8
2010	661	416	185	416	6.0	18.4	18.4	18.2	4.9	14.2	14.2	17.1
2011	795	418	171	418	7.1	13.5	13.5	17.6	4.1	8.1	8.1	13.8

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

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

† Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

**Table 4. Pregnancy\* Rates† among Females Aged 10-14 and 15-19 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	Year											
	2007		2008		2009		2010		2011		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	58.7	0.0	61.9	0.0	74.3	0.0	48.4	0.0	33.7	0.0	54.5
Anderson	0.0	65.7	0.0	50.2	0.0	50.2	0.0	58.1	0.0	49.2	0.0	54.8
Atchison	0.0	50.4	0.0	42.6	0.0	51.8	0.0	37.0	0.0	35.2	0.0	42.9
Barber	0.0	37.7	0.0	67.6	0.0	71.0	7.2	46.1	0.0	25.8	1.3	49.4
Barton	2.3	60.6	1.2	65.8	0.0	56.8	0.0	51.6	0.0	56.1	0.7	58.3
Bourbon	0.0	95.4	0.0	69.5	0.0	60.0	0.0	50.0	0.0	65.6	0.0	68.2
Brown	0.0	59.2	0.0	83.9	0.0	55.1	3.2	57.1	0.0	75.2	1.2	65.8
Butler	0.0	40.7	0.0	47.0	0.4	40.0	0.0	34.2	0.0	21.6	0.1	36.6
Chase	0.0	48.8	0.0	69.4	0.0	28.2	0.0	41.7	0.0	13.7	0.0	40.5
Chautauqua	0.0	28.2	0.0	71.9	0.0	80.0	0.0	0.0	0.0	49.0	0.0	47.1
Cherokee	0.0	49.7	1.4	65.7	0.0	60.6	1.3	57.2	0.0	62.4	0.5	59.0
Cheyenne	0.0	32.6	0.0	0.0	0.0	13.7	0.0	0.0	0.0	31.3	0.0	15.7
Clark	0.0	43.5	0.0	31.3	0.0	0.0	0.0	15.6	0.0	44.1	0.0	26.9
Clay	0.0	36.9	4.2	38.0	0.0	67.1	7.8	54.1	0.0	46.8	2.3	48.7
Cloud	0.0	48.7	0.0	56.4	0.0	45.2	0.0	57.1	0.0	28.1	0.7	47.4
Coffey	0.0	36.7	0.0	44.2	0.0	37.9	0.0	26.2	0.0	21.4	0.0	32.7
Comanche	0.0	40.0	0.0	19.2	0.0	20.8	0.0	40.8	0.0	50.8	0.0	34.9
Cowley	0.9	52.4	0.9	61.8	0.0	54.0	1.6	54.6	0.0	53.8	0.9	55.3
Crawford	1.8	56.5	0.9	53.7	0.9	54.5	0.0	33.0	1.7	34.4	0.9	46.1
Decatur	0.0	20.8	0.0	0.0	0.0	13.2	0.0	18.2	0.0	125.0	0.0	29.4
Dickinson	1.7	50.2	0.0	40.7	0.0	52.5	0.0	41.5	1.6	47.0	0.3	46.4
Doniphan	0.0	31.6	0.0	35.7	0.0	27.4	0.0	20.1	0.0	14.7	0.0	25.9
Douglas	0.3	26.0	0.3	21.5	0.0	18.6	0.4	18.8	0.4	15.2	0.3	20.0
Edwards	10.8	117.6	0.0	72.2	0.0	29.4	9.3	40.8	0.0	42.6	4.1	58.8
Elk	0.0	73.7	0.0	94.1	12.8	22.2	0.0	37.5	0.0	26.7	2.6	51.8
Ellis	0.0	35.8	0.0	40.6	1.6	28.9	1.4	38.2	0.0	23.0	0.9	33.1
Ellsworth	0.0	29.4	0.0	19.2	0.0	34.5	0.0	20.8	6.6	12.9	0.0	23.8
Finney	1.8	66.1	1.1	85.8	1.8	85.4	0.6	78.4	1.9	76.8	1.6	78.6
Ford	3.2	73.5	1.6	86.9	1.6	100.8	0.8	74.8	0.0	73.0	1.6	81.6
Franklin	1.2	49.0	0.0	62.5	0.0	49.9	1.1	46.8	1.2	34.3	0.7	48.5
Geary	3.4	103.3	0.0	109.4	0.0	108.4	0.9	81.0	0.0	96.3	0.8	98.7
Gove	0.0	11.4	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	7.3
Graham	0.0	12.0	0.0	28.2	0.0	28.6	0.0	61.5	0.0	51.3	0.0	35.4
Grant	0.0	85.3	0.0	69.6	3.6	99.0	0.0	90.6	0.0	58.0	0.7	80.7
Gray	0.0	55.6	0.0	62.1	0.0	37.9	0.0	8.4	0.0	23.3	0.0	34.8
Greeley	0.0	0.0	0.0	50.0	0.0	105.3	0.0	0.0	0.0	0.0	0.0	30.3
Greenwood	0.0	71.8	0.0	50.0	0.0	21.4	0.0	63.2	0.0	62.9	0.0	54.0
Hamilton	0.0	85.7	0.0	119.6	0.0	93.8	0.0	79.5	0.0	70.6	0.0	90.1
Harper	0.0	64.7	0.0	75.5	0.0	65.6	0.0	46.8	0.0	33.0	0.0	56.6
Harvey	0.9	38.6	0.0	41.0	0.9	42.6	0.0	40.4	0.0	42.6	0.4	41.1
Haskell	0.0	49.3	0.0	56.7	0.0	62.1	0.0	45.5	0.0	33.9	1.2	48.9
Hodgeman	0.0	38.0	0.0	13.7	0.0	27.8	0.0	15.9	0.0	15.9	0.0	22.9
Jackson	0.0	31.3	0.0	55.0	0.0	48.7	0.0	53.1	0.0	33.7	0.0	44.2
Jefferson	0.0	49.8	1.7	40.1	0.0	34.7	0.0	15.7	0.0	22.8	0.3	32.3
Jewell	0.0	31.6	0.0	36.1	0.0	11.9	0.0	14.5	0.0	13.5	0.0	22.2
Johnson	0.2	33.7	0.4	31.9	0.3	27.0	0.3	23.9	0.3	21.0	0.4	27.4
Kearny	0.0	58.4	0.0	87.5	0.0	51.7	6.3	64.7	0.0	42.3	1.3	61.1
Kingman	0.0	36.5	0.0	36.4	0.0	43.6	0.0	31.0	0.0	30.8	0.0	35.7
Kiowa	0.0	19.2	0.0	36.1	0.0	35.3	0.0	0.0	0.0	24.2	0.0	21.4
Labette	0.0	91.4	0.0	71.4	0.0	77.1	0.0	81.9	3.2	47.6	0.9	74.5
Lane	0.0	0.0	0.0	35.7	0.0	17.9	0.0	0.0	0.0	0.0	0.0	10.9
Leavenworth	0.0	45.3	0.4	52.2	0.8	40.7	1.6	33.1	1.9	37.4	0.8	41.9
Lincoln	0.0	39.5	0.0	51.9	0.0	33.7	0.0	34.1	0.0	52.1	1.9	42.3
Linn	0.0	48.4	0.0	48.7	0.0	41.0	0.0	44.6	0.0	34.6	0.7	43.4
Logan	0.0	0.0	0.0	0.0	0.0	40.8	0.0	11.9	0.0	22.7	0.0	14.8

**Table 4. Pregnancy\* Rates† among Females Aged 10-14 and 15-19 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	Year											
	2007		2008		2009		2010		2011		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	1.8	48.3	0.9	51.4	1.1	32.0	2.0	47.9	1.0	37.2	1.3	43.3
Mcperson	0.0	25.6	1.2	42.9	0.0	27.1	1.0	23.9	1.0	32.6	0.7	30.4
Marion	0.0	25.7	0.0	20.0	0.0	16.1	0.0	33.3	0.0	21.7	0.0	23.3
Marshall	0.0	14.7	4.2	34.4	0.0	23.8	0.0	28.0	0.0	45.6	0.7	28.7
Meade	0.0	42.9	0.0	55.6	0.0	69.9	0.0	29.2	0.0	53.5	0.0	49.7
Miami	0.0	35.1	1.0	35.8	0.9	53.4	0.8	33.7	0.0	30.2	0.5	37.6
Mitchell	0.0	24.6	0.0	29.1	0.0	11.2	0.0	17.1	0.0	41.4	0.0	23.9
Montgomery	1.0	76.1	0.0	73.3	1.0	60.0	1.0	56.4	1.0	45.2	0.6	62.0
Morris	0.0	43.1	0.0	44.3	0.0	36.6	0.0	55.6	0.0	43.8	0.0	44.3
Morton	0.0	79.6	0.0	54.1	7.9	100.8	0.0	61.4	0.0	44.6	3.2	68.5
Nemaha	0.0	17.4	0.0	12.3	0.0	12.1	0.0	19.4	0.0	15.5	0.0	15.3
Neosho	0.0	73.9	0.0	66.2	0.0	48.4	0.0	60.4	0.0	57.5	0.4	61.3
Ness	0.0	57.5	0.0	61.0	0.0	25.3	0.0	49.4	0.0	11.9	2.5	41.2
Norton	0.0	46.2	7.1	23.4	0.0	27.6	0.0	13.2	0.0	44.9	1.4	30.9
Osage	0.0	45.2	1.8	51.6	0.0	41.7	0.0	35.8	0.0	32.2	0.3	41.5
Osborne	0.0	68.4	0.0	59.8	0.0	35.7	0.0	43.9	0.0	57.4	0.0	53.3
Ottawa	0.0	31.3	0.0	28.4	0.0	27.5	0.0	45.2	0.0	13.9	0.0	28.6
Pawnee	0.0	54.8	0.0	45.7	0.0	45.9	0.0	40.5	0.0	40.0	0.0	45.8
Phillips	0.0	17.8	0.0	43.2	0.0	12.5	0.0	18.0	4.7	21.9	0.0	22.6
Pottawatomie	0.0	34.2	1.5	42.3	1.4	34.2	0.0	21.5	0.0	24.3	0.5	31.1
Pratt	0.0	70.3	0.0	75.5	0.0	57.6	0.0	27.1	0.0	50.3	0.0	55.1
Rawlins	13.2	11.8	0.0	12.0	0.0	37.0	0.0	32.3	0.0	15.4	2.9	21.3
Reno	0.0	58.0	0.0	60.7	0.0	65.1	0.0	44.1	1.0	38.6	0.2	52.9
Republic	0.0	42.3	0.0	61.1	0.0	29.4	0.0	40.7	0.0	47.2	0.0	44.0
Rice	0.0	21.7	3.7	26.1	0.0	28.6	3.2	33.5	0.0	41.9	1.4	29.6
Riley	0.7	25.4	0.0	27.7	0.0	27.4	1.4	23.3	1.4	24.7	0.6	25.7
Rooks	0.0	62.9	0.0	51.9	0.0	42.3	0.0	30.1	0.0	30.7	0.0	42.7
Rush	0.0	20.4	0.0	44.0	0.0	23.8	0.0	70.6	0.0	0.0	0.0	32.0
Russell	0.0	33.0	0.0	80.5	0.0	82.0	0.0	57.3	0.0	33.7	0.0	56.4
Saline	1.1	68.6	0.6	86.2	0.6	69.2	0.0	67.0	1.7	53.7	0.8	68.5
Scott	0.0	83.9	0.0	29.9	0.0	51.3	0.0	35.5	0.0	53.0	0.0	51.0
Sedgwick	0.8	68.8	0.9	68.5	1.1	71.2	0.5	57.1	0.9	52.1	0.8	63.4
Seward	2.2	102.1	1.1	118.2	0.0	113.4	1.1	78.6	1.1	97.6	1.5	101.6
Shawnee	1.6	71.9	1.3	60.9	0.5	66.8	0.9	56.8	1.2	54.2	1.0	62.0
Sheridan	0.0	57.5	0.0	41.7	0.0	41.7	0.0	0.0	0.0	32.3	0.0	37.1
Sherman	0.0	58.8	0.0	58.8	0.0	33.7	0.0	89.7	0.0	39.3	0.0	55.4
Smith	0.0	25.2	0.0	55.6	0.0	26.5	0.0	17.9	0.0	17.1	0.0	28.1
Stafford	0.0	53.3	0.0	46.4	0.0	34.0	0.0	63.4	0.0	29.6	0.0	45.7
Stanton	0.0	144.6	0.0	156.6	0.0	70.6	0.0	63.3	0.0	29.9	0.0	95.7
Stevens	0.0	71.8	0.0	70.7	5.4	55.0	0.0	52.9	0.0	23.7	2.1	54.1
Sumner	0.0	32.8	0.0	56.5	0.0	40.9	0.0	56.9	0.0	46.5	0.0	46.4
Thomas	0.0	24.0	0.0	44.9	0.0	39.5	0.0	20.2	0.0	31.6	0.0	32.0
Trego	0.0	39.5	0.0	40.0	0.0	46.0	0.0	19.8	0.0	17.2	0.0	30.8
Wabaunsee	0.0	34.1	0.0	38.6	0.0	47.4	0.0	19.1	0.0	9.2	0.0	29.5
Wallace	0.0	0.0	0.0	20.4	0.0	0.0	0.0	16.7	0.0	17.5	0.0	10.7
Washington	0.0	31.9	0.0	28.2	0.0	30.9	0.0	6.4	0.0	12.5	0.0	22.5
Wichita	0.0	81.1	0.0	25.6	0.0	63.3	0.0	66.7	12.5	14.9	0.0	50.3
Wilson	0.0	75.7	3.6	59.9	0.0	69.0	3.2	70.4	0.0	47.8	1.3	64.9
Woodson	0.0	90.9	0.0	68.5	0.0	66.7	0.0	123.3	0.0	61.7	2.3	82.1
Wyandotte	2.7	100.2	2.4	106.4	1.7	105.5	1.6	89.7	1.9	78.2	2.3	96.0
Kansas	0.8	53.2	0.7	55.0	0.6	51.6	0.6	45.1	0.7	40.8	0.7	40.9

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

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

2006-2009 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year;

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

**Table 5. Pregnancy\* Rates†, among Females Aged 10-19 Years,  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	5-year Rate
Allen	32.1	32.9	38.0	27.4	18.1	29.4
Anderson	34.4	25.7	24.4	27.4	23.2	27.0
Atchison	27.2	22.9	28.1	21.9	21.5	24.3
Barber	18.8	35.0	36.5	27.6	14.1	26.4
Barton	34.3	36.3	30.2	26.8	28.8	31.3
Bourbon	49.8	36.4	30.6	25.7	32.4	34.9
Brown	30.1	41.3	27.9	30.3	36.5	33.2
Butler	21.4	24.6	20.3	16.9	10.6	18.5
Chase	27.4	36.5	13.4	18.8	6.0	19.7
Chautauqua	15.2	41.3	42.9	0.0	24.5	25.2
Cherokee	26.1	34.2	28.5	27.4	29.3	29.1
Cheyenne	20.1	0.0	6.6	0.0	15.4	8.4
Clark	21.6	15.2	0.0	7.1	21.3	13.2
Clay	19.3	22.0	33.8	31.1	24.0	26.2
Cloud	29.6	34.3	26.6	32.7	15.6	27.8
Coffey	17.2	19.6	17.7	12.0	10.3	15.2
Comanche	20.2	9.3	8.8	16.1	21.3	15.4
Cowley	29.5	35.3	30.2	29.3	28.3	30.5
Crawford	33.0	30.7	32.2	19.0	20.4	26.9
Decatur	11.7	0.0	6.8	7.4	52.6	14.8
Dickinson	26.5	20.4	26.0	21.0	24.3	23.7
Doniphan	18.1	20.0	15.3	11.7	8.6	14.8
Douglas	17.1	14.3	12.8	12.6	10.5	13.5
Edwards	61.8	38.7	15.3	24.3	19.6	31.1
Elk	40.9	49.1	17.9	19.5	12.7	28.3
Ellis	22.2	24.9	19.3	23.6	14.4	20.8
Ellsworth	15.1	9.8	17.8	10.1	9.8	12.7
Finney	33.7	43.1	42.1	38.4	37.8	39.1
Ford	37.7	43.5	49.8	37.2	35.0	40.5
Franklin	26.3	33.0	26.7	24.5	18.2	25.7
Geary	51.4	50.0	57.8	41.4	44.7	48.4
Gove	5.3	0.0	10.9	0.0	0.0	3.5
Graham	6.5	14.6	14.5	28.4	28.6	18.3
Grant	44.0	35.3	52.3	41.2	25.8	39.6
Gray	25.3	27.2	17.7	3.9	11.7	16.2
Greeley	0.0	21.5	48.2	0.0	0.0	14.4
Greenwood	37.5	25.4	9.9	27.8	27.4	25.6
Hamilton	47.1	62.1	52.0	40.0	32.3	46.6
Harper	30.8	35.9	31.7	21.7	16.9	27.3
Harvey	20.7	21.5	22.7	20.3	21.6	21.4
Haskell	23.4	29.0	30.8	21.6	16.0	23.7
Hodgeman	20.7	7.0	13.6	7.2	7.5	11.3
Jackson	15.6	26.4	23.5	24.6	16.4	21.3
Jefferson	24.9	20.7	17.6	7.6	10.7	16.0
Jewell	16.1	17.6	6.1	6.8	6.6	11.0
Johnson	16.1	15.2	12.9	11.1	10.0	13.0
Kearny	30.5	46.7	27.2	33.4	19.7	31.4
Kingman	18.9	18.4	22.3	14.5	16.1	18.0
Kiowa	11.0	20.8	19.4	0.0	14.9	12.5
Labette	48.5	36.9	38.7	43.8	26.1	39.0
Lane	0.0	17.9	9.0	0.0	0.0	5.3
Leavenworth	22.4	26.0	20.0	16.9	18.8	20.8
Lincoln	16.9	23.3	15.1	15.7	24.4	19.1
Linn	24.9	23.6	19.9	19.9	16.1	20.7
Logan	0.0	0.0	22.9	6.0	11.8	8.1

**Table 5. Pregnancy\* Rates†, among Females Aged 10-19 Years,  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	5-year Rate
Lyon	28.7	30.2	20.0	29.2	23.2	26.3
Mcperson	14.4	23.8	14.6	12.1	16.6	16.2
Marion	14.1	11.0	8.5	17.2	11.3	12.4
Marshall	8.3	21.5	12.7	13.3	21.5	15.4
Meade	17.9	24.7	29.1	13.6	26.5	22.3
Miami	17.2	17.8	25.9	15.9	14.4	18.2
Mitchell	15.4	18.5	6.6	8.0	19.1	13.4
Montgomery	40.8	38.6	31.7	31.7	24.6	33.4
Morris	23.7	24.3	17.9	27.0	20.3	22.6
Morton	38.6	27.0	52.8	27.6	20.4	33.3
Nemaha	8.3	5.8	5.7	8.7	7.2	7.1
Neosho	40.0	35.4	25.4	30.8	29.6	32.2
Ness	31.3	32.9	11.9	23.5	5.6	20.5
Norton	21.8	14.9	13.6	6.8	23.9	16.2
Osage	22.7	26.8	21.0	16.8	15.3	20.5
Osborne	34.3	31.4	17.9	21.6	30.3	27.1
Ottawa	16.3	14.1	12.3	20.1	7.6	14.0
Pawnee	30.1	24.3	23.7	17.8	17.7	22.7
Phillips	9.1	22.9	6.4	8.2	12.6	11.7
Pottawatomie	17.5	22.2	17.7	9.9	11.5	15.5
Pratt	36.7	41.3	32.2	15.2	27.8	30.3
Rawlins	12.4	6.9	20.7	15.5	7.8	12.7
Reno	29.7	30.7	31.9	22.5	19.6	26.7
Republic	24.3	34.6	15.3	19.4	22.6	22.9
Rice	14.1	18.3	18.1	19.9	22.5	18.5
Riley	18.2	19.3	20.0	17.0	18.1	18.6
Rooks	29.8	23.6	20.1	15.0	15.5	20.6
Rush	10.9	23.3	12.3	37.0	0.0	16.4
Russell	16.1	40.6	40.7	28.6	17.2	28.2
Saline	34.0	40.8	33.1	32.8	27.5	33.5
Scott	42.9	15.0	25.5	16.2	21.7	24.1
Sedgwick	33.9	34.1	35.3	28.4	25.7	31.4
Seward	51.9	59.3	53.0	40.4	49.9	50.9
Shawnee	36.1	30.7	32.8	28.3	26.8	30.9
Sheridan	33.6	21.9	21.7	0.0	13.1	18.1
Sherman	34.5	32.8	17.9	41.1	19.2	29.0
Smith	13.2	28.2	14.2	9.3	9.3	14.8
Stafford	29.3	25.5	17.9	31.8	14.2	23.8
Stanton	76.9	85.5	38.7	29.2	13.2	48.3
Stevens	36.8	36.6	31.2	26.1	11.5	27.8
Sumner	16.9	29.3	20.1	26.4	22.2	22.9
Thomas	14.0	26.5	24.7	12.3	20.4	19.6
Trego	18.2	20.0	24.2	10.6	10.5	16.3
Wabaunsee	16.9	20.2	23.5	8.8	4.3	14.4
Wallace	0.0	10.6	0.0	9.5	8.7	5.8
Washington	16.7	14.3	15.0	2.9	5.7	11.0
Wichita	35.7	12.7	34.2	29.2	13.6	25.2
Wilson	39.0	33.5	35.7	35.3	22.5	33.3
Woodson	46.5	32.3	31.1	52.3	28.1	38.2
Wyandotte	51.4	54.5	52.9	44.8	38.6	48.4
<b>Kansas</b>	<b>27.8</b>	<b>28.6</b>	<b>26.8</b>	<b>23.1</b>	<b>20.9</b>	<b>25.4</b>

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

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

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

**Table 6. Pregnancies among Females Aged 15-17 Years by Number and Rate\*  
For Selected Population Groups  
Kansas Residents, 1992-2011**

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White	Black	Hispanic	White	Black	Hispanic	White	Black	Hispanic
	Non-Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Non-Hispanic	Hispanic
1992	1,410	387	269	32.5	110.5	100.3	22.7	97.7	61.9
1993	1,493	393	263	33.6	109.3	90.9	23.1	95.7	61.9
1994	1,568	373	312	34.1	98.7	100.3	23.4	86.0	64.9
1995	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	22.8	81.2	68.3
1996	1,570	345	303	32.1	84.9	80.2	21.1	68.9	71.4
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	768	153	395	18.0	32.4	48.5	10.3	19.3	38.5

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

\* Rate per 1,000 female age-group population.

† Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.



**Table 7. Pregnancies among Females Aged 18-19 Years by Number and Rate\*  
For Selected Population Groups  
Kansas Residents, 1992-2011**

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White		Hispanic	White		Hispanic	White		Hispanic
	Non-Hispanic	Black Non-Hispanic		Non-Hispanic	Black Non-Hispanic		Non-Hispanic	Black Non-Hispanic	
1992	2,926	534	403	107.0	231.9	225.3	84.5	205.8	134.2
1993	3,000	496	426	106.1	215.7	218.9	82.4	186.6	140.8
1994	3,003	479	499	103.5	204.6	230.7	78.7	174.7	144.2
1995	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	76.8	167.5	126.7
1996	2,986	546	442	97.1	215.0	172.4	72.4	163.8	144.3
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	2,347	494	843	76.6	150.2	157.0	49.5	90.6	120.2

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

\* Rate per 1,000 female age-group population.

† Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

**Table 8. Pregnancies\* among Females Aged 10-17 Years  
by County of Residence and Peer Group, by Component, Kansas, 2011**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	4	0	0	4	6.1	6.1
Anderson	1	0	1	2	4.5	2.3
Atchison	7	0	2	9	9.9	7.7
Barber	1	0	0	1	4.4	4.4
Barton	13	0	4	17	11.4	8.7
Bourbon	4	0	1	5	6.3	5.0
Brown	5	0	0	5	9.6	9.6
Butler	7	0	7	14	3.4	1.7
Chase	1	0	0	1	7.0	7.0
Chautauqua	1	0	0	1	6.0	6.0
Cherokee	10	0	0	10	8.3	8.3
Cheyenne	0	0	1	1	9.6	0.0
Clark	1	0	0	1	8.3	8.3
Clay	3	0	0	3	6.8	6.8
Cloud	1	0	0	1	2.2	2.2
Coffey	1	0	0	1	2.0	2.0
Comanche	0	0	0	0	0.0	0.0
Cowley	22	0	0	22	11.6	11.6
Crawford	8	1	2	11	6.0	4.4
Decatur	2	0	0	2	17.4	17.4
Dickinson	5	0	1	6	5.7	4.7
Doniphan	1	0	0	1	2.5	2.5
Douglas	16	0	4	20	4.7	3.7
Edwards	3	0	0	3	17.5	17.5
Elk	0	0	0	0	0.0	0.0
Ellis	7	0	1	8	7.0	6.1
Ellsworth	0	0	1	1	3.8	0.0
Finney	30	0	2	32	12.7	11.9
Ford	24	0	0	24	11.5	11.5
Franklin	5	0	1	6	4.3	3.6
Geary	11	0	6	17	9.3	6.0
Gove	0	0	0	0	0.0	0.0
Graham	0	0	0	0	0.0	0.0
Grant	4	0	0	4	7.6	7.6
Gray	3	0	0	3	7.0	7.0
Greeley	0	0	0	0	0.0	0.0
Greenwood	1	0	1	2	5.8	2.9
Hamilton	1	0	0	1	7.0	7.0
Harper	1	0	0	1	3.3	3.3
Harvey	12	0	1	13	6.7	6.2
Haskell	1	0	0	1	3.3	3.3
Hodgeman	0	0	0	0	0.0	0.0
Jackson	5	0	2	7	9.0	6.4
Jefferson	2	0	1	3	2.7	1.8
Jewell	0	0	0	0	0.0	0.0
Johnson	53	0	36	89	2.8	1.7
Kearny	1	0	0	1	3.9	3.9
Kingman	2	0	0	2	4.2	4.2
Kiowa	2	0	0	2	14.7	14.7
Labette	9	0	0	9	8.6	8.6
Lane	0	0	0	0	0.0	0.0
Leavenworth	17	0	7	24	5.8	4.1
Lincoln	2	0	0	2	11.6	11.6
Linn	2	0	1	3	5.7	3.8
Logan	0	0	0	0	0.0	0.0

**Table 8. Pregnancies\* among Females Aged 10-17 Years  
by County of Residence and Peer Group, by Component, Kansas, 2011**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	16	0	0	16	9.9	9.9
Mcpherson	11	0	0	11	7.1	7.1
Marion	1	0	0	1	1.6	1.6
Marshall	1	0	0	1	2.0	2.0
Meade	2	0	0	2	6.3	6.3
Miami	9	0	3	12	5.9	4.4
Mitchell	1	0	1	2	6.4	3.2
Montgomery	14	0	0	14	8.3	8.3
Morris	3	0	1	4	13.9	10.5
Morton	2	0	1	3	14.3	9.5
Nemaha	0	0	0	0	0.0	0.0
Neosho	8	0	2	10	11.0	8.8
Ness	0	0	0	0	0.0	0.0
Norton	2	0	0	2	8.5	8.5
Osage	1	0	1	2	2.1	1.1
Osborne	3	0	0	3	16.1	16.1
Ottawa	2	0	0	2	5.6	5.6
Pawnee	1	0	0	1	3.0	3.0
Phillips	1	0	0	1	2.9	2.9
Pottawatomie	3	0	1	4	2.9	2.2
Pratt	4	0	0	4	8.3	8.3
Rawlins	0	0	0	0	0.0	0.0
Reno	18	1	2	21	6.5	5.5
Republic	1	0	0	1	4.6	4.6
Rice	2	0	0	2	3.9	3.9
Riley	12	0	5	17	7.6	5.4
Rooks	1	0	0	1	3.8	3.8
Rush	0	0	0	0	0.0	0.0
Russell	1	0	0	1	3.0	3.0
Saline	31	1	2	34	11.7	10.7
Scott	3	0	0	3	10.8	10.8
Sedgwick	233	1	25	259	9.1	8.2
Seward	29	0	1	30	21.4	20.7
Shawnee	71	0	15	86	9.2	7.6
Sheridan	0	0	0	0	0.0	0.0
Sherman	1	0	1	2	7.1	3.6
Smith	1	0	0	1	5.6	5.6
Stafford	0	0	1	1	4.3	0.0
Stanton	1	0	1	2	15.2	7.6
Stevens	1	0	0	1	2.9	2.9
Sumner	9	0	0	9	6.4	6.4
Thomas	5	0	0	5	12.3	12.3
Trego	1	0	0	1	6.4	6.4
Wabaunsee	0	0	0	0	0.0	0.0
Wallace	0	0	0	0	0.0	0.0
Washington	1	0	0	1	3.4	3.4
Wichita	0	0	1	1	8.0	0.0
Wilson	3	0	1	4	8.4	6.3
Woodson	1	0	0	1	6.4	6.4
Wyandotte	125	0	29	154	17.3	14.0
Unknown	0	0	4	4	n.a	n/a
<b>Kansas</b>	<b>948</b>	<b>4</b>	<b>181</b>	<b>1,133</b>	<b>7.3</b>	<b>6.1</b>
<b>Peer Group</b>						
Frontier	28	0	7	35	7.1	4.8
Rural	58	0	6	64	6.8	4.6
Densely-Settled Rural	220	0	19	239	10.2	8.4
Semi-Urban	127	3	29	159	8.2	5.5
Urban	515	1	116	632	8.9	5.9

n/a = Not applicable

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

†Rate per 1,000 female age-group population

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

**Table 9. Pregnancies\* among Females Aged 10-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	Teenage Pregnancies 2007-2011
Allen	8	9	7	8	4	36
Anderson	8	4	5	1	2	20
Atchison	11	8	7	6	9	41
Barber	1	2	3	3	1	10
Barton	13	16	18	13	17	77
Bourbon	10	6	9	10	5	40
Brown	1	8	4	6	5	24
Butler	35	39	28	27	14	143
Chase	1	1	0	1	1	4
Chautauqua	0	3	1	0	1	5
Cherokee	8	13	14	10	10	55
Cheyenne	2	0	0	0	1	3
Clark	0	0	0	1	1	2
Clay	2	2	3	8	3	18
Cloud	2	3	4	8	1	18
Coffey	4	2	3	2	1	12
Comanche	0	0	0	0	0	0
Cowley	19	27	28	24	22	120
Crawford	21	27	15	10	11	84
Decatur	1	0	0	0	2	3
Dickinson	9	6	11	7	6	39
Doniphan	2	3	3	3	1	12
Douglas	26	25	20	23	20	114
Edwards	3	1	1	2	3	10
Elk	1	3	1	1	0	6
Ellis	12	14	10	9	8	53
Ellsworth	1	2	0	0	1	4
Finney	49	64	44	40	32	229
Ford	40	37	31	26	24	158
Franklin	14	16	9	10	6	55
Geary	23	21	21	23	17	105
Gove	0	0	1	0	0	1
Graham	0	0	0	0	0	0
Grant	11	8	10	9	4	42
Gray	1	6	1	0	3	11
Greeley	0	0	1	0	0	1
Greenwood	6	5	1	3	2	17
Hamilton	3	4	5	2	1	15
Harper	3	6	2	4	1	16
Harvey	15	13	16	13	13	70
Haskell	1	0	4	2	1	8
Hodgeman	1	1	1	0	0	3
Jackson	4	7	7	2	7	27
Jefferson	13	7	5	3	3	31
Jewell	1	0	0	0	0	1
Johnson	170	167	135	109	89	670
Kearny	5	5	3	3	1	17
Kingman	2	3	4	2	2	13
Kiowa	0	2	1	0	2	5
Labette	18	13	15	16	9	71
Lane	0	1	1	0	0	2
Leavenworth	31	32	28	29	24	144
Lincoln	2	2	2	1	2	9
Linn	5	2	3	5	3	18
Logan	0	0	2	1	0	3

**Table 9. Pregnancies\* among Females Aged 10-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	Teenage Pregnancies 2007-2011
Lyon	20	26	15	21	16	98
Mcpherson	8	11	10	3	11	43
Marion	1	5	1	2	1	10
Marshall	2	7	0	2	1	12
Meade	3	2	5	2	2	14
Miami	14	11	18	11	12	66
Mitchell	0	2	0	0	2	4
Montgomery	28	20	15	19	14	96
Morris	3	1	3	2	4	13
Morton	5	3	7	2	3	20
Nemaha	2	0	1	0	0	3
Neosho	11	8	7	8	10	44
Ness	2	2	0	0	0	4
Norton	0	2	1	0	2	5
Osage	10	9	5	3	2	29
Osborne	3	1	0	1	3	8
Ottawa	0	1	0	2	2	5
Pawnee	1	2	4	2	1	10
Phillips	0	3	1	0	1	5
Pottawatomie	6	8	9	5	4	32
Pratt	9	7	4	4	4	28
Rawlins	1	0	1	0	0	2
Reno	27	26	33	29	21	136
Republic	3	1	1	3	1	9
Rice	3	4	9	5	2	23
Riley	14	19	23	15	17	88
Rooks	2	3	1	1	1	8
Rush	0	0	0	2	0	2
Russell	3	6	4	5	1	19
Saline	36	45	34	33	34	182
Scott	5	1	1	3	3	13
Sedgwick	376	330	370	322	259	1,657
Seward	36	34	29	26	30	155
Shawnee	140	112	89	100	86	527
Sheridan	1	2	0	0	0	3
Sherman	1	5	0	4	2	12
Smith	1	2	1	2	1	7
Stafford	4	2	1	5	1	13
Stanton	6	3	1	3	2	15
Stevens	6	2	5	3	1	17
Sumner	5	10	9	17	9	50
Thomas	3	3	9	0	5	20
Trego	1	0	1	0	1	3
Wabaunsee	3	0	3	3	0	9
Wallace	0	0	0	0	0	0
Washington	2	1	1	0	1	5
Wichita	0	2	2	2	1	7
Wilson	7	8	4	7	4	30
Woodson	3	2	0	2	1	8
Wyandotte	206	217	187	187	154	951
Unknown	1	1	0	3	4	9
<b>Kansas</b>	<b>1,643</b>	<b>1,618</b>	<b>1,473</b>	<b>1,357</b>	<b>1,133</b>	<b>7,224</b>

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

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

**Table 10. Pregnancy\* Rates† among Females Aged 10-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	5-year Rate
Allen	12.6	14.4	10.9	11.9	6.1	11.1
Anderson	18.3	9.6	11.3	2.3	4.5	9.2
Atchison	11.4	8.6	7.3	6.4	9.9	8.7
Barber	3.8	8.5	12.4	12.1	4.4	8.3
Barton	8.8	11.1	12.4	8.8	11.4	10.5
Bourbon	12.5	7.6	11.4	12.1	6.3	10.0
Brown	1.8	15.0	7.4	11.3	9.6	9.0
Butler	9.5	10.8	7.2	6.5	3.4	7.4
Chase	8.8	9.3	0.0	7.1	7.0	6.4
Chautauqua	0.0	15.7	5.4	0.0	6.0	5.3
Cherokee	6.7	10.8	11.7	8.3	8.3	9.2
Cheyenne	16.5	0.0	0.0	0.0	9.6	5.1
Clark	0.0	0.0	0.0	7.9	8.3	3.4
Clay	4.6	4.8	6.6	18.4	6.8	8.2
Cloud	4.5	6.8	9.0	17.3	2.2	8.0
Coffey	8.9	4.6	6.3	4.0	2.0	5.1
Comanche	0.0	0.0	0.0	0.0	0.0	0.0
Cowley	9.8	14.3	14.5	12.2	11.6	12.5
Crawford	12.0	15.4	8.6	5.4	6.0	9.4
Decatur	6.9	0.0	0.0	0.0	17.4	4.8
Dickinson	9.0	6.2	10.5	6.5	5.7	7.6
Doniphan	4.5	7.0	7.2	7.4	2.5	5.8
Douglas	5.5	5.4	4.6	5.2	4.7	5.1
Edwards	20.0	6.8	5.9	11.1	17.5	12.2
Elk	7.0	22.6	7.4	7.3	0.0	8.8
Ellis	11.0	13.1	9.7	7.7	7.0	9.6
Ellsworth	3.6	7.9	0.0	0.0	3.8	3.0
Finney	17.8	21.4	16.3	15.9	12.7	17.0
Ford	19.5	18.1	15.8	12.7	11.5	15.5
Franklin	9.8	11.5	6.4	7.1	4.3	7.8
Geary	16.9	11.8	15.7	13.0	9.3	13.0
Gove	0.0	0.0	6.5	0.0	0.0	1.4
Graham	0.0	0.0	0.0	0.0	0.0	0.0
Grant	23.3	17.4	21.6	18.6	7.6	17.5
Gray	2.9	17.0	2.6	0.0	7.0	5.7
Greeley	0.0	0.0	13.3	0.0	0.0	2.8
Greenwood	18.3	15.2	3.0	8.9	5.8	10.1
Hamilton	18.9	29.2	37.0	14.5	7.0	21.1
Harper	9.9	21.3	6.5	12.5	3.3	10.6
Harvey	8.3	7.3	8.3	6.6	6.7	7.4
Haskell	4.0	0.0	14.8	6.3	3.3	5.8
Hodgeman	8.2	8.3	8.8	0.0	0.0	5.2
Jackson	5.2	9.4	8.5	2.6	9.0	7.0
Jefferson	12.9	7.1	5.0	2.7	2.7	6.0
Jewell	6.5	0.0	0.0	0.0	0.0	1.4
Johnson	5.8	5.7	4.6	3.5	2.8	4.5
Kearny	20.5	19.8	11.5	12.1	3.9	13.4
Kingman	4.6	7.4	8.8	4.1	4.2	5.8
Kiowa	0.0	17.7	8.6	0.0	14.7	7.9
Labette	15.3	11.3	12.6	14.5	8.6	12.5
Lane	0.0	11.0	10.6	0.0	0.0	4.1
Leavenworth	7.3	7.7	6.7	7.1	5.8	6.9
Lincoln	13.3	13.0	11.6	6.0	11.6	11.0
Linn	10.3	4.2	6.0	9.9	5.7	7.2
Logan	0.0	0.0	15.0	7.2	0.0	4.5

**Table 10. Pregnancy\* Rates† among Females Aged 10-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	5-year Rate
Lyon	11.2	15.0	9.5	12.8	9.9	11.7
Mcperson	5.6	7.9	6.8	2.0	7.1	5.8
Marion	1.5	7.9	1.6	3.1	1.6	3.2
Marshall	4.2	15.9	0.0	3.9	2.0	4.9
Meade	10.5	7.2	16.8	6.1	6.3	9.3
Miami	7.9	6.4	9.7	5.4	5.9	7.0
Mitchell	0.0	5.9	0.0	0.0	6.4	2.4
Montgomery	16.3	11.8	8.9	11.3	8.3	11.3
Morris	9.6	3.4	9.3	7.3	13.9	8.7
Morton	26.5	16.1	34.7	9.5	14.3	20.0
Nemaha	3.4	0.0	1.7	0.0	0.0	1.0
Neosho	13.2	9.8	8.5	9.0	11.0	10.3
Ness	15.4	16.3	0.0	0.0	0.0	5.8
Norton	0.0	8.8	4.0	0.0	8.5	4.2
Osage	10.2	9.5	4.9	3.1	2.1	6.0
Osborne	15.3	5.5	0.0	4.9	16.1	8.4
Ottawa	0.0	3.4	0.0	5.6	5.6	3.0
Pawnee	3.3	6.7	12.7	5.9	3.0	6.3
Phillips	0.0	12.7	3.8	0.0	2.9	3.5
Pottawatomie	5.1	7.0	7.5	3.7	2.9	5.1
Pratt	19.4	15.8	8.4	8.3	8.3	11.9
Rawlins	7.1	0.0	8.7	0.0	0.0	3.4
Reno	8.8	8.5	10.6	8.8	6.5	8.6
Republic	15.6	5.4	4.8	13.2	4.6	8.7
Rice	6.1	8.4	17.5	9.7	3.9	9.2
Riley	5.7	7.6	10.3	6.7	7.6	7.5
Rooks	7.6	11.6	3.9	3.7	3.8	6.1
Rush	0.0	0.0	0.0	15.2	0.0	2.9
Russell	9.7	20.9	13.4	14.7	3.0	12.1
Saline	12.6	16.1	12.2	11.3	11.7	12.7
Scott	21.3	4.4	3.8	11.3	10.8	10.2
Sedgwick	13.5	11.9	13.7	11.3	9.1	11.9
Seward	25.0	24.1	21.3	18.7	21.4	22.1
Shawnee	15.6	12.6	10.2	10.7	9.2	11.6
Sheridan	8.5	18.0	0.0	0.0	0.0	5.0
Sherman	3.9	19.5	0.0	14.4	7.1	9.1
Smith	5.3	11.6	6.0	11.1	5.6	7.9
Stafford	15.9	8.8	4.7	20.8	4.3	11.1
Stanton	44.1	23.8	7.9	21.1	15.2	22.7
Stevens	19.8	6.8	16.1	8.4	2.9	10.5
Sumner	3.5	7.1	6.2	12.0	6.4	7.0
Thomas	7.0	7.1	21.5	0.0	12.3	9.5
Trego	6.8	0.0	7.1	0.0	6.4	4.0
Wabaunsee	8.5	0.0	8.4	7.8	0.0	4.9
Wallace	0.0	0.0	0.0	0.0	0.0	0.0
Washington	7.1	3.6	3.6	0.0	3.4	3.5
Wichita	0.0	14.2	16.5	16.1	8.0	10.6
Wilson	13.5	15.9	8.0	13.6	8.4	11.9
Woodson	21.1	16.1	0.0	14.0	6.4	11.5
Wyandotte	22.7	24.6	22.5	20.9	17.3	21.6
Kansas	10.9	10.9	10.0	8.8	7.3	21.6

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

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

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

**Table 11. Pregnancies\* among Females Aged 15-17 Years  
by County of Residence and Peer Group, by Component, Kansas, 2011**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	4	0	0	4	16.0	16.0
Anderson	1	0	1	2	11.8	5.9
Atchison	7	0	2	9	23.2	18.0
Barber	1	0	0	1	10.3	10.3
Barton	13	0	4	17	29.4	22.5
Bourbon	4	0	1	5	16.9	13.5
Brown	5	0	0	5	25.4	25.4
Butler	7	0	7	14	9.2	4.6
Chase	1	0	0	1	20.8	20.8
Chautauqua	1	0	0	1	15.2	15.2
Cherokee	10	0	0	10	22.6	22.6
Cheyenne	0	0	1	1	26.3	0.0
Clark	1	0	0	1	21.3	21.3
Clay	3	0	0	3	16.6	16.6
Cloud	1	0	0	1	5.8	5.8
Coffey	1	0	0	1	5.0	5.0
Comanche	0	0	0	0	0.0	0.0
Cowley	22	0	0	22	31.6	31.6
Crawford	6	1	2	9	13.8	9.2
Decatur	2	0	0	2	52.6	52.6
Dickinson	5	0	0	5	11.8	11.8
Doniphan	1	0	0	1	6.5	6.5
Douglas	16	0	3	19	11.4	9.6
Edwards	3	0	0	3	49.2	49.2
Elk	0	0	0	0	0.0	0.0
Ellis	7	0	1	8	18.0	15.7
Ellsworth	0	0	0	0	0.0	0.0
Finney	28	0	1	29	31.6	30.5
Ford	24	0	0	24	32.6	32.6
Franklin	5	0	0	5	9.3	9.3
Geary	11	0	6	17	27.1	17.5
Gove	0	0	0	0	0.0	0.0
Graham	0	0	0	0	0.0	0.0
Grant	4	0	0	4	21.9	21.9
Gray	3	0	0	3	17.6	17.6
Greeley	0	0	0	0	0.0	0.0
Greenwood	1	0	1	2	16.7	8.3
Hamilton	1	0	0	1	24.4	24.4
Harper	1	0	0	1	7.7	7.7
Harvey	12	0	1	13	18.2	16.8
Haskell	1	0	0	1	9.1	9.1
Hodgeman	0	0	0	0	0.0	0.0
Jackson	5	0	2	7	23.0	16.4
Jefferson	2	0	1	3	7.3	4.9
Jewell	0	0	0	0	0.0	0.0
Johnson	48	0	35	83	7.1	4.1
Kearny	1	0	0	1	10.3	10.3
Kingman	2	0	0	2	9.8	9.8
Kiowa	2	0	0	2	34.5	34.5
Labette	7	0	0	7	16.8	16.8
Lane	0	0	0	0	0.0	0.0
Leavenworth	16	0	3	19	12.6	10.6
Lincoln	2	0	0	2	31.7	31.7
Linn	2	0	1	3	15.5	10.3
Logan	0	0	0	0	0.0	0.0



**Table 11. Pregnancies\* among Females Aged 15-17 Years  
by County of Residence and Peer Group, by Component, Kansas, 2011**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	15	0	0	15	22.9	22.9
Mcperson	10	0	0	10	17.3	17.3
Marion	1	0	0	1	4.4	4.4
Marshall	1	0	0	1	5.7	5.7
Meade	2	0	0	2	15.9	15.9
Miami	9	0	3	12	14.8	11.1
Mitchell	1	0	1	2	17.5	8.8
Montgomery	13	0	0	13	19.8	19.8
Morris	3	0	1	4	38.8	29.1
Morton	2	0	1	3	39.0	26.0
Nemaha	0	0	0	0	0.0	0.0
Neosho	8	0	2	10	28.1	22.5
Ness	0	0	0	0	0.0	0.0
Norton	2	0	0	2	20.4	20.4
Osage	1	0	1	2	5.6	2.8
Osborne	3	0	0	3	39.0	39.0
Ottawa	2	0	0	2	11.6	11.6
Pawnee	1	0	0	1	8.8	8.8
Phillips	0	0	0	0	0.0	0.0
Pottawatomie	3	0	1	4	7.9	5.9
Pratt	4	0	0	4	20.5	20.5
Rawlins	0	0	0	0	0.0	0.0
Reno	16	1	2	19	15.9	13.4
Republic	1	0	0	1	12.7	12.7
Rice	2	0	0	2	11.1	11.1
Riley	10	0	5	15	19.3	12.9
Rooks	1	0	0	1	9.8	9.8
Rush	0	0	0	0	0.0	0.0
Russell	1	0	0	1	7.1	7.1
Saline	30	1	0	31	28.3	27.3
Scott	3	0	0	3	34.1	34.1
Sedgwick	218	1	23	242	22.9	20.7
Seward	28	0	1	29	55.7	53.7
Shawnee	64	0	15	79	22.9	18.5
Sheridan	0	0	0	0	0.0	0.0
Sherman	1	0	1	2	21.1	10.5
Smith	1	0	0	1	12.5	12.5
Stafford	0	0	1	1	11.5	0.0
Stanton	1	0	1	2	42.6	21.3
Stevens	1	0	0	1	8.1	8.1
Sumner	9	0	0	9	16.5	16.5
Thomas	5	0	0	5	30.7	30.7
Trego	1	0	0	1	12.0	12.0
Wabaunsee	0	0	0	0	0.0	0.0
Wallace	0	0	0	0	0.0	0.0
Washington	1	0	0	1	9.3	9.3
Wichita	0	0	0	0	0.0	0.0
Wilson	3	0	1	4	23.4	17.5
Woodson	1	0	0	1	16.9	16.9
Wyandotte	117	0	26	143	44.1	36.1
Unknown	0	0	4	4	n.a	n.a.
<b>Kansas</b>	<b>896</b>	<b>4</b>	<b>163</b>	<b>1,063</b>	<b>18.4</b>	<b>15.5</b>
<b>Peer Group</b>						
Frontier	28	0	6	34	14.7	12.6
Rural	57	0	5	62	12.6	11.8
Densely-Settled Rural	213	0	17	230	23.1	21.3
Semi-Urban	119	3	26	148	17.1	13.9
Urban	479	1	105	585	18.2	14.9

n/a = Not applicable

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

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

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

**Table 12. Pregnancies\* Among Females Aged 15-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	Teenage Pregnancies 2007-2011
Allen	8	9	7	8	4	36
Anderson	8	4	5	1	2	20
Atchison	11	8	7	6	9	41
Barber	1	2	3	2	1	9
Barton	11	15	18	13	17	74
Bourbon	10	6	9	10	5	40
Brown	1	8	4	5	5	23
Butler	35	39	27	27	14	142
Chase	1	1	0	1	1	4
Chautauqua	0	3	1	0	1	5
Cherokee	8	12	14	9	10	53
Cheyenne	2	0	0	0	1	3
Clark	0	0	0	1	1	2
Clay	2	1	3	6	3	15
Cloud	2	3	4	8	1	18
Coffey	4	2	3	2	1	12
Comanche	0	0	0	0	0	0
Cowley	18	26	28	22	22	116
Crawford	19	26	14	10	9	78
Decatur	1	0	0	0	2	3
Dickinson	8	6	11	7	5	37
Doniphan	2	3	3	3	1	12
Douglas	25	24	20	22	19	110
Edwards	2	1	1	1	3	8
Elk	1	3	0	1	0	5
Ellis	12	14	9	8	8	51
Ellsworth	1	2	0	0	0	3
Finney	46	62	41	39	29	217
Ford	36	35	29	25	24	149
Franklin	13	16	9	9	5	52
Geary	20	21	21	22	17	101
Gove	0	0	1	0	0	1
Graham	0	0	0	0	0	0
Grant	11	8	9	9	4	41
Gray	1	6	1	0	3	11
Greeley	0	0	1	0	0	1
Greenwood	6	5	1	3	2	17
Hamilton	3	4	5	2	1	15
Harper	3	6	2	4	1	16
Harvey	14	13	15	13	13	68
Haskell	1	0	4	2	1	8
Hodgeman	1	1	1	0	0	3
Jackson	4	7	7	2	7	27
Jefferson	13	6	5	3	3	30
Jewell	1	0	0	0	0	1
Johnson	166	160	130	104	83	643
Kearny	5	5	3	2	1	16
Kingman	2	3	4	2	2	13
Kiowa	0	2	1	0	2	5
Labette	18	13	15	16	7	69
Lane	0	1	1	0	0	2
Leavenworth	31	31	26	25	19	132
Lincoln	2	2	2	1	2	9
Linn	5	2	3	5	3	18
Logan	0	0	2	1	0	3

**Table 12. Pregnancies\* Among Females Aged 15-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	Teenage Pregnancies 2007-2011
Lyon	18	25	14	19	15	91
Mcperson	8	10	10	2	10	40
Marion	1	5	1	2	1	10
Marshall	2	6	0	2	1	11
Meade	3	2	5	2	2	14
Miami	14	10	17	10	12	63
Mitchell	0	2	0	0	2	4
Montgomery	27	20	14	18	13	92
Morris	3	1	3	2	4	13
Morton	5	3	6	2	3	19
Nemaha	2	0	1	0	0	3
Neosho	11	8	7	8	10	44
Ness	2	2	0	0	0	4
Norton	0	1	1	0	2	4
Osage	10	8	5	3	2	28
Osborne	3	1	0	1	3	8
Ottawa	0	1	0	2	2	5
Pawnee	1	2	4	2	1	10
Phillips	0	3	1	0	0	4
Pottawatomie	6	7	8	5	4	30
Pratt	9	7	4	4	4	28
Rawlins	0	0	1	0	0	1
Reno	27	26	33	29	19	134
Republic	3	1	1	3	1	9
Rice	3	3	9	4	2	21
Riley	13	19	23	13	15	83
Rooks	2	3	1	1	1	8
Rush	0	0	0	2	0	2
Russell	3	6	4	5	1	19
Saline	34	44	33	33	31	175
Scott	5	1	1	3	3	13
Sedgwick	363	314	351	313	242	1,583
Seward	34	33	29	25	29	150
Shawnee	131	105	86	95	79	496
Sheridan	1	2	0	0	0	3
Sherman	1	5	0	4	2	12
Smith	1	2	1	2	1	7
Stafford	4	2	1	5	1	13
Stanton	6	3	1	3	2	15
Stevens	6	2	4	3	1	16
Sumner	5	10	9	17	9	50
Thomas	3	3	9	0	5	20
Trego	1	0	1	0	1	3
Wabaunsee	3	0	3	3	0	9
Wallace	0	0	0	0	0	0
Washington	2	1	1	0	1	5
Wichita	0	2	2	2	0	6
Wilson	7	7	4	6	4	28
Woodson	3	2	0	2	1	8
Wyandotte	191	204	178	178	143	894
Unknown	1	1	0	1	4	7
<b>Kansas</b>	<b>1,573</b>	<b>1,552</b>	<b>1,417</b>	<b>1,298</b>	<b>1,063</b>	<b>6,903</b>

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

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

**Table 13. Pregnancy\* Rates† among Females Aged 15-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	5-year Rate
Allen	31.4	37.5	27.2	29.2	16.0	28.2
Anderson	42.8	23.8	29.2	6.3	11.8	23.4
Atchison	28.5	22.4	18.7	15.9	23.2	21.8
Barber	9.7	20.8	31.6	18.2	10.3	18.0
Barton	18.3	26.4	32.1	22.9	29.4	25.7
Bourbon	31.6	18.9	27.5	31.9	16.9	25.5
Brown	4.5	39.6	19.2	23.0	25.4	22.0
Butler	23.4	26.9	17.7	17.3	9.2	18.8
Chase	20.0	23.3	0.0	18.9	20.8	16.7
Chautauqua	0.0	34.1	13.0	0.0	15.2	12.4
Cherokee	16.4	25.5	32.3	21.2	22.6	23.5
Cheyenne	31.3	0.0	0.0	0.0	26.3	11.9
Clark	0.0	0.0	0.0	20.0	21.3	8.4
Clay	10.8	5.5	16.8	33.5	16.6	16.6
Cloud	11.1	16.9	21.9	42.6	5.8	20.0
Coffey	23.4	13.4	16.8	11.0	5.0	13.6
Comanche	0.0	0.0	0.0	0.0	0.0	0.0
Cowley	22.8	33.5	34.3	30.6	31.6	30.6
Crawford	28.9	40.1	22.2	14.8	13.8	23.9
Decatur	14.5	0.0	0.0	0.0	52.6	11.6
Dickinson	19.4	15.6	27.4	15.6	11.8	17.9
Doniphan	11.0	18.4	19.4	19.2	6.5	14.8
Douglas	14.2	13.9	11.9	13.0	11.4	12.9
Edwards	35.1	15.9	13.2	13.9	49.2	24.3
Elk	14.9	54.5	0.0	15.9	0.0	16.9
Ellis	28.4	35.6	22.6	18.3	18.0	24.4
Ellsworth	8.9	19.2	0.0	0.0	0.0	5.4
Finney	43.3	52.7	41.6	42.8	31.6	42.9
Ford	46.2	44.4	40.4	33.6	32.6	39.6
Franklin	21.8	27.7	15.5	16.8	9.3	18.4
Geary	41.6	34.3	39.9	35.4	27.1	35.2
Gove	0.0	0.0	17.5	0.0	0.0	3.5
Graham	0.0	0.0	0.0	0.0	0.0	0.0
Grant	55.6	41.2	49.5	54.2	21.9	44.4
Gray	7.9	47.6	6.7	0.0	17.6	15.1
Greeley	0.0	0.0	33.3	0.0	0.0	7.4
Greenwood	43.8	36.5	8.5	26.1	16.7	27.1
Hamilton	41.1	76.9	86.2	39.2	24.4	54.5
Harper	25.9	56.1	17.9	32.8	7.7	27.3
Harvey	19.6	18.7	19.8	17.3	18.2	18.7
Haskell	11.0	0.0	37.4	16.5	9.1	15.3
Hodgeman	17.9	19.6	26.3	0.0	0.0	13.6
Jackson	12.9	24.0	22.2	7.2	23.0	18.0
Jefferson	31.8	15.2	12.3	6.7	7.3	14.5
Jewell	15.9	0.0	0.0	0.0	0.0	3.6
Johnson	15.1	15.0	12.1	9.1	7.1	11.6
Kearny	48.5	44.2	28.6	22.7	10.3	31.6
Kingman	10.9	18.1	21.1	10.5	9.8	13.9
Kiowa	0.0	38.5	21.7	0.0	34.5	18.9
Labette	35.7	27.9	33.0	36.0	16.8	30.2
Lane	0.0	28.6	25.6	0.0	0.0	10.6
Leavenworth	18.5	19.1	16.7	16.2	12.6	16.7
Lincoln	40.8	33.9	31.7	15.4	31.7	30.1
Linn	23.8	10.3	15.6	29.2	15.5	18.7
Logan	0.0	0.0	35.7	18.2	0.0	10.6

**Table 13. Pregnancy\* Rates† among Females Aged 15-17 Years  
by County of Residence, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	5-year Rate
Lyon	26.1	37.4	22.1	29.4	22.9	27.6
Mcperson	13.1	18.7	17.8	10.4	17.3	14.1
Marion	3.6	19.2	4.3	3.7	4.4	8.0
Marshall	9.1	29.7	0.0	8.0	5.7	10.9
Meade	33.3	20.2	52.1	15.0	15.9	25.7
Miami	19.5	15.1	24.8	13.6	14.8	17.4
Mitchell	0.0	11.0	0.0	0.0	17.5	5.2
Montgomery	38.0	29.2	20.4	26.9	19.8	27.0
Morris	21.3	7.6	24.2	19.4	38.8	21.6
Morton	72.5	40.0	80.0	28.2	39.0	51.8
Nemaha	9.3	0.0	4.5	0.0	0.0	2.7
Neosho	32.4	24.4	21.9	23.7	28.1	26.2
Ness	35.1	37.7	0.0	0.0	0.0	14.3
Norton	0.0	11.6	10.2	0.0	20.4	8.2
Osage	24.4	20.6	12.5	8.4	5.6	14.6
Osborne	37.5	13.3	0.0	11.6	39.0	20.4
Ottawa	0.0	8.6	0.0	14.9	11.6	7.4
Pawnee	8.0	16.0	30.3	16.9	8.8	16.3
Phillips	0.0	32.6	9.1	0.0	0.0	7.3
Pottawatomie	12.4	15.0	17.2	10.3	7.9	12.5
Pratt	50.3	38.7	20.1	20.8	20.5	29.6
Rawlins	0.0	0.0	19.6	0.0	0.0	4.0
Reno	22.8	22.5	27.9	23.5	15.9	22.5
Republic	34.5	11.8	12.2	32.6	12.7	21.2
Rice	13.3	14.4	42.3	20.1	11.1	20.5
Riley	13.0	20.0	26.9	16.4	19.3	19.0
Rooks	19.0	30.9	10.3	9.7	9.8	15.9
Rush	0.0	0.0	0.0	36.4	0.0	7.2
Russell	25.0	51.7	35.4	34.0	7.1	29.9
Saline	30.7	43.0	33.5	31.0	28.3	33.2
Scott	51.0	10.4	9.6	30.6	34.1	26.9
Sedgwick	34.0	29.5	34.2	29.3	22.9	30.0
Seward	64.3	65.0	61.7	48.8	55.7	59.1
Shawnee	38.3	31.0	26.3	27.2	22.9	29.2
Sheridan	17.9	43.5	0.0	0.0	0.0	12.9
Sherman	9.0	46.3	0.0	43.0	21.1	24.3
Smith	12.5	29.4	14.3	26.0	12.5	18.7
Stafford	35.1	19.0	12.5	50.5	11.5	26.8
Stanton	95.2	52.6	17.9	60.0	42.6	54.9
Stevens	50.8	16.0	32.0	20.8	8.1	25.2
Sumner	8.5	17.4	16.0	32.1	16.5	17.8
Thomas	19.0	18.5	51.1	0.0	30.7	23.8
Trego	17.5	0.0	15.9	0.0	12.0	8.8
Wabaunsee	21.0	0.0	20.8	21.9	0.0	12.4
Wallace	0.0	0.0	0.0	0.0	0.0	0.0
Washington	17.9	9.9	9.3	0.0	9.3	9.2
Wichita	0.0	32.3	37.0	42.6	0.0	22.9
Wilson	31.7	31.3	19.4	29.3	23.4	27.3
Woodson	51.7	47.6	0.0	45.5	16.9	32.1
Wyandotte	53.2	59.5	56.2	53.3	44.1	53.3
<b>Kansas</b>	<b>26.8</b>	<b>27.1</b>	<b>25.2</b>	<b>22.4</b>	<b>18.4</b>	<b>24.0</b>

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

†Rate per 1,000 female age-group population

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

**Table 14. Pregnancy and Birth Numbers and Rates among  
Females Aged 18-19 Years by County of Residence and Component, Kansas, 2011**

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Allen	11	48.9	0	1	12	53.3
Anderson	10	135.1	0	0	10	135.1
Atchison	18	41.3	0	2	20	45.9
Barber	3	51.7	0	0	3	51.7
Barton	36	94.0	1	0	37	96.6
Bourbon	24	125.0	0	3	27	140.6
Brown	17	156.0	0	1	18	165.1
Butler	35	37.6	0	4	39	41.9
Chase	0	0.0	0	0	0	0.0
Chautauqua	4	111.1	0	0	4	111.1
Cherokee	31	134.2	0	1	32	138.5
Cheyenne	1	38.5	0	0	1	38.5
Clark	2	95.2	0	0	2	95.2
Clay	8	82.5	0	2	10	103.1
Cloud	9	48.9	0	0	9	48.9
Coffey	3	37.5		2	5	62.5
Comanche	3	187.5	0	0	3	187.5
Cowley	50	77.9	0	0	50	77.9
Crawford	41	44.8	0	4	45	49.1
Decatur	5	277.8	0	0	5	277.8
Dickinson	22	101.9	0	3	25	115.7
Doniphan	4	21.6	0	0	4	21.6
Douglas	43	10.8	0	24	67	16.8
Edwards	1	30.3	0	0	1	30.3
Elk	2	90.9	0	0	2	90.9
Ellis	19	26.0	0	0	19	26.0
Ellsworth	2	44.4	0	0	2	44.4
Finney	80	144.7	0	4	84	151.9
Ford	65	127.5	0	2	67	131.4
Franklin	23	62.7	0	3	26	70.8
Geary	70	170.3	3	10	83	201.9
Gove	0	0.0	0	0	0	0.0
Graham	4	200.0	0	0	4	200.0
Grant	12	129.0	0	0	12	129.0
Gray	3	34.1	0	0	3	34.1
Greeley	0	0.0	0	0	0	0.0
Greenwood	8	145.5	0	1	9	163.6
Hamilton	5	113.6	0	0	5	113.6
Harper	5	96.2	0	0	5	96.2
Harvey	38	71.7	0	2	40	75.5
Haskell	5	74.6	0	0	5	74.6
Hodgeman	1	35.7	0	0	1	35.7
Jackson	8	57.1	0	0	8	57.1
Jefferson	10	48.8	0	1	11	53.7
Jewell	1	38.5	0	0	1	38.5
Johnson	191	32.9	0	92	283	48.8
Kearny	5	111.1	0	0	5	111.1
Kingman	6	68.2	0	1	7	79.5
Kiowa	1	15.2	0	0	1	15.2
Labette	24	93.8	0	1	25	97.7
Lane	0	0.0	0	0	0	0.0
Leavenworth	59	70.2	0	10	69	82.1
Lincoln	3	90.9	0	0	3	90.9
Linn	6	63.2	0	1	7	73.7
Logan	2	55.6	0	0	2	55.6

**Table 14. Pregnancy and Birth Numbers and Rates among  
Females Aged 18-19 Years by County of Residence and Component, Kansas, 2011**

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate‡				
Lyon	36	41.0	0	6	42	47.9
Mcperson	19	50.7	0	2	21	56.0
Marion	6	32.4	0	2	8	43.2
Marshall	12	109.1	0	0	12	109.1
Meade	8	131.1	0	0	8	131.1
Miami	20	63.1	0	2	22	69.4
Mitchell	5	90.9	0	0	5	90.9
Montgomery	39	75.6	0	1	40	77.5
Morris	3	52.6	0	0	3	52.6
Morton	2	57.1	0	0	2	57.1
Nemaha	5	49.5	0	0	5	49.5
Neosho	21	89.4	1	2	24	102.1
Ness	1	41.7	0	0	1	41.7
Norton	5	86.2	0	0	5	86.2
Osage	11	64.3	0	4	15	87.7
Osborne	4	88.9	0	0	4	88.9
Ottawa	1	23.3	0	0	1	23.3
Pawnee	5	82.0	0	1	6	98.4
Phillips	4	70.2	0	0	4	70.2
Pottawatomie	15	54.5	0	0	15	54.5
Pratt	12	73.6	0	2	14	85.9
Rawlins	1	37.0	0	0	1	37.0
Reno	58	70.0	0	1	59	71.2
Republic	4	83.3	0	1	5	104.2
Rice	13	64.4	0	1	14	69.3
Riley	56	19.0	0	21	77	26.1
Rooks	4	65.6	0	0	4	65.6
Rush	0	0.0	0	0	0	0.0
Russell	6	88.2	0	0	6	88.2
Saline	55	79.6	1	9	65	94.1
Scott	4	90.9	0	0	4	90.9
Sedgwick	568	91.0	2	63	633	101.4
Seward	58	152.2	0	1	59	154.9
Shawnee	197	95.5	2	21	220	106.6
Sheridan	2	117.6	0	0	2	117.6
Sherman	5	60.2	0	0	5	60.2
Smith	1	27.0	0	0	1	27.0
Stafford	3	62.5	0	0	3	62.5
Stanton	0	0.0	0	0	0	0.0
Stevens	3	34.1	0	1	4	45.5
Sumner	25	100.0	0	3	28	112.0
Thomas	8	28.6	0	1	9	32.1
Trego	1	30.3	0	0	1	30.3
Wabaunsee	2	30.8	0	0	2	30.8
Wallace	1	52.6	0	0	1	52.6
Washington	0	0.0	0	1	1	19.2
Wichita	1	45.5	0	0	1	45.5
Wilson	9	89.1	0	0	9	89.1
Woodson	4	181.8	0	0	4	181.8
Wyandotte	235	118.3	2	29	266	133.9
Unknown	0	n/a	0	3	3	n/a
<b>Kansas</b>	<b>2,597</b>	<b>63.3</b>	<b>12</b>	<b>353</b>	<b>2,962</b>	<b>72.2</b>
Peer Group					0	
Frontier	85	69.0	0	1	86	69.9
Rural	197	67.2	0	17	214	73.0
Densely-Settled Rural	587	78.6	2	36	625	83.7
Semi-Urban	435	51.4	4	57	496	58.6
Urban	1,293	61.8	6	239	1,538	73.5

n/a = Not applicable

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

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

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

**Table 15. Pregnancies\* among Females Aged 18-19 Years  
by County of Residence and Year, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	Teenage Pregnancies 2007-2011
Allen	19	18	23	17	12	89
Anderson	10	9	8	13	10	50
Atchison	23	20	29	24	20	116
Barber	5	8	8	5	3	29
Barton	54	53	39	38	37	221
Bourbon	40	30	20	17	27	134
Brown	19	19	15	13	18	84
Butler	63	72	68	59	39	301
Chase	3	4	2	2	0	11
Chautauqua	4	7	9	0	4	24
Cherokee	31	38	27	30	32	158
Cheyenne	1	0	1	0	1	3
Clark	3	2	0	0	2	7
Clay	8	9	16	8	10	51
Cloud	18	20	13	13	9	73
Coffey	5	8	7	5	5	30
Comanche	2	1	1	2	3	9
Cowley	58	63	48	52	50	271
Crawford	63	51	71	42	45	272
Decatur	1	0	1	1	5	8
Dickinson	23	18	22	20	25	108
Doniphan	9	9	6	4	4	32
Douglas	119	95	90	80	67	451
Edwards	8	6	2	3	1	20
Elk	6	5	2	2	2	17
Ellis	27	29	25	35	19	135
Ellsworth	4	1	6	3	2	16
Finney	64	91	95	80	84	414
Ford	54	70	90	69	67	350
Franklin	32	41	38	34	26	171
Geary	64	86	80	73	83	386
Gove	1	0	1	0	0	2
Graham	1	2	2	4	4	13
Grant	14	11	20	15	12	72
Gray	9	5	7	2	3	26
Greeley	0	2	3	0	0	5
Greenwood	9	5	3	8	9	34
Hamilton	6	7	4	5	5	27
Harper	8	6	10	4	5	33
Harvey	33	36	40	37	40	186
Haskell	6	8	6	6	5	31
Hodgeman	2	0	1	1	1	5
Jackson	10	16	16	20	8	70
Jefferson	17	17	16	7	11	68
Jewell	2	3	1	1	1	8
Johnson	390	363	314	292	283	1,642
Kearny	4	9	6	7	5	31
Kingman	8	6	8	6	7	35
Kiowa	2	1	2	0	1	6
Labette	52	39	42	46	25	204
Lane	0	1	0	0	0	1
Leavenworth	84	99	74	54	69	380
Lincoln	1	2	1	2	3	9
Linn	9	11	9	7	7	43
Logan	0	0	2	0	2	4



**Table 15. Pregnancies\* among Females Aged 18-19 Years  
by County of Residence and Year, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	Teenage Pregnancies 2007-2011
Lyon	55	51	33	50	42	231
Mcperson	19	33	19	20	21	112
Marion	11	4	6	12	8	41
Marshall	3	5	8	6	12	34
Meade	3	6	5	3	8	25
Miami	22	25	40	27	22	136
Mitchell	7	6	3	3	5	24
Montgomery	60	62	51	53	40	266
Morris	6	8	4	7	3	28
Morton	4	3	6	5	2	20
Nemaha	4	4	3	6	5	22
Neosho	32	29	20	27	24	132
Ness	3	3	2	4	1	13
Norton	6	2	3	2	5	18
Osage	16	21	21	16	15	89
Osborne	5	6	4	4	4	23
Ottawa	6	4	5	6	1	22
Pawnee	11	7	5	5	6	34
Phillips	3	4	1	3	4	15
Pottawatomie	19	23	17	11	15	85
Pratt	13	17	16	6	14	66
Rawlins	1	1	2	2	1	7
Reno	88	92	88	66	59	393
Republic	3	7	3	2	5	20
Rice	8	10	6	9	14	47
Riley	79	81	79	71	77	387
Rooks	7	4	5	4	4	24
Rush	2	4	2	4	0	12
Russell	3	8	11	6	6	34
Saline	80	92	80	86	65	403
Scott	7	3	7	2	4	23
Sedgwick	756	809	786	676	633	3,660
Seward	58	72	60	46	59	295
Shawnee	255	221	261	227	220	1,184
Sheridan	4	1	3	0	2	10
Sherman	11	6	6	10	5	38
Smith	2	4	2	0	1	9
Stafford	5	5	4	4	3	21
Stanton	6	10	5	2	0	23
Stevens	8	11	7	8	4	38
Sumner	25	40	26	27	28	146
Thomas	6	14	7	8	9	44
Trego	2	3	3	2	1	11
Wabaunsee	4	8	7	1	2	22
Wallace	0	1	0	1	1	3
Washington	4	4	4	1	1	14
Wichita	6	0	3	2	1	12
Wilson	17	12	18	14	9	70
Woodson	5	3	5	7	4	24
Wyandotte	356	372	350	307	266	1,651
Unknown	1	0	1	5	3	10
Kansas	3,625	3,753	3,563	3,144	2,962	17,047

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

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

**Table 16. Pregnancy\* Rates† among Females Aged 18-19 Years  
by County of Residence and Year, Kansas, 2007-2011**

County of Residence	2007	2008	2009	2010	2011	5-year Rate
Allen	92.7	91.8	156.5	70.0	53.3	87.6
Anderson	114.9	98.9	90.9	158.5	135.1	118.5
Atchison	79.9	66.7	90.3	55.4	45.9	65.2
Barber	89.3	153.8	133.3	119.0	51.7	108.2
Barton	114.2	113.7	88.0	90.0	96.6	101.1
Bourbon	192.3	149.3	128.2	74.9	140.6	136.2
Brown	165.2	158.3	109.5	132.7	165.1	145.1
Butler	69.1	79.2	79.9	61.8	41.9	66.1
Chase	93.8	137.9	76.9	105.3	0.0	84
Chautauqua	85.1	137.3	187.5	0.0	111.1	112.7
Cherokee	104.4	131.0	110.7	116.3	138.5	119.7
Cheyenne	35.7	0.0	40.0	0.0	38.5	23.3
Clark	136.4	117.6	0.0	0.0	95.2	72.9
Clay	94.1	109.8	153.8	100.0	103.1	113.8
Cloud	77.9	86.6	67.4	72.2	48.9	71.6
Coffey	67.6	103.9	82.4	58.1	62.5	74.6
Comanche	105.3	55.6	100.0	222.2	187.5	125
Cowley	87.9	94.7	81.1	81.6	77.9	84.8
Crawford	79.2	64.9	76.3	46.7	49.1	62.9
Decatur	37.0	0.0	33.3	76.9	277.8	69.6
Dickinson	112.2	87.8	97.3	98.5	115.7	102.4
Doniphan	53.9	52.0	34.5	20.8	21.6	35.9
Douglas	31.6	25.0	21.3	21.4	16.8	23.1
Edwards	285.7	176.5	76.9	115.4	30.3	136.1
Elk	214.3	166.7	62.5	117.6	90.9	131.8
Ellis	40.4	43.6	32.2	50.8	26.0	38.2
Ellsworth	69.0	19.2	109.1	81.1	44.4	64.8
Finney	106.3	149.9	156.8	131.8	151.9	139.2
Ford	121.6	166.7	194.4	134.5	131.4	148.9
Franklin	99.1	122.8	105.0	89.2	70.8	96.8
Geary	192.8	235.6	197.0	132.5	201.9	186.9
Gove	40.0	0.0	32.3	0.0	0.0	15.4
Graham	40.0	76.9	83.3	235.3	200.0	116.1
Grant	147.4	139.2	180.2	151.5	129.0	150.9
Gray	166.7	98.0	114.8	24.7	34.1	77.6
Greeley	0.0	250.0	375.0	0.0	0.0	79.4
Greenwood	125.0	79.4	43.5	135.6	163.6	106.9
Hamilton	187.5	175.0	105.3	135.1	113.6	141.4
Harper	148.1	115.4	140.8	81.6	96.2	118.7
Harvey	65.6	72.1	75.0	75.7	75.5	72.8
Haskell	117.6	170.2	111.1	109.1	74.6	113.1
Hodgeman	87.0	0.0	29.4	43.5	35.7	38.5
Jackson	73.0	127.0	101.9	148.1	57.1	100.7
Jefferson	87.6	94.4	80.4	36.5	53.7	70.1
Jewell	62.5	111.1	37.0	71.4	38.5	63.5
Johnson	70.3	64.0	55.3	56.7	48.8	59
Kearny	78.4	191.5	87.0	137.3	111.1	117.9
Kingman	87.9	74.1	94.1	89.6	79.5	85
Kiowa	40.8	32.3	51.3	0.0	15.2	24.1
Labette	198.5	148.9	147.9	147.0	97.7	148.1
Lane	0.0	47.6	0.0	0.0	0.0	11.6
Leavenworth	97.7	114.5	82.3	64.1	82.1	88.2
Lincoln	37.0	111.1	38.5	87.0	90.9	70.9
Linn	113.9	150.7	89.1	71.4	73.7	96.4
Logan	0.0	0.0	47.6	0.0	55.6	21.3

**Table 16. Pregnancy\* Rates† among Females Aged 18-19 Years  
by County of Residence and Year, Kansas, 2007-2011**

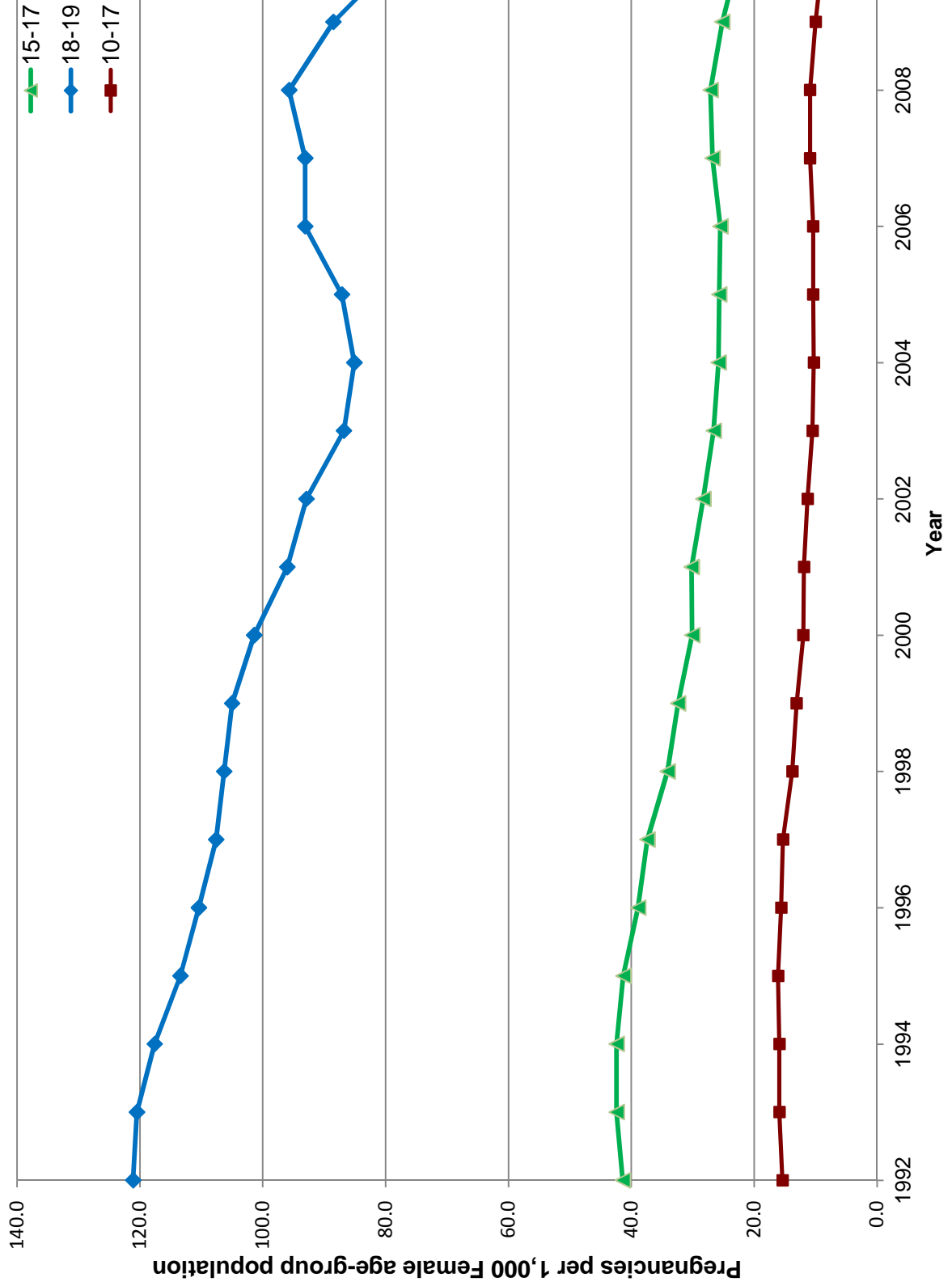
County of Residence	2007	2008	2009	2010	2011	5-year Rate
Lyon	66.8	62.9	39.6	63.1	47.9	55.9
Mcperson	42.8	70.7	37.4	53.3	113.5	51.6
Marion	57.6	20.9	29.7	70.6	72.7	43.7
Marshall	24.8	42.4	70.2	64.5	32.0	61.2
Meade	60.0	133.3	106.4	78.9	131.1	103.7
Miami	71.4	79.6	104.7	74.4	69.4	80.8
Mitchell	67.3	64.5	31.6	51.7	90.9	59.3
Montgomery	138.6	143.5	128.8	89.8	77.5	112.4
Morris	88.2	111.1	59.7	118.6	52.6	86.7
Morton	90.9	83.3	136.4	116.3	57.1	99
Nemaha	31.0	35.7	27.3	81.1	49.5	41.8
Neosho	132.2	125.5	83.7	111.6	102.1	111
Ness	100.0	103.4	69.0	190.5	41.7	97.7
Norton	157.9	47.6	63.8	48.8	86.2	79.6
Osage	96.4	121.4	94.6	92.0	87.7	98.2
Osborne	135.1	142.9	108.1	142.9	88.9	121.7
Ottawa	100.0	66.7	82.0	139.5	23.3	82.4
Pawnee	117.0	97.2	78.1	90.9	98.4	98.3
Phillips	39.5	57.1	20.0	81.1	70.2	51.7
Pottawatomie	76.9	94.7	63.7	42.5	54.5	65.8
Pratt	97.0	124.1	108.1	33.9	85.9	87
Rawlins	47.6	34.5	66.7	111.1	37.0	56
Reno	110.0	117.0	130.4	71.5	71.2	97.9
Republic	54.5	152.2	55.6	64.5	104.2	85.5
Rice	28.3	34.5	19.2	47.6	69.3	36.8
Riley	30.2	30.5	27.5	25.2	26.1	27.8
Rooks	184.2	105.3	111.1	63.5	65.6	98
Rush	64.5	117.6	54.1	133.3	0.0	75
Russell	48.4	137.9	157.1	133.3	88.2	112.2
Saline	144.4	166.1	123.6	121.1	94.1	127.7
Scott	155.6	78.9	134.6	46.5	90.9	103.6
Sedgwick	135.2	140.2	137.6	101.8	101.4	122.2
Seward	155.9	189.5	190.5	117.6	154.9	160.4
Shawnee	130.8	112.2	135.6	104.0	106.6	117.4
Sheridan	129.0	38.5	103.4	0.0	117.6	84.7
Sherman	118.3	75.9	65.2	158.7	60.2	92.7
Smith	51.3	100.0	46.5	0.0	27.0	46.4
Stafford	90.9	108.7	59.7	93.0	62.5	81.1
Stanton	300.0	384.6	172.4	69.0	0.0	185.5
Stevens	103.9	186.4	93.3	125.0	45.5	104.7
Sumner	76.9	129.4	88.1	111.1	112.0	102.7
Thomas	27.6	64.5	30.6	37.0	32.1	38
Trego	105.3	187.5	125.0	87.0	30.3	95.7
Wabaunsee	64.5	135.6	104.5	13.9	30.8	67.7
Wallace	0.0	71.4	0.0	55.6	52.6	34.9
Washington	52.6	52.6	72.7	25.6	19.2	47
Wichita	300.0	0.0	120.0	153.8	45.5	125
Wilson	177.1	129.0	159.3	177.2	89.1	145.2
Woodson	166.7	96.8	172.4	241.4	181.8	170.2
Wyandotte	190.4	187.6	190.5	148.7	133.9	169.5
Kansas	93.1	95.7	88.5	77.6	72.2	85.3

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

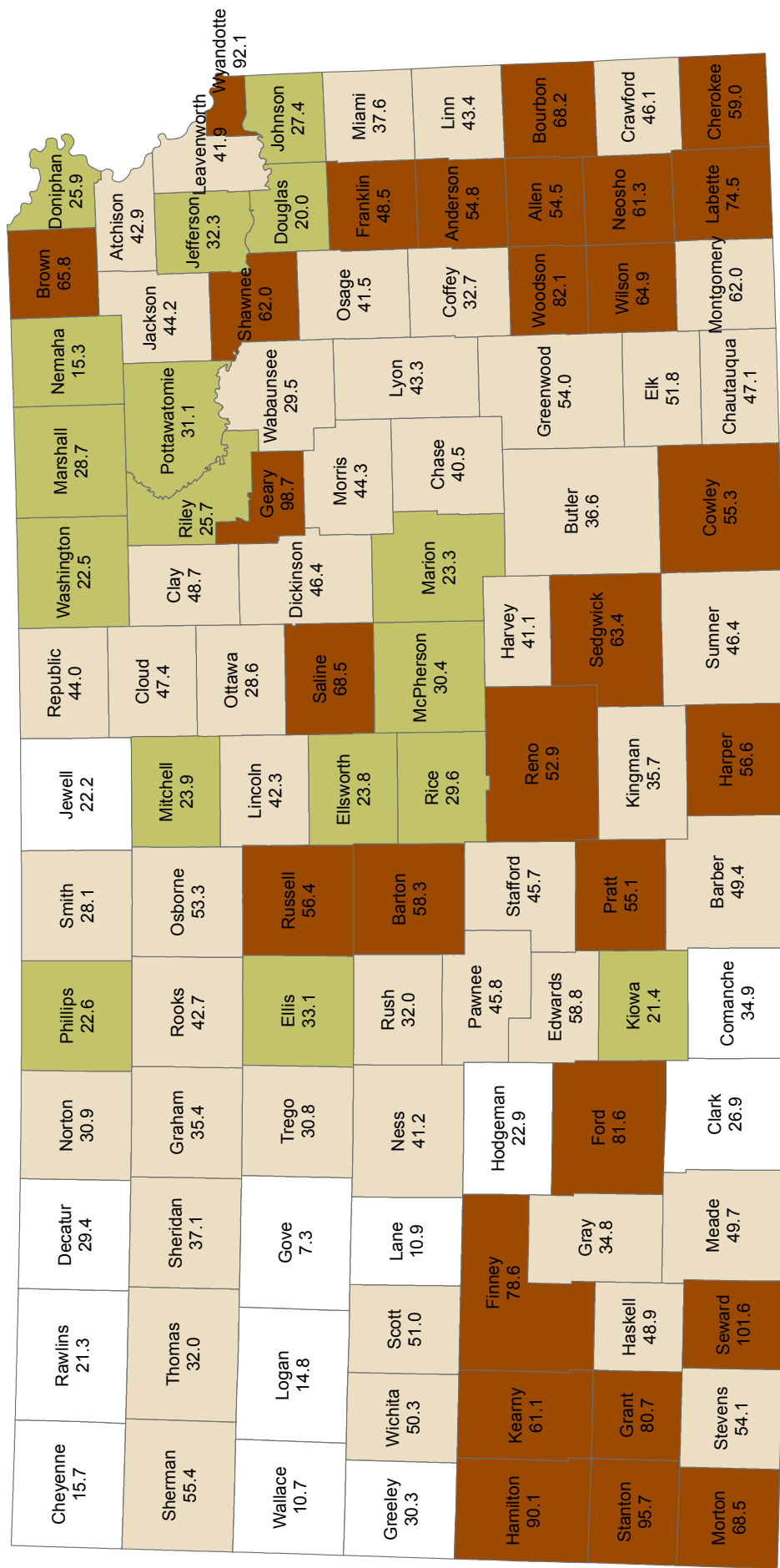
†Rate per 1,000 female age-group population.

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

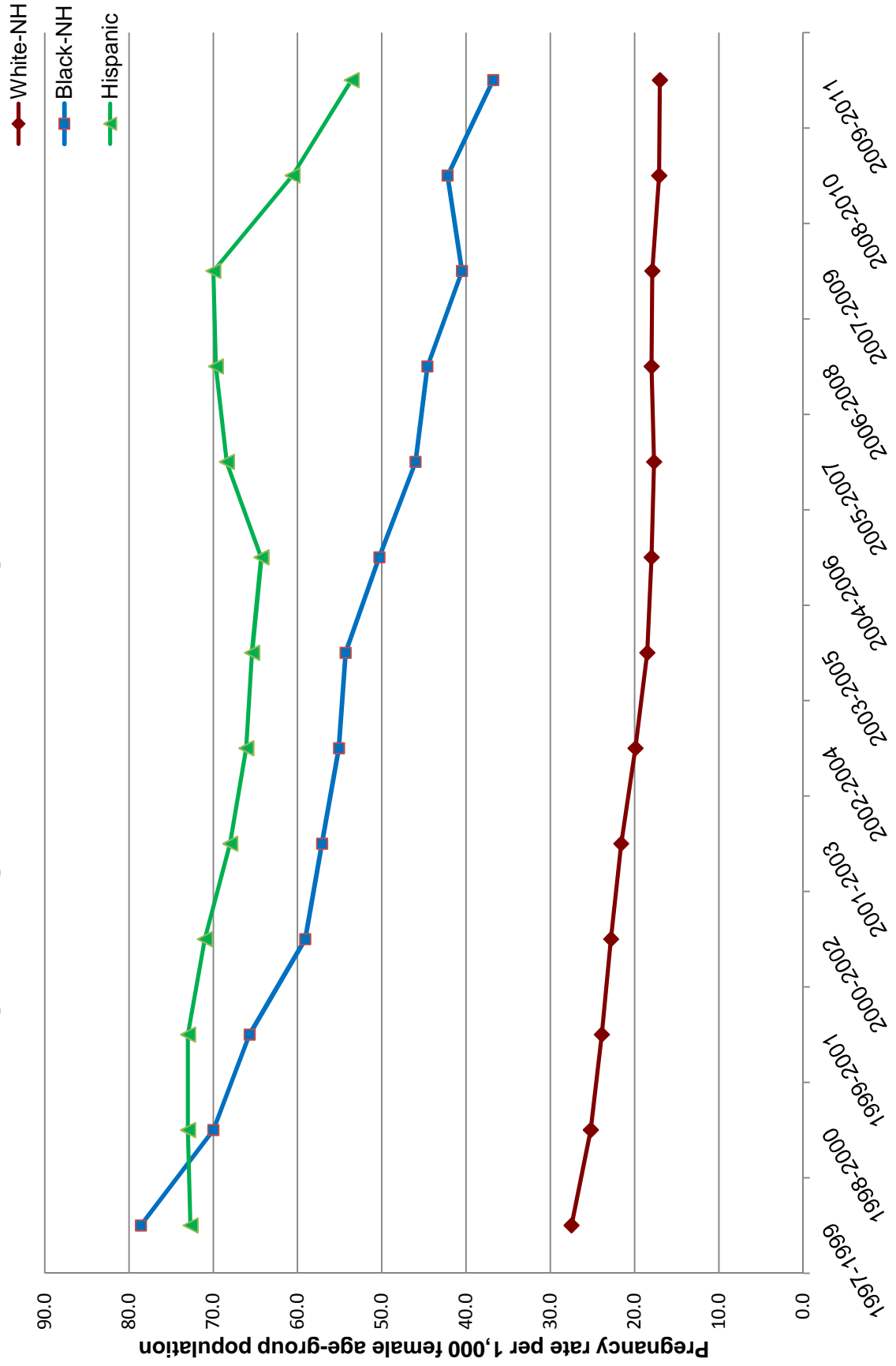
**Figure 1. Pregnancy Rates for Selected Female Age-Groups  
Kansas Residents, 1992-2011**



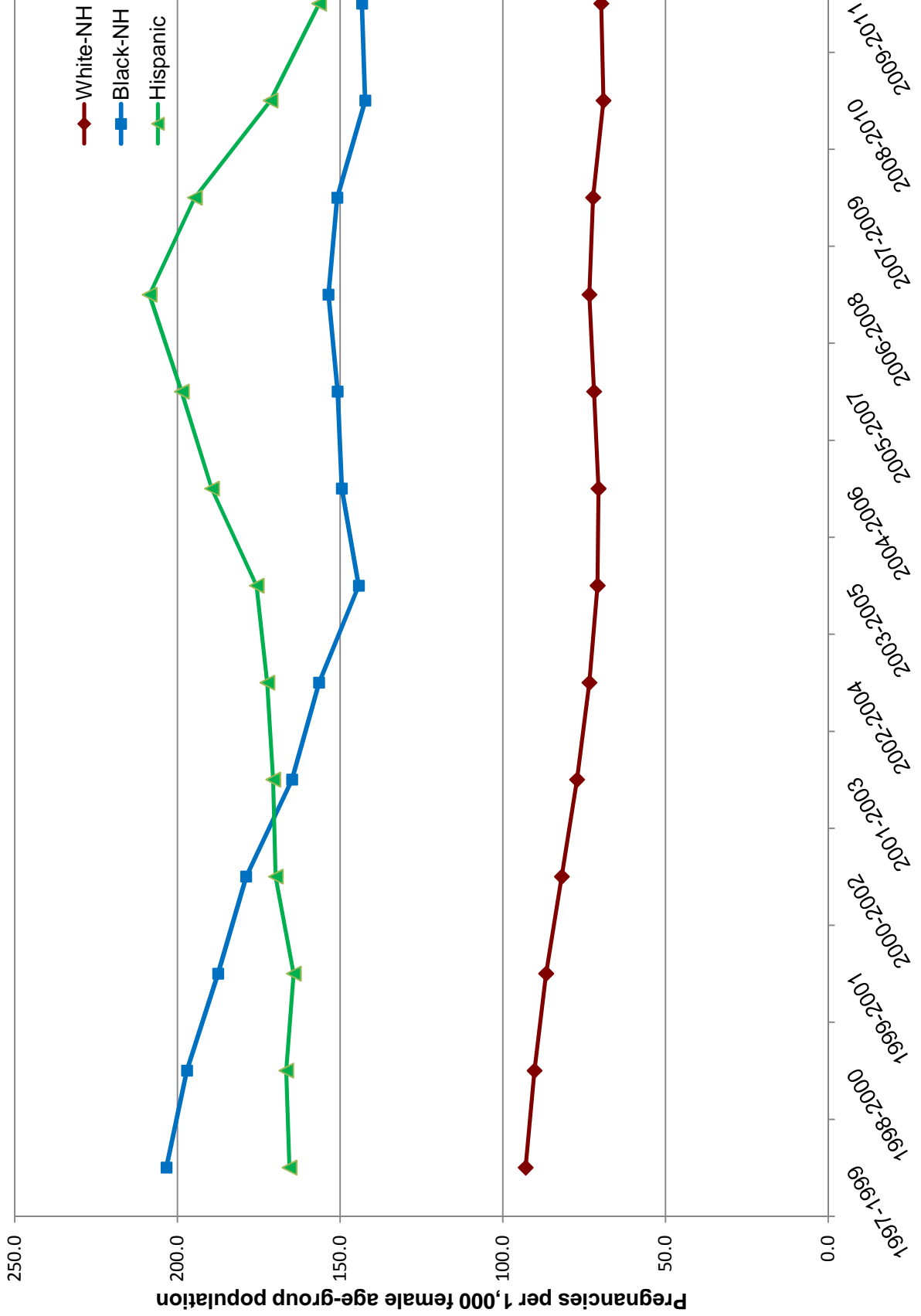
# Figure 2. County Pregnancy Rates Relative to State Pregnancy Rate Females Aged 15-19 Years, Kansas, 2007-2011



**Figure 3. Pregnancy Rates for Selected Population Groups by Three Year Rolling Averages among Kansas Residents Aged 15-17 Years, 1997-2011**



**Figure 4. Pregnancy Rates for Selected Population Groups by Three Year Rolling Averages among Kansas Residents Aged 18-19 Years, 1997-2011**



# Technical Notes

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth [K.S.A. 65-2401 (4)].
Stillbirth:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy [K.S.A. 65-2401 (3)].
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 [K.S.A. 65-2401 (2)].
Residence Data:	Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state).
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- or 10- year average rate calculated as the sum of the numerators in each year divided by the sum of the denominators in each year divided by 5 or 10 years, respectively, and multiplied by 1,000 would be more accurate in formulating conclusions on vital events. For example, between 2007 and 2011, the teenage pregnancy rate for Kansas varied from 20.9 to 28.6 teenage pregnancies per 1,000 10-19 female population. The 2007-2011 5-year teenage pregnancy rate was 25.4. The 5-year average rate decreases the variability in single-year rate comparisons and is a more reliable indicator of teenage pregnancy rates in Kansas.

Rates based on a small or large number of events in a sparsely populated area can vary widely. To exemplify the variation that may occur with a small change in the



number of events, in 2011, Comanche County had one of the lowest 10-19 female populations in Kansas at 141 and Johnson County had one of the highest at 37,306. With three teenage pregnancies occurring for Comanche County residents in 2011, the 10-19 teenage pregnancy rate was 21.3; whereas 372 teenage pregnancies occurring for Johnson County residents resulted in a teen pregnancy rate of 10.0 per 1,000 10-19 female population. If five more teenage pregnancies had occurred for each county, Comanche County's teenage pregnancy rate would have increased to 56.7, while Johnson County's rate would have increased only slightly, to 10.1 teenage pregnancies per 1,000 10-19 female population. Therefore, one must use caution when comparing rates of vital events between counties of significantly different population sizes to avoid misleading conclusions.

## **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 "Unknown" row in tables that break down pregnancy outcomes by county.

## **Population**

1988-1989, 1991-1999 and 2002-2009 female age-group population estimates and actual population counts for 1990, 2000, 2010 and 2011 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.

2003-2011 female age-group county population estimates were obtained from the Bridged-race Vintage 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 and 2011 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 density based on their 2000 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 and 2011, populations and land areas were taken from the 2010 U.S. Census.

Counties are grouped in population density peer groups as follows:

<b>Frontier</b>	Stanton	Thomas	Franklin
Barber	Trego	Wabaunsee	Geary
Chase	Wallace	Washington	Harvey
Chautauqua	Wichita	Wilson	Miami
Cheyenne		Woodson	Montgomery
Clark	<b>Rural</b>		Reno
Comanche	Anderson	<b>Densely-Settled</b>	Riley
Decatur	Brown	<b>Rural</b>	Saline
Edwards	Clay	Allen	
Elk	Cloud	Atchison	<b>Urban</b>
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	<b>Semi-Urban</b>	
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 is 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 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)	

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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.)		40. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)			
39a. MOTHER		39b. FATHER		40a. 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	
40b. FATHER		42. OCCUPATION AND BUSINESS/INDUSTRY			
<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		Occupation		Business/Industry (Do not give name of company.)	
41. ANCESTRY - What is the parents' ancestry or ethnic origin? - Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)		41a. MOTHER		41b. FATHER	
		42a. MOTHER (Most recent)		42c. MOTHER	
		42b. FATHER (Usual)		42d. FATHER	
43. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)					
43a. MOTHER'S EDUCATION		43b. FATHER'S EDUCATION			
<input type="checkbox"/> 8 <sup>th</sup> 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 <sup>th</sup> - 12 <sup>th</sup> 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) <input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)			
44. PREVIOUS LIVE BIRTHS (Do not include this child.)		45. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)		46. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No	
44a. Now living Number _____ <input type="checkbox"/> None		44b. Now dead Number _____ <input type="checkbox"/> None		47. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)	
44c. DATE OF LAST LIVE BIRTH (Month, Year)		44d. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		48. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)	
44e. DATE OF LAST LIVE BIRTH (Month, Year)		44f. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		49. PRENATAL VISITS-Total Number (If none, enter "0")	
44g. DATE OF LAST LIVE BIRTH (Month, Year)		44h. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		50. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	
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		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	
58. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY		59. MOTHER'S MEDICAL RECORD NO.			
<input type="checkbox"/> Medicaid <input type="checkbox"/> Indian Health Service <input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Self-pay <input type="checkbox"/> Other <input type="checkbox"/> Unknown			
60. NEWBORN'S MEDICAL RECORD NO.		61. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR			
62. INFANT TRANSFERRED (Within 24 hours of delivery)		For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked <b>per day</b> during each time period. If none, enter "0". Average number of cigarettes or packs of cigarettes <b>smoked per day</b> 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			



Parent's Telephone Number: \_\_\_\_\_

CHILD'S NAME \_\_\_\_\_

MOTHER'S NAME \_\_\_\_\_

Test required by K.S.A. 65-153f 153G Serological Test Made:  _____ 1 <sup>st</sup> _____ 2 <sup>nd</sup> _____ 3 <sup>rd</sup> (Trimester) _____ At Delivery _____ Not Performed If no test made, state reason:		Test required by K.S.A. 65-180 Infant Neonatal Screening specimen taken:  _____ Yes _____ No Kit Number _____  If no test made, state reason:		Test required by K.S.A. 65-1157A Newborn Hearing Screening Accomplished:  _____ Yes _____ No			
Infant's patient number:							
Infant's Primary Care Physician							
First		Middle		Last		Title (MD, DO, etc.)	
If screening accomplished, Date hearing screened _____/_____/_____ Month/Day/Year			The results of the hearing screening ✓:			Right ear: _____ Pass _____ Refer for further testing	
			Left ear: _____ Pass _____ Refer for further testing				
Physiologic equipment used ✓: _____ OAE _____ AABR _____ ABR							
If screening not accomplished, ✓ one reason:							
_____ b – missed appointment		_____ o – other					
_____ c – could not test		_____ r – did not consent					
_____ d – deceased		_____ s – scheduled but not completed					
_____ i – Incomplete test		_____ t – transferred to another hospital					
_____ m – Infant discharged before screening		_____ u – no information					
_____ n – transferred to NICU		_____ x – invalid results					

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)
<b>25. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH</b>			
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)	



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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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> - 12 <sup>th</sup> 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	49. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	
45c. DATE OF LAST LIVE BIRTH (Month, Year)		46c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, 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 <b>smoked per day</b> . If none, enter "0". Average number of cigarettes or packs of cigarettes smoked <b>per day</b> : 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><b>59. NUTRITION OF MOTHER</b></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><b>60. MEDICAL RISK FACTORS</b> (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><b>61. METHOD OF DELIVERY</b></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><b>62. MATERNAL MORBIDITY</b> (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><b>63. INFECTIONS PRESENT AND/OR TREATED</b> (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><b>64. CONGENITAL ANOMALIES OF THE NEWBORN</b> (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: \_\_\_\_\_ 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> (Trimester) \_\_\_\_\_ At Delivery \_\_\_\_\_ Not Performed

If no test made, state reason: \_\_\_\_\_

TYPE  
OR  
PRINT IN  
PERMANENT  
INK

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

**Report of Induced Termination of Pregnancy**

State File Number

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 <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td align="center" colspan="2">Month</td> <td align="center" colspan="2">Day</td> <td align="center" colspan="2">Year</td> </tr> </table>							Month		Day		Year	
Month		Day		Year											
6a. Residence <i>US State or Country</i>	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  <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td align="center" colspan="2">Month</td> <td align="center" colspan="2">Day</td> <td align="center" colspan="2">Year</td> </tr> </table>							Month		Day		Year		11. Clinical Estimate of Gestation <i>(Weeks) (1)</i>	12. Previous Pregnancies <i>(Enter number or zero in every section)</i>	
Month		Day		Year											
		Live Births		12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)										
		12a. Now Living	12b. Now Dead												
<b>13 TERMINATION PROCEDURES</b>															
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) _____												

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

## REPORT OF INDUCED TERMINATION OF PREGNANCY (Cont.)

Complete the following items only if the clinical estimate of gestational age is 22 weeks or more	
14.	Reasons for determining gestational age 22 weeks or more
15a	Was fetus viable? <input type="checkbox"/> YES <input type="checkbox"/> NO
15b	Reasons for the determination
Complete 16a-c only if 15a is yes	
16a	Was this abortion necessary to (Check all that apply)  <input type="checkbox"/> Prevent patient's death <input type="checkbox"/> Prevent substantial and irreversible impairment of a major bodily function
16b	Reasons for determination
16c	Basis for determination
Complete the following items only if a partial birth procedure was performed	
17a	Was fetus viable? <input type="checkbox"/> YES <input type="checkbox"/> NO
17b	Reasons for determination
Complete 18a-b only if 17a is yes	
18a	Was this abortion necessary to (Check all that apply)  <input type="checkbox"/> Prevent patient's death <input type="checkbox"/> Prevent substantial and irreversible impairment of a major bodily function If so, was the impairment <input type="checkbox"/> Physical <input type="checkbox"/> Mental
18b	Reasons for determination

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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

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Month	Day	Year									
6a. Residence US State or Country		6b. County									
		6c. City or Town									
		6d. Inside City Limits <input type="checkbox"/> Yes <input type="checkbox"/> No									
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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  
VS 213 Rev. 6/2011

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

16a Was fetus viable?  
 YES       NO

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

Complete 16a-c only if 15a is yes

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

Prevent patient's death  
 Prevent substantial and irreversible impairment of a major bodily function

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

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

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

18a Was fetus viable?  
 YES       NO

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

Complete 18a-b only if 17a is yes

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

Prevent patient's death  
 Prevent substantial and irreversible physical impairment of a major bodily function

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