



Adolescent and Teenage
Pregnancy Report
Kansas, 2012

Research
Summary

Kansas Department of Health and Environment
Division of Public Health
Bureau of Epidemiology and Public Health Informatics
Curtis State Office Building – 1000 SW Jackson, Topeka, KS, 66612-1354
<http://www.kdheks.gov/bepi/>
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This Research Summary Was Prepared By:

Kansas Department of Health and Environment
Robert Moser, MD, Secretary and State Health Officer

Bureau of Epidemiology and Public Health Informatics
D. Charles Hunt, MPH, Director and State Epidemiologist
Elizabeth W. Saadi, PhD, Deputy Director and State Registrar

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

Desktop Publishing by: Laurie Stanley

Data for this report were collected by:

Office of Vital Statistics
Donna Calabrese, Director

Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

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

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Executive Summary

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

Pregnancy rates among Kansas resident females aged 10-19 dropped by 5.7 percent from 2011 to 2012. Rates among females aged 10-14, 10-17, 15-17 and 18-19 as individual age groups also dropped in 2012.

The Kansas pregnancy rate among females 15-17 years of age (17.0 per 1,000 population) 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 (70.8 per 1,000 population) also compares favorably with the Healthy People 2020 national target of 105.9 pregnancies per 1,000 age group specific female population.

While Kansas has lower teen pregnancy rates than the national targets, 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 continues. In 2012, the Kansas rate decreased 3.7 percent while the preliminary U.S. rate decreased 6.1 percent.

Disparities continue to exist among population groups in Kansas. For example, pregnancy rates for Black non-Hispanic and Hispanic teens between the ages of 10-17 years were three times higher than the rate for White non-Hispanics of the same age group in 2010. However, Hispanic and Black non-Hispanic adolescent and teen pregnancy rates among 10-17 year-olds have decreased 30.2 percent and 48.9 percent, respectively, from 2010 to 2012, while White non-Hispanics have decreased 21.7 percent during that time period.

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 age group-specific female population and females aged 18-19 to 105.9 per 1,000 age group-specific female population[6].

KDHE is active in a number of areas to reduce teen and adolescent pregnancies, including the Teen Pregnancy Targeted Case Management (TPTCM) Program and the Kansas Abstinence Education Program. The TPTCM programs provide comprehensive case management services to pregnant 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 2012. 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, 2012* 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, 2012*. This is done to enhance the utility of this report to readers. In this report, the reader will also see a number of different combinations of age-groups, i.e., 10-14, 10-17, 15-17, 18-19, and 10-19, used in the tabulations. This is done to provide the diverse audience of legislators, policy makers, media, program administrators, and the public who closely monitor pregnancy issues with a data summary that meets their needs. Findings tested for statistical significance will be noted in the Results and Discussion sections.

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

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

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

The Adequacy of Prenatal Care Utilization (APNCU) Index (or Kotelchuck Index) attempts to characterize prenatal care (PNC) utilization based on two independent and distinct dimensions: adequacy of initiation of PNC and the number of prenatal care visits received once care has begun. However, the index does not assess the quality of

prenatal care delivered. The APNCU, through the categories of inadequate, intermediate, adequate, and adequate plus, characterizes the adequacy of pregnancy-related health services provided to a woman between conception and delivery. [10].

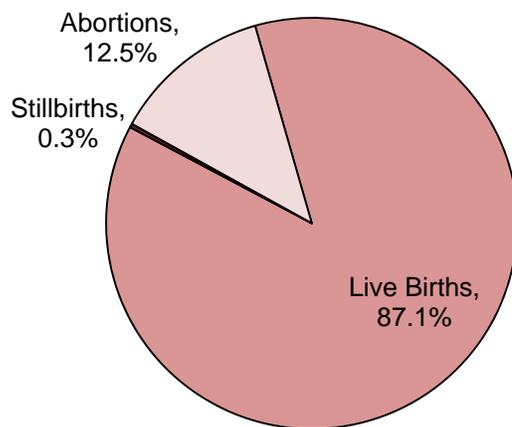
Results and Discussion

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

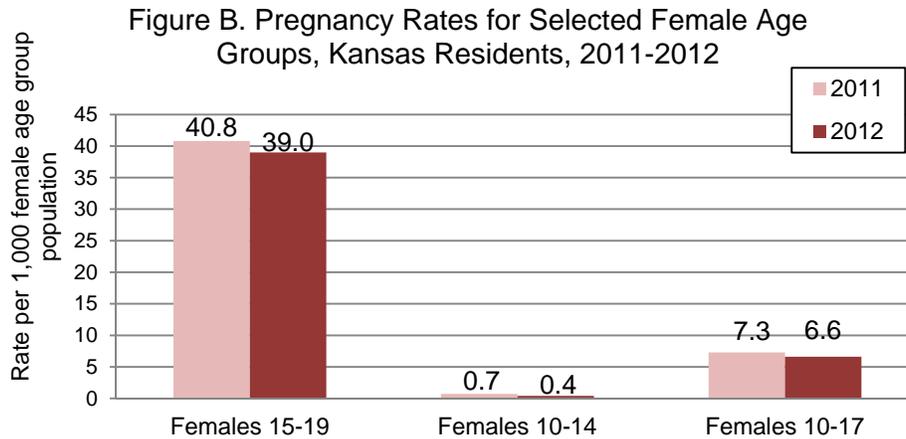
Females aged 10-19 accounted for 8.6 percent (3,823) of the 44,301 pregnancies in 2012. Of those pregnancies, 87.1 percent resulted in a live birth (3,331), 12.5 percent in abortion (479), and the remainder in stillbirths (13) (Figure A, Table 1).

The pregnancy rate for females aged 10-19 was 19.7 per 1,000 age group specific female population in 2012, down 5.7 percent from 2011 (20.9 per 1,000 population) (Table 2).

Figure A. Pregnancy Outcomes among Females Aged 10-19 Years, Kansas, 2012 (n=3,823)

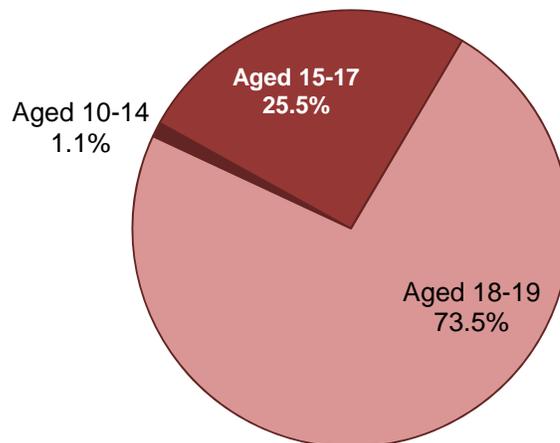


The pregnancy rate for females aged 10-17 dropped 9.6 percent to 6.6 per 1,000 age group specific female population in 2012 from 7.3 in 2011. The 2012 rate for females aged 15-19, 39.0 per 1,000, dropped 4.4 percent from the 2011 rate of 40.8 per 1,000. The rate for females aged 10-14 in 2012 was 0.4 per 1,000, a slight decrease from the 2011 rate of 0.7 (Figure B, Table 2).



Seven out of 10 pregnant adolescents and teens were 18-19 years of age, 25.5 percent were 15-17 years of age, while slightly over 1.0 percent were 10-14 years of age (Table 2, Figure C).

Figure C. Percentage of Adolescent and Teen Pregnancies by Female Age Group, Kansas, 2012 (n=3,823)

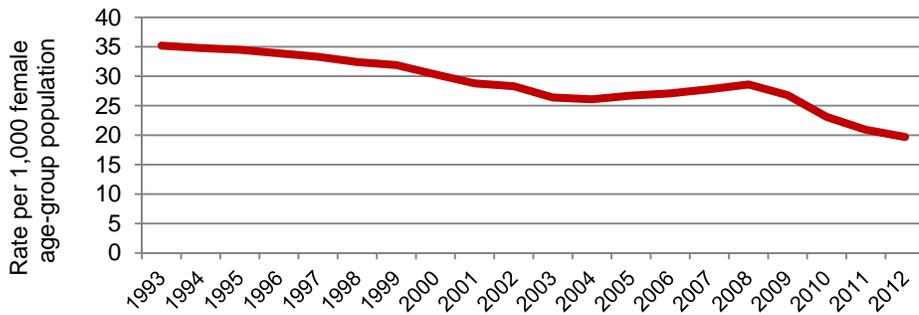


The Kansas teenage pregnancy rates for females 15-19 years of age decreased 46.8 percent between 1993 and 2012. Teen pregnancy rates for females aged 10-17 decreased 58.5 percent during this same time period (Table 2, Figure 1).

Trends 2012

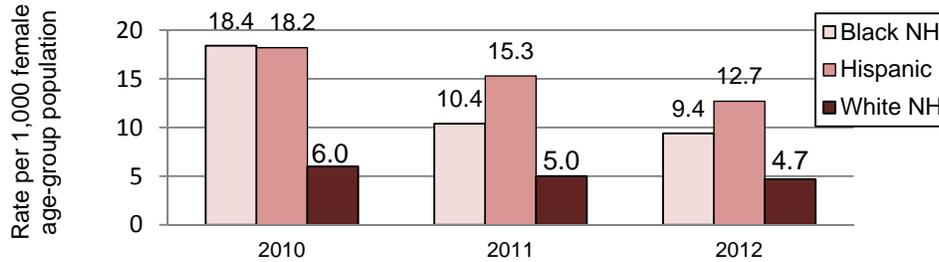
The number and single year rate of adolescent and teenage pregnancies (aged 10-19) decreased in 2012, continuing the decline that began in 2009 after a series of increases between 2004 and 2008. The longer term trend is also downward. Teenage pregnancy rates (aged 10-19) dropped 44.0 percent overall during the past two decades (1993-2012) (Table 2, Figure D).

Figure D. Pregnancy Rates among Females Aged 10-19 Years
Kansas, 1993-2012



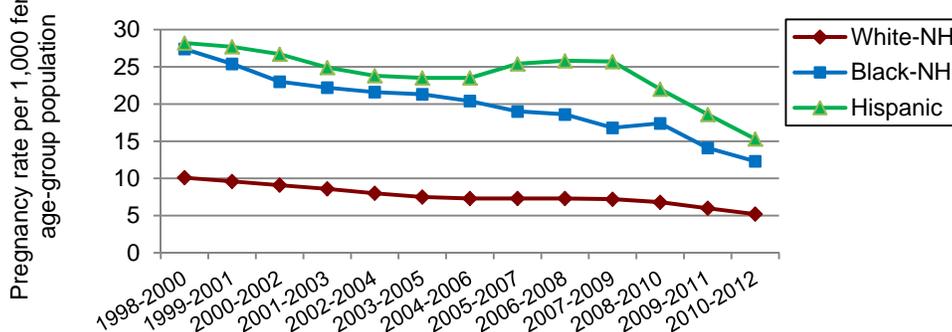
Pregnancy rates for Black non-Hispanic and Hispanic adolescents and teens 10-17 years of age were three times that for White non-Hispanic adolescents and teens in 2010. In 2011, Black non-Hispanic adolescents and teens decreased to about twice the pregnancy rate of White non-Hispanic adolescents and teens, while Hispanic adolescent and teen pregnancy rates declined but remained three times the White non-Hispanic rate. All selected population groups of teens and adolescents declined again in 2012 (Figure E, Table 3). Black non-Hispanics had less than twice the rate of White non-Hispanics and Hispanics had slightly less than three times the rate of White non-Hispanics.

Figure E. Pregnancy Rates among Females Aged 10-17 Years
by Selected Population Groups, Kansas, 2010-2012

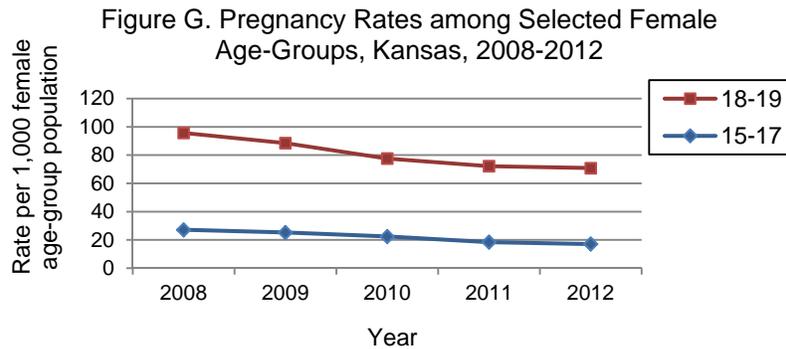


Trends of three year rolling averages from 1998 through 2012 show overall declining trends in pregnancy rates among Black and White non-Hispanic and Hispanic adolescents and teens 10-17 years of age, (Figure F).

Figure F. Three Year Rolling Average
Pregnancy Rates for Selected Population Groups
Females Aged 10-17 Years, Kansas, 1998-2012



Pregnancy rates among females 15-17 years of age, (17.0 per 1,000 population) and females aged 18-19 (70.8 per 1,000 population) were the lowest rates in five years for both age-groups, with a steady decline from 2008-2012. Both rates compare favorably with the Healthy People 2020 national targets of 36.2 pregnancies per 1,000 age group-specific female population among females aged 15-17 years and 72.2 per 1,000 age group-specific population among females aged 18-19 years (Table 2, Figure G).



Geographic Detail

Five-year (2008-2012) county pregnancy rates for females aged 15-19 were compared to the state rate and tested for statistically significant differences. Rates for 20 counties were significantly higher than the state rate, and 28 counties were significantly lower than the state rate. Rates for 45 counties were not statistically significantly different from the state rate, while the number of pregnancies among adolescents and teens in 12 counties was too small (under 20 pregnancies) for reliable rate comparisons (Figure 5).

Five-year pregnancy rates for females aged 15-19 ranged from a low of 4.9 per 1,000 age group-specific female population in Gove County to a high of 101.0 per 1,000 age group-specific female population in Seward County (Table 4, Figure 2). These rates were compared to the five-year state rate of 46.7 per 1,000 female age group specific population. The number of teen pregnancies in Gove County, however, was too few for the rate to be considered reliable. Therefore, Nemaha county had the lowest reliable rate of 14.8 per 1,000 population and was significantly lower than the state rate, while the Seward county rate was significantly higher than the state rate, ($p < .05$).

In 2012, densely-settled rural counties had the highest pregnancy rates for 10-19 year old females (23.7 per 1,000 population), followed by semi-urban (19.6 per 1,000 population) and urban (18.9 per 1,000 population) counties (Table 1).

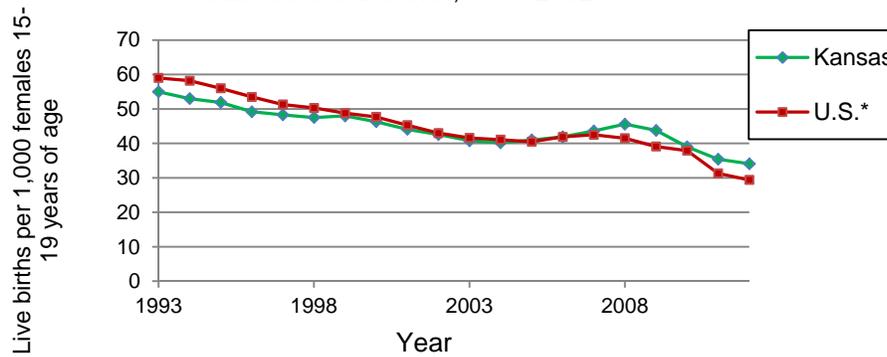
The five-year (2008-2012) teen pregnancy rate for Kansas resident females 10-19 years of age was 24.7 per 1,000 age group-specific female population. The lowest five-year rate in the state was in Gove County with 3.5 pregnancies per 1,000 females 10-19 years of age. The highest rate was in Seward County with 48.3 pregnancies per 1,000 females 10-19 years of age (Table 5).

Birth Rates

In 2012, the birth rate for Kansas mothers aged 15-19 (34.1 per 1,000 population) dropped by 3.7 percent from 2011 (35.4 per 1,000 population). During the 20-year

period from 1993 to 2012, birth rates for Kansas mothers 15-19 years of age decreased by 38.0 percent (Figure H). For 13 years (1993 – 2004), the Kansas rate was lower than the U.S. rate for births to teens aged 15-19. Since 2005, the U.S. rate has dropped faster than the Kansas rate. In 2012, the Kansas birth rate is higher than the preliminary U.S. birth rate by a difference of 4.7 percentage points [11].

Figure H. Birth Rates for Mothers 15-19 Years of Age
Kansas and the U.S., 1993-2012

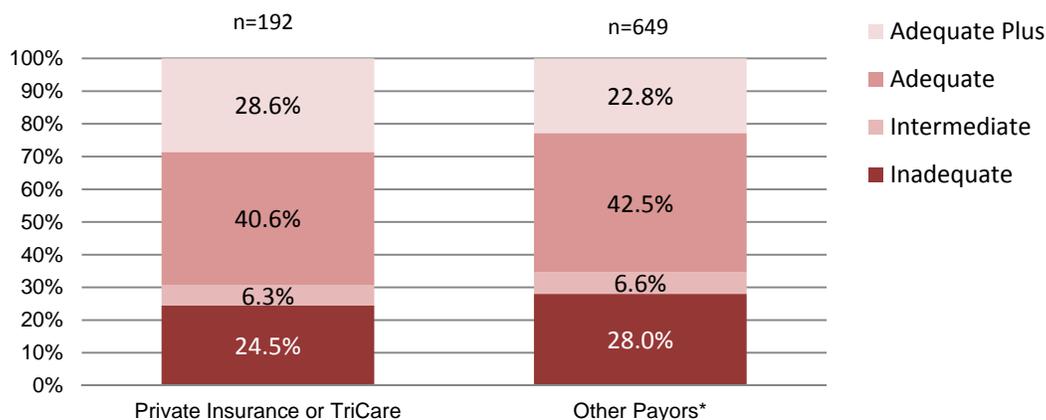


* U.S. birth rate for 2012 is based on preliminary data

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 2012 among adolescents for whom the primary pay source for delivery was private insurance or TRICARE (24%) than for adolescents with Medicaid or other pay sources (28.0%) (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 (30.8%) than when Medicaid or some other agency was the primary payor (34.6%). Of the 861 live births to Kansas mothers aged 10-17, 20 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, 2012



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

Conclusions

Pregnancy rates continued to decline among Kansas females aged 10-19 in 2012. Declines were seen each age group (10-14, 10-17, 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 for ages 15-17 and 18-19, respectively [6] (Table 1). Furthermore, the national birth rate for teens ages 15-19 fell by 6.1 percent according to preliminary 2012 figures released by the National Center for Health Statistics, while the Kansas birth rate decreased by 3.7 percent [11].

Birth rates among White non-Hispanic, Black non-Hispanic and Hispanic adolescents and teens aged 10-17 years decreased from 2011 to 2012. While Black non-Hispanic and Hispanic adolescent teen birth and pregnancy rates declined in 2012 from 2011, both population groups remain higher than White non-Hispanic pregnancy and birth rates (Table 3). Among older teens aged 18-19 years, White non-Hispanic pregnancy and birth rates increased slightly while Black non-Hispanic and Hispanic teen pregnancy and birth rates declined (Table 7).

Pregnant women who receive inadequate prenatal care are at increased risk of bearing infants who have low birth weight, are stillborn, or die within the first year of life [12]. Inadequate prenatal care is strongly associated with preterm birth among adolescents [13]. 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 (Figure I).

Limitations

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

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Detailed Tables and Figures

Table 1. Pregnancies*, Females Aged 10-19 Years, by Component
by County of Residence and Peer Group, Kansas, 2012

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	17	0	0	0	3	0	20	20	404	467	0.0	42.8	23.0
Anderson	0	3	0	0	0	1	0	4	4	276	240	0.0	16.7	7.8
Atchison	0	20	0	0	0	3	0	23	23	519	827	0.0	27.8	17.1
Barber	0	10	0	0	0	0	0	10	10	127	143	0.0	69.9	37.0
Barton	1	41	0	0	0	1	1	42	43	890	942	1.1	44.6	23.5
Bourbon	0	29	0	0	0	4	0	33	33	483	490	0.0	67.3	33.9
Brown	0	13	0	0	0	0	0	13	13	319	302	0.0	43.0	20.9
Butler	0	67	0	0	0	8	0	75	75	2574	2450	0.0	30.6	14.9
Chase	0	1	0	0	0	0	0	1	1	96	74	0.0	13.5	5.9
Chautauqua	0	3	0	1	0	0	0	4	4	96	110	0.0	36.4	19.4
Cherokee	0	30	0	0	1	1	1	31	32	750	683	1.3	45.4	22.3
Cheyenne	0	1	0	0	0	0	0	1	1	68	61	0.0	16.4	7.8
Clark	0	3	0	0	0	0	0	3	3	82	73	0.0	41.1	19.4
Clay	0	6	0	0	0	1	0	7	7	276	244	0.0	28.7	13.5
Cloud	0	10	0	0	0	0	0	10	10	292	349	0.0	28.7	15.6
Coffey	0	6	0	0	0	0	0	6	6	289	282	0.0	21.3	10.5
Comanche	0	0	0	0	0	0	0	0	0	85	63	0.0	0.0	0.0
Cowley	0	61	0	0	0	4	0	65	65	1201	1329	0.0	48.9	25.7
Crawford	1	37	0	0	0	7	1	44	45	1200	1480	0.8	29.7	16.8
Decatur	0	1	0	0	0	0	0	1	1	78	64	0.0	15.6	7.0
Dickinson	1	17	0	0	0	6	1	23	24	661	620	1.5	37.1	18.7
Doniphan	2	10	0	0	0	2	2	12	14	231	324	8.7	37.0	25.2
Douglas	0	67	0	1	2	26	2	94	96	2785	5291	0.7	17.8	11.9
Edwards	0	4	0	0	0	0	0	4	4	105	95	0.0	42.1	20.0
Elk	0	2	0	0	0	0	0	2	2	70	78	0.0	25.6	13.5
Ellis	1	22	0	0	0	4	1	26	27	730	1039	1.4	25.0	15.3
Ellsworth	0	2	0	0	0	1	0	3	3	145	152	0.0	19.7	10.1
Finney	1	98	0	1	0	3	1	102	103	1618	1483	0.6	68.8	33.2
Ford	0	87	0	0	0	3	0	90	90	1358	1268	0.0	71.0	34.3
Franklin	0	30	0	0	0	6	0	36	36	886	839	0.0	42.9	20.9
Geary	0	72	0	0	0	15	0	87	87	1230	985	0.0	88.3	39.3
Gove	0	1	0	0	0	0	0	1	1	86	85	0.0	11.8	5.8
Graham	0	3	0	0	0	0	0	3	3	63	74	0.0	40.5	21.9
Grant	0	15	0	0	0	1	0	16	16	345	277	0.0	57.8	25.7
Gray	0	6	0	0	0	1	0	7	7	248	231	0.0	30.3	14.6
Greeley	0	0	0	0	0	0	0	0	0	42	36	0.0	0.0	0.0
Greenwood	0	11	0	0	0	1	0	12	12	204	176	0.0	68.2	31.6
Hamilton	0	6	0	0	0	0	0	6	6	102	70	0.0	85.7	34.9
Harper	0	6	0	0	0	0	0	6	6	173	190	0.0	31.6	16.5
Harvey	0	50	0	0	0	2	0	52	52	1199	1265	0.0	41.1	21.1
Haskell	0	14	0	0	0	0	0	14	14	186	180	0.0	77.8	38.3
Hodgeman	0	0	0	0	0	0	0	0	0	62	58	0.0	0.0	0.0
Jackson	0	9	0	0	0	0	0	9	9	477	452	0.0	19.9	9.7
Jefferson	0	17	0	0	0	2	0	19	19	647	624	0.0	30.4	14.9
Jewell	0	5	0	0	0	0	0	5	5	76	82	0.0	61.0	31.6
Johnson	0	262	0	0	2	101	2	363	365	19971	17695	0.1	20.5	9.7
Kearny	0	5	0	0	0	0	0	5	5	159	143	0.0	35.0	16.6
Kingman	0	6	0	0	0	0	0	6	6	262	269	0.0	22.3	11.3
Kiowa	0	1	0	1	0	1	0	3	3	72	105	0.0	28.6	16.9
Labette	0	24	0	0	0	2	0	26	26	664	607	0.0	42.8	20.5
Lane	0	0	0	0	0	0	0	0	0	62	52	0.0	0.0	0.0
Leavenworth	0	85	0	1	1	9	1	95	96	2640	2295	0.4	41.4	19.5
Lincoln	0	3	0	0	0	0	0	3	3	112	85	0.0	35.3	15.2
Linn	0	11	0	0	0	3	0	14	14	318	270	0.0	51.9	23.8
Logan	0	2	0	0	0	0	0	2	2	78	78	0.0	25.6	12.8

Table 1. Pregnancies*, Females Aged 10-19 Years, by Component
by County of Residence and Peer Group, Kansas, 2012

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	0	43	0	0	0	3	0	46	46	996	1419	0.0	32.4	19.0
Mcperson	1	28	0	0	0	2	1	30	31	1003	960	1.0	31.3	15.8
Marion	0	8	0	0	0	0	0	8	8	391	425	0.0	18.8	9.8
Marshall	0	7	0	0	0	1	0	8	8	328	266	0.0	30.1	13.5
Meade	0	2	0	0	0	0	0	2	2	168	204	0.0	9.8	5.4
Miami	0	24	0	0	0	6	0	30	30	1207	1123	0.0	26.7	12.9
Mitchell	0	0	0	0	0	0	0	0	0	190	171	0.0	0.0	0.0
Montgomery	0	66	0	0	0	0	0	66	66	1014	1137	0.0	58.0	30.7
Morris	1	9	0	0	0	0	1	9	10	174	151	5.7	59.6	30.8
Morton	0	5	0	0	0	1	0	6	6	120	107	0.0	56.1	26.4
Nemaha	0	4	0	0	0	0	0	4	4	390	338	0.0	11.8	5.5
Neosho	0	33	0	0	0	3	0	36	36	566	573	0.0	62.8	31.6
Ness	0	3	0	0	0	0	0	3	3	95	90	0.0	33.3	16.2
Norton	0	2	0	0	0	0	0	2	2	144	140	0.0	14.3	7.0
Osage	0	15	0	0	0	3	0	18	18	541	561	0.0	32.1	16.3
Osborne	0	3	0	0	0	0	0	3	3	96	119	0.0	25.2	14.0
Ottawa	0	3	0	0	0	0	0	3	3	193	198	0.0	15.2	7.7
Pawnee	0	5	0	0	0	1	0	6	6	185	176	0.0	34.1	16.6
Phillips	0	6	0	0	0	1	0	7	7	201	187	0.0	37.4	18.0
Pottawatomie	0	13	0	0	0	1	0	14	14	848	766	0.0	18.3	8.7
Pratt	1	18	0	0	0	0	1	18	19	284	345	3.5	52.2	30.2
Rawlins	0	2	0	0	0	0	0	2	2	71	72	0.0	27.8	14.0
Reno	1	61	0	0	0	6	1	67	68	2072	1955	0.5	34.3	16.9
Republic	0	5	0	0	0	0	0	5	5	145	127	0.0	39.4	18.4
Rice	0	10	0	0	0	1	0	11	11	317	359	0.0	30.6	16.3
Riley	1	46	0	0	0	24	1	70	71	1506	3390	0.7	20.6	14.5
Rooks	0	4	0	1	0	0	0	5	5	178	152	0.0	32.9	15.2
Rush	0	2	0	0	0	1	0	3	3	93	79	0.0	38.0	17.4
Russell	0	7	0	0	0	2	0	9	9	182	202	0.0	44.6	23.4
Saline	0	72	0	0	1	5	1	77	78	1774	1734	0.6	44.4	22.2
Scott	0	7	0	0	0	0	0	7	7	191	132	0.0	53.0	21.7
Sedgwick	11	721	0	1	2	54	13	776	789	17960	16533	0.7	46.9	22.9
Seward	0	66	0	1	0	3	0	70	70	899	889	0.0	78.7	39.1
Shawnee	1	253	0	2	1	42	2	297	299	5858	5631	0.3	52.7	26.0
Sheridan	0	2	0	0	0	1	0	3	3	73	71	0.0	42.3	20.8
Sherman	0	13	0	0	0	0	0	13	13	201	161	0.0	80.7	35.9
Smith	0	2	0	0	0	0	0	2	2	108	109	0.0	18.3	9.2
Stafford	0	8	0	0	0	1	0	9	9	116	137	0.0	65.7	35.6
Stanton	0	4	0	0	0	0	0	4	4	92	60	0.0	66.7	26.3
Stevens	0	9	0	0	0	0	0	9	9	225	225	0.0	40.0	20.0
Sumner	0	35	0	0	1	3	1	38	39	865	784	1.2	48.5	23.7
Thomas	0	13	0	0	0	1	0	14	14	247	343	0.0	40.8	23.7
Trego	0	2	0	0	0	0	0	2	2	87	104	0.0	19.2	10.5
Wabaunsee	0	9	0	0	0	0	0	9	9	249	208	0.0	43.3	19.7
Wallace	0	0	0	0	0	0	0	0	0	55	53	0.0	0.0	0.0
Washington	0	1	0	0	0	0	0	1	1	176	176	0.0	5.7	2.8
Wichita	0	2	0	0	0	0	0	2	2	78	68	0.0	29.4	13.7
Wilson	0	15	0	0	0	1	0	16	16	310	265	0.0	60.4	27.8
Woodson	0	3	0	0	0	0	0	3	3	102	82	0.0	36.6	16.3
Wyandotte	4	320	0	3	2	58	6	381	387	5710	5176	1.1	73.6	35.6
Unknown	0	0	0	0	1	18	1	18	19	n/a	0	n/a	n/a	n/a
Kansas	28	3,303	0	13	14	465	42	3,781	3,823	97,246	96,979	0.4	39.0	19.7
Peer Group														
Frontier	0	116	0	3	0	6	0	125	125	3,556	3,391	0.0	36.9	18.0
Rural	3	260	0	0	0	17	3	277	257	8,659	8,520	0.3	32.5	16.8
Densely-Settled Rural	6	694	0	2	2	55	8	751	782	15,445	16,089	0.5	46.7	23.7
Semi-Urban	3	525	0	0	1	79	4	604	608	14,662	16,358	0.3	36.9	19.6
Urban	16	1,708	0	8	10	290	26	2,006	2,032	54,924	52,621	0.5	38.1	18.9

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*,
Females Aged 10-19 Years
Kansas, 1993-2012

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
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
2012	3,823	42	973	2,808	1,015	3,781	19.7	0.4	17.0	70.8	6.6	39.0

*Rate per 1,000 female age-group population.
Pregnancies include the sum of live births, stillbirths and abortions.
Residence data
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 3
Pregnancies, Females Aged 10-17 Years, by Number and Rate*
for Selected Population Groups
Kansas, 1993-2012

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White		Black	White		Black	White		Black
	Non-Hispanic	Hispanic	Non-Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Hispanic	Non-Hispanic	Hispanic
1993	1,557	287	429	12.3	41.1	8.4	34.0	35.7	22.4
1994	1,629	344	403	12.7	37.8	8.6	38.1	32.9	24.0
1995	n/a†	n/a†	n/a†	n/a†	n/a†	8.6	n/a†	32.7	25.6
1996	1,642	325	376	12.5	34.7	8.1	31.6	27.6	28.1
1997	1,575	327	406	11.9	36.6	8.1	29.4	28.0	26.5
1998	1,462	325	319	11.1	28.2	7.4	27.5	22.1	23.6
1999	1,314	352	337	10.0	29.2	6.9	28.0	22.7	25.5
2000	1,184	385	293	9.3	24.9	6.5	29.1	19.6	25.4
2001	1,202	364	269	9.5	22.4	6.5	26.2	17.3	24.1
2002	1,078	364	267	8.7	21.8	5.9	24.9	16.2	23.6
2003	944	358	277	7.7	22.4	5.4	23.6	15.9	21.4
2004	901	351	248	7.5	20.7	5.7	22.9	15.7	20.7
2005	836	380	249	7.2	20.9	5.2	24.0	15.4	21.2
2006	866	408	236	7.3	19.5	5.2	23.6	14.0	20.9
2007	840	504	205	7.3	16.6	5.4	28.5	13.6	25.7
2008	842	460	239	7.4	19.6	5.6	25.4	15.2	23.3
2009	776	437	175	6.9	14.3	5.3	23.3	10.6	21.8
2010	661	416	185	6.0	18.4	4.9	18.2	14.2	17.1
2011	563	363	131	5.0	10.4	4.1	15.3	8.1	13.8
2012	524	310	117	4.7	9.4	3.9	12.7	7.2	12.0

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

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

† n/a: Not available. 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.

Kansas Residence data

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

Table 4. Pregnancy* Rates†, Females Aged 10-14 and 15-19 Years
by County of Residence, Kansas, 2008-2012

County of Residence	Year											
	2008		2009		2010		2011		2012		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	61.9	0.0	74.3	0.0	48.4	0.0	37.8	0.0	42.8	0.0	51.3
Anderson	0.0	50.2	0.0	50.2	0.0	58.1	0.0	42.0	0.0	16.7	0.0	45.1
Atchison	0.0	42.6	0.0	51.8	0.0	37.0	0.0	52.6	0.0	27.8	0.0	38.3
Barber	0.0	67.6	0.0	71.0	7.2	46.1	0.0	30.3	0.0	69.9	1.5	55.8
Barton	1.2	65.8	0.0	56.8	0.0	51.6	0.0	55.7	1.1	44.6	0.4	55.2
Bourbon	0.0	69.5	0.0	60.0	0.0	50.0	0.0	60.3	0.0	67.3	0.0	62.3
Brown	0.0	83.9	0.0	55.1	3.2	57.1	0.0	66.1	0.0	43.0	0.6	62.9
Butler	0.0	47.0	0.4	40.0	0.0	34.2	0.0	20.3	0.0	30.6	0.1	34.6
Chase	0.0	69.4	0.0	28.2	0.0	41.7	0.0	10.4	0.0	13.5	0.0	33.1
Chautauqua	0.0	71.9	0.0	80.0	0.0	0.0	0.0	46.7	0.0	36.4	0.0	49.7
Cherokee	1.4	65.7	0.0	60.6	1.3	57.2	0.0	52.4	1.3	45.4	0.8	58.4
Cheyenne	0.0	0.0	0.0	13.7	0.0	0.0	0.0	29.4	0.0	16.4	0.0	11.4
Clark	0.0	31.3	0.0	0.0	0.0	15.6	0.0	39.5	0.0	41.1	0.0	26.5
Clay	4.2	38.0	0.0	67.1	7.8	54.1	0.0	47.1	0.0	28.7	2.3	47.5
Cloud	0.0	56.4	0.0	45.2	0.0	57.1	0.0	33.7	0.0	28.7	0.0	43.6
Coffey	0.0	44.2	0.0	37.9	0.0	26.2	0.0	19.4	0.0	21.3	0.0	29.5
Comanche	0.0	19.2	0.0	20.8	0.0	40.8	0.0	35.3	0.0	0.0	0.0	25.8
Cowley	0.9	61.8	0.0	54.0	1.6	54.6	0.0	56.4	0.0	48.9	0.5	54.7
Crawford	0.9	53.7	0.9	54.5	0.0	33.0	1.7	43.9	0.8	29.7	0.9	41.0
Decatur	0.0	0.0	0.0	13.2	0.0	18.2	0.0	83.3	0.0	15.6	0.0	29.2
Dickinson	0.0	40.7	0.0	52.5	0.0	41.5	1.6	45.0	1.5	37.1	0.6	43.8
Doniphan	0.0	35.7	0.0	27.4	0.0	20.1	0.0	20.1	8.7	37.0	1.6	26.8
Douglas	0.3	21.5	0.0	18.6	0.4	18.8	0.4	31.7	0.7	17.8	0.4	18.4
Edwards	0.0	72.2	0.0	29.4	9.3	40.8	0.0	35.1	0.0	42.1	2.0	45.3
Elk	0.0	94.1	12.8	22.2	0.0	37.5	0.0	23.8	0.0	25.6	2.6	41.7
Ellis	0.0	40.6	1.6	28.9	1.4	38.2	0.0	36.9	1.4	25.0	0.9	31.0
Ellsworth	0.0	19.2	0.0	34.5	0.0	20.8	6.6	13.1	0.0	19.7	1.3	21.8
Finney	1.1	85.8	1.8	85.4	0.6	78.4	1.9	66.1	0.6	68.8	1.2	79.4
Ford	1.6	86.9	1.6	100.8	0.8	74.8	0.0	63.1	0.0	71.0	0.8	81.0
Franklin	0.0	62.5	0.0	49.9	1.1	46.8	1.2	35.1	0.0	42.9	0.5	47.4
Geary	0.0	109.4	0.0	108.4	0.9	81.0	0.0	76.9	0.0	88.3	0.2	96.0
Gove	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	11.8	0.0	7.3
Graham	0.0	28.2	0.0	28.6	0.0	61.5	0.0	60.6	0.0	40.5	0.0	41.9
Grant	0.0	69.6	3.6	99.0	0.0	90.6	0.0	44.6	0.0	57.8	0.6	75.1
Gray	0.0	62.1	0.0	37.9	0.0	8.4	0.0	22.9	0.0	30.3	0.0	30.5
Greeley	0.0	50.0	0.0	105.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.4
Greenwood	0.0	50.0	0.0	21.4	0.0	63.2	0.0	46.2	0.0	68.2	0.0	52.6
Hamilton	0.0	119.6	0.0	93.8	0.0	79.5	0.0	56.1	0.0	85.7	0.0	90.5
Harper	0.0	75.5	0.0	65.6	0.0	46.8	0.0	33.5	0.0	31.6	0.0	49.7
Harvey	0.0	41.0	0.9	42.6	0.0	40.4	0.0	41.8	0.0	41.1	0.2	41.5
Haskell	0.0	56.7	0.0	62.1	0.0	45.5	0.0	29.6	0.0	77.8	0.0	55.1
Hodgeman	0.0	13.7	0.0	27.8	0.0	15.9	0.0	14.1	0.0	0.0	0.0	15.2
Jackson	0.0	55.0	0.0	48.7	0.0	53.1	0.0	30.9	0.0	19.9	0.0	41.8
Jefferson	1.7	40.1	0.0	34.7	0.0	15.7	0.0	19.9	0.0	30.4	0.3	28.5
Jewell	0.0	36.1	0.0	11.9	0.0	14.5	0.0	12.8	0.0	61.0	0.0	28.1
Johnson	0.4	31.9	0.3	27.0	0.3	23.9	0.3	18.1	0.1	20.5	0.3	24.8
Kearny	0.0	87.5	0.0	51.7	6.3	64.7	0.0	35.7	0.0	35.0	1.3	56.7
Kingman	0.0	36.4	0.0	43.6	0.0	31.0	0.0	32.6	0.0	22.3	0.0	32.8
Kiowa	0.0	36.1	0.0	35.3	0.0	0.0	0.0	37.0	0.0	28.6	0.0	23.3
Labette	0.0	71.4	0.0	77.1	0.0	81.9	3.2	48.4	0.0	42.8	0.6	65.4
Lane	0.0	35.7	0.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9
Leavenworth	0.4	52.2	0.8	40.7	1.6	33.1	1.9	32.8	0.4	41.4	1.0	41.1
Lincoln	0.0	51.9	0.0	33.7	0.0	34.1	0.0	43.9	0.0	35.3	0.0	41.4
Linn	0.0	48.7	0.0	41.0	0.0	44.6	0.0	29.3	0.0	51.9	0.0	43.9
Logan	0.0	0.0	0.0	40.8	0.0	11.9	0.0	23.8	0.0	25.6	0.0	20.1

Table 4. Pregnancy* Rates†, Females Aged 10-14 and 15-19 Years
by County of Residence, Kansas, 2008-2012

County of Residence	Year											
	2008		2009		2010		2011		2012		5-year Rate	
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
Lyon	0.9	51.4	1.1	32.0	2.0	47.9	1.0	55.9	0.0	32.4	1.0	40.2
Mcperson	1.2	42.9	0.0	27.1	1.0	23.9	2.6	74.3	1.0	31.3	1.0	35.5
Marion	0.0	20.0	0.0	16.1	0.0	33.3	0.0	27.3	0.0	18.8	0.0	23.3
Marshall	4.2	34.4	0.0	23.8	0.0	28.0	0.0	13.2	0.0	30.1	0.5	22.2
Meade	0.0	55.6	0.0	69.9	0.0	29.2	0.0	49.8	0.0	9.8	0.0	41.2
Miami	1.0	35.8	0.9	53.4	0.8	33.7	0.0	26.6	0.0	26.7	0.5	35.8
Mitchell	0.0	29.1	0.0	11.2	0.0	17.1	0.0	34.3	0.0	0.0	0.0	19.8
Montgomery	0.0	73.3	1.0	60.0	1.0	56.4	1.0	49.3	0.0	58.0	0.6	58.4
Morris	0.0	44.3	0.0	36.6	0.0	55.6	0.0	36.6	5.7	59.6	1.1	47.3
Morton	0.0	54.1	7.9	100.8	0.0	61.4	0.0	36.2	0.0	56.1	1.6	63.9
Nemaha	0.0	12.3	0.0	12.1	0.0	19.4	0.0	13.3	0.0	11.8	0.0	14.1
Neosho	0.0	66.2	0.0	48.4	0.0	60.4	0.0	57.5	0.0	62.8	0.0	59.1
Ness	0.0	61.0	0.0	25.3	0.0	49.4	0.0	10.5	0.0	33.3	0.0	36.1
Norton	7.1	23.4	0.0	27.6	0.0	13.2	0.0	48.6	0.0	14.3	1.4	25.0
Osage	1.8	51.6	0.0	41.7	0.0	35.8	0.0	28.2	0.0	32.1	0.3	38.9
Osborne	0.0	59.8	0.0	35.7	0.0	43.9	0.0	60.3	0.0	25.2	0.0	44.5
Ottawa	0.0	28.4	0.0	27.5	0.0	45.2	0.0	16.3	0.0	15.2	0.0	25.3
Pawnee	0.0	45.7	0.0	45.9	0.0	40.5	0.0	30.7	0.0	34.1	0.0	41.4
Phillips	0.0	43.2	0.0	12.5	0.0	18.0	4.7	18.3	0.0	37.4	1.1	26.8
Pottawatomie	1.5	42.3	1.4	34.2	0.0	21.5	0.0	21.3	0.0	18.3	0.5	27.9
Pratt	0.0	75.5	0.0	57.6	0.0	27.1	0.0	58.6	3.5	52.2	0.7	51.8
Rawlins	0.0	12.0	0.0	37.0	0.0	32.3	0.0	15.4	0.0	27.8	0.0	24.8
Reno	0.0	60.7	0.0	65.1	0.0	44.1	1.0	36.6	0.5	34.3	0.3	48.2
Republic	0.0	61.1	0.0	29.4	0.0	40.7	0.0	41.4	0.0	39.4	0.0	43.5
Rice	3.7	26.1	0.0	28.6	3.2	33.5	0.0	46.5	0.0	30.6	1.3	31.6
Riley	0.0	27.7	0.0	27.4	1.4	23.3	1.4	59.1	0.7	20.6	0.7	24.8
Rooks	0.0	51.9	0.0	42.3	0.0	30.1	0.0	30.3	0.0	32.9	0.0	36.9
Rush	0.0	44.0	0.0	23.8	0.0	70.6	0.0	0.0	0.0	38.0	0.0	35.9
Russell	0.0	80.5	0.0	82.0	0.0	57.3	0.0	34.1	0.0	44.6	0.0	58.4
Saline	0.6	86.2	0.6	69.2	0.0	67.0	1.7	50.4	0.6	44.4	0.7	63.6
Scott	0.0	29.9	0.0	51.3	0.0	35.5	0.0	35.4	0.0	53.0	0.0	44.6
Sedgwick	0.9	68.5	1.1	71.2	0.5	57.1	0.9	46.4	0.7	46.9	0.8	59.0
Seward	1.1	118.2	0.0	113.4	1.1	78.6	1.1	90.6	0.0	78.7	0.7	96.9
Shawnee	1.3	60.9	0.5	66.8	0.9	56.8	1.2	48.2	0.3	52.7	0.8	58.1
Sheridan	0.0	41.7	0.0	41.7	0.0	0.0	0.0	21.5	0.0	42.3	0.0	32.9
Sherman	0.0	58.8	0.0	33.7	0.0	89.7	0.0	36.3	0.0	80.7	0.0	59.3
Smith	0.0	55.6	0.0	26.5	0.0	17.9	0.0	20.0	0.0	18.3	0.0	26.8
Stafford	0.0	46.4	0.0	34.0	0.0	63.4	0.0	26.5	0.0	65.7	0.0	47.8
Stanton	0.0	156.6	0.0	70.6	0.0	63.3	0.0	23.0	0.0	66.7	0.0	80.2
Stevens	0.0	70.7	5.4	55.0	0.0	52.9	0.0	21.9	0.0	40.0	1.0	47.7
Sumner	0.0	56.5	0.0	40.9	0.0	56.9	0.0	40.7	1.2	48.5	0.2	49.8
Thomas	0.0	44.9	0.0	39.5	0.0	20.2	0.0	54.3	0.0	40.8	0.0	35.1
Trego	0.0	40.0	0.0	46.0	0.0	19.8	0.0	26.3	0.0	19.2	0.0	26.9
Wabaunsee	0.0	38.6	0.0	47.4	0.0	19.1	0.0	8.2	0.0	43.3	0.0	31.3
Wallace	0.0	20.4	0.0	0.0	0.0	16.7	0.0	16.9	0.0	0.0	0.0	10.9
Washington	0.0	28.2	0.0	30.9	0.0	6.4	0.0	10.5	0.0	5.7	0.0	16.8
Wichita	0.0	25.6	0.0	63.3	0.0	66.7	12.5	12.3	0.0	29.4	2.6	39.8
Wilson	3.6	59.9	0.0	69.0	3.2	70.4	0.0	40.9	0.0	60.4	1.3	61.8
Woodson	0.0	68.5	0.0	66.7	0.0	123.3	0.0	49.0	0.0	36.6	0.0	70.3
Wyandotte	2.4	106.4	1.7	105.5	1.6	89.7	1.9	67.3	1.1	73.6	1.7	90.7
Kansas	0.7	55.0	0.6	51.6	0.6	45.1	0.7	40.7	0.4	39.0	0.6	46.2

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

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

2008-2012 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†, Females Aged 10-19 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Allen	32.9	38.0	27.4	18.1	23.0	27.6
Anderson	25.7	24.4	27.4	23.2	7.8	21.7
Atchison	22.9	28.1	21.9	21.5	17.1	22.2
Barber	35.0	36.5	27.6	14.1	37.0	30.1
Barton	36.3	30.2	26.8	28.8	23.5	29.1
Bourbon	36.4	30.6	25.7	32.4	33.9	31.7
Brown	41.3	27.9	30.3	36.5	20.9	31.4
Butler	24.6	20.3	16.9	10.6	14.9	17.3
Chase	36.5	13.4	18.8	6.0	5.9	15.3
Chautauqua	41.3	42.9	0.0	24.5	19.4	26.5
Cherokee	34.2	28.5	27.4	29.3	22.3	28.4
Cheyenne	0.0	6.6	0.0	15.4	7.8	5.8
Clark	15.2	0.0	7.1	21.3	19.4	12.9
Clay	22.0	33.8	31.1	24.0	13.5	25
Cloud	34.3	26.6	32.7	15.6	15.6	25
Coffey	19.6	17.7	12.0	10.3	10.5	13.9
Comanche	9.3	8.8	16.1	21.3	0.0	11.1
Cowley	35.3	30.2	29.3	28.3	25.7	29.8
Crawford	30.7	32.2	19.0	20.4	16.8	23.7
Decatur	0.0	6.8	7.4	52.6	7.0	14
Dickinson	20.4	26.0	21.0	24.3	18.7	22.1
Doniphan	20.0	15.3	11.7	8.6	25.2	16.1
Douglas	14.3	12.8	12.6	10.5	11.9	12.4
Edwards	38.7	15.3	24.3	19.6	20.0	23.3
Elk	49.1	17.9	19.5	12.7	13.5	22.8
Ellis	24.9	19.3	23.6	14.4	15.3	19.4
Ellsworth	9.8	17.8	10.1	9.8	10.1	11.7
Finney	43.1	42.1	38.4	37.8	33.2	39.1
Ford	43.5	49.8	37.2	35.0	34.3	39.8
Franklin	33.0	26.7	24.5	18.2	20.9	24.6
Geary	50.0	57.8	41.4	44.7	39.3	46.1
Gove	0.0	10.9	0.0	0.0	5.8	3.5
Graham	14.6	14.5	28.4	28.6	21.9	21.6
Grant	35.3	52.3	41.2	25.8	25.7	35.8
Gray	27.2	17.7	3.9	11.7	14.6	14.4
Greeley	21.5	48.2	0.0	0.0	0.0	14.9
Greenwood	25.4	9.9	27.8	27.4	31.6	24.3
Hamilton	62.1	52.0	40.0	32.3	34.9	44.2
Harper	35.9	31.7	21.7	16.9	16.5	24.5
Harvey	21.5	22.7	20.3	21.6	21.1	21.4
Haskell	29.0	30.8	21.6	16.0	38.3	26.9
Hodgeman	7.0	13.6	7.2	7.5	0.0	7.4
Jackson	26.4	23.5	24.6	16.4	9.7	20.1
Jefferson	20.7	17.6	7.6	10.7	14.9	14.1
Jewell	17.6	6.1	6.8	6.6	31.6	13.9
Johnson	15.2	12.9	11.1	10.0	9.7	11.7
Kearny	46.7	27.2	33.4	19.7	16.6	28.6
Kingman	18.4	22.3	14.5	16.1	11.3	16.5
Kiowa	20.8	19.4	0.0	14.9	16.9	13.7
Labette	36.9	38.7	43.8	26.1	20.5	33.6
Lane	17.9	9.0	0.0	0.0	0.0	5.2
Leavenworth	26.0	20.0	16.9	18.8	19.5	20.2
Lincoln	23.3	15.1	15.7	24.4	15.2	18.7
Linn	23.6	19.9	19.9	16.1	23.8	20.6
Logan	0.0	22.9	6.0	11.8	12.8	10.8

Table 5. Pregnancy* Rates†, Females Aged 10-19 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Lyon	30.2	20.0	29.2	23.2	19.0	24.4
Mcperson	23.8	14.6	12.1	40.0	15.8	17.5
Marion	11.0	8.5	17.2	14.9	9.8	11.9
Marshall	21.5	12.7	13.3	6.7	13.5	13.4
Meade	24.7	29.1	13.6	26.5	5.4	19.6
Miami	17.8	25.9	15.9	14.4	12.9	17.3
Mitchell	18.5	6.6	8.0	19.1	0.0	10.6
Montgomery	38.6	31.7	31.7	24.6	30.7	31.4
Morris	24.3	17.9	27.0	20.3	30.8	23.8
Morton	27.0	52.8	27.6	20.4	26.4	31
Nemaha	5.8	5.7	8.7	7.2	5.5	6.6
Neosho	35.4	25.4	30.8	29.6	31.6	30.5
Ness	32.9	11.9	23.5	5.6	16.2	17.6
Norton	14.9	13.6	6.8	23.9	7.0	13.3
Osage	26.8	21.0	16.8	15.3	16.3	19.3
Osborne	31.4	17.9	21.6	30.3	14.0	23.1
Ottawa	14.1	12.3	20.1	7.6	7.7	12.3
Pawnee	24.3	23.7	17.8	17.7	16.6	20
Phillips	22.9	6.4	8.2	12.6	18.0	13.6
Pottawatomie	22.2	17.7	9.9	11.5	8.7	13.7
Pratt	41.3	32.2	15.2	27.8	30.2	29
Rawlins	6.9	20.7	15.5	7.8	14.0	13
Reno	30.7	31.9	22.5	19.6	16.9	24.1
Republic	34.6	15.3	19.4	22.6	18.4	21.7
Rice	18.3	18.1	19.9	22.5	16.3	19
Riley	19.3	20.0	17.0	18.1	14.5	17.8
Rooks	23.6	20.1	15.0	15.5	15.2	17.7
Rush	23.3	12.3	37.0	0.0	17.4	17.8
Russell	40.6	40.7	28.6	17.2	23.4	29.6
Saline	40.8	33.1	32.8	27.5	22.2	31.2
Scott	15.0	25.5	16.2	21.7	21.7	20.2
Sedgwick	34.1	35.3	28.4	25.7	22.9	29.2
Seward	59.3	53.0	40.4	49.9	39.1	48.3
Shawnee	30.7	32.8	28.3	26.8	26.0	28.8
Sheridan	21.9	21.7	0.0	13.1	20.8	15.4
Sherman	32.8	17.9	41.1	19.2	35.9	29.3
Smith	28.2	14.2	9.3	9.3	9.2	14
Stafford	25.5	17.9	31.8	14.2	35.6	24.8
Stanton	85.5	38.7	29.2	13.2	26.3	38.4
Stevens	36.6	31.2	26.1	11.5	20.0	24.4
Sumner	29.3	20.1	26.4	22.2	23.7	24.3
Thomas	26.5	24.7	12.3	20.4	23.7	21.5
Trego	20.0	24.2	10.6	10.5	10.5	14.7
Wabaunsee	20.2	23.5	8.8	4.3	19.7	15
Wallace	10.6	0.0	9.5	8.7	0.0	5.7
Washington	14.3	15.0	2.9	5.7	2.8	8.1
Wichita	12.7	34.2	29.2	13.6	13.7	20.5
Wilson	33.5	35.7	35.3	22.5	27.8	31.7
Woodson	32.3	31.1	52.3	28.1	16.3	31.4
Wyandotte	54.5	52.9	44.8	38.6	35.6	46.4
Kansas	28.6	26.8	23.1	20.9	19.7	24.7

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

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

2008-2012 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 Informat
Kansas Department of Health and Environment

Table 6
Pregnancies, Females Aged 15-17 Years, by Number and Rate*
for Selected Population Groups
Kansas, 1993-2012

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
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	536	113	344	12.6	23.9	42.3	10.3	19.3	38.5
2012	508	106	298	12.1	22.7	35.9	10.0	17.7	34.0

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

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

† n/a: Not available. 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, Females Aged 18-19 Years, by Number and Rate*
for Selected Population Groups
Kansas, 1993-2012

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
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	1,747	338	700	57.0	102.8	130.4	49.5	90.6	120.2
2012	1,694	297	655	58.3	88.3	120.0	51.0	75.8	110.3

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

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

† n/a: Not available. 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.

Kansas Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Table 8. Pregnancies*, Females Aged 10-17 Years
by County of Residence and Peer Group, by Component, Kansas, 2012

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	3	0	1	4	6.1	4.6
Anderson	2	0	1	3	6.9	4.6
Atchison	5	0	1	6	6.9	5.7
Barber	3	0	0	3	13.9	13.9
Barton	13	0	1	14	9.7	9.0
Bourbon	6	0	0	6	7.5	7.5
Brown	2	0	0	2	3.9	3.9
Butler	12	0	1	13	3.2	2.9
Chase	0	0	0	0	0.0	0.0
Chautauqua	0	0	0	0	0.0	0.0
Cherokee	6	0	2	8	6.7	5.0
Cheyenne	1	0	0	1	9.3	9.3
Clark	2	0	0	2	14.8	14.8
Clay	1	0	0	1	2.3	2.3
Cloud	2	0	0	2	4.3	4.3
Coffey	1	0	0	1	2.0	2.0
Comanche	0	0	0	0	0.0	0.0
Cowley	16	0	2	18	9.4	8.3
Crawford	6	0	2	8	4.3	3.2
Decatur	0	0	0	0	0.0	0.0
Dickinson	6	0	1	7	6.5	5.6
Doniphan	5	0	0	5	13.3	13.3
Douglas	10	1	3	14	3.1	2.2
Edwards	2	0	0	2	12.7	12.7
Elk	0	0	0	0	0.0	0.0
Ellis	8	0	0	8	6.9	6.9
Ellsworth	1	0	1	2	8.2	4.1
Finney	29	1	2	32	12.7	11.5
Ford	28	0	0	28	13.3	13.3
Franklin	10	0	3	13	9.6	7.3
Geary	4	0	4	8	4.4	2.2
Gove	0	0	0	0	0.0	0.0
Graham	1	0	0	1	8.5	8.5
Grant	4	0	0	4	7.5	7.5
Gray	2	0	1	3	7.4	4.9
Greeley	0	0	0	0	0.0	0.0
Greenwood	2	0	0	2	6.1	6.1
Hamilton	1	0	0	1	7.4	7.4
Harper	1	0	0	1	3.4	3.4
Harvey	12	0	0	12	6.2	6.2
Haskell	1	0	0	1	3.3	3.3
Hodgeman	0	0	0	0	0.0	0.0
Jackson	4	0	0	4	5.1	5.1
Jefferson	8	0	1	9	8.5	7.6
Jewell	1	0	0	1	7.8	7.8
Johnson	65	0	31	96	3.0	2.1
Kearny	1	0	0	1	3.9	3.9
Kingman	1	0	0	1	2.2	2.2
Kiowa	0	1	0	1	7.9	0.0
Labette	4	0	0	4	3.8	3.8
Lane	0	0	0	0	0.0	0.0
Leavenworth	28	0	4	32	7.7	6.8
Lincoln	1	0	0	1	6.0	6.0
Linn	3	0	1	4	7.8	5.8
Logan	0	0	0	0	0.0	0.0

Table 8. Pregnancies*, Females Aged 10-17 Years
by County of Residence and Peer Group, by Component, Kansas, 2012

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	12	0	1	13	8.1	7.5
Mcpherson	4	0	0	4	2.5	2.5
Marion	0	0	0	0	0.0	0.0
Marshall	4	0	1	5	10.0	8.0
Meade	2	0	0	2	6.5	6.5
Miami	7	0	2	9	4.5	3.5
Mitchell	0	0	0	0	0.0	0.0
Montgomery	17	0	0	17	10.2	10.2
Morris	4	0	0	4	14.4	14.4
Morton	1	0	1	2	10.0	5.0
Nemaha	0	0	0	0	0.0	0.0
Neosho	7	0	0	7	7.7	7.7
Ness	1	0	0	1	6.9	6.9
Norton	1	0	0	1	4.2	4.2
Osage	2	0	1	3	3.2	2.2
Osborne	2	0	0	2	11.7	11.7
Ottawa	1	0	0	1	3.0	3.0
Pawnee	1	0	0	1	3.3	3.3
Phillips	1	0	1	2	6.3	3.1
Pottawatomie	1	0	0	1	0.7	0.7
Pratt	4	0	0	4	8.5	8.5
Rawlins	0	0	0	0	0.0	0.0
Reno	17	0	0	17	5.2	5.2
Republic	3	0	0	3	13.4	13.4
Rice	1	0	1	2	4.1	2.0
Riley	9	0	2	11	4.8	4.0
Rooks	1	0	0	1	3.6	3.6
Rush	0	0	0	0	0.0	0.0
Russell	0	0	0	0	0.0	0.0
Saline	13	0	2	15	5.2	4.5
Scott	1	0	0	1	3.5	3.5
Sedgwick	207	0	20	227	8.0	7.3
Seward	18	0	0	18	12.5	12.5
Shawnee	73	1	22	96	10.2	7.8
Sheridan	0	0	0	0	0.0	0.0
Sherman	2	0	0	2	6.6	6.6
Smith	0	0	0	0	0.0	0.0
Stafford	1	0	0	1	4.8	4.8
Stanton	1	0	0	1	8.1	8.1
Stevens	2	0	0	2	5.3	5.3
Sumner	7	0	3	10	7.2	5.0
Thomas	3	0	0	3	7.2	7.2
Trego	2	0	0	2	13.1	13.1
Wabaunsee	0	0	0	0	0.0	0.0
Wallace	0	0	0	0	0.0	0.0
Washington	0	0	0	0	0.0	0.0
Wichita	0	0	0	0	0.0	0.0
Wilson	3	0	0	3	6.3	6.3
Woodson	1	0	0	1	6.2	6.2
Wyandotte	100	1	23	124	13.9	11.2
Unknown	0	0	6	6	n.a.	n.a.
Kansas	861	5	149	1,015	6.6	5.6
Peer Group						
Frontier	28	1	1	30	5.2	4.9
Rural	51	0	7	58	4.3	3.7
Densely-Settled Rural	192	1	16	209	8.3	7.6
Semi-Urban	107	0	16	123	5.3	4.6
Urban	483	3	103	589	6.8	5.6

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*, Females Aged 10-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	Teenage Pregnancies 2008-2012
Allen	9	7	8	4	4	32
Anderson	4	5	1	2	3	15
Atchison	8	7	6	9	6	36
Barber	2	3	3	1	3	12
Barton	16	18	13	17	14	78
Bourbon	6	9	10	5	6	36
Brown	8	4	6	5	2	25
Butler	39	28	27	14	13	121
Chase	1	0	1	1	0	3
Chautauqua	3	1	0	1	0	5
Cherokee	13	14	10	10	8	55
Cheyenne	0	0	0	1	1	2
Clark	0	0	1	1	2	4
Clay	2	3	8	3	1	17
Cloud	3	4	8	1	2	18
Coffey	2	3	2	1	1	9
Comanche	0	0	0	0	0	0
Cowley	27	28	24	22	18	119
Crawford	27	15	10	11	8	71
Decatur	0	0	0	2	0	2
Dickinson	6	11	7	6	7	37
Doniphan	3	3	3	1	5	15
Douglas	25	20	23	20	14	102
Edwards	1	1	2	3	2	9
Elk	3	1	1	0	0	5
Ellis	14	10	9	8	8	49
Ellsworth	2	0	0	1	2	5
Finney	64	44	40	32	32	212
Ford	37	31	26	24	28	146
Franklin	16	9	10	6	13	54
Geary	21	21	23	17	8	90
Gove	0	1	0	0	0	1
Graham	0	0	0	0	1	1
Grant	8	10	9	4	4	35
Gray	6	1	0	3	3	13
Greeley	0	1	0	0	0	1
Greenwood	5	1	3	2	2	13
Hamilton	4	5	2	1	1	13
Harper	6	2	4	1	1	14
Harvey	13	16	13	13	12	67
Haskell	0	4	2	1	1	8
Hodgeman	1	1	0	0	0	2
Jackson	7	7	2	7	4	27
Jefferson	7	5	3	3	9	27
Jewell	0	0	0	0	1	1
Johnson	167	135	109	89	96	596
Kearny	5	3	3	1	1	13
Kingman	3	4	2	2	1	12
Kiowa	2	1	0	2	1	6
Labette	13	15	16	9	4	57
Lane	1	1	0	0	0	2
Leavenworth	32	28	29	24	32	145
Lincoln	2	2	1	2	1	8
Linn	2	3	5	3	4	17
Logan	0	2	1	0	0	3

Table 9. Pregnancies*, Females Aged 10-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	Teenage Pregnancies 2008-2012
Lyon	26	15	21	16	13	91
Mcperson	11	10	3	11	4	39
Marion	5	1	2	1	0	9
Marshall	7	0	2	1	5	15
Meade	2	5	2	2	2	13
Miami	11	18	11	12	9	61
Mitchell	2	0	0	2	0	4
Montgomery	20	15	19	14	17	85
Morris	1	3	2	4	4	14
Morton	3	7	2	3	2	17
Nemaha	0	1	0	0	0	1
Neosho	8	7	8	10	7	40
Ness	2	0	0	0	1	3
Norton	2	1	0	2	1	6
Osage	9	5	3	2	3	22
Osborne	1	0	1	3	2	7
Ottawa	1	0	2	2	1	6
Pawnee	2	4	2	1	1	10
Phillips	3	1	0	1	2	7
Pottawatomie	8	9	5	4	1	27
Pratt	7	4	4	4	4	23
Rawlins	0	1	0	0	0	1
Reno	26	33	29	21	17	126
Republic	1	1	3	1	3	9
Rice	4	9	5	2	2	22
Riley	19	23	15	17	11	85
Rooks	3	1	1	1	1	7
Rush	0	0	2	0	0	2
Russell	6	4	5	1	0	16
Saline	45	34	33	34	15	161
Scott	1	1	3	3	1	9
Sedgwick	330	370	322	259	227	1,508
Seward	34	29	26	30	18	137
Shawnee	112	89	100	86	96	483
Sheridan	2	0	0	0	0	2
Sherman	5	0	4	2	2	13
Smith	2	1	2	1	0	6
Stafford	2	1	5	1	1	10
Stanton	3	1	3	2	1	10
Stevens	2	5	3	1	2	13
Sumner	10	9	17	9	10	55
Thomas	3	9	0	5	3	20
Trego	0	1	0	1	2	4
Wabaunsee	0	3	3	0	0	6
Wallace	0	0	0	0	0	0
Washington	1	1	0	1	0	3
Wichita	2	2	2	1	0	7
Wilson	8	4	7	4	3	26
Woodson	2	0	2	1	1	6
Wyandotte	217	187	187	154	124	869
Unknown	1	0	3	4	6	14
Kansas	1,618	1,473	1,357	1,133	1,015	6,596

*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†, Females Aged 10-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Allen	14.4	10.9	11.9	6.1	6.1	9.9
Anderson	9.6	11.3	2.3	4.5	6.9	6.9
Atchison	8.6	7.3	6.4	9.9	6.9	7.8
Barber	8.5	12.4	12.1	4.4	13.9	10.3
Barton	11.1	12.4	8.8	11.4	9.7	10.7
Bourbon	7.6	11.4	12.1	6.3	7.5	9.0
Brown	15.0	7.4	11.3	9.6	3.9	9.4
Butler	10.8	7.2	6.5	3.4	3.2	6.1
Chase	9.3	0.0	7.1	7.0	0.0	4.5
Chautauqua	15.7	5.4	0.0	6.0	0.0	5.6
Cherokee	10.8	11.7	8.3	8.3	6.7	9.2
Cheyenne	0.0	0.0	0.0	9.6	9.3	3.5
Clark	0.0	0.0	7.9	8.3	14.8	6.6
Clay	4.8	6.6	18.4	6.8	2.3	7.7
Cloud	6.8	9.0	17.3	2.2	4.3	7.9
Coffey	4.6	6.3	4.0	2.0	2.0	3.7
Comanche	0.0	0.0	0.0	0.0	0.0	0.0
Cowley	14.3	14.5	12.2	11.6	9.4	12.4
Crawford	15.4	8.6	5.4	6.0	4.3	7.8
Decatur	0.0	0.0	0.0	17.4	0.0	3.3
Dickinson	6.2	10.5	6.5	5.7	6.5	7.1
Doniphan	7.0	7.2	7.4	2.5	13.3	7.4
Douglas	5.4	4.6	5.2	4.7	3.1	4.6
Edwards	6.8	5.9	11.1	17.5	12.7	10.9
Elk	22.6	7.4	7.3	0.0	0.0	7.6
Ellis	13.1	9.7	7.7	7.0	6.9	8.8
Ellsworth	7.9	0.0	0.0	3.8	8.2	3.8
Finney	21.4	16.3	15.9	12.7	12.7	16.0
Ford	18.1	15.8	12.7	11.5	13.3	14.3
Franklin	11.5	6.4	7.1	4.3	9.6	7.8
Geary	11.8	15.7	13.0	9.3	4.4	10.6
Gove	0.0	6.5	0.0	0.0	0.0	1.4
Graham	0.0	0.0	0.0	0.0	8.5	1.7
Grant	17.4	21.6	18.6	7.6	7.5	14.2
Gray	17.0	2.6	0.0	7.0	7.4	6.5
Greeley	0.0	13.3	0.0	0.0	0.0	3.0
Greenwood	15.2	3.0	8.9	5.8	6.1	7.7
Hamilton	29.2	37.0	14.5	7.0	7.4	18.9
Harper	21.3	6.5	12.5	3.3	3.4	9.3
Harvey	7.3	8.3	6.6	6.7	6.2	7.0
Haskell	0.0	14.8	6.3	3.3	3.3	5.6
Hodgeman	8.3	8.8	0.0	0.0	0.0	3.6
Jackson	9.4	8.5	2.6	9.0	5.1	7.0
Jefferson	7.1	5.0	2.7	2.7	8.5	5.1
Jewell	0.0	0.0	0.0	0.0	7.8	1.5
Johnson	5.7	4.6	3.5	2.8	3.0	3.9
Kearny	19.8	11.5	12.1	3.9	3.9	10.2
Kingman	7.4	8.8	4.1	4.2	2.2	5.3
Kiowa	17.7	8.6	0.0	14.7	7.9	9.6
Labette	11.3	12.6	14.5	8.6	3.8	10.3
Lane	11.0	10.6	0.0	0.0	0.0	4.1
Leavenworth	7.7	6.7	7.1	5.8	7.7	7.0
Lincoln	13.0	11.6	6.0	11.6	6.0	9.6
Linn	4.2	6.0	9.9	5.7	7.8	6.7
Logan	0.0	15.0	7.2	0.0	0.0	4.6

Table 10. Pregnancy* Rates†, Females Aged 10-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Lyon	15.0	9.5	12.8	9.9	8.1	11.1
Mcpherson	7.9	6.8	2.0	17.9	2.5	5.9
Marion	7.9	1.6	3.1	2.0	0.0	3.0
Marshall	15.9	0.0	3.9	0.6	10.0	4.3
Meade	7.2	16.8	6.1	6.3	6.5	8.5
Miami	6.4	9.7	5.4	5.9	4.5	6.3
Mitchell	5.9	0.0	0.0	6.4	0.0	2.5
Montgomery	11.8	8.9	11.3	8.3	10.2	10.1
Morris	3.4	9.3	7.3	13.9	14.4	9.6
Morton	16.1	34.7	9.5	14.3	10.0	16.8
Nemaha	0.0	1.7	0.0	0.0	0.0	0.3
Neosho	9.8	8.5	9.0	11.0	7.7	9.2
Ness	16.3	0.0	0.0	0.0	6.9	4.2
Norton	8.8	4.0	0.0	8.5	4.2	5.0
Osage	9.5	4.9	3.1	2.1	3.2	4.6
Osborne	5.5	0.0	4.9	16.1	11.7	7.5
Ottawa	3.4	0.0	5.6	5.6	3.0	3.6
Pawnee	6.7	12.7	5.9	3.0	3.3	6.3
Phillips	12.7	3.8	0.0	2.9	6.3	4.7
Pottawatomie	7.0	7.5	3.7	2.9	0.7	4.2
Pratt	15.8	8.4	8.3	8.3	8.5	9.8
Rawlins	0.0	8.7	0.0	0.0	0.0	1.8
Reno	8.5	10.6	8.8	6.5	5.2	7.9
Republic	5.4	4.8	13.2	4.6	13.4	8.5
Rice	8.4	17.5	9.7	3.9	4.1	8.8
Riley	7.6	10.3	6.7	7.6	4.8	7.4
Rooks	11.6	3.9	3.7	3.8	3.6	5.3
Rush	0.0	0.0	15.2	0.0	0.0	2.9
Russell	20.9	13.4	14.7	3.0	0.0	10.2
Saline	16.1	12.2	11.3	11.7	5.2	11.2
Scott	4.4	3.8	11.3	10.8	3.5	6.8
Sedgwick	11.9	13.7	11.3	9.1	8.0	10.8
Seward	24.1	21.3	18.7	21.4	12.5	19.6
Shawnee	12.6	10.2	10.7	9.2	10.2	10.6
Sheridan	18.0	0.0	0.0	0.0	0.0	3.3
Sherman	19.5	0.0	14.4	7.1	6.6	9.6
Smith	11.6	6.0	11.1	5.6	0.0	6.8
Stafford	8.8	4.7	20.8	4.3	4.8	8.9
Stanton	23.8	7.9	21.1	15.2	8.1	15.4
Stevens	6.8	16.1	8.4	2.9	5.3	7.7
Sumner	7.1	6.2	12.0	6.4	7.2	7.8
Thomas	7.1	21.5	0.0	12.3	7.2	9.5
Trego	0.0	7.1	0.0	6.4	13.1	5.3
Wabaunsee	0.0	8.4	7.8	0.0	0.0	3.2
Wallace	0.0	0.0	0.0	0.0	0.0	0.0
Washington	3.6	3.6	0.0	3.4	0.0	2.1
Wichita	14.2	16.5	16.1	8.0	0.0	11.1
Wilson	15.9	8.0	13.6	8.4	6.3	10.5
Woodson	16.1	0.0	14.0	6.4	6.2	8.4
Wyandotte	24.6	22.5	20.9	17.3	13.9	19.8
Kansas	10.9	10.0	8.8	7.3	6.6	8.7

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

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

2008-2012 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 11. Pregnancies*, Females Aged 15-17 Years
by County of Residence and Peer Group, by Component, Kansas, 2012

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	3	0	1	4	15.9	12.0
Anderson	2	0	1	3	18.9	12.6
Atchison	5	0	1	6	17.1	14.2
Barber	3	0	0	3	33.7	33.7
Barton	12	0	1	13	23.6	21.8
Bourbon	6	0	0	6	19.1	19.1
Brown	2	0	0	2	10.0	10.0
Butler	12	0	1	13	8.5	7.9
Chase	0	0	0	0	0.0	0.0
Chautauqua	0	0	0	0	0.0	0.0
Cherokee	6	0	1	7	15.6	13.3
Cheyenne	1	0	0	1	25.0	25.0
Clark	2	0	0	2	37.7	37.7
Clay	1	0	0	1	6.1	6.1
Cloud	2	0	0	2	11.8	11.8
Coffey	1	0	0	1	4.9	4.9
Comanche	0	0	0	0	0.0	0.0
Cowley	16	0	2	18	25.0	22.2
Crawford	5	0	2	7	10.3	7.4
Decatur	0	0	0	0	0.0	0.0
Dickinson	5	0	1	6	14.6	12.2
Doniphan	3	0	0	3	20.8	20.8
Douglas	10	1	1	12	7.2	6.0
Edwards	2	0	0	2	37.7	37.7
Elk	0	0	0	0	0.0	0.0
Ellis	7	0	0	7	16.1	16.1
Ellsworth	1	0	1	2	20.2	10.1
Finney	28	1	2	31	34.3	31.0
Ford	28	0	0	28	37.5	37.5
Franklin	10	0	3	13	27.4	21.1
Geary	4	0	4	8	13.6	6.8
Gove	0	0	0	0	0.0	0.0
Graham	1	0	0	1	18.5	18.5
Grant	4	0	0	4	21.1	21.1
Gray	2	0	1	3	19.0	12.7
Greeley	0	0	0	0	0.0	0.0
Greenwood	2	0	0	2	15.9	15.9
Hamilton	1	0	0	1	30.3	30.3
Harper	1	0	0	1	8.1	8.1
Harvey	12	0	0	12	16.4	16.4
Haskell	1	0	0	1	8.6	8.6
Hodgeman	0	0	0	0	0.0	0.0
Jackson	4	0	0	4	13.1	13.1
Jefferson	8	0	1	9	21.9	19.5
Jewell	1	0	0	1	18.9	18.9
Johnson	65	0	29	94	8.1	5.6
Kearny	1	0	0	1	10.3	10.3
Kingman	1	0	0	1	5.3	5.3
Kiowa	0	1	0	1	18.5	0.0
Labette	4	0	0	4	10.6	10.6
Lane	0	0	0	0	0.0	0.0
Leavenworth	28	0	3	31	20.7	18.7
Lincoln	1	0	0	1	18.5	18.5
Linn	3	0	1	4	20.4	15.3
Logan	0	0	0	0	0.0	0.0

Table 11. Pregnancies*, Females Aged 15-17 Years
by County of Residence and Peer Group, by Component, Kansas, 2012

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	12	0	1	13	21.2	19.5
Mcperson	3	0	0	3	5.2	5.2
Marion		0	0	0	0.0	0.0
Marshall	4	0	1	5	29.1	23.3
Meade	2	0	0	2	14.3	14.3
Miami	7	0	2	9	11.6	9.0
Mitchell	0	0	0	0	0.0	0.0
Montgomery	17	0	0	17	26.3	26.3
Morris	3	0	0	3	28.8	28.8
Morton	1	0	1	2	24.7	12.3
Nemaha	0	0	0	0	0.0	0.0
Neosho	7	0	0	7	20.1	20.1
Ness	1	0	0	1	20.0	20.0
Norton	1	0	0	1	10.4	10.4
Osage	2	0	1	3	7.8	5.2
Osborne	2	0	0	2	26.7	26.7
Ottawa	1	0	0	1	6.9	6.9
Pawnee	1	0	0	1	8.8	8.8
Phillips	1	0	1	2	16.9	8.5
Pottawatomie	1	0	0	1	1.9	1.9
Pratt	3	0	0	3	16.0	16.0
Rawlins	0	0	0	0	0.0	0.0
Reno	16	0	0	16	13.5	13.5
Republic	3	0	0	3	38.0	38.0
Rice	1	0	1	2	11.7	5.8
Riley	8	0	2	10	13.1	10.5
Rooks	1	0	0	1	10.2	10.2
Rush	0	0	0	0	0.0	0.0
Russell	0	0	0	0	0.0	0.0
Saline	13	0	1	14	12.5	11.6
Scott	1	0	0	1	10.9	10.9
Sedgwick	196	0	18	214	20.6	18.9
Seward	18	0	0	18	33.5	33.5
Shawnee	72	1	21	94	26.5	20.3
Sheridan	0	0	0	0	0.0	0.0
Sherman	2	0	0	2	19.8	19.8
Smith	0	0	0	0	0.0	0.0
Stafford	1	0	0	1	10.9	10.9
Stanton	1	0	0	1	31.3	31.3
Stevens	2	0	0	2	13.3	13.3
Sumner	7	0	2	9	17.2	13.4
Thomas	3	0	0	3	18.0	18.0
Trego	2	0	0	2	30.3	30.3
Wabaunsee	0	0	0	0	0.0	0.0
Wallace	0	0	0	0	0.0	0.0
Washington	0	0	0	0	0.0	0.0
Wichita	0	0	0	0	0.0	0.0
Wilson	3	0	0	3	17.6	17.6
Woodson	1	0	0	1	16.7	16.7
Wyandotte	96	1	21	118	36.5	29.7
Unknown	0	0	5	5	n.a.	n.a.
Kansas	833	5	135	973	17.0	14.5
Peer Group						
Frontier	28	1	1	30	13.6	12.7
Rural	49	0	7	56	11.7	10.3
Densely-Settled Rural	185	1	14	200	20.3	18.7
Semi-Urban	104	0	15	119	14.0	12.3
Urban	467	3	93	563	17.6	14.6

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 29

Table 12. Pregnancies*, Females Aged 15-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	Teenage Pregnancies 2008-2012
Allen	9	7	8	4	4	32
Anderson	4	5	1	2	3	15
Atchison	8	7	6	9	6	36
Barber	2	3	2	1	3	11
Barton	15	18	13	17	13	76
Bourbon	6	9	10	5	6	36
Brown	8	4	5	5	2	24
Butler	39	27	27	14	13	120
Chase	1	0	1	1	0	3
Chautauqua	3	1	0	1	0	5
Cherokee	12	14	9	10	7	52
Cheyenne	0	0	0	1	1	2
Clark	0	0	1	1	2	4
Clay	1	3	6	3	1	14
Cloud	3	4	8	1	2	18
Coffey	2	3	2	1	1	9
Comanche	0	0	0	0	0	0
Cowley	26	28	22	22	18	116
Crawford	26	14	10	9	7	66
Decatur	0	0	0	2	0	2
Dickinson	6	11	7	5	6	35
Doniphan	3	3	3	1	3	13
Douglas	24	20	22	19	12	97
Edwards	1	1	1	3	2	8
Elk	3	0	1	0	0	4
Ellis	14	9	8	8	7	46
Ellsworth	2	0	0	0	2	4
Finney	62	41	39	29	31	202
Ford	35	29	25	24	28	141
Franklin	16	9	9	5	13	52
Geary	21	21	22	17	8	89
Gove	0	1	0	0	0	1
Graham	0	0	0	0	1	1
Grant	8	9	9	4	4	34
Gray	6	1	0	3	3	13
Greeley	0	1	0	0	0	1
Greenwood	5	1	3	2	2	13
Hamilton	4	5	2	1	1	13
Harper	6	2	4	1	1	14
Harvey	13	15	13	13	12	66
Haskell	0	4	2	1	1	8
Hodgeman	1	1	0	0	0	2
Jackson	7	7	2	7	4	27
Jefferson	6	5	3	3	9	26
Jewell	0	0	0	0	1	1
Johnson	160	130	104	83	94	571
Kearny	5	3	2	1	1	12
Kingman	3	4	2	2	1	12
Kiowa	2	1	0	2	1	6
Labette	13	15	16	7	4	55
Lane	1	1	0	0	0	2
Leavenworth	31	26	25	19	31	132
Lincoln	2	2	1	2	1	8
Linn	2	3	5	3	4	17
Logan	0	2	1	0	0	3

Table 12. Pregnancies*, Females Aged 15-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	Teenage Pregnancies 2008-2012
Lyon	25	14	19	15	13	86
Mcperson	10	10	2	10	3	35
Marion	5	1	2	1	0	9
Marshall	6	0	2	1	5	14
Meade	2	5	2	2	2	13
Miami	10	17	10	12	9	58
Mitchell	2	0	0	2	0	4
Montgomery	20	14	18	13	17	82
Morris	1	3	2	4	3	13
Morton	3	6	2	3	2	16
Nemaha	0	1	0	0	0	1
Neosho	8	7	8	10	7	40
Ness	2	0	0	0	1	3
Norton	1	1	0	2	1	5
Osage	8	5	3	2	3	21
Osborne	1	0	1	3	2	7
Ottawa	1	0	2	2	1	6
Pawnee	2	4	2	1	1	10
Phillips	3	1	0	0	2	6
Pottawatomie	7	8	5	4	1	25
Pratt	7	4	4	4	3	22
Rawlins	0	1	0	0	0	1
Reno	26	33	29	19	16	123
Republic	1	1	3	1	3	9
Rice	3	9	4	2	2	20
Riley	19	23	13	15	10	80
Rooks	3	1	1	1	1	7
Rush	0	0	2	0	0	2
Russell	6	4	5	1	0	16
Saline	44	33	33	31	14	155
Scott	1	1	3	3	1	9
Sedgwick	314	351	313	242	214	1,434
Seward	33	29	25	29	18	134
Shawnee	105	86	95	79	94	459
Sheridan	2	0	0	0	0	2
Sherman	5	0	4	2	2	13
Smith	2	1	2	1	0	6
Stafford	2	1	5	1	1	10
Stanton	3	1	3	2	1	10
Stevens	2	4	3	1	2	12
Sumner	10	9	17	9	9	54
Thomas	3	9	0	5	3	20
Trego	0	1	0	1	2	4
Wabaunsee	0	3	3	0	0	6
Wallace	0	0	0	0	0	0
Washington	1	1	0	1	0	3
Wichita	2	2	2	0	0	6
Wilson	7	4	6	4	3	24
Woodson	2	0	2	1	1	6
Wyandotte	204	178	178	143	118	821
Unknown	1	0	1	4	5	11
Kansas	1,552	1,417	1,298	1,063	973	6,303

*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* Rate†, Females Aged 15-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Allen	37.5	27.2	29.2	16.0	15.9	25.2
Anderson	23.8	29.2	6.3	11.8	18.9	18.1
Atchison	22.4	18.7	15.9	23.2	17.1	19.5
Barber	20.8	31.6	18.2	10.3	33.7	22.6
Barton	26.4	32.1	22.9	29.4	23.6	26.9
Bourbon	18.9	27.5	31.9	16.9	19.1	23.0
Brown	39.6	19.2	23.0	25.4	10.0	23.4
Butler	26.9	17.7	17.3	9.2	8.5	15.8
Chase	23.3	0.0	18.9	20.8	0.0	12.5
Chautauqua	34.1	13.0	0.0	15.2	0.0	12.9
Cherokee	25.5	32.3	21.2	22.6	15.6	23.4
Cheyenne	0.0	0.0	0.0	26.3	25.0	8.7
Clark	0.0	0.0	20.0	21.3	37.7	16.3
Clay	5.5	16.8	33.5	16.6	6.1	15.8
Cloud	16.9	21.9	42.6	5.8	11.8	20.2
Coffey	13.4	16.8	11.0	5.0	4.9	9.9
Comanche	0.0	0.0	0.0	0.0	0.0	0.0
Cowley	33.5	34.3	30.6	31.6	25.0	31.1
Crawford	40.1	22.2	14.8	13.8	10.3	20.1
Decatur	0.0	0.0	0.0	52.6	0.0	8.5
Dickinson	15.6	27.4	15.6	11.8	14.6	16.9
Doniphan	18.4	19.4	19.2	6.5	20.8	16.8
Douglas	13.9	11.9	13.0	11.4	7.2	11.5
Edwards	15.9	13.2	13.9	49.2	37.7	24.6
Elk	54.5	0.0	15.9	0.0	0.0	14.3
Ellis	35.6	22.6	18.3	18.0	16.1	21.8
Ellsworth	19.2	0.0	0.0	0.0	20.2	7.4
Finney	52.7	41.6	42.8	31.6	34.3	41.3
Ford	44.4	40.4	33.6	32.6	37.5	37.8
Franklin	27.7	15.5	16.8	9.3	27.4	19.2
Geary	34.3	39.9	35.4	27.1	13.6	29.9
Gove	0.0	17.5	0.0	0.0	0.0	3.6
Graham	0.0	0.0	0.0	0.0	18.5	4.0
Grant	41.2	49.5	54.2	21.9	21.1	37.2
Gray	47.6	6.7	0.0	17.6	19.0	17.1
Greeley	0.0	33.3	0.0	0.0	0.0	8.0
Greenwood	36.5	8.5	26.1	16.7	15.9	21.1
Hamilton	76.9	86.2	39.2	24.4	30.3	55.3
Harper	56.1	17.9	32.8	7.7	8.1	23.5
Harvey	18.7	19.8	17.3	18.2	16.4	18.1
Haskell	0.0	37.4	16.5	9.1	8.6	14.6
Hodgeman	19.6	26.3	0.0	0.0	0.0	9.8
Jackson	24.0	22.2	7.2	23.0	13.1	18.0
Jefferson	15.2	12.3	6.7	7.3	21.9	12.6
Jewell	0.0	0.0	0.0	0.0	18.9	3.7
Johnson	15.0	12.1	9.1	7.1	8.1	10.2
Kearny	44.2	28.6	22.7	10.3	10.3	24.0
Kingman	18.1	21.1	10.5	9.8	5.3	12.8
Kiowa	38.5	21.7	0.0	34.5	18.5	22.7
Labette	27.9	33.0	36.0	16.8	10.6	25.5
Lane	28.6	25.6	0.0	0.0	0.0	10.9
Leavenworth	19.1	16.7	16.2	12.6	20.7	17.1
Lincoln	33.9	31.7	15.4	31.7	18.5	26.3
Linn	10.3	15.6	29.2	15.5	20.4	18.0
Logan	0.0	35.7	18.2	0.0	0.0	11.2

Table 13. Pregnancy* Rates†, Females Aged 15-17 Years
by County of Residence, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Lyon	37.4	22.1	29.4	22.9	21.2	26.7
Mcpherson	18.7	17.8	10.4	43.7	5.2	14.3
Marion	19.2	4.3	3.7	5.7	0.0	7.7
Marshall	29.7	0.0	8.0	1.7	29.1	10.2
Meade	20.2	52.1	15.0	15.9	14.3	21.9
Miami	15.1	24.8	13.6	14.8	11.6	15.8
Mitchell	11.0	0.0	0.0	17.5	0.0	5.7
Montgomery	29.2	20.4	26.9	19.8	26.3	24.5
Morris	7.6	24.2	19.4	38.8	28.8	23.0
Morton	40.0	80.0	28.2	39.0	24.7	42.2
Nemaha	0.0	4.5	0.0	0.0	0.0	0.9
Neosho	24.4	21.9	23.7	28.1	20.1	23.7
Ness	37.7	0.0	0.0	0.0	20.0	11.0
Norton	11.6	10.2	0.0	20.4	10.4	10.2
Osage	20.6	12.5	8.4	5.6	7.8	11.1
Osborne	13.3	0.0	11.6	39.0	26.7	18.0
Ottawa	8.6	0.0	14.9	11.6	6.9	8.7
Pawnee	16.0	30.3	16.9	8.8	8.8	16.6
Phillips	32.6	9.1	0.0	0.0	16.9	10.4
Pottawatomie	15.0	17.2	10.3	7.9	1.9	10.2
Pratt	38.7	20.1	20.8	20.5	16.0	23.0
Rawlins	0.0	19.6	0.0	0.0	0.0	4.3
Reno	22.5	27.9	23.5	15.9	13.5	20.7
Republic	11.8	12.2	32.6	12.7	38.0	21.6
Rice	14.4	42.3	20.1	11.1	11.7	20.6
Riley	20.0	26.9	16.4	19.3	13.1	19.3
Rooks	30.9	10.3	9.7	9.8	10.2	14.1
Rush	0.0	0.0	36.4	0.0	0.0	7.5
Russell	51.7	35.4	34.0	7.1	0.0	24.9
Saline	43.0	33.5	31.0	28.3	12.5	29.3
Scott	10.4	9.6	30.6	34.1	10.9	18.8
Sedgwick	29.5	34.2	29.3	22.9	20.6	27.3
Seward	65.0	61.7	48.8	55.7	33.5	52.6
Shawnee	31.0	26.3	27.2	22.9	26.5	26.8
Sheridan	43.5	0.0	0.0	0.0	0.0	9.0
Sherman	46.3	0.0	43.0	21.1	19.8	26.9
Smith	29.4	14.3	26.0	12.5	0.0	16.3
Stafford	19.0	12.5	50.5	11.5	10.9	21.6
Stanton	52.6	17.9	60.0	42.6	31.3	41.3
Stevens	16.0	32.0	20.8	8.1	13.3	18.0
Sumner	17.4	16.0	32.1	16.5	17.2	19.7
Thomas	18.5	51.1	0.0	30.7	18.0	23.6
Trego	0.0	15.9	0.0	12.0	30.3	11.5
Wabaunsee	0.0	20.8	21.9	0.0	0.0	8.3
Wallace	0.0	0.0	0.0	0.0	0.0	0.0
Washington	9.9	9.3	0.0	9.3	0.0	5.4
Wichita	32.3	37.0	42.6	0.0	0.0	23.9
Wilson	31.3	19.4	29.3	23.4	17.6	24.6
Woodson	47.6	0.0	45.5	16.9	16.7	23.9
Wyandotte	59.5	56.2	53.3	44.1	36.5	50.0
Kansas	27.1	25.2	22.4	18.4	17.0	25.2

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

†Rate per 1,000 female age-group population

2008-2012 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 14. Pregnancies* by Component, Pregnancy Number and Rate, Birth Number and Rate
Females Aged 18-19 Years by County of Residence, Kansas, 2012

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Allen	14	64.8	0	2	16	74.1
Anderson	1	12.3	0	0	1	12.3
Atchison	15	31.5	0	2	17	35.7
Barber	7	129.6	0	0	7	129.6
Barton	29	74.2	0	0	29	74.2
Bourbon	23	130.7	0	4	27	153.4
Brown	11	107.8	0	0	11	107.8
Butler	55	59.3	0	7	62	66.9
Chase	1	43.5	0	0	1	43.5
Chautauqua	3	96.8	1	0	4	129.0
Cherokee	24	103.0	0	0	24	103.0
Cheyenne	0	0.0	0	0	0	0.0
Clark	1	50.0	0	0	1	50.0
Clay	5	62.5	0	1	6	75.0
Cloud	8	44.7	0	0	8	44.7
Coffey	5	63.3		0	5	63.3
Comanche	0	0.0	0	0	0	0.0
Cowley	45	74.0	0	2	47	77.3
Crawford	32	40.0	0	5	37	46.2
Decatur	1	52.6	0	0	1	52.6
Dickinson	12	57.1	0	5	17	81.0
Doniphan	7	38.9	0	2	9	50.0
Douglas	57	15.7	0	25	82	22.6
Edwards	2	47.6	0	0	2	47.6
Elk	2	74.1	0	0	2	74.1
Ellis	15	24.8	0	4	19	31.4
Ellsworth	1	18.9	0	0	1	18.9
Finney	70	120.9	0	1	71	122.6
Ford	59	113.2	0	3	62	119.0
Franklin	20	54.9	0	3	23	63.2
Geary	68	171.3	0	11	79	199.0
Gove	1	43.5	0	0	1	43.5
Graham	2	100.0	0	0	2	100.0
Grant	11	126.4	0	1	12	137.9
Gray	4	54.8	0	0	4	54.8
Greeley	0	0.0	0	0	0	0.0
Greenwood	9	180.0	0	1	10	200.0
Hamilton	5	135.1	0	0	5	135.1
Harper	5	75.8	0	0	5	75.8
Harvey	38	71.0	0	2	40	74.8
Haskell	13	203.1	0	0	13	203.1
Hodgeman	0	0.0	0	0	0	0.0
Jackson	5	34.2	0	0	5	34.2
Jefferson	9	42.3	0	1	10	46.9
Jewell	4	137.9	0	0	4	137.9
Johnson	197	32.7	0	72	269	44.6
Kearny	4	87.0	0	0	4	87.0
Kingman	5	61.7	0	0	5	61.7
Kiowa	1	19.6	0	1	2	39.2
Labette	20	87.7	0	2	22	96.5
Lane	0	0.0	0	0	0	0.0
Leavenworth	57	71.3	1	6	64	80.1
Lincoln	2	64.5	0	0	2	64.5
Linn	8	108.1	0	2	10	135.1
Logan	2	62.5	0	0	2	62.5

Table 14. Pregnancies* by Component, Pregnancy Number and Rate, Birth Number and Rate
Females Aged 18-19 Years by County of Residence, Kansas, 2012

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Lyon	31	38.5	0	2	33	41.0
Mcperson	25	65.8	0	2	27	71.1
Marion	8	46.2	0	0	8	46.2
Marshall	3	31.9	0	0	3	31.9
Meade	0	0.0	0	0	0	0.0
Miami	17	48.9	0	4	21	60.3
Mitchell	0	0.0	0	0	0	0.0
Montgomery	49	99.8	0	0	49	99.8
Morris	6	127.7	0	0	6	127.7
Morton	4	153.8	0	0	4	153.8
Nemaha	4	35.1	0	0	4	35.1
Neosho	26	115.6	0	3	29	128.9
Ness	2	50.0	0	0	2	50.0
Norton	1	22.7	0	0	1	22.7
Osage	13	73.0	0	2	15	84.3
Osborne	1	22.7	0	0	1	22.7
Ottawa	2	37.0	0	0	2	37.0
Pawnee	4	64.5	0	1	5	80.6
Phillips	5	72.5	0	0	5	72.5
Pottawatomie	12	48.0	0	1	13	52.0
Pratt	15	95.5	0	0	15	95.5
Rawlins	2	83.3	0	0	2	83.3
Reno	45	58.4	0	6	51	66.1
Republic	2	41.7	0	0	2	41.7
Rice	9	47.9	0	0	9	47.9
Riley	38	14.5	0	22	60	22.9
Rooks	3	55.6	1	0	4	74.1
Rush	2	83.3	0	1	3	125.0
Russell	7	93.3	0	2	9	120.0
Saline	59	96.4	0	4	63	102.9
Scott	6	150.0	0	0	6	150.0
Sedgwick	525	85.5	1	36	562	91.5
Seward	48	136.8	1	3	52	148.1
Shawnee	181	87.1	1	21	203	97.7
Sheridan	2	76.9	0	1	3	115.4
Sherman	11	183.3	0	0	11	183.3
Smith	2	55.6	0	0	2	55.6
Stafford	7	155.6	0	1	8	177.8
Stanton	3	107.1	0	0	3	107.1
Stevens	7	93.3	0	0	7	93.3
Sumner	28	107.3	0	1	29	111.1
Thomas	10	56.8	0	1	11	62.5
Trego	0	0.0	0	0	0	0.0
Wabaunsee	9	136.4	0	0	9	136.4
Wallace	0	0.0	0	0	0	0.0
Washington	1	17.2	0	0	1	17.2
Wichita	2	80.0	0	0	2	80.0
Wilson	12	126.3	0	1	13	136.8
Woodson	2	90.9	0	0	2	90.9
Wyandotte	224	115.1	2	37	263	135.1
Unknown	0	n.a.	0	13	13	n.a.
Kansas	2,470	62.3	8	330	2,808	70.8
Peer Group					0	
Frontier	88	74.4	2	5	95	80.3
Rural	190	69.5	0	9	199	72.8
Densely-Settled Rural	530	73.3	1	42	573	79.2
Semi-Urban	421	53.5	0	64	485	61.6
Urban	1,241	60.2	5	197	1,443	70.0

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*, Females Aged 18-19 Years
by County of Residence and Year, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	Teenage Pregnancies 2008-2012
Allen	18	23	17	12	16	86
Anderson	9	8	13	10	1	41
Atchison	20	29	24	20	17	110
Barber	8	8	5	3	7	31
Barton	53	39	38	37	29	196
Bourbon	30	20	17	27	27	121
Brown	19	15	13	18	11	76
Butler	72	68	59	39	62	300
Chase	4	2	2	0	1	9
Chautauqua	7	9	0	4	4	24
Cherokee	38	27	30	32	24	151
Cheyenne	0	1	0	1	0	2
Clark	2	0	0	2	1	5
Clay	9	16	8	10	6	49
Cloud	20	13	13	9	8	63
Coffey	8	7	5	5	5	30
Comanche	1	1	2	3	0	7
Cowley	63	48	52	50	47	260
Crawford	51	71	42	45	37	246
Decatur	0	1	1	5	1	8
Dickinson	18	22	20	25	17	102
Doniphan	9	6	4	4	9	32
Douglas	95	90	80	67	82	414
Edwards	6	2	3	1	2	14
Elk	5	2	2	2	2	13
Ellis	29	25	35	19	19	127
Ellsworth	1	6	3	2	1	13
Finney	91	95	80	84	71	421
Ford	70	90	69	67	62	358
Franklin	41	38	34	26	23	162
Geary	86	80	73	83	79	401
Gove	0	1	0	0	1	2
Graham	2	2	4	4	2	14
Grant	11	20	15	12	12	70
Gray	5	7	2	3	4	21
Greeley	2	3	0	0	0	5
Greenwood	5	3	8	9	10	35
Hamilton	7	4	5	5	5	26
Harper	6	10	4	5	5	30
Harvey	36	40	37	40	40	193
Haskell	8	6	6	5	13	38
Hodgeman	0	1	1	1	0	3
Jackson	16	16	20	8	5	65
Jefferson	17	16	7	11	10	61
Jewell	3	1	1	1	4	10
Johnson	363	314	292	283	269	1,521
Kearny	9	6	7	5	4	31
Kingman	6	8	6	7	5	32
Kiowa	1	2	0	1	2	6
Labette	39	42	46	25	22	174
Lane	1	0	0	0	0	1
Leavenworth	99	74	54	69	64	360
Lincoln	2	1	2	3	2	10
Linn	11	9	7	7	10	44
Logan	0	2	0	2	2	6

Table 15. Pregnancies*, Females Aged 18-19 Years
by County of Residence and Year, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	Teenage Pregnancies 2008-2012
Lyon	51	33	50	42	33	209
Mcperson	33	19	20	21	27	120
Marion	4	6	12	8	8	38
Marshall	5	8	6	12	3	34
Meade	6	5	3	8	0	22
Miami	25	40	27	22	21	135
Mitchell	6	3	3	5	0	17
Montgomery	62	51	53	40	49	255
Morris	8	4	7	3	6	28
Morton	3	6	5	2	4	20
Nemaha	4	3	6	5	4	22
Neosho	29	20	27	24	29	129
Ness	3	2	4	1	2	12
Norton	2	3	2	5	1	13
Osage	21	21	16	15	15	88
Osborne	6	4	4	4	1	19
Ottawa	4	5	6	1	2	18
Pawnee	7	5	5	6	5	28
Phillips	4	1	3	4	5	17
Pottawatomie	23	17	11	15	13	79
Pratt	17	16	6	14	15	68
Rawlins	1	2	2	1	2	8
Reno	92	88	66	59	51	356
Republic	7	3	2	5	2	19
Rice	10	6	9	14	9	48
Riley	81	79	71	77	60	368
Rooks	4	5	4	4	4	21
Rush	4	2	4	0	3	13
Russell	8	11	6	6	9	40
Saline	92	80	86	65	63	386
Scott	3	7	2	4	6	22
Sedgwick	809	786	676	633	562	3,466
Seward	72	60	46	59	52	289
Shawnee	221	261	227	220	203	1,132
Sheridan	1	3	0	2	3	9
Sherman	6	6	10	5	11	38
Smith	4	2	0	1	2	9
Stafford	5	4	4	3	8	24
Stanton	10	5	2	0	3	20
Stevens	11	7	8	4	7	37
Sumner	40	26	27	28	29	150
Thomas	14	7	8	9	11	49
Trego	3	3	2	1	0	9
Wabaunsee	8	7	1	2	9	27
Wallace	1	0	1	1	0	3
Washington	4	4	1	1	1	11
Wichita	0	3	2	1	2	8
Wilson	12	18	14	9	13	66
Woodson	3	5	7	4	2	21
Wyandotte	372	350	307	266	263	1,558
Unknown	0	1	5	3	13	22
Kansas	3,753	3,563	3,144	2,962	2,808	16,230

*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†, Females Aged 18-19 Years
by County of Residence and Year, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Allen	91.8	156.5	70.0	53.3	74.1	83.7
Anderson	98.9	90.9	158.5	135.1	12.3	98.6
Atchison	66.7	90.3	55.4	45.9	35.7	56
Barber	153.8	133.3	119.0	51.7	129.6	116.5
Barton	113.7	88.0	90.0	96.6	74.2	93.1
Bourbon	149.3	128.2	74.9	140.6	153.4	127.1
Brown	158.3	109.5	132.7	165.1	107.8	134.3
Butler	79.2	79.9	61.8	41.9	66.9	65.6
Chase	137.9	76.9	105.3	0.0	43.5	73.8
Chautauqua	137.3	187.5	0.0	111.1	129.0	121.8
Cherokee	131.0	110.7	116.3	138.5	103.0	120.2
Cheyenne	0.0	40.0	0.0	38.5	0.0	16.4
Clark	117.6	0.0	0.0	95.2	50.0	53.2
Clay	109.8	153.8	100.0	103.1	75.0	110.6
Cloud	86.6	67.4	72.2	48.9	44.7	65.1
Coffey	103.9	82.4	58.1	62.5	63.3	73.7
Comanche	55.6	100.0	222.2	187.5	0.0	90.9
Cowley	94.7	81.1	81.6	77.9	77.3	82.7
Crawford	64.9	76.3	46.7	49.1	46.2	56.8
Decatur	0.0	33.3	76.9	277.8	52.6	74.8
Dickinson	87.8	97.3	98.5	115.7	81.0	96.2
Doniphan	52.0	34.5	20.8	21.6	50.0	35.4
Douglas	25.0	21.3	21.4	16.8	22.6	21.3
Edwards	176.5	76.9	115.4	30.3	47.6	87
Elk	166.7	62.5	117.6	90.9	74.1	101.6
Ellis	43.6	32.2	50.8	26.0	31.4	36.6
Ellsworth	19.2	109.1	81.1	44.4	18.9	53.7
Finney	149.9	156.8	131.8	151.9	122.6	142.6
Ford	166.7	194.4	134.5	131.4	119.0	147.5
Franklin	122.8	105.0	89.2	70.8	63.2	89.6
Geary	235.6	197.0	132.5	201.9	199.0	188.3
Gove	0.0	32.3	0.0	0.0	43.5	15.6
Graham	76.9	83.3	235.3	200.0	100.0	130.8
Grant	139.2	180.2	151.5	129.0	137.9	149.3
Gray	98.0	114.8	24.7	34.1	54.8	59.3
Greeley	250.0	375.0	0.0	0.0	0.0	75.8
Greenwood	79.4	43.5	135.6	163.6	200.0	118.2
Hamilton	175.0	105.3	135.1	113.6	135.1	132.7
Harper	115.4	140.8	81.6	96.2	75.8	103.4
Harvey	72.1	75.0	75.7	75.5	74.8	74.6
Haskell	170.2	111.1	109.1	74.6	203.1	132.4
Hodgeman	0.0	29.4	43.5	35.7	0.0	24.2
Jackson	127.0	101.9	148.1	57.1	34.2	92.3
Jefferson	94.4	80.4	36.5	53.7	46.9	61.7
Jewell	111.1	37.0	71.4	38.5	137.9	81.3
Johnson	64.0	55.3	56.7	48.8	44.6	53.7
Kearny	191.5	87.0	137.3	111.1	87.0	120.2
Kingman	74.1	94.1	89.6	79.5	61.7	79.6
Kiowa	32.3	51.3	0.0	15.2	39.2	23.9
Labette	148.9	147.9	147.0	97.7	96.5	129.6
Lane	47.6	0.0	0.0	0.0	0.0	11
Leavenworth	114.5	82.3	64.1	82.1	80.1	84.8
Lincoln	111.1	38.5	87.0	90.9	64.5	76.3
Linn	150.7	89.1	71.4	73.7	135.1	99.8
Logan	0.0	47.6	0.0	55.6	62.5	33.3

Table 16. Pregnancy* Rates†, Females Aged 18-19 Years
by County of Residence and Year, Kansas, 2008-2012

County of Residence	2008	2009	2010	2011	2012	5-year Rate
Lyon	62.9	39.6	63.1	47.9	41.0	50.8
Mcperson	70.7	37.4	53.3	113.5	71.1	62.7
Marion	20.9	29.7	70.6	72.7	46.2	44.9
Marshall	42.4	70.2	64.5	32.0	31.9	42.8
Meade	133.3	106.4	78.9	131.1	0.0	86.3
Miami	79.6	104.7	74.4	69.4	60.3	78.3
Mitchell	64.5	31.6	51.7	90.9	0.0	47.2
Montgomery	143.5	128.8	89.8	77.5	99.8	105.2
Morris	111.1	59.7	118.6	52.6	127.7	92.7
Morton	83.3	136.4	116.3	57.1	153.8	108.7
Nemaha	35.7	27.3	81.1	49.5	35.1	43.1
Neosho	125.5	83.7	111.6	102.1	128.9	110.1
Ness	103.4	69.0	190.5	41.7	50.0	83.9
Norton	47.6	63.8	48.8	86.2	22.7	56
Osage	121.4	94.6	92.0	87.7	84.3	95.9
Osborne	142.9	108.1	142.9	88.9	22.7	96.9
Ottawa	66.7	82.0	139.5	23.3	37.0	69
Pawnee	97.2	78.1	90.9	98.4	80.6	89.2
Phillips	57.1	20.0	81.1	70.2	72.5	60.1
Pottawatomie	94.7	63.7	42.5	54.5	52.0	61.1
Pratt	124.1	108.1	33.9	85.9	95.5	87
Rawlins	34.5	66.7	111.1	37.0	83.3	62.5
Reno	117.0	130.4	71.5	71.2	66.1	89.4
Republic	152.2	55.6	64.5	104.2	41.7	83.7
Rice	34.5	19.2	47.6	69.3	47.9	40.6
Riley	30.5	27.5	25.2	26.1	22.9	26.4
Rooks	105.3	111.1	63.5	65.6	74.1	80.5
Rush	117.6	54.1	133.3	0.0	125.0	85
Russell	137.9	157.1	133.3	88.2	120.0	126.6
Saline	166.1	123.6	121.1	94.1	102.9	120.1
Scott	78.9	134.6	46.5	90.9	150.0	101.4
Sedgwick	140.2	137.6	101.8	101.4	91.5	113.6
Seward	189.5	190.5	117.6	154.9	148.1	159
Shawnee	112.2	135.6	104.0	106.6	97.7	110.8
Sheridan	38.5	103.4	0.0	117.6	115.4	79.6
Sherman	75.9	65.2	158.7	60.2	183.3	100.8
Smith	100.0	46.5	0.0	27.0	55.6	47.1
Stafford	108.7	59.7	93.0	62.5	177.8	96.4
Stanton	384.6	172.4	69.0	0.0	107.1	151.5
Stevens	186.4	93.3	125.0	45.5	93.3	102.5
Sumner	129.4	88.1	111.1	112.0	111.1	110.5
Thomas	64.5	30.6	37.0	32.1	62.5	43.8
Trego	187.5	125.0	87.0	30.3	0.0	67.2
Wabaunsee	135.6	104.5	13.9	30.8	136.4	82.1
Wallace	71.4	0.0	55.6	52.6	0.0	33
Washington	52.6	72.7	25.6	19.2	17.2	39.3
Wichita	0.0	120.0	153.8	45.5	80.0	79.2
Wilson	129.0	159.3	177.2	89.1	136.8	137.2
Woodson	96.8	172.4	241.4	181.8	90.9	157.9
Wyandotte	187.6	190.5	148.7	133.9	135.1	158.7
Kansas	95.7	88.5	77.6	72.2	70.8	80.9

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

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

2008-2012 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

Figure 1. Pregnancy Rates for Selected Female Age-Groups
 Kansas, 1993-2012

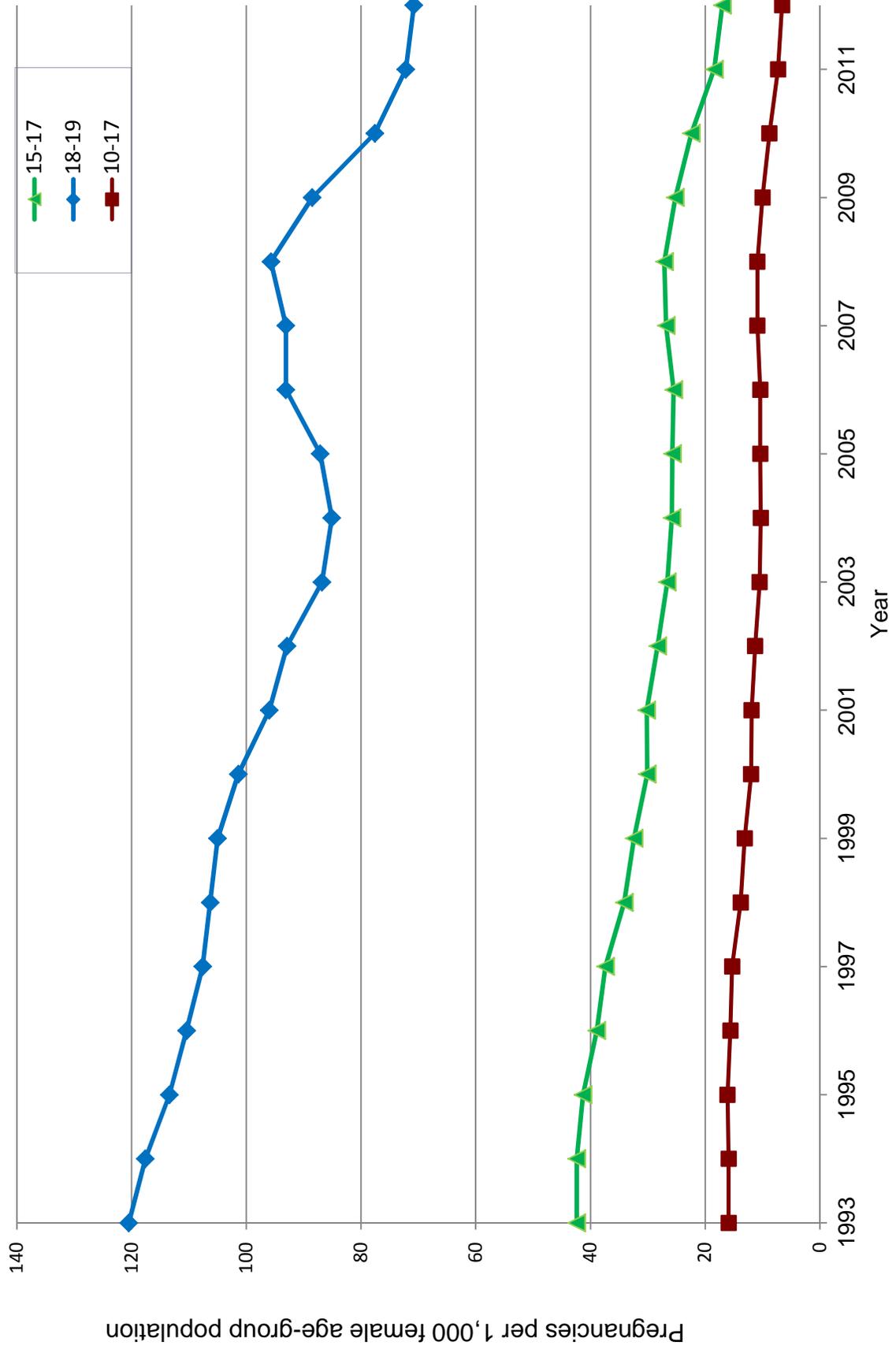


Figure 2. Three Year Rolling Average
 Pregnancy Rates for Selected Population Groups
 Females Aged 15-17 Years, Kansas, 1998-2012

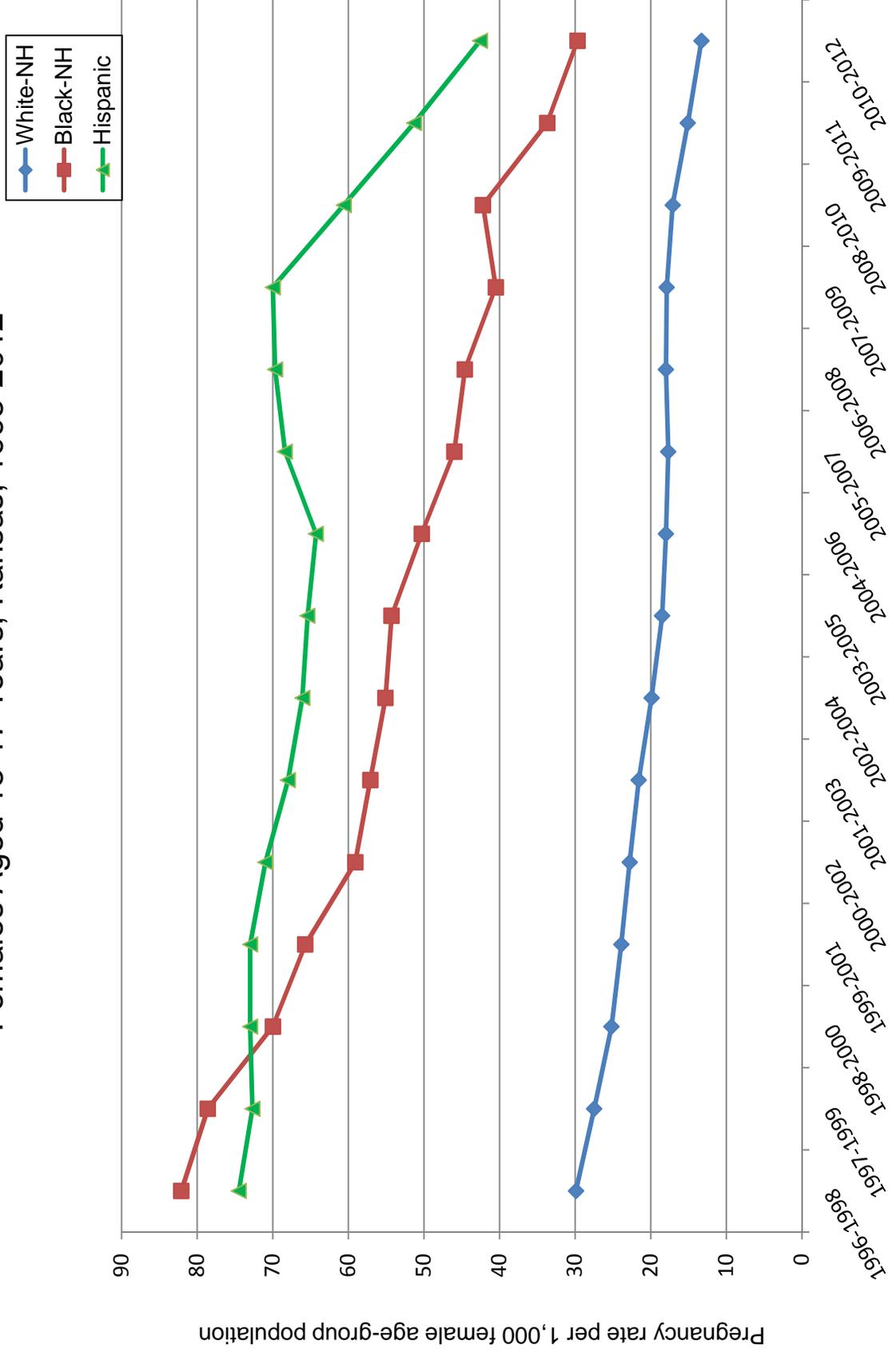


Figure 3. Three Year Rolling Average
 Pregnancy Rates for Selected Population Groups
 Females Aged 18-19 Years, Kansas, 1998-2012

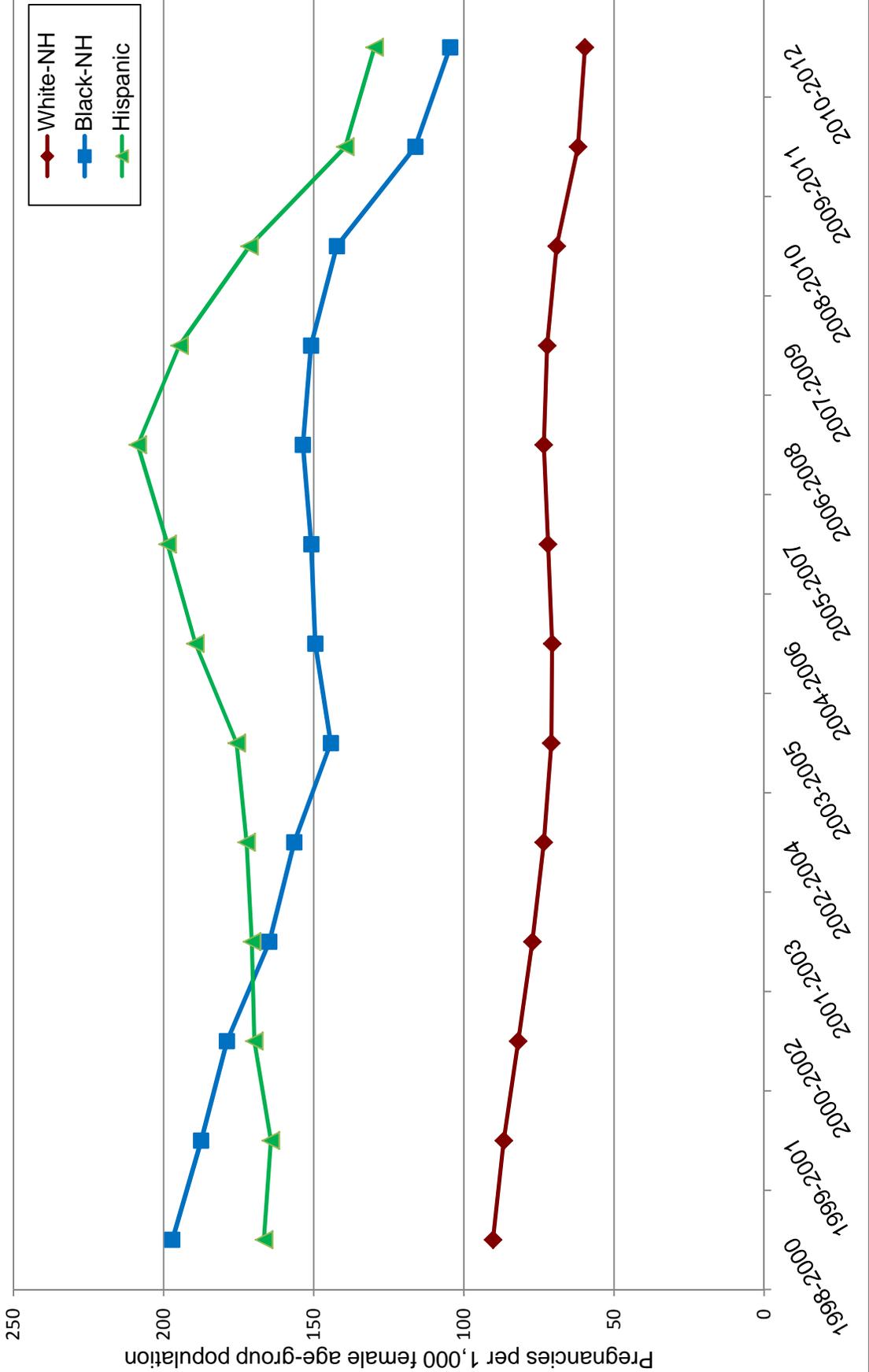


Figure 4. Three Year Rolling Average
 Pregnancy Rates for Selected Population Groups
 Females Aged 10-17 Years, Kansas, 1998-2012

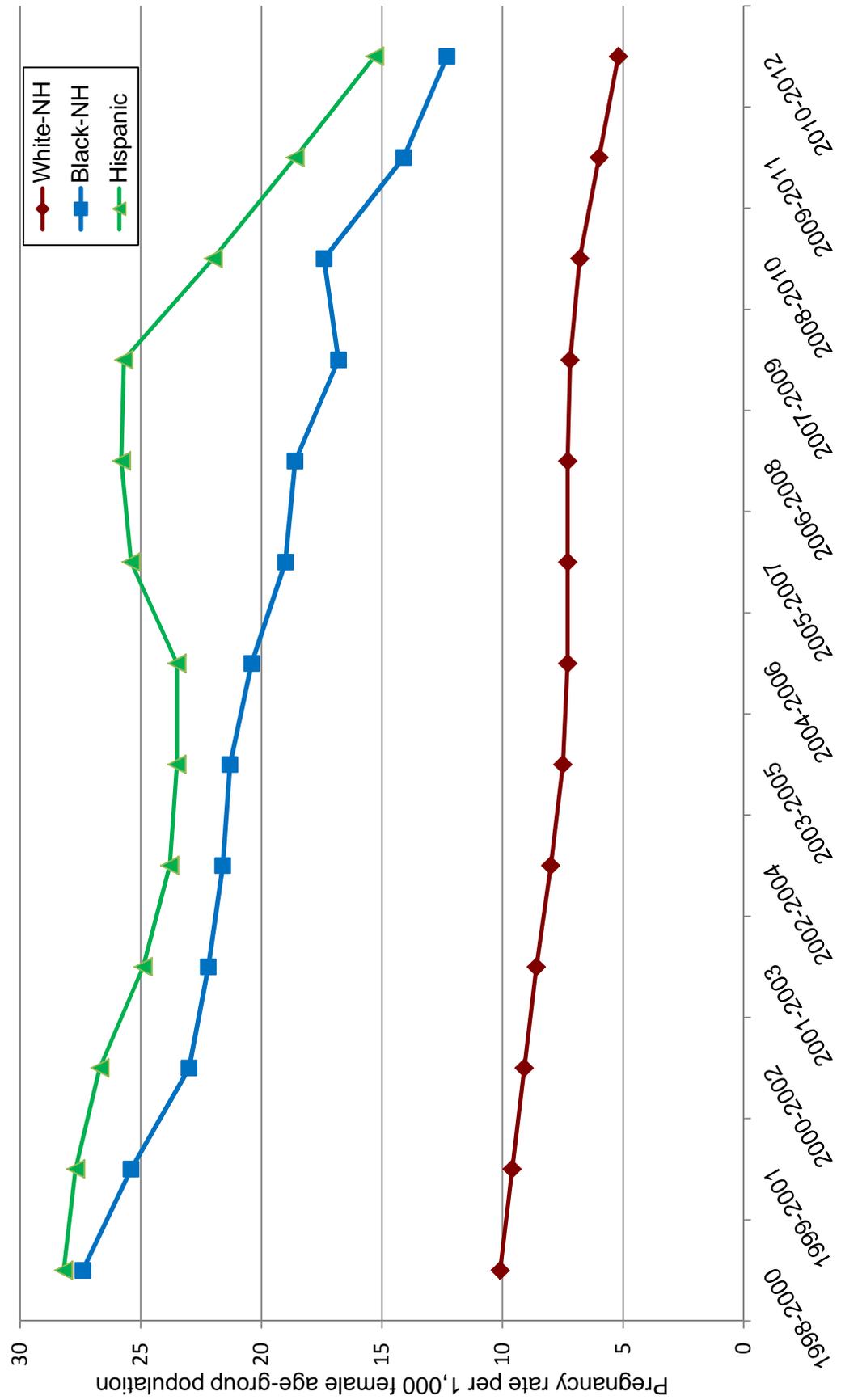
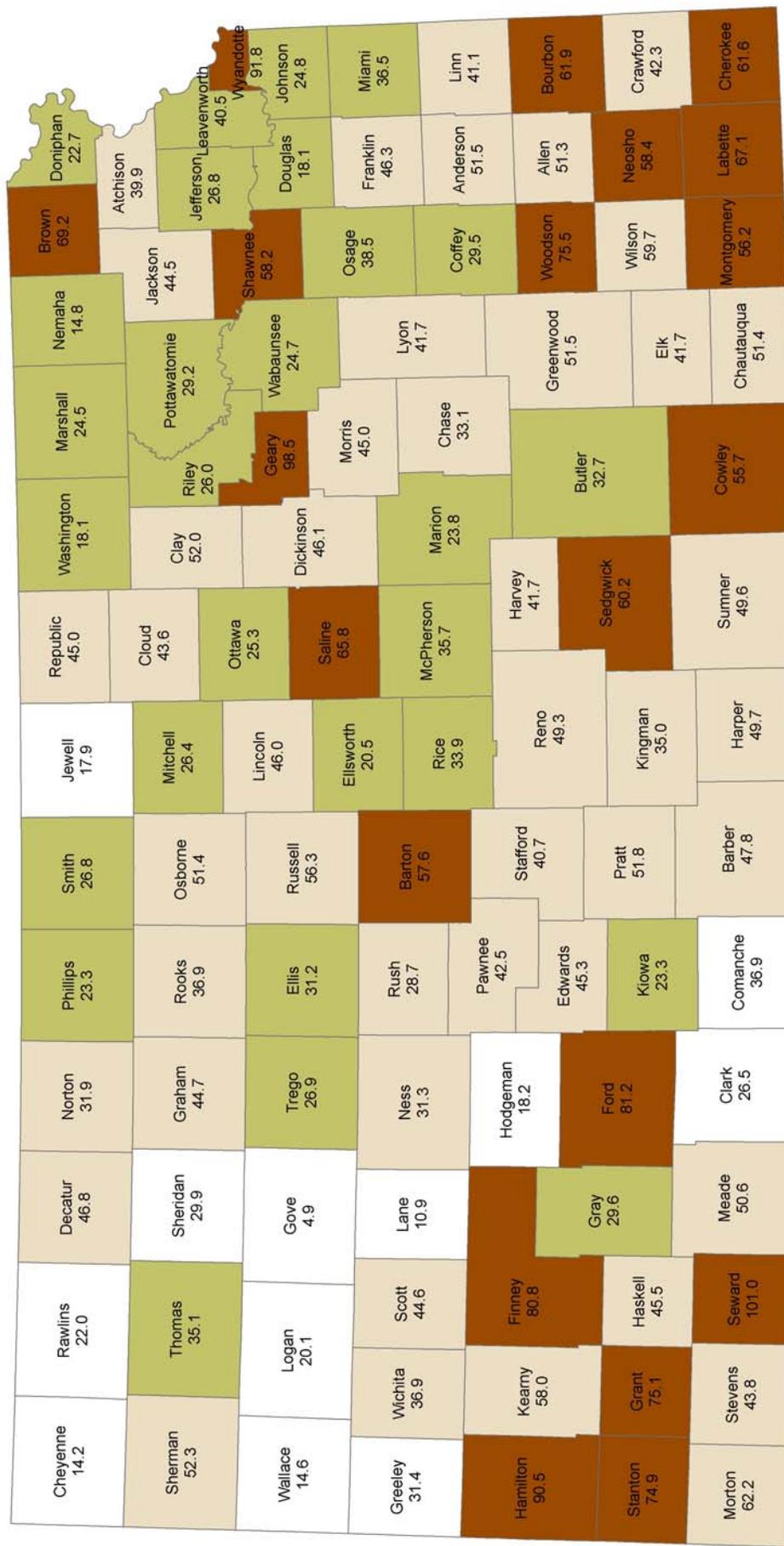


Figure 5. County Pregnancy Rates Relative to State Pregnancy Rate
Among Females Aged 15-19 Years, Kansas, 2008-2012



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 2008 and 2012, the adolescent and teen pregnancy rate for Kansas varied from 28.6 to 19.7 teenage pregnancies per 1,000 10-19 female population. The 2008-2012 5-year teenage pregnancy rate was 27.6. 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 2012, Stanton County had one of the lowest 10-19 female populations in Kansas at 152 and Johnson County had one of the highest at 37,666. With four teenage pregnancies occurring for Stanton County residents in 2012, the 10-19 teenage pregnancy rate was 26.3; whereas 365 teenage pregnancies occurring for Johnson County residents resulted in a teen pregnancy rate of 9.7 per 1,000 10-19 female population. If five more teenage pregnancies had occurred for each county, Stanton County's teenage pregnancy rate would have increased to 46.1, while Johnson County's rate would have increased only slightly, to 9.8 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, 2002-2009 and 2011-2012 female age-group population estimates and actual population counts for 1990, 2000 and 2010 were obtained from the U.S. Census Bureau on the Internet at: <http://www.census.gov/popest/estimates.php>. The 2001 female age-group population estimates were compiled by the Kansas Department of Health and Environment based on the 2000 Census counts.

2003-2012 female age-group county population estimates were obtained from the Bridged-race Vintage 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 and 2012 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 or 2010 actual census counts. In order to facilitate a time series comparison, the assignment of counties to their peer group remains unchanged until the next decennial census. They will not necessarily have similar values for any other indicators. Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These definitions originated with the Kansas Department of Health and Environment, Office of

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

Counties are grouped in population density peer groups as follows:

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

Statistical Significance

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

Statistical significance was determined using confidence intervals calculated at the 95 percent level. When the number of events was greater than or equal to 100, the normal distribution was used. When the number of events was less than 100 the poisson distribution 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>

APPENDIX 1
 Kansas County Codes and Groupings

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

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

APPENDIX 2
Population Density County Peer Groups

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

Italicized counties changed peer group after the 2010 Census.

APPENDIX 3
Metric to English Conversions for Birth Weight Categories

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

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

CERTIFICATE OF LIVE BIRTH

115-

State File Number

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

34. IF HOME BIRTH, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					
35. MOTHER'S SOCIAL SECURITY NUMBER			36. FATHER'S SOCIAL SECURITY NUMBER		
37a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		37b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
37c. IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED? <input type="checkbox"/> Yes <input type="checkbox"/> No		37d. MOTHER REFUSES TO GIVE HUSBAND'S INFORMATION <input type="checkbox"/> Yes <input type="checkbox"/> No			
38. WHAT IS THE PRIMARY LANGUAGE SPOKEN IN THE HOME? <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Vietnamese <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Russian <input type="checkbox"/> Ukrainian <input type="checkbox"/> Mandarin <input type="checkbox"/> Cantonese <input type="checkbox"/> Sign Language <input type="checkbox"/> Other (Specify) _____					
39. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "No" box if the parent is not Spanish, Hispanic, or Latino.)		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	
				<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 checked="" type="checkbox"/> Unknown	
41. ANCESTRY - What is the parents' ancestry or ethnic origin? - Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)			42. OCCUPATION AND BUSINESS/INDUSTRY		
			Occupation	Business/Industry (Do not give name of company.)	
41a. MOTHER		42a. MOTHER (Most recent)		42c. MOTHER	
41b. FATHER		42b. FATHER (Usual)		42d. FATHER	
43. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)					
43a. MOTHER'S EDUCATION		43b. FATHER'S EDUCATION			
<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 9 th - 12 th grade, no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input checked="" 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		44c. DATE OF LAST LIVE BIRTH (Month, Year)	
		45a. Before 20 weeks Number _____ <input type="checkbox"/> None		45b. 20 weeks & over Number _____ <input type="checkbox"/> None	
		45c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		48. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)	
				49. PRENATAL VISITS-Total Number (If none, enter "0")	
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 For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. If none, enter "0". Average number of cigarettes or packs of cigarettes smoked per day: No. No. Three months before pregnancy: _____ cigarettes or _____ packs First three months of pregnancy: _____ cigarettes or _____ packs Second three months of pregnancy: _____ cigarettes or _____ packs Third Trimester of pregnancy: _____ cigarettes or _____ packs				58. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown	
				59. MOTHER'S MEDICAL RECORD NO.	60. NEWBORN'S MEDICAL RECORD NO.
61. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name) FACILITY TRANSFERRED FROM: _____				62. INFANT TRANSFERRED (Within 24 hours of delivery) <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name) FACILITY TRANSFERRED TO: _____	

PRENATAL (Birth)	LABOR-DELIVERY/NEWBORN							
<p>63. NUTRITION OF MOTHER</p> <p>1. Height _____</p> <p>2. Prepregnancy Weight _____</p> <p>3. Weight at delivery _____</p> <p>4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____</p>	<p>66. OBSTETRICAL PROCEDURES (Check all that apply.)</p> <p>1. <input type="checkbox"/> Cervical cerclage</p> <p>2. <input type="checkbox"/> Tocolysis</p> <p>3. External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed</p> <p>4. <input type="checkbox"/> None of the above</p>	<p>70. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.)</p> <p>1. <input type="checkbox"/> Gonorrhea 5. <input type="checkbox"/> Hepatitis B</p> <p>2. <input type="checkbox"/> Syphilis 6. <input type="checkbox"/> Hepatitis C</p> <p>3. <input type="checkbox"/> Herpes Simplex Virus (HSV) 7. <input type="checkbox"/> AIDS or HIV antibody</p> <p>4. <input type="checkbox"/> Chlamydia 8. <input type="checkbox"/> None of the above</p>						
<p>64. MEDICAL RISK FACTORS (Check all that apply.)</p> <p>1. <input type="checkbox"/> Diabetes, prepregnancy</p> <p>2. <input type="checkbox"/> Diabetes, gestational</p> <p>3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia</p> <p>4. <input type="checkbox"/> Previous preterm birth</p> <p>5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.)</p> <p>6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor</p> <p>7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</p> <p>8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many? Number: _____</p> <p>9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____</p> <p>10. <input type="checkbox"/> None of the above</p>	<p>67. ONSET OF LABOR (Check all that apply.)</p> <p>1. <input type="checkbox"/> Premature Rupture of the Membranes (prolonged, ≥ 12 hours)</p> <p>2. <input type="checkbox"/> Precipitous Labor (< 3 hrs)</p> <p>3. <input type="checkbox"/> Prolonged Labor (≥ 20 hrs)</p> <p>4. <input type="checkbox"/> None of the above</p>	<p>71. ABNORMAL CONDITIONS OF NEWBORN (Check all that apply)</p> <p>1. <input type="checkbox"/> Assisted ventilation required immediately following delivery</p> <p>2. <input type="checkbox"/> Assisted ventilation required for more than six hours</p> <p>3. <input type="checkbox"/> NICU admission</p> <p>4. <input type="checkbox"/> Newborn given surfactant replacement therapy</p> <p>5. <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis</p> <p>6. <input type="checkbox"/> Seizure or serious neurologic dysfunction</p> <p>7. <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention)</p> <p>8. <input type="checkbox"/> None of the above</p>						
<p>65. METHOD OF DELIVERY</p> <p>1. Forceps attempted? Yes _____ No _____ Successful Yes _____ No _____</p> <p>2. Vacuum extraction attempted? Yes _____ No _____ Successful Yes _____ No _____</p> <p>3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other</p> <p>4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____</p>	<p>68. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply.)</p> <p>1. <input type="checkbox"/> Induction of labor</p> <p>2. <input type="checkbox"/> Augmentation of labor</p> <p>3. <input type="checkbox"/> Non-vertex presentation</p> <p>4. <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery</p> <p>5. <input type="checkbox"/> Antibiotics received by the mother during labor</p> <p>6. <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature ≥ 38 C (100.4 F)</p> <p>7. <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid</p> <p>8. <input type="checkbox"/> Fetal intolerance of labor: (examples: in-utero resuscitative measures, further fetal assessment, or operative delivery)</p> <p>9. <input type="checkbox"/> Epidural or spinal anesthesia during labor</p> <p>10. <input type="checkbox"/> None of the above</p>	<p>72. VACCINES ADMINISTERED TO NEWBORN</p> <p>1. <input type="checkbox"/> Hepatitis B Date Given: _____</p> <p>2. <input type="checkbox"/> Other* Specify: _____ Date Given: _____</p>						
<p>73. APGAR SCORE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">1 min</td> <td style="width: 33%; text-align: center;">5 min</td> <td style="width: 33%; text-align: center;">10 min</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> <td></td> </tr> </table>			1 min	5 min	10 min			
1 min	5 min	10 min						
<p>74. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)</p> <p>1. <input type="checkbox"/> Anencephaly</p> <p>2. <input type="checkbox"/> Meningocele/Spina bifida</p> <p>3. <input checked="" 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 checked="" 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>								
<p>69. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.)</p> <p>1. <input type="checkbox"/> Maternal transfusion</p> <p>2. <input checked="" 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>								

CHILD'S NAME _____

MOTHER'S NAME _____

<p>Test required by K.S.A. 65-153f 153G Serological Test Made:</p> <p>_____ 1st _____ 2nd _____ 3rd (Trimester)</p> <p>_____ At Delivery _____ Not Performed</p> <p>If no test made, state reason:</p>	<p>Test required by K.S.A. 65-180 Infant Neonatal Screening specimen taken:</p> <p>_____ Yes _____ No</p> <p>If no test made, state reason:</p>	<p>Test required by K.S.A. 65-1157A Newborn Hearing Screening Accomplished:</p> <p>_____ Yes _____ No</p>			
<p>Infant's patient number:</p>					
<p>Infant's Primary Care Physician</p>					
<p>First</p>	<p>Middle</p>	<p>Last</p>	<p>Title (MD, DO, etc.)</p>		
<p>If screening accomplished, Date hearing screened _____/_____/_____</p> <p style="text-align: center; font-size: small;">Month Day Year</p>	<p>The results of the hearing screening ✓:</p> <p>Right ear: _____ Pass _____ Refer for further testing</p> <p>Left ear: _____ Pass _____ Refer for further testing</p>				
<p>Physiologic equipment used ✓: _____ OAE _____ AABR _____ ABR</p>					
<p>If screening not accomplished, ✓ one reason:</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"> <p>_____ b – missed appointment</p> <p>_____ c – could not test</p> <p>_____ d – deceased</p> <p>_____ i – Incomplete test</p> <p>_____ m – Infant discharged before screening</p> <p>_____ n – transferred to NICU</p> </td> <td style="width:50%; border: none;"> <p>_____ o – other</p> <p>_____ r – did not consent</p> <p>_____ s – scheduled but not completed</p> <p>_____ t – transferred to another hospital</p> <p>_____ u – no information</p> <p>_____ x – invalid results</p> </td> </tr> </table>				<p>_____ b – missed appointment</p> <p>_____ c – could not test</p> <p>_____ d – deceased</p> <p>_____ i – Incomplete test</p> <p>_____ m – Infant discharged before screening</p> <p>_____ n – transferred to NICU</p>	<p>_____ o – other</p> <p>_____ r – did not consent</p> <p>_____ s – scheduled but not completed</p> <p>_____ t – transferred to another hospital</p> <p>_____ u – no information</p> <p>_____ x – invalid results</p>
<p>_____ b – missed appointment</p> <p>_____ c – could not test</p> <p>_____ d – deceased</p> <p>_____ i – Incomplete test</p> <p>_____ m – Infant discharged before screening</p> <p>_____ n – transferred to NICU</p>	<p>_____ o – other</p> <p>_____ r – did not consent</p> <p>_____ s – scheduled but not completed</p> <p>_____ t – transferred to another hospital</p> <p>_____ u – no information</p> <p>_____ x – invalid results</p>				

Kansas Department Of Health And Environment
Office of Vital Statistics

CERTIFICATE OF DEATH

State File Number

1. DECEDENT'S LEGAL NAME (First, Middle, Last)		2. SEX	3. IF FEMALE, NAME PRIOR TO FIRST MARRAIGE		4. DATE OF DEATH (Month, Day, Year)	
5. SOCIAL SECURITY NUMBER	6. DATE OF BIRTH (Month, Day, Year)	7a. AGE-Last Birthday (Years)	7b. UNDER 1 YEAR Months	7c. UNDER 1 DAY Days	Hours	Minutes
9. WAS DECEDENT EVER IN U.S. ARMED FORCES? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	10a. PLACE OF DEATH (Check only one)					
	HOSPITAL <input type="checkbox"/> Inpatient <input type="checkbox"/> DOA <input type="checkbox"/> ER/Outpatient		<input type="checkbox"/> Nursing Home <input type="checkbox"/> Hospice Facility <input type="checkbox"/> Assisted Living Facility <input type="checkbox"/> Decedent's Residence <input type="checkbox"/> Other (Specify) _____			
10b. FACILITY NAME (If not institution, give street and number)		10c. COUNTY OF DEATH		10d. CITY OR TOWN OF DEATH		10e. ZIP CODE
11. MARITAL STATUS <input type="checkbox"/> Married <input type="checkbox"/> Married, but separated <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Never Married <input type="checkbox"/> Unknown				12. SURVIVING SPOUSE (If wife, give name before first marriage)		
13a. RESIDENCE-STREET ADDRESS & APARTMENT NO.				13b. STATE		
13c. COUNTY		13d. CITY OR TOWN		13e. ZIP CODE		13f. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
14. FATHER'S NAME (First, Middle, Last)			15. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)			
16a. INFORMANT'S NAME (First, Middle, Last)		16b. MAILING ADDRESS (Street and Number, City, State, Zip Code)			16c. RELATIONSHIP TO DECEDENT	
17. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Removal from State <input type="checkbox"/> Donation <input type="checkbox"/> Entombment <input type="checkbox"/> Other (Specify) _____		18a. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		18b. LOCATION-City or Town, and State		
19. FUNERAL SERVICE LICENSEE & LICENSE NO. (Signature) ➤			20. NAME OF EMBALMER & LICENSE NO.			
21. NAME AND ADDRESS OF FIRM						
22. CAUSE OF DEATH – Part I. Enter the chain of events - diseases, injuries, or complications - that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines, if necessary.						
IMMEDIATE CAUSE (Final disease or condition resulting in death)						Approximate Interval: Onset to Death
a. _____ DUE TO (OR AS A CONSEQUENCE OF):						
b. _____ DUE TO (OR AS A CONSEQUENCE OF):						
c. _____ DUE TO (OR AS A CONSEQUENCE OF):						
d. _____ DUE TO (OR AS A CONSEQUENCE OF):						
PART II. Enter other significant conditions contributing to death, but not resulting in the underlying cause given in Part I.			23a. AUTOPSY <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		23b. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Not Applicable	
24. DID TOBACCO USE CONTRIBUTE TO DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> Probably <input type="checkbox"/> No <input type="checkbox"/> Unknown		25. IF FEMALE <input type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Not pregnant, but pregnant 43 days to 1 year before death <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Unknown if pregnant within the last year <input type="checkbox"/> Not pregnant, but pregnant within 42 days of death			26. MANNER OF DEATH <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Pending Investigation <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be determined	
27a. DATE OF INJURY (Month, Day, Year)	27b. TIME OF INJURY A.M. P.M.	27c. INJURY AT WORK <input type="checkbox"/> Yes <input type="checkbox"/> No	27d. DESCRIBE HOW INJURY OCCURRED			
27e. PLACE OF INJURY-Residence, farm, street, factory, building, etc. (Specify)			27f. LOCATION (Street and Number or Rural Route, City or Town, State, Zip Code)			
28a. DATE PRONOUNCED DEAD (Month, Day, Year)	28b. TIME PRONOUNCED DEAD A.M. P.M.	28c. ACTUAL OR PRESUMED TIME OF DEATH A.M. P.M.	28d. NAME OF PERSON PRONOUNCING DEATH (If applicable)		28e. LICENSE NO.	
29a. CERTIFIER (Check only one) <input type="checkbox"/> Certifying physician - To the best of my knowledge, death occurred due to the cause(s) and manner stated. <input type="checkbox"/> Pronouncing & Certifying physician - To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner stated. <input type="checkbox"/> Coroner - On the basis of examination, and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner stated.						
Signature of certifier ➤			LICENSE NO.		DATE CERTIFIER SIGNED	
29b. NAME, ADDRESS, AND ZIP CODE OF PERSON COMPLETING CAUSE OF DEATH <input type="checkbox"/> M.D. <input type="checkbox"/> D.O.					30. DATE FILED BY STATE REGISTRAR (Month, Day, Year)	

<p>31. ANCESTRY-What is this person's ancestry or ethnic origin? Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)</p>	<p>33. RACE (Check one or more boxes to indicate what race(s) the decedent considered himself or herself to be.)</p>	<p>34. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of death.)</p>
<p>32. HISPANIC ORIGIN (Check the box or boxes that best describes whether the decedent is Spanish/Hispanic/Latino. Check the "no" box if the decedent is not Spanish/Hispanic/Latino)</p>	<p><input type="checkbox"/> White</p> <p><input type="checkbox"/> Black or African American</p> <p><input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes)</p> <p>_____</p> <p>_____</p>	<p><input type="checkbox"/> 8th grade or less</p> <p><input type="checkbox"/> 9th - 12th grade; no diploma</p> <p><input type="checkbox"/> High school graduate or GED</p> <p><input type="checkbox"/> Some College credit, but no degree</p> <p><input type="checkbox"/> Associate degree (e.g., AA, AS)</p> <p><input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)</p> <p><input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)</p> <p><input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)</p> <p><input type="checkbox"/> Unknown</p>
<p><input type="checkbox"/> No, not Spanish/Hispanic/Latino</p> <p><input type="checkbox"/> Yes, Mexican/Mexican American/Chicano</p> <p><input type="checkbox"/> Yes, Puerto Rican</p> <p><input type="checkbox"/> Yes, Cuban</p> <p><input type="checkbox"/> Yes, Central American</p> <p><input type="checkbox"/> Yes, South American</p> <p><input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify)</p> <p>_____</p> <p><input type="checkbox"/> Unknown</p>	<p><input type="checkbox"/> Asian Indian</p> <p><input type="checkbox"/> Chinese</p> <p><input type="checkbox"/> Filipino</p> <p><input type="checkbox"/> Japanese</p> <p><input type="checkbox"/> Korean</p> <p><input type="checkbox"/> Vietnamese</p> <p><input type="checkbox"/> Other Asian (Specify)</p> <p>_____</p> <p>_____</p>	<p>35. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.)</p>
	<p><input type="checkbox"/> Native Hawaiian</p> <p><input type="checkbox"/> Guamanian or Chamorro</p> <p><input type="checkbox"/> Samoan</p> <p><input type="checkbox"/> Other Pacific Islander (Specify)</p> <p>_____</p> <p>_____</p> <p><input type="checkbox"/> Other (Specify)</p> <p>_____</p> <p>_____</p> <p><input type="checkbox"/> Unknown</p>	<p>36. KIND OF BUSINESS/INDUSTRY (Do not give name of company.)</p>

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF STILLBIRTH (FETAL DEATH)

State File Number

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

CONFIDENTIAL INFORMATION FOR INTERNAL USE ONLY

37. IF HOME DELIVERY, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			38. MOTHER'S MEDICAL RECORD NO.		
39a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		39b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
40. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "no" box if the parent is not Spanish, Hispanic, or Latino.)			41. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)		
40a. MOTHER-		40b. FATHER-		41a. MOTHER	
<input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____ <input type="checkbox"/> Unknown		<input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown		<input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown	
42. ANCESTRY - What is the parents' ancestry or ethnic origin? - Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)			43. OCCUPATION AND BUSINESS/INDUSTRY		
			Occupation		Business/Industry (Do not give name of company.)
42a. MOTHER		43a. MOTHER (Most recent)		43c. MOTHER	
42b. FATHER		43b. FATHER (Usual)		43d. FATHER	
44. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)					
44a. MOTHER'S EDUCATION		44a. FATHER'S EDUCATION			
<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 9 th - 12 th grade, no diploma <input type="checkbox"/> Associate degree (e.g., AA,AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	
45. PREVIOUS LIVE BIRTHS (Do not include this child.)		46. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)		47. PLURALITY - Single, Twin, Triplet, etc. (Specify)	
45a. Now living Number _____ <input type="checkbox"/> None	45b. Now dead Number _____ <input type="checkbox"/> None	46a. Before 20 weeks Number _____ <input type="checkbox"/> None	46b. 20 weeks & over Number _____ <input type="checkbox"/> None	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")		51. WEIGHT OF FETUS (grams)			
56. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked per day . If none, enter "0". Average number of cigarettes or packs of cigarettes smoked per day : No. No. Three months before pregnancy: _____ cigarettes or _____ packs First three months of pregnancy: _____ cigarettes or _____ packs Second three months of pregnancy: _____ cigarettes or _____ packs Third Trimester of pregnancy: _____ cigarettes or _____ packs			57. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other <input type="checkbox"/> Unknown		
			58a. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)		58b. FACILITY TRANSFERRED FROM:

CHILD'S NAME _____
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MOTHER'S NAME _____

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

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

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

If no test made, state reason: _____