



Kansas

Adolescent and Teenage Pregnancy Report Kansas, 2009

Research Summary

**Bureau of Epidemiology and Public Health Informatics
Division of Health**

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January 2011

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Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

Our Mission – To Protect the Health and Environment of Kansans by Promoting
Responsible Choices

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Introduction

Maintaining and improving family health is an essential component of the public health mission of the Kansas Department of Health and Environment. Facilitating healthy pregnancies and positive 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 members of that society. It is in this role 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.

While the department provides a series of tables on teen and adolescent pregnancies in the *Kansas Annual Summary of Vital Statistics*, this report builds on that information by combining additional analytical tables into one resource. Adolescent and teen pregnancies are evaluated in a number of different ways. Thus, in this report the reader will see a number of different combinations of age-groups, i.e., 10-14, 15-17, 18-19, and 10-19, used in the tabulations. This is not meant to confuse the reader but to provide the diverse audience of legislators, policy makers, media, program administrations and the public who closely monitor pregnancy issues with a data summary that meets their needs.

For purposes of this report adolescents and teens refer to persons who range in age from 10 to 19. Pregnancies are defined as stillbirths, abortions, and live births. Data for this report are obtained through analysis of reports and certificates registered with the BEPHI Office of Vital Statistics. Readers will be able to review both the frequency of adolescent and teen pregnancies as well as the population-based rate. Using the population-based rates, comparisons among counties or with the state are possible. Multi-year rates are prepared for those instances where low counts may inordinately influence a single-year rate.

Several of these tables are taken from the *2009 Annual Summary of Vital Statistics*. Both products can be found at <http://www.kdheks.gov/bephi/>. Other tabulations of pregnancy data are possible at the Kansas Information for Communities (KIC) Website: <http://kic.kdhe.state.ks.us/kic/preg.html>.

Highlights

Teenage females, aged 10 to 19, accounted for 10.9 percent (5,036) of the 46,381 pregnancies in 2009. Of those teenage pregnancies, 84.7 percent resulted in a live birth (4,265), 15.0 percent in abortion (756), and the remainder in stillbirths (15).

The pregnancy rate for females aged 10-19 was 26.8 per 1,000 women in 2009, down 6.3 percent from 2008 (28.6).

The rate for teens 10-17 dropped 8.3 percent to 10.0 per 1,000 in 2009 from 10.9 in 2008. The 2009 rate for teens 15-19, 51.6 per 1,000, dropped 6.2 percent from the 2008 rate of 55.0. The rate for teens 10-14 in 2009 was 0.6 per 1,000, a drop of 14.3 percent from the 2008 rate of 0.7.

The number and rate of teenage pregnancies (10-19) decreased in 2009, reversing a series of increases in each of the four previous years (2005-2008). The longer term trend is also downward. Teenage pregnancy rates (10-19) dropped 23.6 percent overall during the past two decades 1990-2009.

Of the 5,036 Kansas females aged 10-19 who were pregnant in 2009; most (98.9 percent) were between 15 and 19 years of age. The Kansas teenage pregnancy rates for females 15-19 years of age decreased 26.8 percent between 1990 and 2009. Teen pregnancy rates for females aged 10-17 decreased 33.3 percent during this same time frame.

In 2009, densely-settled rural counties had the highest pregnancy rates for 10-19 year old females, followed by urban and semi-urban counties.

The five-year (2005-2009) teen pregnancy rate for Kansas resident females 10-19 years of age was 27.4 per 1,000. The lowest five-year rate in the state was in Wallace County with 3.8 pregnancies per 1,000 females 10-19 years of age. The highest rate was in Seward County with 53.0 per 1,000 females 10-19 years of age.

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**Table 1. Teenage Pregnancies by Number and Rate*
For Mothers Under 20
Kansas Residents, 1990-2009**

Year	Teen (10-19) Pregnancies	Age-Group				Teen (10-19) Pregnancy Rate	Pregnancy Rate		
		10-14	15-17	18-19	15-19		10-14	10-17	15-19
1990	5,993	93	1,930	3,970	5,900	35.1	1.1	15.0	70.5
1991	5,743	98	1,904	3,741	5,645	33.3	1.1	14.4	69.0
1992	6,165	111	2,110	3,944	6,054	34.8	1.2	15.4	72.6
1993	6,405	133	2,219	4,053	6,272	35.2	1.4	15.9	73.3
1994	6,500	124	2,302	4,074	6,376	34.8	1.3	15.9	71.9
1995	6,552	153	2,332	4,067	6,399	34.5	1.6	16.1	69.5
1996	6,498	133	2,276	4,089	6,365	33.9	1.4	15.6	67.0
1997	6,469	123	2,260	4,086	6,346	33.3	1.3	15.3	64.7
1998	6,444	108	2,087	4,249	6,336	32.4	1.1	13.8	62.0
1999	6,402	103	1,979	4,320	6,299	31.9	1.1	13.1	60.7
2000	6,090	94	1,819	4,177	5,996	30.3	0.9	12.0	58.7
2001	5,818	79	1,819	3,920	5,739	28.8	0.8	11.9	56.0
2002	5,586	86	1,684	3,816	5,500	28.3	0.9	11.3	54.7
2003	5,174	73	1,559	3,542	5,101	26.4	0.8	10.5	51.3
2004	5,026	71	1,492	3,463	4,955	26.1	0.8	10.3	50.3
2005	5,044	69	1,483	3,492	4,975	26.7	0.8	10.4	50.8
2006	5,192	85	1,507	3,600	5,107	27.1	0.9	10.4	52.2
2007	5,268	70	1,573	3,625	5,198	27.8	0.8	10.9	53.2
2008	5,371	66	1,552	3,753	5,305	28.6	0.7	10.9	55.0
2009	5,036	56	1,417	3,563	4,980	26.8	0.6	10.0	51.6

*Rate per 1,000 female age-group population

Teenage pregnancies is 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 2. Teenage Pregnancies* for 10-19 Year Olds by Component
By County of Residence and by Peer Group, Kansas, 2009**

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies		Teenage** Pregnancy Rate		Teenage** Preg. 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	10-19
ALLEN	0	26	0	1	0	3	0	30	0.0	74.3	38.0
ANDERSON	0	13	0	0	0	0	0	13	0.0	50.2	24.4
ATCHISON	0	31	0	0	0	5	0	36	0.0	51.8	28.1
BARBER	0	11	0	0	0	0	0	11	0.0	71.0	36.5
BARTON	0	43	0	0	0	14	0	57	0.0	56.8	30.2
BOURBON	0	28	0	1	0	0	0	29	0.0	60.0	30.6
BROWN	0	18	0	0	0	1	0	19	0.0	55.1	27.9
BUTLER	0	81	0	1	1	13	1	95	0.4	40.0	20.3
CHASE	0	2	0	0	0	0	0	2	0.0	28.2	13.4
CHAUTAUQUA	0	10	0	0	0	0	0	10	0.0	80.0	42.9
CHEROKEE	0	37	0	0	0	4	0	41	0.0	60.6	28.5
CHEYENNE	0	1	0	0	0	0	0	1	0.0	13.7	6.6
CLARK	0	0	0	0	0	0	0	0	0.0	0.0	0.0
CLAY	0	18	0	1	0	0	0	19	0.0	67.1	33.8
CLOUD	0	16	0	0	0	1	0	17	0.0	45.2	26.6
COFFEY	0	8	0	0	0	2	0	10	0.0	37.9	17.7
COMANCHE	0	1	0	0	0	0	0	1	0.0	20.8	8.8
COWLEY	0	71	0	0	0	5	0	76	0.0	54.0	30.2
CRAWFORD	1	74	0	0	0	11	1	85	0.9	54.5	32.2
DECATUR	0	1	0	0	0	0	0	1	0.0	13.2	6.8
DICKINSON	0	27	0	1	0	5	0	33	0.0	52.5	26.0
DONIPHAN	0	8	0	0	0	1	0	9	0.0	27.4	15.3
DOUGLAS	0	72	0	0	0	38	0	110	0.0	18.6	12.8
EDWARDS	0	2	0	0	0	1	0	3	0.0	29.4	15.3
ELK	1	1	0	0	0	1	1	2	12.8	22.2	17.9
ELLIS	0	26	0	1	1	7	1	34	1.6	28.9	19.3
ELLSWORTH	0	5	0	0	0	1	0	6	0.0	34.5	17.8
FINNEY	3	123	0	2	0	11	3	136	1.8	85.4	42.1
FORD	2	112	0	0	0	7	2	119	1.6	100.8	49.8
FRANKLIN	0	42	0	0	0	5	0	47	0.0	49.9	26.7
GEARY	0	85	0	0	0	16	0	101	0.0	108.4	57.8
GOVE	0	1	0	0	0	1	0	2	0.0	22.7	10.9
GRAHAM	0	2	0	0	0	0	0	2	0.0	28.6	14.5
GRANT	1	28	0	0	0	1	1	29	3.6	99.0	52.3
GRAY	0	8	0	0	0	0	0	8	0.0	37.9	17.7
GREELEY	0	4	0	0	0	0	0	4	0.0	105.3	48.2
GREENWOOD	0	4	0	0	0	0	0	4	0.0	21.4	9.9
HAMILTON	0	7	0	0	0	2	0	9	0.0	93.8	52.0
HARPER	0	12	0	0	0	0	0	12	0.0	65.6	31.7
HARVEY	1	52	0	0	0	3	1	55	0.9	42.6	22.7
HASKELL	0	10	0	0	0	0	0	10	0.0	62.1	30.8
HODGEMAN	0	2	0	0	0	0	0	2	0.0	27.8	13.6
JACKSON	0	21	0	0	0	2	0	23	0.0	48.7	23.5
JEFFERSON	0	14	0	0	0	7	0	21	0.0	34.7	17.6
JEWELL	0	1	0	0	0	0	0	1	0.0	11.9	6.1
JOHNSON	2	301	0	0	3	143	5	444	0.3	27.0	12.9
KEARNY	0	8	0	0	0	1	0	9	0.0	51.7	27.2
KINGMAN	0	12	0	0	0	0	0	12	0.0	43.6	22.3
KIOWA	0	3	0	0	0	0	0	3	0.0	35.3	19.4
LABETTE	0	52	0	0	0	5	0	57	0.0	77.1	38.7
LANE	0	0	0	0	0	1	0	1	0.0	17.9	9.0
LEAVENWORTH	0	82	0	1	2	17	2	100	0.8	40.7	20.0
LINCOLN	0	2	0	0	0	1	0	3	0.0	33.7	15.1
LINN	0	12	0	0	0	0	0	12	0.0	41.0	19.9
LOGAN	0	4	0	0	0	0	0	4	0.0	40.8	22.9

**Table 2. Teenage Pregnancies* for 10-19 Year Olds by Component
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County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies		Teenage** Pregnancy Rate		Teenage** Preg. 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	10-19
LYON	1	38	0	0	0	9	1	47	1.1	32.0	20.0
MARION	0	7	0	0	0	0	0	7	0.0	16.1	8.5
MARSHALL	0	8	0	0	0	0	0	8	0.0	23.8	12.7
MCPHERSON	0	26	0	0	0	3	0	29	0.0	27.1	14.6
MEADE	0	10	0	0	0	0	0	10	0.0	69.9	29.1
MIAMI	1	46	0	0	0	11	1	57	0.9	53.4	25.9
MITCHELL	0	3	0	0	0	0	0	3	0.0	11.2	6.6
MONTGOMERY	1	63	0	0	0	2	1	65	1.0	60.0	31.7
MORRIS	0	7	0	0	0	0	0	7	0.0	36.6	17.9
MORTON	1	11	0	0	0	1	1	12	7.9	100.8	52.8
NEMAHA	0	4	0	0	0	0	0	4	0.0	12.1	5.7
NEOSHO	0	27	0	0	0	0	0	27	0.0	48.4	25.4
NESS	0	2	0	0	0	0	0	2	0.0	25.3	11.9
NORTON	0	4	0	0	0	0	0	4	0.0	27.6	13.6
OSAGE	0	24	0	0	0	2	0	26	0.0	41.7	21.0
OSBORNE	0	3	0	0	0	1	0	4	0.0	35.7	17.9
OTTAWA	0	5	0	0	0	0	0	5	0.0	27.5	12.3
PAWNEE	0	9	0	0	0	0	0	9	0.0	45.9	23.7
PHILLIPS	0	2	0	0	0	0	0	2	0.0	12.5	6.4
POTTAWATOMIE	1	24	0	0	0	1	1	25	1.4	34.2	17.7
PRATT	0	17	0	0	0	3	0	20	0.0	57.6	32.2
RAWLINS	0	3	0	0	0	0	0	3	0.0	37.0	20.7
RENO	0	106	0	0	0	15	0	121	0.0	65.1	31.9
REPUBLIC	0	3	0	1	0	0	0	4	0.0	29.4	15.3
RICE	0	13	0	0	0	2	0	15	0.0	28.6	18.1
RILEY	0	74	0	1	0	27	0	102	0.0	27.4	20.0
ROOKS	0	6	0	0	0	0	0	6	0.0	42.3	20.1
RUSH	0	2	0	0	0	0	0	2	0.0	23.8	12.3
RUSSELL	0	10	0	0	0	5	0	15	0.0	82.0	40.7
SALINE	1	104	0	0	0	9	1	113	0.6	69.2	33.1
SCOTT	0	8	0	0	0	0	0	8	0.0	51.3	25.5
SEDGWICK	13	986	0	2	6	149	19	1,137	1.1	71.2	35.3
SEWARD	0	89	0	0	0	0	0	89	0.0	113.4	53.0
SHAWNEE	1	288	0	1	2	58	3	347	0.5	66.8	32.8
SHERIDAN	0	3	0	0	0	0	0	3	0.0	41.7	21.7
SHERMAN	0	6	0	0	0	0	0	6	0.0	33.7	17.9
SMITH	0	3	0	0	0	0	0	3	0.0	26.5	14.2
STAFFORD	0	5	0	0	0	0	0	5	0.0	34.0	17.9
STANTON	0	6	0	0	0	0	0	6	0.0	70.6	38.7
STEVENS	0	9	0	0	1	2	1	11	5.4	55.0	31.2
SUMNER	0	33	0	0	0	2	0	35	0.0	40.9	20.1
THOMAS	0	15	0	0	0	1	0	16	0.0	39.5	24.7
TREGO	0	4	0	0	0	0	0	4	0.0	46.0	24.2
WABAUNSEE	0	9	0	0	0	1	0	10	0.0	47.4	23.5
WALLACE	0	0	0	0	0	0	0	0	0.0	0.0	0.0
WASHINGTON	0	5	0	0	0	0	0	5	0.0	30.9	15.0
WICHITA	0	5	0	0	0	0	0	5	0.0	63.3	34.2
WILSON	0	21	0	1	0	0	0	22	0.0	69.0	35.7
WOODSON	0	5	0	0	0	0	0	5	0.0	66.7	31.1
WYANDOTTE	5	433	0	0	4	95	9	528	1.7	105.5	52.9
UNKNOWN	0	0	0	0	0	1	0	1	n/a	n/a	n/a
KANSAS	36	4,229	0	15	20	736	56	4,980	0.6	51.6	26.8
Peer Group											
Frontier	2	105	0	0	0	10	2	115	0.7	41.9	21.6
Rural	1	376	0	3	1	22	2	401	0.2	39.8	22.3
Densely-Settled Rural	6	821	0	6	1	82	7	909	0.5	58.5	30.4
Semi-Urban	6	847	0	3	3	138	9	988	0.5	48.5	26.6
Urban	21	2,080	0	3	15	483	36	2,566	0.7	52.9	26.8

n/a = Not applicable

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

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

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

Table 3. Teenage Pregnancy* Rates (10-14, 15-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	Year										5-year Rate	
	2005		2006		2007		2008		2009			
	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	55.4	0.0	83.0	0.0	58.7	0.0	61.9	0.0	74.3	0.0	66.3
ANDERSON	0.0	31.0	0.0	52.2	0.0	65.7	0.0	50.2	0.0	50.2	0.0	49.6
ATCHISON	1.7	40.7	0.0	59.2	0.0	50.4	0.0	42.6	0.0	51.8	0.3	49.0
BARBER	0.0	30.5	0.0	37.0	0.0	37.7	0.0	67.6	0.0	71.0	0.0	47.2
BARTON	0.0	45.8	0.0	51.6	2.3	60.6	1.2	65.8	0.0	56.8	0.7	56.0
BOURBON	0.0	45.4	0.0	74.7	0.0	95.4	0.0	69.5	0.0	60.0	0.0	69.3
BROWN	0.0	54.3	3.1	64.4	0.0	59.2	0.0	83.9	0.0	55.1	0.6	63.1
BUTLER	0.4	41.0	0.0	38.9	0.0	40.7	0.0	47.0	0.4	40.0	0.2	41.5
CHASE	0.0	42.1	0.0	54.3	0.0	48.8	0.0	69.4	0.0	28.2	0.0	48.5
CHAUTAUQUA	0.0	13.1	0.0	43.5	0.0	28.2	0.0	71.9	0.0	80.0	0.0	45.9
CHEROKEE	0.0	77.6	0.0	59.4	0.0	49.7	1.4	65.7	0.0	60.6	0.3	62.6
CHEYENNE	0.0	28.3	0.0	51.0	0.0	32.6	0.0	0.0	0.0	13.7	0.0	26.5
CLARK	12.8	65.8	0.0	0.0	0.0	43.5	0.0	31.3	0.0	0.0	2.8	28.5
CLAY	3.7	56.5	0.0	51.3	0.0	36.9	4.2	38.0	0.0	67.1	1.5	50.3
CLOUD	0.0	25.9	3.5	38.9	0.0	48.7	0.0	56.4	0.0	45.2	0.7	42.9
COFFEY	0.0	38.2	0.0	47.1	0.0	36.7	0.0	44.2	0.0	37.9	0.0	40.7
COMANCHE	0.0	18.5	0.0	0.0	0.0	40.0	0.0	19.2	0.0	20.8	0.0	20.2
COWLEY	0.0	44.5	0.8	55.8	0.9	52.4	0.9	61.8	0.0	54.0	0.5	53.7
CRAWFORD	1.0	56.0	0.9	48.5	1.8	56.5	0.9	53.7	0.9	54.5	1.1	53.8
DECATUR	0.0	19.6	0.0	10.5	0.0	20.8	0.0	0.0	0.0	13.2	0.0	13.0
DICKINSON	0.0	35.9	0.0	54.1	1.7	50.2	0.0	40.7	0.0	52.5	0.3	46.6
DONIPHAN	0.0	17.4	0.0	22.9	0.0	31.6	0.0	35.7	0.0	27.4	0.0	26.9
DOUGLAS	0.0	27.2	0.3	20.9	0.3	26.0	0.3	21.5	0.0	18.6	0.2	22.7
EDWARDS	0.0	37.0	0.0	65.2	10.8	117.6	0.0	72.2	0.0	29.4	2.1	62.0
ELK	0.0	50.0	0.0	38.8	0.0	73.7	0.0	94.1	12.8	22.2	2.5	54.8
ELLIS	3.2	22.8	1.5	32.9	0.0	35.8	0.0	40.6	1.6	28.9	1.2	32.1
ELLSWORTH	0.0	36.3	0.0	60.1	0.0	29.4	0.0	19.2	0.0	34.5	0.0	36.5
FINNEY	0.0	79.1	2.7	80.9	1.8	66.1	1.1	85.8	1.8	85.4	1.5	79.5
FORD	1.5	69.8	0.8	82.9	3.2	73.5	1.6	86.9	1.6	100.8	1.7	82.7
FRANKLIN	3.4	61.1	1.1	56.3	1.2	49.0	0.0	62.5	0.0	49.9	1.2	55.8
GEARY	1.2	91.9	0.0	114.7	3.4	103.3	0.0	109.4	0.0	108.4	0.9	105.8
GOVE	0.0	34.1	0.0	0.0	0.0	11.4	0.0	0.0	0.0	22.7	0.0	14.2
GRAHAM	0.0	58.8	0.0	38.5	0.0	12.0	0.0	28.2	0.0	28.6	0.0	33.6
GRANT	0.0	64.8	0.0	60.6	0.0	85.3	0.0	69.6	3.6	99.0	0.7	75.9
GRAY	0.0	68.0	0.0	44.0	0.0	55.6	0.0	62.1	0.0	37.9	0.0	53.3
GREELEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	105.3	0.0	30.9
GREENWOOD	0.0	78.0	0.0	38.1	0.0	71.8	0.0	50.0	0.0	21.4	0.0	52.7
HAMILTON	0.0	59.4	0.0	97.1	0.0	85.7	0.0	119.6	0.0	93.8	0.0	90.5
HARPER	0.0	42.1	0.0	41.7	0.0	64.7	0.0	75.5	0.0	65.6	0.0	56.6
HARVEY	0.0	38.6	0.0	37.9	0.9	38.6	0.0	41.0	0.9	42.6	0.4	39.8
HASKELL	6.3	43.8	5.5	42.0	0.0	49.3	0.0	56.7	0.0	62.1	2.5	50.9
HODGEMAN	0.0	12.2	0.0	35.7	0.0	38.0	0.0	13.7	0.0	27.8	0.0	25.6
JACKSON	0.0	48.1	0.0	37.5	0.0	31.3	0.0	55.0	0.0	48.7	0.0	44.1
JEFFERSON	0.0	36.6	0.0	51.0	0.0	49.8	1.7	40.1	0.0	34.7	0.3	42.4
JEWELL	0.0	19.8	0.0	10.0	0.0	31.6	0.0	36.1	0.0	11.9	0.0	21.6
JOHNSON	0.4	29.6	0.7	30.0	0.2	33.7	0.4	31.9	0.3	27.0	0.4	30.4
KEARNY	0.0	59.5	0.0	81.4	0.0	58.4	0.0	87.5	0.0	51.7	0.0	67.5
KINGMAN	0.0	22.2	0.0	35.6	0.0	36.5	0.0	36.4	0.0	43.6	0.0	34.5
KIOWA	0.0	27.5	0.0	29.4	0.0	19.2	0.0	36.1	0.0	35.3	0.0	29.0
LABETTE	4.0	62.0	4.1	68.4	0.0	91.4	0.0	71.4	0.0	77.1	1.7	74.1
LANE	0.0	47.6	0.0	0.0	0.0	0.0	0.0	35.7	0.0	17.9	0.0	21.4
LEAVENWORTH	0.4	38.1	1.5	40.8	0.0	45.3	0.4	52.2	0.8	40.7	0.6	43.4
LINCOLN	0.0	21.1	8.8	61.0	0.0	39.5	0.0	51.9	0.0	33.7	1.9	40.6
LINN	0.0	40.4	3.3	59.9	0.0	48.4	0.0	48.7	0.0	41.0	0.7	47.6
LOGAN	0.0	18.2	0.0	18.7	0.0	0.0	0.0	0.0	0.0	40.8	0.0	15.5

Table 3. Teenage Pregnancy* Rates (10-14, 15-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	Year										5-year Rate	
	2005		2006		2007		2008		2009			
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
LYON	0.0	56.3	0.9	50.7	1.8	48.3	0.9	51.4	1.1	32.0	0.9	47.8
MARION	0.0	22.5	0.0	14.4	0.0	25.7	0.0	20.0	0.0	16.1	0.0	19.8
MARSHALL	3.1	29.3	0.0	31.4	0.0	14.7	4.2	34.4	0.0	23.8	1.4	26.7
MCPHERSON	0.0	31.6	1.2	37.1	0.0	25.6	1.2	42.9	0.0	27.1	0.5	32.8
MEADE	0.0	67.5	0.0	27.8	0.0	42.9	0.0	55.6	0.0	69.9	0.0	53.1
MIAMI	0.0	31.5	0.0	42.7	0.0	35.1	1.0	35.8	0.9	53.4	0.4	39.8
MITCHELL	0.0	9.4	0.0	23.9	0.0	24.6	0.0	29.1	0.0	11.2	0.0	19.4
MONTGOMERY	0.0	73.2	0.0	78.1	1.0	76.1	0.0	73.3	1.0	60.0	0.4	72.3
MORRIS	0.0	44.1	0.0	30.2	0.0	43.1	0.0	44.3	0.0	36.6	0.0	39.8
MORTON	8.7	78.7	7.6	90.1	0.0	79.6	0.0	54.1	7.9	100.8	5.0	80.9
NEMAHA	0.0	9.7	0.0	32.0	0.0	17.4	0.0	12.3	0.0	12.1	0.0	16.8
NEOSHO	0.0	55.0	2.0	56.0	0.0	73.9	0.0	66.2	0.0	48.4	0.4	59.8
NESS	0.0	23.5	13.3	40.0	0.0	57.5	0.0	61.0	0.0	25.3	2.6	41.7
NORTON	0.0	68.8	0.0	21.6	0.0	46.2	7.1	23.4	0.0	27.6	1.4	38.5
OSAGE	0.0	36.9	0.0	49.7	0.0	45.2	1.8	51.6	0.0	41.7	0.3	44.9
OSBORNE	0.0	7.0	0.0	39.4	0.0	68.4	0.0	59.8	0.0	35.7	0.0	40.6
OTTAWA	0.0	40.2	0.0	46.2	0.0	31.3	0.0	28.4	0.0	27.5	0.0	35.0
PAWNEE	0.0	29.5	0.0	32.0	0.0	54.8	0.0	45.7	0.0	45.9	0.0	41.2
PHILLIPS	0.0	43.3	0.0	25.9	0.0	17.8	0.0	43.2	0.0	12.5	0.0	29.1
POTTAWATOMIE	0.0	17.4	0.0	29.9	0.0	34.2	1.5	42.3	1.4	34.2	0.6	31.5
PRATT	0.0	42.4	0.0	53.3	0.0	70.3	0.0	75.5	0.0	57.6	0.0	59.4
RAWLINS	0.0	0.0	0.0	23.3	13.2	11.8	0.0	12.0	0.0	37.0	2.7	16.6
RENO	1.6	58.3	1.1	51.0	0.0	58.0	0.0	60.7	0.0	65.1	0.5	58.5
REPUBLIC	0.0	38.5	0.0	67.5	0.0	42.3	0.0	61.1	0.0	29.4	0.0	47.7
RICE	0.0	41.5	0.0	33.2	0.0	21.7	3.7	26.1	0.0	28.6	0.7	30.3
RILEY	0.8	31.3	0.7	30.8	0.7	25.4	0.0	27.7	0.0	27.4	0.4	28.4
ROOKS	0.0	24.4	0.0	35.5	0.0	62.9	0.0	51.9	0.0	42.3	0.0	42.8
RUSH	0.0	18.5	0.0	49.5	0.0	20.4	0.0	44.0	0.0	23.8	0.0	31.1
RUSSELL	0.0	51.0	0.0	35.7	0.0	33.0	0.0	80.5	0.0	82.0	0.0	55.9
SALINE	0.6	72.2	1.7	76.2	1.1	68.6	0.6	86.2	0.6	69.2	0.9	74.4
SCOTT	0.0	76.9	0.0	40.8	0.0	83.9	0.0	29.9	0.0	51.3	0.0	57.1
SEDGWICK	0.8	69.5	0.9	68.2	0.8	68.8	0.9	68.5	1.1	71.2	0.9	69.2
SEWARD	1.1	101.2	3.2	97.5	2.2	102.1	1.1	118.2	0.0	113.4	1.5	106.3
SHAWNEE	0.6	65.2	0.5	64.6	1.6	71.9	1.3	60.9	0.5	66.8	0.9	65.9
SHERIDAN	0.0	20.2	0.0	0.0	0.0	57.5	0.0	41.7	0.0	41.7	0.0	30.7
SHERMAN	0.0	42.7	0.0	44.1	0.0	58.8	0.0	58.8	0.0	33.7	0.0	47.8
SMITH	0.0	13.8	0.0	29.4	0.0	25.2	0.0	55.6	0.0	26.5	0.0	29.0
STAFFORD	0.0	27.0	0.0	49.2	0.0	53.3	0.0	46.4	0.0	34.0	0.0	41.9
STANTON	0.0	88.6	0.0	36.1	0.0	144.6	0.0	156.6	0.0	70.6	0.0	99.3
STEVENS	0.0	85.8	5.1	33.2	0.0	71.8	0.0	70.7	5.4	55.0	2.1	63.5
SUMNER	2.2	47.4	0.0	43.8	0.0	32.8	0.0	56.5	0.0	40.9	0.5	44.3
THOMAS	3.7	23.3	0.0	37.9	0.0	24.0	0.0	44.9	0.0	39.5	0.8	34.2
TREGO	0.0	47.1	0.0	41.1	0.0	39.5	0.0	40.0	0.0	46.0	0.0	42.9
WABAUNSEE	4.5	34.2	0.0	24.3	0.0	34.1	0.0	38.6	0.0	47.4	1.0	35.7
WALLACE	0.0	0.0	0.0	18.9	0.0	0.0	0.0	20.4	0.0	0.0	0.0	7.4
WASHINGTON	0.0	23.5	0.0	5.1	0.0	31.9	0.0	28.2	0.0	30.9	0.0	23.5
WICHITA	0.0	47.6	0.0	112.9	0.0	81.1	0.0	25.6	0.0	63.3	0.0	64.6
WILSON	0.0	49.5	0.0	87.2	0.0	75.7	3.6	59.9	0.0	69.0	0.7	68.3
WOODSON	0.0	82.0	11.8	71.4	0.0	90.9	0.0	68.5	0.0	66.7	2.4	76.8
WYANDOTTE	2.7	101.7	2.8	108.7	2.7	100.2	2.4	106.4	1.7	105.5	2.5	104.5
KANSAS	0.8	50.8	0.9	52.2	0.8	53.2	0.7	55.0	0.6	51.6	0.8	52.5

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

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

2005-2009 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 4. Teenage Pregnancy* Rates (10-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
ALLEN	31.5	44.8	32.1	32.9	38.0	35.8
ANDERSON	16.0	25.9	34.4	25.7	24.4	25.2
ATCHISON	22.7	31.5	27.2	22.9	28.1	26.5
BARBER	17.1	19.7	18.8	35.0	36.5	24.8
BARTON	24.9	28.0	34.3	36.3	30.2	30.6
BOURBON	22.6	36.9	49.8	36.4	30.6	35.3
BROWN	28.2	35.1	30.1	41.3	27.9	32.5
BUTLER	21.7	20.2	21.4	24.6	20.3	21.6
CHASE	22.7	27.9	27.4	36.5	13.4	25.4
CHAUTAUQUA	6.9	22.6	15.2	41.3	42.9	24.8
CHEROKEE	39.2	30.0	26.1	34.2	28.5	31.6
CHEYENNE	15.7	28.2	20.1	0.0	6.6	14.8
CLARK	39.0	0.0	21.6	15.2	0.0	15.6
CLAY	30.6	26.3	19.3	22.0	33.8	26.6
CLOUD	15.5	24.4	29.6	34.3	26.6	25.9
COFFEY	19.4	21.9	17.2	19.6	17.7	19.2
COMANCHE	9.1	0.0	20.2	9.3	8.8	9.4
COWLEY	24.2	30.1	29.5	35.3	30.2	29.8
CRAWFORD	32.5	28.2	33.0	30.7	32.2	31.3
DECATUR	10.3	5.2	11.7	0.0	6.8	7.0
DICKINSON	18.9	28.2	26.5	20.4	26.0	24.0
DONIPHAN	9.8	13.2	18.1	20.0	15.3	15.3
DOUGLAS	18.3	13.8	17.1	14.3	12.8	15.2
EDWARDS	18.8	30.5	61.8	38.7	15.3	32.1
ELK	28.6	21.2	40.9	49.1	17.9	31.1
ELLIS	15.8	21.3	22.2	24.9	19.3	20.7
ELLSWORTH	19.3	31.5	15.1	9.8	17.8	19.0
FINNEY	37.7	39.2	33.7	43.1	42.1	39.2
FORD	34.6	40.7	37.7	43.5	49.8	41.2
FRANKLIN	33.6	29.3	26.3	33.0	26.7	29.8
GEARY	45.3	54.8	51.4	50.0	57.8	51.9
GOVE	15.1	0.0	5.3	0.0	10.9	6.4
GRAHAM	32.1	19.0	6.5	14.6	14.5	17.5
GRANT	31.5	30.4	44.0	35.3	52.3	38.6
GRAY	33.4	19.0	25.3	27.2	17.7	24.4
GREELEY	0.0	0.0	0.0	21.5	48.2	13.3
GREENWOOD	39.4	19.7	37.5	25.4	9.9	26.5
HAMILTON	33.3	52.4	47.1	62.1	52.0	49.3
HARPER	22.6	21.1	30.8	35.9	31.7	28.1
HARVEY	20.8	20.0	20.7	21.5	22.7	21.1
HASKELL	25.0	21.5	23.4	29.0	30.8	25.9
HODGEMAN	6.1	19.7	20.7	7.0	13.6	13.4
JACKSON	24.6	18.5	15.6	26.4	23.5	21.7
JEFFERSON	18.1	24.9	24.9	20.7	17.6	21.3
JEWELL	10.1	4.8	16.1	17.6	6.1	10.8
JOHNSON	14.7	14.7	16.1	15.2	12.9	14.7
KEARNY	29.5	40.8	30.5	46.7	27.2	34.7
KINGMAN	11.8	18.0	18.9	18.4	22.3	17.7
KIOWA	15.2	16.2	11.0	20.8	19.4	16.2
LABETTE	33.6	36.8	48.5	36.9	38.7	38.8
LANE	24.8	0.0	0.0	17.9	9.0	10.5
LEAVENWORTH	18.9	20.7	22.4	26.0	20.0	21.6
LINCOLN	10.1	30.6	16.9	23.3	15.1	19.1
LINN	20.0	30.7	24.9	23.6	19.9	23.8
LOGAN	10.1	10.6	0.0	0.0	22.9	8.8

Table 4. Teenage Pregnancy* Rates (10-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
LYON	32.9	29.5	28.7	30.2	20.0	28.4
MARION	12.0	8.0	14.1	11.0	8.5	10.7
MARSHALL	17.3	16.7	8.3	21.5	12.7	15.3
MCPHERSON	18.0	21.5	14.4	23.8	14.6	18.4
MEADE	32.7	12.0	17.9	24.7	29.1	23.3
MIAMI	15.6	20.5	17.2	17.8	25.9	19.5
MITCHELL	5.7	14.6	15.4	18.5	6.6	11.9
MONTGOMERY	37.8	40.3	40.8	38.6	31.7	37.9
MORRIS	23.0	15.7	23.7	24.3	17.9	20.9
MORTON	45.5	45.3	38.6	27.0	52.8	42.2
NEMAHA	5.1	16.0	8.3	5.8	5.7	8.2
NEOSHO	30.0	31.0	40.0	35.4	25.4	32.3
NESS	11.9	26.7	31.3	32.9	11.9	22.6
NORTON	36.4	10.3	21.8	14.9	13.6	19.6
OSAGE	18.3	24.6	22.7	26.8	21.0	22.6
OSBORNE	3.9	19.5	34.3	31.4	17.9	21.0
OTTAWA	21.0	23.6	16.3	14.1	12.3	17.4
PAWNEE	16.6	17.2	30.1	24.3	23.7	22.3
PHILLIPS	24.1	14.1	9.1	22.9	6.4	15.5
POTTAWATOMIE	9.0	15.2	17.5	22.2	17.7	16.3
PRATT	23.3	27.8	36.7	41.3	32.2	32.1
RAWLINS	0.0	11.9	12.4	6.9	20.7	10.2
RENO	31.1	26.7	29.7	30.7	31.9	30.0
REPUBLIC	22.3	38.6	24.3	34.6	15.3	26.9
RICE	25.9	20.9	14.1	18.3	18.1	19.6
RILEY	22.8	22.3	18.2	19.3	20.0	20.4
ROOKS	12.2	15.3	29.8	23.6	20.1	20.0
RUSH	10.2	26.6	10.9	23.3	12.3	16.6
RUSSELL	25.5	18.1	16.1	40.6	40.7	27.9
SALINE	35.9	37.4	34.0	40.8	33.1	36.2
SCOTT	37.3	19.4	42.9	15.0	25.5	28.2
SEDGWICK	34.0	33.1	33.9	34.1	35.3	34.1
SEWARD	51.4	49.5	51.9	59.3	53.0	53.0
SHAWNEE	32.9	32.3	36.1	30.7	32.8	33.0
SHERIDAN	11.4	0.0	33.6	21.9	21.7	17.0
SHERMAN	23.6	24.7	34.5	32.8	17.9	26.6
SMITH	7.8	15.9	13.2	28.2	14.2	15.5
STAFFORD	14.2	27.0	29.3	25.5	17.9	22.6
STANTON	42.4	17.3	76.9	85.5	38.7	51.2
STEVENS	45.2	19.7	36.8	36.6	31.2	34.0
SUMNER	25.2	22.0	16.9	29.3	20.1	22.7
THOMAS	14.7	21.9	14.0	26.5	24.7	20.4
TREGO	23.1	18.4	18.2	20.0	24.2	20.8
WABAUNSEE	19.7	11.8	16.9	20.2	23.5	18.4
WALLACE	0.0	9.2	0.0	10.6	0.0	3.8
WASHINGTON	13.2	2.7	16.7	14.3	15.0	12.3
WICHITA	19.4	44.9	35.7	12.7	34.2	29.4
WILSON	24.2	43.6	39.0	33.5	35.7	35.1
WOODSON	49.8	43.7	46.5	32.3	31.1	41.3
WYANDOTTE	50.7	54.0	51.4	54.5	52.9	52.7
KANSAS	26.7	27.1	27.8	28.6	26.8	27.4

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

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

2005-2009 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

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

**Table 5. Teenage Pregnancies* for 10-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2009**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
ALLEN	5	1	1	7	10.9
ANDERSON	5	0	0	5	11.3
ATCHISON	5	0	2	7	7.3
BARBER	3	0	0	3	12.4
BARTON	14	0	4	18	12.4
BOURBON	9	0	0	9	11.4
BROWN	4	0	0	4	7.4
BUTLER	21	0	7	28	7.2
CHASE	0	0	0	0	0.0
CHAUTAUQUA	1	0	0	1	5.4
CHEROKEE	11	0	3	14	11.7
CHEYENNE	0	0	0	0	0.0
CLARK	0	0	0	0	0.0
CLAY	3	0	0	3	6.6
CLOUD	4	0	0	4	9.0
COFFEY	1	0	2	3	6.3
COMANCHE	0	0	0	0	0.0
COWLEY	27	0	1	28	14.5
CRAWFORD	14	0	1	15	8.6
DECATUR	0	0	0	0	0.0
DICKINSON	8	0	3	11	10.5
DONIPHAN	3	0	0	3	7.2
DOUGLAS	15	0	5	20	4.6
EDWARDS	0	0	1	1	5.9
ELK	1	0	0	1	7.4
ELLIS	9	0	1	10	9.7
ELLSWORTH	0	0	0	0	0.0
FINNEY	42	1	1	44	16.3
FORD	30	0	1	31	15.8
FRANKLIN	7	0	2	9	6.4
GEARY	17	0	4	21	15.7
GOVE	0	0	1	1	6.5
GRAHAM	0	0	0	0	0.0
GRANT	10	0	0	10	21.6
GRAY	1	0	0	1	2.6
GREELEY	1	0	0	1	13.3
GREENWOOD	1	0	0	1	3.0
HAMILTON	3	0	2	5	37.0
HARPER	2	0	0	2	6.5
HARVEY	15	0	1	16	8.3
HASKELL	4	0	0	4	14.8
HODGEMAN	1	0	0	1	8.8
JACKSON	6	0	1	7	8.5
JEFFERSON	3	0	2	5	5.0
JEWELL	0	0	0	0	0.0
JOHNSON	74	0	61	135	4.6
KEARNY	3	0	0	3	11.5
KINGMAN	4	0	0	4	8.8
KIOWA	1	0	0	1	8.6
LABETTE	13	0	2	15	12.6
LANE	0	0	1	1	10.6
LEAVENWORTH	19	1	8	28	6.7
LINCOLN	2	0	0	2	11.6
LINN	3	0	0	3	6.0
LOGAN	2	0	0	2	15.0

**Table 5. Teenage Pregnancies* for 10-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2009**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
LYON	12	0	3	15	9.5
MARION	1	0	0	1	1.6
MARSHALL	0	0	0	0	0.0
MCPHERSON	10	0	0	10	6.8
MEADE	5	0	0	5	16.8
MIAMI	11	0	7	18	9.7
MITCHELL	0	0	0	0	0.0
MONTGOMERY	14	0	1	15	8.9
MORRIS	3	0	0	3	9.3
MORTON	6	0	1	7	34.7
NEMAHA	1	0	0	1	1.7
NEOSHO	7	0	0	7	8.5
NESS	0	0	0	0	0.0
NORTON	1	0	0	1	4.0
OSAGE	3	0	2	5	4.9
OSBORNE	0	0	0	0	0.0
OTTAWA	0	0	0	0	0.0
PAWNEE	4	0	0	4	12.7
PHILLIPS	1	0	0	1	3.8
POTTAWATOMIE	9	0	0	9	7.5
PRATT	4	0	0	4	8.4
RAWLINS	1	0	0	1	8.7
RENO	29	0	4	33	10.6
REPUBLIC	1	0	0	1	4.8
RICE	8	0	1	9	17.5
RILEY	14	1	8	23	10.3
ROOKS	1	0	0	1	3.9
RUSH	0	0	0	0	0.0
RUSSELL	2	0	2	4	13.4
SALINE	31	0	3	34	12.2
SCOTT	1	0	0	1	3.8
SEDGWICK	317	1	52	370	13.7
SEWARD	29	0	0	29	21.3
SHAWNEE	70	0	19	89	10.2
SHERIDAN	0	0	0	0	0.0
SHERMAN	0	0	0	0	0.0
SMITH	1	0	0	1	6.0
STAFFORD	1	0	0	1	4.7
STANTON	1	0	0	1	7.9
STEVENS	2	0	3	5	16.1
SUMNER	7	0	2	9	6.2
THOMAS	9	0	0	9	21.5
TREGO	1	0	0	1	7.1
WABAUNSEE	2	0	1	3	8.4
WALLACE	0	0	0	0	0.0
WASHINGTON	1	0	0	1	3.6
WICHITA	2	0	0	2	16.5
WILSON	4	0	0	4	8.0
WOODSON	0	0	0	0	0.0
WYANDOTTE	144	0	43	187	22.5
UNKNOWN	0	0	0	0	n/a
KANSAS	1,198	5	270	1,473	10.0
Peer Group					
Frontier	34	0	6	40	9.0
Rural	96	0	10	106	7.3
Densely-Settled Rural	244	2	25	271	11.5
Semi-Urban	204	2	49	255	9.2
Urban	620	1	180	801	10.3

n/a = Not applicable

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

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

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

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

**Table 6. Teenage Pregnancies* (10-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	Teenage Pregnancies 2005-2009
ALLEN	7	7	8	9	7	38
ANDERSON	2	1	8	4	5	20
ATCHISON	9	9	11	8	7	44
BARBER	1	2	1	2	3	9
BARTON	19	23	13	16	18	89
BOURBON	7	15	10	6	9	47
BROWN	4	4	1	8	4	21
BUTLER	33	25	35	39	28	160
CHASE	2	4	1	1	0	8
CHAUTAUQUA	0	3	0	3	1	7
CHEROKEE	13	12	8	13	14	60
CHEYENNE	1	0	2	0	0	3
CLARK	3	0	0	0	0	3
CLAY	7	2	2	2	3	16
CLOUD	3	8	2	3	4	20
COFFEY	3	2	4	2	3	14
COMANCHE	0	0	0	0	0	0
COWLEY	14	23	19	27	28	111
CRAWFORD	19	15	21	27	15	97
DECATUR	2	1	1	0	0	4
DICKINSON	5	10	9	6	11	41
DONIPHAN	2	3	2	3	3	13
DOUGLAS	31	30	26	25	20	132
EDWARDS	1	2	3	1	1	8
ELK	1	0	1	3	1	6
ELLIS	10	10	12	14	10	56
ELLSWORTH	3	1	1	2	0	7
FINNEY	38	55	49	64	44	250
FORD	26	36	40	37	31	170
FRANKLIN	24	21	14	16	9	84
GEARY	18	20	23	21	21	103
GOVE	0	0	0	0	1	1
GRAHAM	3	1	0	0	0	4
GRANT	7	5	11	8	10	41
GRAY	3	5	1	6	1	16
GREELEY	0	0	0	0	1	1
GREENWOOD	6	3	6	5	1	21
HAMILTON	1	5	3	4	5	18
HARPER	4	2	3	6	2	17
HARVEY	16	16	15	13	16	76
HASKELL	7	3	1	0	4	15
HODGEMAN	0	2	1	1	1	5
JACKSON	6	2	4	7	7	26
JEFFERSON	8	10	13	7	5	43
JEWELL	1	1	1	0	0	3
JOHNSON	130	143	170	167	135	745
KEARNY	5	4	5	5	3	22
KINGMAN	1	3	2	3	4	13
KIOWA	2	1	0	2	1	6
LABETTE	14	25	18	13	15	85
LANE	1	0	0	1	1	3
LEAVENWORTH	33	42	31	32	28	166
LINCOLN	0	1	2	2	2	7
LINN	3	6	5	2	3	19
LOGAN	0	1	0	0	2	3

**Table 6. Teenage Pregnancies* (10-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	Teenage Pregnancies 2005-2009
LYON	25	20	20	26	15	106
MARION	3	2	1	5	1	12
MARSHALL	3	2	2	7	0	14
MCPHERSON	7	12	8	11	10	48
MEADE	2	1	3	2	5	13
MIAMI	9	8	14	11	18	60
MITCHELL	0	2	0	2	0	4
MONTGOMERY	19	31	28	20	15	113
MORRIS	3	1	3	1	3	11
MORTON	4	4	5	3	7	23
NEMAHA	2	2	2	0	1	7
NEOSHO	11	9	11	8	7	46
NESS	0	2	2	2	0	6
NORTON	4	1	0	2	1	8
OSAGE	14	6	10	9	5	44
OSBORNE	1	3	3	1	0	8
OTTAWA	2	1	0	1	0	4
PAWNEE	1	2	1	2	4	10
PHILLIPS	1	2	0	3	1	7
POTTAWATOMIE	7	7	6	8	9	37
PRATT	6	6	9	7	4	32
RAWLINS	0	0	1	0	1	2
RENO	29	27	27	26	33	142
REPUBLIC	2	0	3	1	1	7
RICE	10	6	3	4	9	32
RILEY	19	18	14	19	23	93
ROOKS	0	1	2	3	1	7
RUSH	0	0	0	0	0	0
RUSSELL	2	3	3	6	4	18
SALINE	42	41	36	45	34	198
SCOTT	3	3	5	1	1	13
SEDGWICK	376	349	376	330	370	1,801
SEWARD	37	36	36	34	29	172
SHAWNEE	111	114	140	112	89	566
SHERIDAN	0	0	1	2	0	3
SHERMAN	4	3	1	5	0	13
SMITH	1	0	1	2	1	5
STAFFORD	3	2	4	2	1	12
STANTON	1	1	6	3	1	12
STEVENS	9	2	6	2	5	24
SUMNER	14	20	5	10	9	58
THOMAS	1	4	3	3	9	20
TREGO	2	0	1	0	1	4
WABAUNSEE	3	1	3	0	3	10
WALLACE	0	0	0	0	0	0
WASHINGTON	1	1	2	1	1	6
WICHITA	2	3	0	2	2	9
WILSON	5	10	7	8	4	34
WOODSON	3	2	3	2	0	10
WYANDOTTE	189	196	206	217	187	995
UNKNOWN	0	0	1	1	0	2
KANSAS	1,552	1,592	1,643	1,618	1,473	7,878

*Teenage 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 7. Teenage Pregnancy* Rates (10-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
ALLEN	10.0	10.6	12.6	14.4	10.9	11.6
ANDERSON	4.3	2.2	18.3	9.6	11.3	9.0
ATCHISON	9.4	9.3	11.4	8.6	7.3	9.2
BARBER	3.5	6.8	3.8	8.5	12.4	6.8
BARTON	12.2	15.0	8.8	11.1	12.4	11.9
BOURBON	8.5	18.2	12.5	7.6	11.4	11.7
BROWN	7.4	7.0	1.8	15.0	7.4	7.7
BUTLER	8.8	6.6	9.5	10.8	7.2	8.6
CHASE	13.5	26.5	8.8	9.3	0.0	12.4
CHAUTAUQUA	0.0	13.7	0.0	15.7	5.4	6.6
CHEROKEE	10.8	9.7	6.7	10.8	11.7	9.9
CHEYENNE	6.7	0.0	16.5	0.0	0.0	4.6
CLARK	23.6	0.0	0.0	0.0	0.0	5.1
CLAY	15.1	4.4	4.6	4.8	6.6	7.2
CLOUD	6.2	16.8	4.5	6.8	9.0	8.7
COFFEY	6.6	4.2	8.9	4.6	6.3	6.1
COMANCHE	0.0	0.0	0.0	0.0	0.0	0.0
COWLEY	6.9	11.3	9.8	14.3	14.5	11.3
CRAWFORD	11.4	8.7	12.0	15.4	8.6	11.2
DECATUR	12.3	6.0	6.9	0.0	0.0	5.5
DICKINSON	4.7	9.5	9.0	6.2	10.5	8.0
DONIPHAN	4.5	7.0	4.5	7.0	7.2	6.0
DOUGLAS	7.7	6.3	5.5	5.4	4.6	5.9
EDWARDS	6.1	12.3	20.0	6.8	5.9	10.1
ELK	6.0	0.0	7.0	22.6	7.4	8.2
ELLIS	9.2	8.9	11.0	13.1	9.7	10.4
ELLSWORTH	9.9	3.4	3.6	7.9	0.0	5.0
FINNEY	14.0	19.2	17.8	21.4	16.3	17.8
FORD	12.7	17.1	19.5	18.1	15.8	16.6
FRANKLIN	16.3	14.2	9.8	11.5	6.4	11.7
GEARY	13.6	14.4	16.9	11.8	15.7	14.3
GOVE	0.0	0.0	0.0	0.0	6.5	1.3
GRAHAM	22.9	7.5	0.0	0.0	0.0	6.5
GRANT	14.3	10.1	23.3	17.4	21.6	17.2
GRAY	8.8	13.9	2.9	17.0	2.6	9.0
GREELEY	0.0	0.0	0.0	0.0	13.3	2.5
GREENWOOD	16.8	8.8	18.3	15.2	3.0	12.4
HAMILTON	6.7	29.2	18.9	29.2	37.0	24.0
HARPER	12.3	6.2	9.9	21.3	6.5	11.0
HARVEY	8.6	8.7	8.3	7.3	8.3	8.2
HASKELL	26.7	11.0	4.0	0.0	14.8	11.7
HODGEMAN	0.0	16.0	8.2	8.3	8.8	8.1
JACKSON	7.6	2.5	5.2	9.4	8.5	6.7
JEFFERSON	7.5	9.5	12.9	7.1	5.0	8.4
JEWELL	6.0	5.7	6.5	0.0	0.0	3.9
JOHNSON	4.7	4.9	5.8	5.7	4.6	5.2
KEARNY	17.1	13.9	20.5	19.8	11.5	16.4
KINGMAN	2.0	6.3	4.6	7.4	8.8	5.7
KIOWA	13.2	7.1	0.0	17.7	8.6	9.2
LABETTE	11.2	20.2	15.3	11.3	12.6	14.2
LANE	9.9	0.0	0.0	11.0	10.6	6.2
LEAVENWORTH	7.8	9.7	7.3	7.7	6.7	7.8
LINCOLN	0.0	5.9	13.3	13.0	11.6	8.6
LINN	6.1	11.9	10.3	4.2	6.0	7.7
LOGAN	0.0	6.8	0.0	0.0	15.0	4.3

Table 7. Teenage Pregnancy* Rates (10-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
LYON	14.3	11.0	11.2	15.0	9.5	12.2
MARION	4.2	2.9	1.5	7.9	1.6	3.6
MARSHALL	5.3	3.6	4.2	15.9	0.0	5.5
MCPHERSON	4.8	8.0	5.6	7.9	6.8	6.6
MEADE	7.5	3.6	10.5	7.2	16.8	9.3
MIAMI	5.1	4.5	7.9	6.4	9.7	6.8
MITCHELL	0.0	5.3	0.0	5.9	0.0	2.2
MONTGOMERY	10.7	17.3	16.3	11.8	8.9	13.0
MORRIS	9.4	3.1	9.6	3.4	9.3	7.0
MORTON	20.8	20.3	26.5	16.1	34.7	23.8
NEMAHA	3.1	3.2	3.4	0.0	1.7	2.3
NEOSHO	12.4	10.6	13.2	9.8	8.5	10.9
NESS	0.0	15.6	15.4	16.3	0.0	9.2
NORTON	15.9	3.9	0.0	8.8	4.0	6.6
OSAGE	14.0	5.9	10.2	9.5	4.9	8.9
OSBORNE	4.8	13.7	15.3	5.5	0.0	8.1
OTTAWA	6.6	3.1	0.0	3.4	0.0	2.5
PAWNEE	3.0	6.3	3.3	6.7	12.7	6.4
PHILLIPS	3.3	7.0	0.0	12.7	3.8	5.2
POTTAWATOMIE	5.8	5.8	5.1	7.0	7.5	6.2
PRATT	12.3	12.6	19.4	15.8	8.4	13.6
RAWLINS	0.0	0.0	7.1	0.0	8.7	3.0
RENO	9.3	8.7	8.8	8.5	10.6	9.2
REPUBLIC	7.8	0.0	15.6	5.4	4.8	6.5
RICE	18.3	11.5	6.1	8.4	17.5	12.5
RILEY	9.8	8.2	5.7	7.6	10.3	8.2
ROOKS	0.0	3.6	7.6	11.6	3.9	5.3
RUSH	0.0	0.0	0.0	0.0	0.0	0.0
RUSSELL	6.2	9.2	9.7	20.9	13.4	11.7
SALINE	14.6	14.0	12.6	16.1	12.2	13.9
SCOTT	11.2	11.5	21.3	4.4	3.8	10.4
SEDGWICK	14.0	12.5	13.5	11.9	13.7	13.1
SEWARD	26.9	24.5	25.0	24.1	21.3	24.4
SHAWNEE	12.6	12.6	15.6	12.6	10.2	12.7
SHERIDAN	0.0	0.0	8.5	18.0	0.0	4.9
SHERMAN	13.3	10.3	3.9	19.5	0.0	9.6
SMITH	4.9	0.0	5.3	11.6	6.0	5.3
STAFFORD	10.3	7.4	15.9	8.8	4.7	9.6
STANTON	7.2	6.3	44.1	23.8	7.9	17.5
STEVENS	25.6	6.1	19.8	6.8	16.1	15.1
SUMNER	9.2	13.0	3.5	7.1	6.2	7.9
THOMAS	2.4	9.3	7.0	7.1	21.5	9.4
TREGO	13.7	0.0	6.8	0.0	7.1	5.7
WABAUNSEE	8.3	2.9	8.5	0.0	8.4	5.7
WALLACE	0.0	0.0	0.0	0.0	0.0	0.0
WASHINGTON	3.3	3.3	7.1	3.6	3.6	4.2
WICHITA	14.8	21.1	0.0	14.2	16.5	13.1
WILSON	9.0	18.6	13.5	15.9	8.0	13.0
WOODSON	18.6	13.3	21.1	16.1	0.0	14.1
WYANDOTTE	21.0	21.1	22.7	24.6	22.5	22.4
KANSAS	10.4	10.4	10.9	10.9	10.0	10.5

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

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

2005-2009 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

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

**Table 8. Teenage Pregnancies* for 15-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2009**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
ALLEN	5	1	1	7	27.2
ANDERSON	5	0	0	5	29.2
ATCHISON	5	0	2	7	18.7
BARBER	3	0	0	3	31.6
BARTON	14	0	4	18	32.1
BOURBON	9	0	0	9	27.5
BROWN	4	0	0	4	19.2
BUTLER	21	0	6	27	17.7
CHASE	0	0	0	0	0.0
CHAUTAUQUA	1	0	0	1	13.0
CHEROKEE	11	0	3	14	32.3
CHEYENNE	0	0	0	0	0.0
CLARK	0	0	0	0	0.0
CLAY	3	0	0	3	16.8
CLOUD	4	0	0	4	21.9
COFFEY	1	0	2	3	16.8
COMANCHE	0	0	0	0	0.0
COWLEY	27	0	1	28	34.3
CRAWFORD	13	0	1	14	22.2
DECATUR	0	0	0	0	0.0
DICKINSON	8	0	3	11	27.4
DONIPHAN	3	0	0	3	19.4
DOUGLAS	15	0	5	20	11.9
EDWARDS	0	0	1	1	13.2
ELK	0	0	0	0	0.0
ELLIS	9	0	0	9	22.6
ELLSWORTH	0	0	0	0	0.0
FINNEY	39	1	1	41	41.6
FORD	28	0	1	29	40.4
FRANKLIN	7	0	2	9	15.5
GEARY	17	0	4	21	39.9
GOVE	0	0	1	1	17.5
GRAHAM	0	0	0	0	0.0
GRANT	9	0	0	9	49.5
GRAY	1	0	0	1	6.7
GREELEY	1	0	0	1	33.3
GREENWOOD	1	0	0	1	8.5
HAMILTON	3	0	2	5	86.2
HARPER	2	0	0	2	17.9
HARVEY	14	0	1	15	19.8
HASKELL	4	0	0	4	37.4
HODGEMAN	1	0	0	1	26.3
JACKSON	6	0	1	7	22.2
JEFFERSON	3	0	2	5	12.3
JEWELL	0	0	0	0	0.0
JOHNSON	72	0	58	130	12.1
KEARNY	3	0	0	3	28.6
KINGMAN	4	0	0	4	21.1
KIOWA	1	0	0	1	21.7
LABETTE	13	0	2	15	33.0
LANE	0	0	1	1	25.6
LEAVENWORTH	19	1	6	26	16.7
LINCOLN	2	0	0	2	31.7
LINN	3	0	0	3	15.6
LOGAN	2	0	0	2	35.7

**Table 8. Teenage Pregnancies* for 15-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2009**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
LYON	11	0	3	14	22.1
MARION	1	0	0	1	4.3
MARSHALL	0	0	0	0	0.0
MCPHERSON	10	0	0	10	17.8
MEADE	5	0	0	5	52.1
MIAMI	10	0	7	17	24.8
MITCHELL	0	0	0	0	0.0
MONTGOMERY	13	0	1	14	20.4
MORRIS	3	0	0	3	24.2
MORTON	5	0	1	6	80.0
NEMAHA	1	0	0	1	4.5
NEOSHO	7	0	0	7	21.9
NESS	0	0	0	0	0.0
NORTON	1	0	0	1	10.2
OSAGE	3	0	2	5	12.5
OSBORNE	0	0	0	0	0.0
OTTAWA	0	0	0	0	0.0
PAWNEE	4	0	0	4	30.3
PHILLIPS	1	0	0	1	9.1
POTTAWATOMIE	8	0	0	8	17.2
PRATT	4	0	0	4	20.1
RAWLINS	1	0	0	1	19.6
RENO	29	0	4	33	27.9
REPUBLIC	1	0	0	1	12.2
RICE	8	0	1	9	42.3
RILEY	14	1	8	23	26.9
ROOKS	1	0	0	1	10.3
RUSH	0	0	0	0	0.0
RUSSELL	2	0	2	4	35.4
SALINE	30	0	3	33	33.5
SCOTT	1	0	0	1	9.6
SEDGWICK	304	1	46	351	34.2
SEWARD	29	0	0	29	61.7
SHAWNEE	69	0	17	86	26.3
SHERIDAN	0	0	0	0	0.0
SHERMAN	0	0	0	0	0.0
SMITH	1	0	0	1	14.3
STAFFORD	1	0	0	1	12.5
STANTON	1	0	0	1	17.9
STEVENS	2	0	2	4	32.0
SUMNER	7	0	2	9	16.0
THOMAS	9	0	0	9	51.1
TREGO	1	0	0	1	15.9
WABAUNSEE	2	0	1	3	20.8
WALLACE	0	0	0	0	0.0
WASHINGTON	1	0	0	1	9.3
WICHITA	2	0	0	2	37.0
WILSON	4	0	0	4	19.4
WOODSON	0	0	0	0	0.0
WYANDOTTE	139	0	39	178	56.2
UNKNOWN	0	0	0	0	n/a
KANSAS	1,162	5	250	1,417	25.2
Peer Group					
Frontier	32	0	6	38	21.6
Rural	95	0	9	104	18.3
Densely-Settled Rural	238	2	24	264	29.1
Semi-Urban	198	2	46	246	23.2
Urban	599	1	165	765	26.2

n/a = Not applicable

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

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

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

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

**Table 9. Teenage Pregnancies* (15-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	Teenage Pregnancies 2005-2009
ALLEN	7	7	8	9	7	38
ANDERSON	2	1	8	4	5	20
ATCHISON	8	9	11	8	7	43
BARBER	1	2	1	2	3	9
BARTON	19	23	11	15	18	86
BOURBON	7	15	10	6	9	47
BROWN	4	3	1	8	4	20
BUTLER	32	25	35	39	27	158
CHASE	2	4	1	1	0	8
CHAUTAUQUA	0	3	0	3	1	7
CHEROKEE	13	12	8	12	14	59
CHEYENNE	1	0	2	0	0	3
CLARK	2	0	0	0	0	2
CLAY	6	2	2	1	3	14
CLOUD	3	7	2	3	4	19
COFFEY	3	2	4	2	3	14
COMANCHE	0	0	0	0	0	0
COWLEY	14	22	18	26	28	108
CRAWFORD	18	14	19	26	14	91
DECATUR	2	1	1	0	0	4
DICKINSON	5	10	8	6	11	40
DONIPHAN	2	3	2	3	3	13
DOUGLAS	31	29	25	24	20	129
EDWARDS	1	2	2	1	1	7
ELK	1	0	1	3	0	5
ELLIS	8	9	12	14	9	52
ELLSWORTH	3	1	1	2	0	7
FINNEY	38	50	46	62	41	237
FORD	24	35	36	35	29	159
FRANKLIN	21	20	13	16	9	79
GEARY	17	20	20	21	21	99
GOVE	0	0	0	0	1	1
GRAHAM	3	1	0	0	0	4
GRANT	7	5	11	8	9	40
GRAY	3	5	1	6	1	16
GREELEY	0	0	0	0	1	1
GREENWOOD	6	3	6	5	1	21
HAMILTON	1	5	3	4	5	18
HARPER	4	2	3	6	2	17
HARVEY	16	16	14	13	15	74
HASKELL	6	2	1	0	4	13
HODGEMAN	0	2	1	1	1	5
JACKSON	6	2	4	7	7	26
JEFFERSON	8	10	13	6	5	42
JEWELL	1	1	1	0	0	3
JOHNSON	123	131	166	160	130	710
KEARNY	5	4	5	5	3	22
KINGMAN	1	3	2	3	4	13
KIOWA	2	1	0	2	1	6
LABETTE	11	22	18	13	15	79
LANE	1	0	0	1	1	3
LEAVENWORTH	32	38	31	31	26	158
LINCOLN	0	0	2	2	2	6
LINN	3	5	5	2	3	18
LOGAN	0	1	0	0	2	3

**Table 9. Teenage Pregnancies* (15-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	Teenage Pregnancies 2005-2009
LYON	25	19	18	25	14	101
MARION	3	2	1	5	1	12
MARSHALL	2	2	2	6	0	12
MCPHERSON	7	11	8	10	10	46
MEADE	2	1	3	2	5	13
MIAMI	9	8	14	10	17	58
MITCHELL	0	2	0	2	0	4
MONTGOMERY	19	31	27	20	14	111
MORRIS	3	1	3	1	3	11
MORTON	3	3	5	3	6	20
NEMAHA	2	2	2	0	1	7
NEOSHO	11	8	11	8	7	45
NESS	0	1	2	2	0	5
NORTON	4	1	0	1	1	7
OSAGE	14	6	10	8	5	43
OSBORNE	1	3	3	1	0	8
OTTAWA	2	1	0	1	0	4
PAWNEE	1	2	1	2	4	10
PHILLIPS	1	2	0	3	1	7
POTTAWATOMIE	7	7	6	7	8	35
PRATT	6	6	9	7	4	32
RAWLINS	0	0	0	0	1	1
RENO	26	25	27	26	33	137
REPUBLIC	2	0	3	1	1	7
RICE	10	6	3	3	9	31
RILEY	18	17	13	19	23	90
ROOKS	0	1	2	3	1	7
RUSH	0	0	0	0	0	0
RUSSELL	2	3	3	6	4	18
SALINE	41	38	34	44	33	190
SCOTT	3	3	5	1	1	13
SEDGWICK	362	334	363	314	351	1,724
SEWARD	36	33	34	33	29	165
SHAWNEE	108	111	131	105	86	541
SHERIDAN	0	0	1	2	0	3
SHERMAN	4	3	1	5	0	13
SMITH	1	0	1	2	1	5
STAFFORD	3	2	4	2	1	12
STANTON	1	1	6	3	1	12
STEVENS	9	1	6	2	4	22
SUMNER	12	20	5	10	9	56
THOMAS	0	4	3	3	9	19
TREGO	2	0	1	0	1	4
WABAUNSEE	2	1	3	0	3	9
WALLACE	0	0	0	0	0	0
WASHINGTON	1	1	2	1	1	6
WICHITA	2	3	0	2	2	9
WILSON	5	10	7	7	4	33
WOODSON	3	1	3	2	0	9
WYANDOTTE	174	180	191	204	178	927
UNKNOWN	0	0	1	1	0	2
KANSAS	1,483	1,507	1,573	1,552	1,417	7,532

*Teenage 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. Teenage Pregnancy* Rates (15-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
ALLEN	23.0	27.1	31.4	37.5	27.2	28.9
ANDERSON	10.1	5.4	42.8	23.8	29.2	22.0
ATCHISON	21.3	23.9	28.5	22.4	18.7	23.0
BARBER	7.6	15.7	9.7	20.8	31.6	16.3
BARTON	30.7	37.3	18.3	26.4	32.1	29.0
BOURBON	22.3	49.2	31.6	18.9	27.5	29.8
BROWN	18.3	12.3	4.5	39.6	19.2	18.3
BUTLER	21.3	16.7	23.4	26.9	17.7	21.1
CHASE	29.9	62.5	20.0	23.3	0.0	29.7
CHAUTAUQUA	0.0	32.6	0.0	34.1	13.0	15.2
CHEROKEE	28.6	25.2	16.4	25.5	32.3	25.4
CHEYENNE	15.6	0.0	31.3	0.0	0.0	10.0
CLARK	40.8	0.0	0.0	0.0	0.0	8.4
CLAY	31.3	10.4	10.8	5.5	16.8	15.1
CLOUD	15.4	36.8	11.1	16.9	21.9	20.5
COFFEY	16.8	11.2	23.4	13.4	16.8	16.3
COMANCHE	0.0	0.0	0.0	0.0	0.0	0.0
COWLEY	17.6	28.4	22.8	33.5	34.3	27.3
CRAWFORD	28.4	21.7	28.9	40.1	22.2	28.3
DECATUR	28.6	14.5	14.5	0.0	0.0	12.6
DICKINSON	11.3	22.6	19.4	15.6	27.4	19.2
DONIPHAN	11.5	17.3	11.0	18.4	19.4	15.4
DOUGLAS	19.8	16.1	14.2	13.9	11.9	15.1
EDWARDS	16.9	34.5	35.1	15.9	13.2	22.4
ELK	13.0	0.0	14.9	54.5	0.0	15.2
ELLIS	16.8	19.4	28.4	35.6	22.6	24.2
ELLSWORTH	22.6	8.1	8.9	19.2	0.0	11.8
FINNEY	38.5	48.2	43.3	52.7	41.6	45.1
FORD	32.0	44.8	46.2	44.4	40.4	41.6
FRANKLIN	35.8	33.6	21.8	27.7	15.5	26.9
GEARY	34.7	40.0	41.6	34.3	39.9	37.9
GOVE	0.0	0.0	0.0	0.0	17.5	3.6
GRAHAM	50.0	18.5	0.0	0.0	0.0	15.2
GRANT	39.5	25.3	55.6	41.2	49.5	42.1
GRAY	23.3	41.7	7.9	47.6	6.7	24.6
GREELEY	0.0	0.0	0.0	0.0	33.3	7.1
GREENWOOD	41.7	20.5	43.8	36.5	8.5	30.8
HAMILTON	14.3	60.2	41.1	76.9	86.2	53.6
HARPER	28.6	14.6	25.9	56.1	17.9	27.8
HARVEY	21.0	21.8	19.6	18.7	19.8	20.2
HASKELL	58.8	22.0	11.0	0.0	37.4	26.8
HODGEMAN	0.0	35.1	17.9	19.6	26.3	19.5
JACKSON	18.1	6.2	12.9	24.0	22.2	16.5
JEFFERSON	18.8	23.9	31.8	15.2	12.3	20.5
JEWELL	14.5	14.7	15.9	0.0	0.0	9.6
JOHNSON	11.4	11.8	15.1	15.0	12.1	13.1
KEARNY	47.6	34.5	48.5	44.2	28.6	40.6
KINGMAN	4.6	14.7	10.9	18.1	21.1	13.5
KIOWA	31.7	17.2	0.0	38.5	21.7	21.9
LABETTE	21.9	44.0	35.7	27.9	33.0	32.5
LANE	23.3	0.0	0.0	28.6	25.6	15.3
LEAVENWORTH	19.5	22.6	18.5	19.1	16.7	19.3
LINCOLN	0.0	0.0	40.8	33.9	31.7	20.7
LINN	16.2	25.0	23.8	10.3	15.6	18.3
LOGAN	0.0	15.4	0.0	0.0	35.7	9.8

Table 10. Teenage Pregnancy* Rates (15-17 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
LYON	37.1	27.7	26.1	37.4	22.1	30.1
MARION	10.3	6.5	3.6	19.2	4.3	8.8
MARSHALL	8.0	8.3	9.1	29.7	0.0	10.6
MCPHERSON	11.5	17.2	13.1	18.7	17.8	15.6
MEADE	21.7	11.4	33.3	20.2	52.1	28.0
MIAMI	13.0	11.5	19.5	15.1	24.8	16.8
MITCHELL	0.0	10.4	0.0	11.0	0.0	4.3
MONTGOMERY	27.9	43.2	38.0	29.2	20.4	31.9
MORRIS	22.9	7.1	21.3	7.6	24.2	16.5
MORTON	39.0	46.2	72.5	40.0	80.0	55.4
NEMAHA	7.3	8.3	9.3	0.0	4.5	6.0
NEOSHO	30.7	23.5	32.4	24.4	21.9	26.7
NESS	0.0	18.9	35.1	37.7	0.0	19.1
NORTON	36.7	9.8	0.0	11.6	10.2	14.4
OSAGE	35.3	14.5	24.4	20.6	12.5	21.4
OSBORNE	10.3	33.3	37.5	13.3	0.0	19.2
OTTAWA	16.5	7.5	0.0	8.6	0.0	6.4
PAWNEE	6.6	15.5	8.0	16.0	30.3	15.1
PHILLIPS	7.4	16.4	0.0	32.6	9.1	12.7
POTTAWATOMIE	13.9	14.2	12.4	15.0	17.2	14.5
PRATT	30.6	32.6	50.3	38.7	20.1	34.1
RAWLINS	0.0	0.0	0.0	0.0	19.6	3.4
RENO	21.1	20.8	22.8	22.5	27.9	23.0
REPUBLIC	16.3	0.0	34.5	11.8	12.2	14.4
RICE	44.2	27.1	13.3	14.4	42.3	28.4
RILEY	23.7	20.2	13.0	20.0	26.9	20.4
ROOKS	0.0	10.6	19.0	30.9	10.3	14.0
RUSH	0.0	0.0	0.0	0.0	0.0	0.0
RUSSELL	15.9	22.1	25.0	51.7	35.4	29.5
SALINE	37.1	33.6	30.7	43.0	33.5	35.5
SCOTT	29.7	30.3	51.0	10.4	9.6	26.1
SEDGWICK	36.1	31.8	34.0	29.5	34.2	33.1
SEWARD	72.7	62.3	64.3	65.0	61.7	65.2
SHAWNEE	31.7	31.8	38.3	31.0	26.3	31.9
SHERIDAN	0.0	0.0	17.9	43.5	0.0	11.2
SHERMAN	30.8	22.9	9.0	46.3	0.0	23.0
SMITH	11.0	0.0	12.5	29.4	14.3	12.4
STAFFORD	24.2	16.7	35.1	19.0	12.5	22.1
STANTON	18.9	14.7	95.2	52.6	17.9	40.4
STEVENS	62.9	7.5	50.8	16.0	32.0	34.2
SUMNER	19.4	32.3	8.5	17.4	16.0	18.9
THOMAS	0.0	25.0	19.0	18.5	51.1	23.5
TREGO	34.5	0.0	17.5	0.0	15.9	14.0
WABAUNSEE	14.3	7.6	21.0	0.0	20.8	12.7
WALLACE	0.0	0.0	0.0	0.0	0.0	0.0
WASHINGTON	7.1	7.6	17.9	9.9	9.3	10.1
WICHITA	46.5	62.5	0.0	32.3	37.0	34.5
WILSON	23.1	45.9	31.7	31.3	19.4	30.4
WOODSON	36.6	15.4	51.7	47.6	0.0	30.7
WYANDOTTE	51.5	51.0	53.2	59.5	56.2	54.2
KANSAS	25.7	25.5	26.8	27.1	25.2	26.0

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

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

2005-2009 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

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

**Table 11. Teenage Pregnancies* for 18-19 Year Olds
By County of Residence and by Peer Group, Kansas, 2009**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
ALLEN	21	0	2	23	156.5
ANDERSON	8	0	0	8	90.9
ATCHISON	26	0	3	29	90.3
BARBER	8	0	0	8	133.3
BARTON	29	0	10	39	88.0
BOURBON	19	1	0	20	128.2
BROWN	14	0	1	15	109.5
BUTLER	60	1	7	68	79.9
CHASE	2	0	0	2	76.9
CHAUTAUQUA	9	0	0	9	187.5
CHEROKEE	26	0	1	27	110.7
CHEYENNE	1	0	0	1	40.0
CLARK	0	0	0	0	0.0
CLAY	15	1	0	16	153.8
CLOUD	12	0	1	13	67.4
COFFEY	7	0	0	7	82.4
COMANCHE	1	0	0	1	100.0
COWLEY	44	0	4	48	81.1
CRAWFORD	61	0	10	71	76.3
DECATUR	1	0	0	1	33.3
DICKINSON	19	1	2	22	97.3
DONIPHAN	5	0	1	6	34.5
DOUGLAS	57	0	33	90	21.3
EDWARDS	2	0	0	2	76.9
ELK	1	0	1	2	62.5
ELLIS	17	1	7	25	32.2
ELLSWORTH	5	0	1	6	109.1
FINNEY	84	1	10	95	156.8
FORD	84	0	6	90	194.4
FRANKLIN	35	0	3	38	105.0
GEARY	68	0	12	80	197.0
GOVE	1	0	0	1	32.3
GRAHAM	2	0	0	2	83.3
GRANT	19	0	1	20	180.2
GRAY	7	0	0	7	114.8
GREELEY	3	0	0	3	375.0
GREENWOOD	3	0	0	3	43.5
HAMILTON	4	0	0	4	105.3
HARPER	10	0	0	10	140.8
HARVEY	38	0	2	40	75.0
HASKELL	6	0	0	6	111.1
HODGEMAN	1	0	0	1	29.4
JACKSON	15	0	1	16	101.9
JEFFERSON	11	0	5	16	80.4
JEWELL	1	0	0	1	37.0
JOHNSON	229	0	85	314	55.3
KEARNY	5	0	1	6	87.0
KINGMAN	8	0	0	8	94.1
KIOWA	2	0	0	2	51.3
LABETTE	39	0	3	42	147.9
LANE	0	0	0	0	0.0
LEAVENWORTH	63	0	11	74	82.3
LINCOLN	0	0	1	1	38.5
LINN	9	0	0	9	89.1
LOGAN	2	0	0	2	47.6

**Table 11. Teenage Pregnancies* for 18-19 Year Olds
By County of Residence and by Peer Group, Kansas, 2009**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
LYON	27	0	6	33	39.6
MARION	6	0	0	6	29.7
MARSHALL	8	0	0	8	70.2
MCPHERSON	16	0	3	19	37.4
MEADE	5	0	0	5	106.4
MIAMI	36	0	4	40	104.7
MITCHELL	3	0	0	3	31.6
MONTGOMERY	50	0	1	51	128.8
MORRIS	4	0	0	4	59.7
MORTON	6	0	0	6	136.4
NEMAHA	3	0	0	3	27.3
NEOSHO	20	0	0	20	83.7
NESS	2	0	0	2	69.0
NORTON	3	0	0	3	63.8
OSAGE	21	0	0	21	94.6
OSBORNE	3	0	1	4	108.1
OTTAWA	5	0	0	5	82.0
PAWNEE	5	0	0	5	78.1
PHILLIPS	1	0	0	1	20.0
POTTAWATOMIE	16	0	1	17	63.7
PRATT	13	0	3	16	108.1
RAWLINS	2	0	0	2	66.7
RENO	77	0	11	88	130.4
REPUBLIC	2	1	0	3	55.6
RICE	5	0	1	6	19.2
RILEY	60	0	19	79	27.5
ROOKS	5	0	0	5	111.1
RUSH	2	0	0	2	54.1
RUSSELL	8	0	3	11	157.1
SALINE	74	0	6	80	123.6
SCOTT	7	0	0	7	134.6
SEDGWICK	682	1	103	786	137.6
SEWARD	60	0	0	60	190.5
SHAWNEE	219	1	41	261	135.6
SHERIDAN	3	0	0	3	103.4
SHERMAN	6	0	0	6	65.2
SMITH	2	0	0	2	46.5
STAFFORD	4	0	0	4	59.7
STANTON	5	0	0	5	172.4
STEVENS	7	0	0	7	93.3
SUMNER	26	0	0	26	88.1
THOMAS	6	0	1	7	30.6
TREGO	3	0	0	3	125.0
WABAUNSEE	7	0	0	7	104.5
WALLACE	0	0	0	0	0.0
WASHINGTON	4	0	0	4	72.7
WICHITA	3	0	0	3	120.0
WILSON	17	1	0	18	159.3
WOODSON	5	0	0	5	172.4
WYANDOTTE	294	0	56	350	190.5
UNKNOWN	0	0	1	1	n/a
KANSAS	3,067	10	486	3,563	88.5
Peer Group					
Frontier	73	0	4	77	78.4
Rural	281	3	13	297	81.7
Densely-Settled Rural	583	4	58	645	99.6
Semi-Urban	649	1	92	742	75.8
Urban	1,481	2	318	1,801	93.0

n/a = Not applicable

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

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

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

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

**Table 12. Teenage Pregnancies* (18-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	Teenage Pregnancies 2005-2009
ALLEN	22	32	19	18	23	114
ANDERSON	7	13	10	9	8	47
ATCHISON	20	31	23	20	29	123
BARBER	5	5	5	8	8	31
BARTON	32	33	54	53	39	211
BOURBON	16	23	40	30	20	129
BROWN	15	20	19	19	15	88
BUTLER	69	70	63	72	68	342
CHASE	2	1	3	4	2	12
CHAUTAUQUA	2	3	4	7	9	25
CHEROKEE	46	34	31	38	27	176
CHEYENNE	2	5	1	0	1	9
CLARK	3	0	3	2	0	8
CLAY	10	12	8	9	16	55
CLOUD	8	9	18	20	13	68
COFFEY	8	10	5	8	7	38
COMANCHE	1	0	2	1	1	5
COWLEY	51	58	58	63	48	278
CRAWFORD	60	56	63	51	71	301
DECATUR	0	0	1	0	1	2
DICKINSON	20	26	23	18	22	109
DONIPHAN	4	5	9	9	6	33
DOUGLAS	107	88	119	95	90	499
EDWARDS	3	4	8	6	2	23
ELK	5	4	6	5	2	22
ELLIS	17	28	27	29	25	126
ELLSWORTH	4	10	4	1	6	25
FINNEY	86	79	64	91	95	415
FORD	61	69	54	70	90	344
FRANKLIN	38	32	32	41	38	181
GEARY	56	73	64	86	80	359
GOVE	3	0	1	0	1	5
GRAHAM	2	2	1	2	2	9
GRANT	12	13	14	11	20	70
GRAY	11	3	9	5	7	35
GREELEY	0	0	0	2	3	5
GREENWOOD	11	5	9	5	3	33
HAMILTON	5	5	6	7	4	27
HARPER	5	6	8	6	10	35
HARVEY	34	31	33	36	40	174
HASKELL	1	4	6	8	6	25
HODGEMAN	1	1	2	0	1	5
JACKSON	17	15	10	16	16	74
JEFFERSON	15	21	17	17	16	86
JEWELL	1	0	2	3	1	7
JOHNSON	367	367	390	363	314	1,801
KEARNY	6	10	4	9	6	35
KINGMAN	6	7	8	6	8	35
KIOWA	1	2	2	1	2	8
LABETTE	37	30	52	39	42	200
LANE	2	0	0	1	0	3
LEAVENWORTH	63	65	84	99	74	385
LINCOLN	2	5	1	2	1	11
LINN	9	12	9	11	9	50
LOGAN	2	1	0	0	2	5

**Table 12. Teenage Pregnancies* (18-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	Teenage Pregnancies 2005-2009
LYON	60	58	55	51	33	257
MARION	8	5	11	4	6	34
MARSHALL	9	9	3	5	8	34
MCPHERSON	29	30	19	33	19	130
MEADE	9	3	3	6	5	26
MIAMI	24	35	22	25	40	146
MITCHELL	3	5	7	6	3	24
MONTGOMERY	66	59	60	62	51	298
MORRIS	6	5	6	8	4	29
MORTON	7	7	4	3	6	27
NEMAHA	2	10	4	4	3	23
NEOSHO	24	25	32	29	20	130
NESS	2	2	3	3	2	12
NORTON	7	2	6	2	3	20
OSAGE	8	23	16	21	21	89
OSBORNE	0	2	5	6	4	17
OTTAWA	6	8	6	4	5	29
PAWNEE	6	5	11	7	5	34
PHILLIPS	8	3	3	4	1	19
POTTAWATOMIE	6	15	19	23	17	80
PRATT	9	11	13	17	16	66
RAWLINS	0	2	1	1	2	6
RENO	94	77	88	92	88	439
REPUBLIC	5	11	3	7	3	29
RICE	12	11	8	10	6	47
RILEY	79	89	79	81	79	407
ROOKS	4	4	7	4	5	24
RUSH	2	5	2	4	2	15
RUSSELL	8	4	3	8	11	34
SALINE	83	88	80	92	80	423
SCOTT	9	3	7	3	7	29
SEDGWICK	736	755	756	809	786	3,842
SEWARD	54	55	58	72	60	299
SHAWNEE	247	239	255	221	261	1,223
SHERIDAN	2	0	4	1	3	10
SHERMAN	5	6	11	6	6	34
SMITH	1	4	2	4	2	13
STAFFORD	2	7	5	5	4	23
STANTON	6	2	6	10	5	29
STEVENS	11	6	8	11	7	43
SUMNER	33	21	25	40	26	145
THOMAS	8	10	6	14	7	45
TREGO	2	3	2	3	3	13
WABAUNSEE	6	4	4	8	7	29
WALLACE	0	1	0	1	0	2
WASHINGTON	4	0	4	4	4	16
WICHITA	1	4	6	0	3	14
WILSON	11	18	17	12	18	76
WOODSON	7	6	5	3	5	26
WYANDOTTE	364	405	356	372	350	1,847
UNKNOWN	4	0	1	0	1	6
KANSAS	3,492	3,600	3,625	3,753	3,563	18,033

*Teenage 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. Teenage Pregnancy* Rates (18-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
ALLEN	100.5	150.9	92.7	91.8	156.5	116.4
ANDERSON	76.9	154.8	114.9	98.9	90.9	106.6
ATCHISON	63.9	103.7	79.9	66.7	90.3	80.9
BARBER	75.8	80.6	89.3	153.8	133.3	104.7
BARTON	64.6	70.5	114.2	113.7	88.0	90.0
BOURBON	82.9	112.7	192.3	149.3	128.2	134.1
BROWN	114.5	175.4	165.2	158.3	109.5	142.6
BUTLER	72.0	74.2	69.1	79.2	79.9	74.8
CHASE	71.4	35.7	93.8	137.9	76.9	83.9
CHAUTAUQUA	46.5	65.2	85.1	137.3	187.5	106.4
CHEROKEE	150.3	114.1	104.4	131.0	110.7	122.6
CHEYENNE	47.6	156.3	35.7	0.0	40.0	58.8
CLARK	111.1	0.0	136.4	117.6	0.0	71.4
CLAY	109.9	148.1	94.1	109.8	153.8	124.2
CLOUD	34.9	40.7	77.9	86.6	67.4	61.5
COFFEY	73.4	131.6	67.6	103.9	82.4	90.3
COMANCHE	58.8	0.0	105.3	55.6	100.0	62.5
COWLEY	76.5	88.0	87.9	94.7	81.1	85.7
CRAWFORD	78.8	70.4	79.2	64.9	76.3	74.0
DECATUR	0.0	0.0	37.0	0.0	33.3	14.1
DICKINSON	78.1	116.6	112.2	87.8	97.3	97.8
DONIPHAN	23.4	28.4	53.9	52.0	34.5	38.3
DOUGLAS	30.5	23.2	31.6	25.0	21.3	26.1
EDWARDS	61.2	117.6	285.7	176.5	76.9	134.5
ELK	116.3	125.0	214.3	166.7	62.5	133.3
ELLIS	27.4	42.3	40.4	43.6	32.2	37.1
ELLSWORTH	66.7	169.5	69.0	19.2	109.1	88.0
FINNEY	148.5	141.6	106.3	149.9	156.8	140.6
FORD	130.9	145.9	121.6	166.7	194.4	151.8
FRANKLIN	100.5	97.6	99.1	122.8	105.0	104.9
GEARY	184.2	234.7	192.8	235.6	197.0	209.0
GOVE	88.2	0.0	40.0	0.0	32.3	35.2
GRAHAM	80.0	83.3	40.0	76.9	83.3	72.6
GRANT	103.4	131.3	147.4	139.2	180.2	140.0
GRAY	142.9	48.4	166.7	98.0	114.8	114.8
GREELEY	0.0	0.0	0.0	250.0	375.0	92.6
GREENWOOD	148.6	78.1	125.0	79.4	43.5	96.5
HAMILTON	161.3	250.0	187.5	175.0	105.3	167.7
HARPER	67.6	109.1	148.1	115.4	140.8	114.4
HARVEY	63.7	61.5	65.6	72.1	75.0	67.6
HASKELL	17.2	76.9	117.6	170.2	111.1	95.4
HODGEMAN	35.7	37.0	87.0	0.0	29.4	37.3
JACKSON	116.4	114.5	73.0	127.0	101.9	106.2
JEFFERSON	73.5	110.5	87.6	94.4	80.4	88.9
JEWELL	31.3	0.0	62.5	111.1	37.0	46.7
JOHNSON	62.9	66.6	70.3	64.0	55.3	63.8
KEARNY	75.0	178.6	78.4	191.5	87.0	115.5
KINGMAN	62.5	90.9	87.9	74.1	94.1	81.4
KIOWA	21.7	45.5	40.8	32.3	51.3	38.3
LABETTE	136.5	115.4	198.5	148.9	147.9	149.4
LANE	100.0	0.0	0.0	47.6	0.0	35.3
LEAVENWORTH	73.8	77.2	97.7	114.5	82.3	89.1
LINCOLN	64.5	185.2	37.0	111.1	38.5	85.3
LINN	80.4	142.9	113.9	150.7	89.1	111.4
LOGAN	42.6	23.8	0.0	0.0	47.6	23.6

Table 13. Teenage Pregnancy* Rates (18-19 years of age)
By County of Residence, Kansas, 2005-2009**

County of Residence	2005	2006	2007	2008	2009	5-year Rate
LYON	71.9	69.5	66.8	62.9	39.6	62.1
MARION	40.4	27.8	57.6	20.9	29.7	35.3
MARSHALL	71.4	83.3	24.8	42.4	70.2	57.9
MCPHERSON	54.3	64.5	42.8	70.7	37.4	53.8
MEADE	126.8	53.6	60.0	133.3	106.4	96.7
MIAMI	67.2	111.5	71.4	79.6	104.7	87.2
MITCHELL	25.6	49.5	67.3	64.5	31.6	47.1
MONTGOMERY	137.8	135.3	138.6	143.5	128.8	136.9
MORRIS	82.2	84.7	88.2	111.1	59.7	85.5
MORTON	140.0	152.2	90.9	83.3	136.4	122.7
NEMAHA	14.6	74.1	31.0	35.7	27.3	36.9
NEOSHO	86.3	100.4	132.2	125.5	83.7	104.9
NESS	55.6	90.9	100.0	103.4	69.0	82.2
NORTON	137.3	54.1	157.9	47.6	63.8	93.0
OSAGE	40.0	135.3	96.4	121.4	94.6	95.6
OSBORNE	0.0	54.1	135.1	142.9	108.1	85.4
OTTAWA	76.9	129.0	100.0	66.7	82.0	90.3
PAWNEE	70.6	55.6	117.0	97.2	78.1	84.0
PHILLIPS	109.6	42.3	39.5	57.1	20.0	55.9
POTTAWATOMIE	24.6	62.0	76.9	94.7	63.7	64.4
PRATT	57.0	81.5	97.0	124.1	108.1	92.7
RAWLINS	0.0	100.0	47.6	34.5	66.7	46.2
RENO	113.7	96.4	110.0	117.0	130.4	112.9
REPUBLIC	84.7	207.5	54.5	152.2	55.6	108.6
RICE	39.5	37.8	28.3	34.5	19.2	31.8
RILEY	33.7	34.2	30.2	30.5	27.5	31.1
ROOKS	69.0	85.1	184.2	105.3	111.1	106.2
RUSH	57.1	166.7	64.5	117.6	54.1	89.8
RUSSELL	114.3	66.7	48.4	137.9	157.1	106.3
SALINE	135.6	168.6	144.4	166.1	123.6	146.4
SCOTT	163.6	62.5	155.6	78.9	134.6	121.8
SEDGWICK	127.6	138.3	135.2	140.2	137.6	135.8
SEWARD	137.1	147.5	155.9	189.5	190.5	163.0
SHAWNEE	120.8	124.2	130.8	112.2	135.6	124.6
SHERIDAN	52.6	0.0	129.0	38.5	103.4	64.5
SHERMAN	61.7	82.2	118.3	75.9	65.2	81.3
SMITH	18.5	95.2	51.3	100.0	46.5	59.6
STAFFORD	32.8	111.1	90.9	108.7	59.7	78.8
STANTON	230.8	133.3	300.0	384.6	172.4	250.0
STEVENS	122.2	76.9	103.9	186.4	93.3	113.5
SUMNER	99.4	66.0	76.9	129.4	88.1	91.8
THOMAS	41.9	47.8	27.6	64.5	30.6	42.3
TREGO	74.1	120.0	105.3	187.5	125.0	117.1
WABAUNSEE	63.8	53.3	64.5	135.6	104.5	81.2
WALLACE	0.0	76.9	0.0	71.4	0.0	23.5
WASHINGTON	55.6	0.0	52.6	52.6	72.7	46.2
WICHITA	50.0	285.7	300.0	0.0	120.0	147.4
WILSON	102.8	174.8	177.1	129.0	159.3	148.4
WOODSON	175.0	181.8	166.7	96.8	172.4	159.5
WYANDOTTE	190.5	218.3	190.4	187.6	190.5	195.3
KANSAS	87.1	93.1	93.1	95.7	88.5	91.5

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

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

2005-2009 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Bureau of Epidemiology and Public Health Informatics:

Kansas Department of Health and Environment

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:
$$\frac{\text{live births, stillbirths, abortions for females in a specific age-group}}{\text{female population in a specific age-group}} \times 1,000$$

Population:

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

2003-2009 female age-group county population estimates were obtained from the Bridged-race Vintage 2003, 2004, 2005, 2006, 2007, 2008 and 2009 postcensal 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>.

Technical Notes (Cont.)

Peer Groups:

For various demographic studies, it is useful to consider groups of counties with similar characteristics. "Peer Groups" of counties, as used in this summary, are defined as those with similar population density based on their 2000 actual census counts. In order to facilitate a time series comparison, the assignment of counties to their peer group remains unchanged until the next decennial census. They will not necessarily have similar values for any other indicators. Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These definitions originated with the Kansas Department of Health and Environment, Office of Local and Rural Health, and should *not* be confused with the U.S. Census Bureau's (USCB) definitions of urban and rural areas. Sources for calculation of population densities are population figures from the 2000 U.S. Census and land areas from the 2000 U.S. Census.

Counties are grouped in population density peer groups as follows:

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

Technical Notes (Cont.)

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 of single-year rates, would be more accurate in formulating conclusions on vital events. For example, between 2005 and 2009, the teenage pregnancy rate for Kansas varied from 26.7 to 28.6 teenage pregnancies per 1,000 10-19 female population. The 2005-2009 5-year teenage pregnancy rate was 27.4. The 5-year rate smoothes some of the variation in single-year rates and would be 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 2009, Comanche County had one of the lowest 10-19 female populations in Kansas at 113 and Sedgwick County had one of the highest at 32,703. With one teenage pregnancy occurring for Comanche County residents in 2009, the 10-19 teenage pregnancy rate was 8.8; whereas 1,156 teenage pregnancies occurring for Sedgwick County residents resulted in a teen pregnancy rate of 35.3 per 1,000 10-19 female population. If five more teenage pregnancies had occurred for each county, Comanche County's teenage pregnancy rate would have increased to 53.1, while Sedgwick County's rate would have increased only slightly, to 35.5 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. Those pregnancy outcomes will be reported as unknown and are not factored into any county-based rates.