



Kansas

Adolescent and Teenage Pregnancy Report Kansas, 2008

Research Summary

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Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

As the state's environmental protection and public health agency, KDHE promotes responsible choices to protect the health and environment for all Kansans. Through education, direct services, and the assessment of data and trends, coupled with policy development and enforcement, KDHE will improve health and quality of life. We prevent illness, injuries and foster a safe and sustainable environment for the people of Kansas.

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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 Public Health Informatics (BPHI), 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 BPHI 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 *2008 Annual Summary of Vital Statistics*. Both products can be found at <http://www.kdheks.gov/bphi/>. 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 (10-19) accounted for eleven percent (11.3) of the pregnancies (47,509) in 2008. Eighty-three percent (82.6) of the teenage pregnancies resulted in a live birth (4,439), seventeen (16.9) percent in abortion (910) and the rest in stillbirths (22).

The pregnancy rate for females ages 10-19 was 28.6 per 1,000 women in 2008, up 2.9 percent from 2007 (27.8).

The rate for teens 10-17 (10.9) remained unchanged from 2007. The rate for teens 15-19 (55.0) rose 3.4 percent from 2007 to 2008. The rate for teens 10-14 (0.7) dropped 12.5 percent from 2007 to 2008.

Despite an increase in the number and rate of teenage pregnancies in each of the last four years (2005-2008), the longer term trend is still downward. Teenage pregnancy rates (10-19) dropped 14.4 percent overall during the past two decades 1989-2008.

Of the 5,371 Kansas females age 10-19 who were pregnant in 2008, most (98.8 percent) were between 15 and 19 years of age. The Kansas teenage pregnancy rates for females 15-19 years of age decreased 19.8 percent between 1989 and 2008. Teen pregnancy rates for females ages 10-17 decreased 26.8 percent during this same time frame.

In 2008, densely-settled rural counties had the highest pregnancy rates for 10-19 year old females, followed by semi-urban and urban.

The five-year (2004-2008) teen pregnancy rate for Kansas resident females 10-19 years of age was 27.3. Thirty-eight of the state's 105 counties have five-year teen pregnancy rates greater than the state rate. The lowest five-year rate in the state was in Decatur County with 5.4 pregnancies per 1,000 females 10-19 years of age. The highest rate was in Wyandotte County with 52.3 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, 1989-2008**

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
1989	5,873	117	1,871	3,885	5,756	33.4	1.3	14.9	68.6
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

*Rate per 1,000 female age-group population

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

Residence data

**Table 2. Teenage Pregnancies* for 10-19 Year Olds by Component
By County of Residence and by Peer Group, Kansas, 2008**

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	25	0	0	0	2	0	27	0.0	61.9	32.9
ANDERSON	0	9	0	1	0	3	0	13	0.0	50.2	25.7
ATCHISON	0	24	0	0	0	4	0	28	0.0	42.6	22.9
BARBER	0	9	0	0	0	1	0	10	0.0	67.6	35.0
BARTON	0	57	0	0	1	11	1	68	1.2	65.8	36.3
BOURBON	0	32	0	0	0	4	0	36	0.0	69.5	36.4
BROWN	0	27	0	0	0	0	0	27	0.0	83.9	41.3
BUTLER	0	96	0	0	0	15	0	111	0.0	47.0	24.6
CHASE	0	4	0	0	0	1	0	5	0.0	69.4	36.5
CHAUTAUQUA	0	9	0	0	0	1	0	10	0.0	71.9	41.3
CHEROKEE	1	49	0	0	0	1	1	50	1.4	65.7	34.2
CHEYENNE	0	0	0	0	0	0	0	0	0.0	0.0	0.0
CLARK	0	1	0	0	0	1	0	2	0.0	31.3	15.2
CLAY	1	9	0	0	0	1	1	10	4.2	38.0	22.0
CLOUD	0	23	0	0	0	0	0	23	0.0	56.4	34.3
COFFEY	0	9	0	0	0	1	0	10	0.0	44.2	19.6
COMANCHE	0	1	0	0	0	0	0	1	0.0	19.2	9.3
COWLEY	1	79	0	0	0	10	1	89	0.9	61.8	35.3
CRAWFORD	1	68	0	0	0	9	1	77	0.9	53.7	30.7
DECATUR	0	0	0	0	0	0	0	0	0.0	0.0	0.0
DICKINSON	0	20	0	0	0	4	0	24	0.0	40.7	20.4
DONIPHAN	0	10	0	0	0	2	0	12	0.0	35.7	20.0
DOUGLAS	0	77	0	3	1	39	1	119	0.3	21.5	14.3
EDWARDS	0	6	0	0	0	1	0	7	0.0	72.2	38.7
ELK	0	7	0	0	0	1	0	8	0.0	94.1	49.1
ELLIS	0	31	0	0	0	12	0	43	0.0	40.6	24.9
ELLSWORTH	0	3	0	0	0	0	0	3	0.0	19.2	9.8
FINNEY	2	141	0	1	0	11	2	153	1.1	85.8	43.1
FORD	2	98	0	0	0	7	2	105	1.6	86.9	43.5
FRANKLIN	0	52	0	0	0	5	0	57	0.0	62.5	33.0
GEARY	0	94	0	2	0	11	0	107	0.0	109.4	50.0
GOVE	0	0	0	0	0	0	0	0	0.0	0.0	0.0
GRAHAM	0	2	0	0	0	0	0	2	0.0	28.2	14.6
GRANT	0	19	0	0	0	0	0	19	0.0	69.6	35.3
GRAY	0	9	0	0	0	2	0	11	0.0	62.1	27.2
GREELEY	0	2	0	0	0	0	0	2	0.0	50.0	21.5
GREENWOOD	0	7	0	0	0	3	0	10	0.0	50.0	25.4
HAMILTON	0	9	0	0	0	2	0	11	0.0	119.6	62.1
HARPER	0	12	0	0	0	0	0	12	0.0	75.5	35.9
HARVEY	0	40	0	1	0	8	0	49	0.0	41.0	21.5
HASKELL	0	7	0	0	0	1	0	8	0.0	56.7	29.0
HODGEMAN	0	1	0	0	0	0	0	1	0.0	13.7	7.0
JACKSON	0	18	0	0	0	5	0	23	0.0	55.0	26.4
JEFFERSON	0	20	0	0	1	3	1	23	1.7	40.1	20.7
JEWELL	0	3	0	0	0	0	0	3	0.0	36.1	17.6
JOHNSON	2	344	0	1	5	178	7	523	0.4	31.9	15.2
KEARNY	0	14	0	0	0	0	0	14	0.0	87.5	46.7
KINGMAN	0	8	0	0	0	1	0	9	0.0	36.4	18.4
KIOWA	0	2	0	0	0	1	0	3	0.0	36.1	20.8
LABETTE	0	49	0	0	0	3	0	52	0.0	71.4	36.9
LANE	0	2	0	0	0	0	0	2	0.0	35.7	17.9
LEAVENWORTH	0	99	0	0	1	31	1	130	0.4	52.2	26.0
LINCOLN	0	2	0	0	0	2	0	4	0.0	51.9	23.3
LINN	0	10	0	0	0	3	0	13	0.0	48.7	23.6
LOGAN	0	0	0	0	0	0	0	0	0.0	0.0	0.0

**Table 2. Teenage Pregnancies* for 10-19 Year Olds by Component
By County of Residence and by Peer Group, Kansas, 2008**

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	68	0	0	0	8	1	76	0.9	51.4	30.2
MARION	0	7	0	0	0	2	0	9	0.0	20.0	11.0
MARSHALL	0	10	0	0	1	1	1	11	4.2	34.4	21.5
MCPHERSON	1	33	0	0	0	10	1	43	1.2	42.9	23.8
MEADE	0	8	0	0	0	0	0	8	0.0	55.6	24.7
MIAMI	0	25	0	0	1	10	1	35	1.0	35.8	17.8
MITCHELL	0	7	0	0	0	1	0	8	0.0	29.1	18.5
MONTGOMERY	0	80	0	0	0	2	0	82	0.0	73.3	38.6
MORRIS	0	9	0	0	0	0	0	9	0.0	44.3	24.3
MORTON	0	5	0	0	0	1	0	6	0.0	54.1	27.0
NEMAHA	0	4	0	0	0	0	0	4	0.0	12.3	5.8
NEOSHO	0	34	0	0	0	3	0	37	0.0	66.2	35.4
NESS	0	5	0	0	0	0	0	5	0.0	61.0	32.9
NORTON	1	2	0	0	0	1	1	3	7.1	23.4	14.9
OSAGE	0	26	0	0	1	3	1	29	1.8	51.6	26.8
OSBORNE	0	7	0	0	0	0	0	7	0.0	59.8	31.4
OTTAWA	0	5	0	0	0	0	0	5	0.0	28.4	14.1
PAWNEE	0	9	0	0	0	0	0	9	0.0	45.7	24.3
PHILLIPS	0	6	0	0	0	1	0	7	0.0	43.2	22.9
POTTAWATOMIE	0	28	0	0	1	2	1	30	1.5	42.3	22.2
PRATT	0	21	0	0	0	3	0	24	0.0	75.5	41.3
RAWLINS	0	0	0	1	0	0	0	1	0.0	12.0	6.9
RENO	0	105	0	0	0	13	0	118	0.0	60.7	30.7
REPUBLIC	0	8	0	0	0	0	0	8	0.0	61.1	34.6
RICE	0	11	0	0	1	2	1	13	3.7	26.1	18.3
RILEY	0	70	0	0	0	30	0	100	0.0	27.7	19.3
ROOKS	0	5	0	0	0	2	0	7	0.0	51.9	23.6
RUSH	0	4	0	0	0	0	0	4	0.0	44.0	23.3
RUSSELL	0	11	0	0	0	3	0	14	0.0	80.5	40.6
SALINE	0	123	0	0	1	13	1	136	0.6	86.2	40.8
SCOTT	0	4	0	0	0	0	0	4	0.0	29.9	15.0
SEDGWICK	14	943	0	6	2	174	16	1,123	0.9	68.5	34.1
SEWARD	1	97	0	1	0	7	1	105	1.1	118.2	59.3
SHAWNEE	2	268	0	2	5	56	7	326	1.3	60.9	30.7
SHERIDAN	0	3	0	0	0	0	0	3	0.0	41.7	21.9
SHERMAN	0	11	0	0	0	0	0	11	0.0	58.8	32.8
SMITH	0	5	0	0	0	1	0	6	0.0	55.6	28.2
STAFFORD	0	6	0	0	0	1	0	7	0.0	46.4	25.5
STANTON	0	12	0	0	0	1	0	13	0.0	156.6	85.5
STEVENS	0	12	0	0	0	1	0	13	0.0	70.7	36.6
SUMNER	0	47	0	0	0	3	0	50	0.0	56.5	29.3
THOMAS	0	15	0	0	0	2	0	17	0.0	44.9	26.5
TREGO	0	3	0	0	0	0	0	3	0.0	40.0	20.0
WABAUNSEE	0	6	0	0	0	2	0	8	0.0	38.6	20.2
WALLACE	0	1	0	0	0	0	0	1	0.0	20.4	10.6
WASHINGTON	0	5	0	0	0	0	0	5	0.0	28.2	14.3
WICHITA	0	2	0	0	0	0	0	2	0.0	25.6	12.7
WILSON	1	15	0	0	0	4	1	19	3.6	59.9	33.5
WOODSON	0	4	0	0	0	1	0	5	0.0	68.5	32.3
WYANDOTTE	9	455	0	3	4	118	13	576	2.4	106.4	54.5
UNKNOWN	0	0	0	0	0	1	0	1	n/a	n/a	n/a
KANSAS	40	4,399	0	22	26	884	66	5,305	0.7	55.0	28.6
Peer Group											
Frontier	0	120	0	1	0	13	0	134	0.0	49.6	25.6
Rural	3	372	0	1	2	48	5	421	0.3	43.7	23.3
Densely-Settled Rural	8	900	0	2	4	102	12	1,004	1.1	66.7	35.4
Semi-Urban	2	920	0	3	3	155	5	1,078	1.4	53.7	29.0
Urban	27	2,087	0	15	17	565	44	2,667	7.6	54.4	27.6

n/a = Not applicable

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

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

2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1/2008.

Table 3. Teenage Pregnancy* Rates (10-14, 15-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	Year										5-year Rate	
	2004		2005		2006		2007		2008			
	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	53.5	0.0	55.4	0.0	83.0	0.0	58.7	0.0	61.9	0.0	62.5
ANDERSON	0.0	57.3	0.0	31.0	0.0	52.2	0.0	65.7	0.0	50.2	0.0	51.3
ATCHISON	0.0	52.6	1.7	40.7	0.0	59.2	0.0	50.4	0.0	42.6	0.3	49.1
BARBER	0.0	29.1	0.0	30.5	0.0	37.0	0.0	37.7	0.0	67.6	0.0	40.4
BARTON	0.0	43.8	0.0	45.8	0.0	51.6	2.3	60.6	1.2	65.8	0.7	53.5
BOURBON	0.0	70.1	0.0	45.4	0.0	74.7	0.0	95.4	0.0	69.5	0.0	71.0
BROWN	0.0	50.8	0.0	54.3	3.1	64.4	0.0	59.2	0.0	83.9	0.6	62.5
BUTLER	0.0	38.2	0.4	41.0	0.0	38.9	0.0	40.7	0.0	47.0	0.1	41.2
CHASE	0.0	47.6	0.0	42.1	0.0	54.3	0.0	48.8	0.0	69.4	0.0	52.4
CHAUTAUQUA	0.0	21.0	0.0	13.1	0.0	43.5	0.0	28.2	0.0	71.9	0.0	35.5
CHEROKEE	1.3	60.2	0.0	77.6	0.0	59.4	0.0	49.7	1.4	65.7	0.5	62.5
CHEYENNE	0.0	18.0	0.0	28.3	0.0	51.0	0.0	32.6	0.0	0.0	0.0	26.0
CLARK	0.0	40.0	12.8	65.8	0.0	0.0	0.0	43.5	0.0	31.3	2.6	36.1
CLAY	0.0	16.0	3.7	56.5	0.0	51.3	0.0	36.9	4.2	38.0	1.6	39.7
CLOUD	0.0	29.6	0.0	25.9	3.5	38.9	0.0	48.7	0.0	56.4	0.7	39.9
COFFEY	0.0	34.9	0.0	38.2	0.0	47.1	0.0	36.7	0.0	44.2	0.0	40.2
COMANCHE	0.0	51.7	0.0	18.5	0.0	0.0	0.0	40.0	0.0	19.2	0.0	25.9
COWLEY	0.0	45.5	0.0	44.5	0.8	55.8	0.9	52.4	0.9	61.8	0.5	52.0
CRAWFORD	0.0	55.1	1.0	56.0	0.9	48.5	1.8	56.5	0.9	53.7	0.9	54.0
DECATUR	0.0	0.0	0.0	19.6	0.0	10.5	0.0	20.8	0.0	0.0	0.0	10.2
DICKINSON	1.6	48.4	0.0	35.9	0.0	54.1	1.7	50.2	0.0	40.7	0.7	45.9
DONIPHAN	0.0	27.5	0.0	17.4	0.0	22.9	0.0	31.6	0.0	35.7	0.0	27.0
DOUGLAS	0.4	26.9	0.0	27.2	0.3	20.9	0.3	26.0	0.3	21.5	0.3	24.5
EDWARDS	0.0	50.4	0.0	37.0	0.0	65.2	10.8	117.6	0.0	72.2	2.2	68.5
ELK	0.0	67.2	0.0	50.0	0.0	38.8	0.0	73.7	0.0	94.1	0.0	64.8
ELLIS	0.0	45.2	3.2	22.8	1.5	32.9	0.0	35.8	0.0	40.6	0.9	35.5
ELLSWORTH	0.0	4.7	0.0	36.3	0.0	60.1	0.0	29.4	0.0	19.2	0.0	29.9
FINNEY	0.6	85.7	0.0	79.1	2.7	80.9	1.8	66.1	1.1	85.8	1.2	79.5
FORD	2.3	89.8	1.5	69.8	0.8	82.9	3.2	73.5	1.6	86.9	1.9	80.6
FRANKLIN	2.1	50.0	3.4	61.1	1.1	56.3	1.2	49.0	0.0	62.5	1.6	55.8
GEARY	1.1	98.4	1.2	91.9	0.0	114.7	3.4	103.3	0.0	109.4	1.1	103.5
GOVE	0.0	41.2	0.0	34.1	0.0	0.0	0.0	11.4	0.0	0.0	0.0	17.3
GRAHAM	0.0	48.2	0.0	58.8	0.0	38.5	0.0	12.0	0.0	28.2	0.0	37.1
GRANT	0.0	63.8	0.0	64.8	0.0	60.6	0.0	85.3	0.0	69.6	0.0	68.8
GRAY	0.0	42.6	0.0	68.0	0.0	44.0	0.0	55.6	0.0	62.1	0.0	54.5
GREELEY	0.0	62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	22.5
GREENWOOD	0.0	68.0	0.0	78.0	0.0	38.1	0.0	71.8	0.0	50.0	0.0	61.2
HAMILTON	0.0	63.8	0.0	59.4	0.0	97.1	0.0	85.7	0.0	119.6	0.0	85.1
HARPER	0.0	48.6	0.0	42.1	0.0	41.7	0.0	64.7	0.0	75.5	0.0	54.5
HARVEY	0.0	26.8	0.0	38.6	0.0	37.9	0.9	38.6	0.0	41.0	0.2	36.6
HASKELL	0.0	116.6	6.3	43.8	5.5	42.0	0.0	49.3	0.0	56.7	2.4	61.7
HODGEMAN	0.0	0.0	0.0	12.2	0.0	35.7	0.0	38.0	0.0	13.7	0.0	19.9
JACKSON	2.1	37.6	0.0	48.1	0.0	37.5	0.0	31.3	0.0	55.0	0.4	41.9
JEFFERSON	0.0	32.9	0.0	36.6	0.0	51.0	0.0	49.8	1.7	40.1	0.3	42.1
JEWELL	0.0	17.9	0.0	19.8	0.0	10.0	0.0	31.6	0.0	36.1	0.0	23.1
JOHNSON	0.3	29.6	0.4	29.6	0.7	30.0	0.2	33.7	0.4	31.9	0.4	31.0
KEARNY	0.0	45.2	0.0	59.5	0.0	81.4	0.0	58.4	0.0	87.5	0.0	66.4
KINGMAN	0.0	22.9	0.0	22.2	0.0	35.6	0.0	36.5	0.0	36.4	0.0	30.7
KIOWA	0.0	22.9	0.0	27.5	0.0	29.4	0.0	19.2	0.0	36.1	0.0	27.0
LABETTE	2.6	51.9	4.0	62.0	4.1	68.4	0.0	91.4	0.0	71.4	2.1	69.0
LANE	0.0	15.9	0.0	47.6	0.0	0.0	0.0	0.0	0.0	35.7	0.0	19.8
LEAVENWORTH	0.0	44.5	0.4	38.1	1.5	40.8	0.0	45.3	0.4	52.2	0.5	44.2
LINCOLN	0.0	16.8	0.0	21.1	8.8	61.0	0.0	39.5	0.0	51.9	1.8	38.1
LINN	0.0	32.4	0.0	40.4	3.3	59.9	0.0	48.4	0.0	48.7	0.7	46.0
LOGAN	0.0	30.0	0.0	18.2	0.0	18.7	0.0	0.0	0.0	0.0	0.0	13.4

Table 3. Teenage Pregnancy* Rates (10-14, 15-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	Year										5-year Rate	
	2004		2005		2006		2007		2008			
	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	59.0	0.0	56.3	0.9	50.7	1.8	48.3	0.9	51.4	0.9	53.1
MARION	0.0	17.5	0.0	22.5	0.0	14.4	0.0	25.7	0	20	0.0	20.0
MARSHALL	0.0	31.9	3.1	29.3	0.0	31.4	0.0	14.7	4.2	34.4	1.5	28.3
MCPHERSON	0.0	27.9	0.0	31.6	1.2	37.1	0.0	25.6	1.2	42.9	0.5	33.0
MEADE	0.0	42.2	0.0	67.5	0.0	27.8	0.0	42.9	0.0	55.6	0.0	47.2
MIAMI	0.0	44.4	0.0	31.5	0.0	42.7	0.0	35.1	1.0	35.8	0.2	37.9
MITCHELL	0.0	15.3	0.0	9.4	0.0	23.9	0.0	24.6	0.0	29.1	0.0	20.5
MONTGOMERY	0.0	75.8	0.0	73.2	0.0	78.1	1.0	76.1	0.0	73.3	0.2	75.3
MORRIS	0.0	45.2	0.0	44.1	0.0	30.2	0.0	43.1	0.0	44.3	0.0	41.4
MORTON	8.2	52.6	8.7	78.7	7.6	90.1	0.0	79.6	0.0	54.1	4.9	71.0
NEMAHA	0.0	16.1	0.0	9.7	0.0	32.0	0.0	17.4	0.0	12.3	0.0	17.5
NEOSHO	0.0	56.0	0.0	55.0	2.0	56.0	0.0	73.9	0.0	66.2	0.4	61.4
NESS	12.3	49.0	0.0	23.5	13.3	40.0	0.0	57.5	0.0	61.0	5.1	46.2
NORTON	0.0	17.0	0.0	68.8	0.0	21.6	0.0	46.2	7.1	23.4	1.4	35.4
OSAGE	0.0	40.4	0.0	36.9	0.0	49.7	0.0	45.2	1.8	51.6	0.4	44.8
OSBORNE	0.0	26.1	0.0	7.0	0.0	39.4	0.0	68.4	0.0	59.8	0.0	40.1
OTTAWA	0.0	31.7	0.0	40.2	0.0	46.2	0.0	31.3	0.0	28.4	0.0	35.6
PAWNEE	0.0	33.1	0.0	29.5	0.0	32.0	0.0	54.8	0.0	45.7	0.0	39.0
PHILLIPS	0.0	28.8	0.0	43.3	0.0	25.9	0.0	17.8	0.0	43.2	0.0	31.8
POTTAWATOMIE	1.4	29.9	0.0	17.4	0.0	29.9	0.0	34.2	1.5	42.3	0.6	30.7
PRATT	3.3	29.1	0.0	42.4	0.0	53.3	0.0	70.3	0.0	75.5	0.7	54.1
RAWLINS	0.0	0.0	0.0	0.0	0.0	23.3	13.2	11.8	0.0	12.0	2.6	9.4
RENO	0.0	55.1	1.6	58.3	1.1	51.0	0.0	58.0	0.0	60.7	0.5	56.6
REPUBLIC	0.0	28.8	0.0	38.5	0.0	67.5	0.0	42.3	0.0	61.1	0.0	47.6
RICE	0.0	34.8	0.0	41.5	0.0	33.2	0.0	21.7	3.7	26.1	0.7	31.5
RILEY	0.0	27.0	0.8	31.3	0.7	30.8	0.7	25.4	0.0	27.7	0.4	28.4
ROOKS	0.0	21.7	0.0	24.4	0.0	35.5	0.0	62.9	0.0	51.9	0.0	39.3
RUSH	0.0	35.1	0.0	18.5	0.0	49.5	0.0	20.4	0.0	44.0	0.0	33.5
RUSSELL	0.0	27.0	0.0	51.0	0.0	35.7	0.0	33.0	0.0	80.5	0.0	45.4
SALINE	1.1	53.6	0.6	72.2	1.7	76.2	1.1	68.6	0.6	86.2	1.0	71.4
SCOTT	0.0	34.1	0.0	76.9	0.0	40.8	0.0	83.9	0.0	29.9	0.0	53.1
SEDGWICK	1.0	67.3	0.8	69.5	0.9	68.2	0.8	68.8	0.9	68.5	0.9	68.5
SEWARD	0.0	97.8	1.1	101.2	3.2	97.5	2.2	102.1	1.1	118.2	1.5	103.4
SHAWNEE	1.3	66.2	0.6	65.2	0.5	64.6	1.6	71.9	1.3	60.9	1.1	65.8
SHERIDAN	0.0	35.4	0.0	20.2	0.0	0.0	0.0	57.5	0.0	41.7	0.0	31.0
SHERMAN	0.0	32.0	0.0	42.7	0.0	44.1	0.0	58.8	0.0	58.8	0.0	47.3
SMITH	0.0	13.2	0.0	13.8	0.0	29.4	0.0	25.2	0.0	55.6	0.0	27.4
STAFFORD	0.0	31.7	0.0	27.0	0.0	49.2	0.0	53.3	0.0	46.4	0.0	41.5
STANTON	0.0	58.1	0.0	88.6	0.0	36.1	0.0	144.6	0.0	156.6	0.0	96.8
STEVENS	4.7	65.3	0.0	85.8	5.1	33.2	0.0	71.8	0.0	70.7	2.0	65.4
SUMNER	0.0	36.1	2.2	47.4	0.0	43.8	0.0	32.8	0.0	56.5	0.4	43.3
THOMAS	0.0	50.2	3.7	23.3	0.0	37.9	0.0	24.0	0.0	44.9	0.7	36.1
TREGO	0.0	19.6	0.0	47.1	0.0	41.1	0.0	39.5	0.0	40.0	0.0	37.5
WABAUNSEE	0.0	38.8	4.5	34.2	0.0	24.3	0.0	34.1	0.0	38.6	0.9	34.0
WALLACE	0.0	16.1	0.0	0.0	0.0	18.9	0.0	0.0	0.0	20.4	0.0	11.1
WASHINGTON	0.0	9.4	0.0	23.5	0.0	5.1	0.0	31.9	0.0	28.2	0.0	19.6
WICHITA	0.0	95.9	0.0	47.6	0.0	112.9	0.0	81.1	0.0	25.6	0.0	72.6
WILSON	2.8	44.8	0.0	49.5	0.0	87.2	0.0	75.7	3.6	59.9	1.3	63.4
WOODSON	0.0	46.2	0.0	82.0	11.8	71.4	0.0	90.9	0.0	68.5	2.4	71.8
WYANDOTTE	3.2	105.2	2.7	101.7	2.8	108.7	2.7	100.2	2.4	106.4	2.8	104.4
KANSAS	0.8	50.3	0.8	50.8	0.9	52.2	0.8	53.2	0.7	55.0	0.8	52.3

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

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

2004-2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Kansas Department of Health and Environment

Table 4. Teenage Pregnancy* Rates (10-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
ALLEN	29.5	31.5	44.8	32.1	32.9	34.2
ANDERSON	28.3	16.0	25.9	34.4	25.7	26.1
ATCHISON	27.9	22.7	31.5	27.2	22.9	26.4
BARBER	16.3	17.1	19.7	18.8	35.0	21.4
BARTON	23.4	24.9	28.0	34.3	36.3	29.4
BOURBON	34.3	22.6	36.9	49.8	36.4	36.0
BROWN	26.5	28.2	35.1	30.1	41.3	32.2
BUTLER	19.7	21.7	20.2	21.4	24.6	21.5
CHASE	26.6	22.7	27.9	27.4	36.5	28.2
CHAUTAUQUA	10.1	6.9	22.6	15.2	41.3	19.2
CHEROKEE	30.3	39.2	30.0	26.1	34.2	32.0
CHEYENNE	10.0	15.7	28.2	20.1	0.0	14.8
CLARK	20.4	39.0	0.0	21.6	15.2	19.2
CLAY	8.4	30.6	26.3	19.3	22.0	21.3
CLOUD	17.0	15.5	24.4	29.6	34.3	24.2
COFFEY	19.3	19.4	21.9	17.2	19.6	19.5
COMANCHE	25.9	9.1	0.0	20.2	9.3	12.9
COWLEY	24.2	24.2	30.1	29.5	35.3	28.7
CRAWFORD	31.0	32.5	28.2	33.0	30.7	31.1
DECATUR	0.0	10.3	5.2	11.7	0.0	5.4
DICKINSON	26.8	18.9	28.2	26.5	20.4	24.2
DONIPHAN	15.0	9.8	13.2	18.1	20.0	15.2
DOUGLAS	17.4	18.3	13.8	17.1	14.3	16.2
EDWARDS	25.6	18.8	30.5	61.8	38.7	35.1
ELK	38.8	28.6	21.2	40.9	49.1	35.7
ELLIS	27.2	15.8	21.3	22.2	24.9	22.3
ELLSWORTH	2.6	19.3	31.5	15.1	9.8	15.7
FINNEY	41.4	37.7	39.2	33.7	43.1	39.0
FORD	43.9	34.6	40.7	37.7	43.5	40.1
FRANKLIN	27.1	33.6	29.3	26.3	33.0	29.9
GEARY	48.7	45.3	54.8	51.4	50.0	50.0
GOVE	19.5	15.1	0.0	5.3	0.0	8.0
GRAHAM	23.7	32.1	19.0	6.5	14.6	19.2
GRANT	32.9	31.5	30.4	44.0	35.3	34.8
GRAY	21.7	33.4	19.0	25.3	27.2	25.3
GREELEY	30.6	0.0	0.0	0.0	21.5	10.4
GREENWOOD	36.4	39.4	19.7	37.5	25.4	31.7
HAMILTON	31.1	33.3	52.4	47.1	62.1	45.2
HARPER	26.8	22.6	21.1	30.8	35.9	27.4
HARVEY	14.5	20.8	20.0	20.7	21.5	19.5
HASKELL	56.9	25.0	21.5	23.4	29.0	31.2
HODGEMAN	0.0	6.1	19.7	20.7	7.0	10.7
JACKSON	20.9	24.6	18.5	15.6	26.4	21.2
JEFFERSON	16.6	18.1	24.9	24.9	20.7	21.0
JEWELL	9.4	10.1	4.8	16.1	17.6	11.6
JOHNSON	14.6	14.7	14.7	16.1	15.2	15.1
KEARNY	23.4	29.5	40.8	30.5	46.7	34.2
KINGMAN	12.3	11.8	18.0	18.9	18.4	15.9
KIOWA	13.9	15.2	16.2	11.0	20.8	15.4
LABETTE	27.5	33.6	36.8	48.5	36.9	36.7
LANE	7.6	24.8	0.0	0.0	17.9	10.1
LEAVENWORTH	21.3	18.9	20.7	22.4	26.0	21.9
LINCOLN	9.3	10.1	30.6	16.9	23.3	18.0
LINN	17.1	20.0	30.7	24.9	23.6	23.3
LOGAN	15.2	10.1	10.6	0.0	0.0	7.2

Table 4. Teenage Pregnancy* Rates (10-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
LYON	34.2	32.9	29.5	28.7	30.2	31.1
MARION	9.5	12.0	8.0	14.1	11.0	10.9
MARSHALL	17.6	17.3	16.7	8.3	21.5	16.3
MCPHERSON	15.7	18.0	21.5	14.4	23.8	18.7
MEADE	20.8	32.7	12.0	17.9	24.7	21.6
MIAMI	22.3	15.6	20.5	17.2	17.8	18.7
MITCHELL	9.3	5.7	14.6	15.4	18.5	12.7
MONTGOMERY	38.8	37.8	40.3	40.8	38.6	39.3
MORRIS	22.7	23.0	15.7	23.7	24.3	21.9
MORTON	31.4	45.5	45.3	38.6	27.0	37.6
NEMAHA	8.7	5.1	16.0	8.3	5.8	8.8
NEOSHO	31.7	30.0	31.0	40.0	35.4	33.6
NESS	32.8	11.9	26.7	31.3	32.9	27.1
NORTON	9.0	36.4	10.3	21.8	14.9	18.5
OSAGE	19.8	18.3	24.6	22.7	26.8	22.4
OSBORNE	14.3	3.9	19.5	34.3	31.4	20.7
OTTAWA	17.2	21.0	23.6	16.3	14.1	18.4
PAWNEE	18.3	16.6	17.2	30.1	24.3	21.3
PHILLIPS	15.8	24.1	14.1	9.1	22.9	17.2
POTTAWATOMIE	16.0	9.0	15.2	17.5	22.2	16.0
PRATT	17.6	23.3	27.8	36.7	41.3	29.3
RAWLINS	0.0	0.0	11.9	12.4	6.9	6.2
RENO	28.4	31.1	26.7	29.7	30.7	29.3
REPUBLIC	17.1	22.3	38.6	24.3	34.6	27.4
RICE	21.1	25.9	20.9	14.1	18.3	20.1
RILEY	18.5	22.8	22.3	18.2	19.3	20.2
ROOKS	11.4	12.2	15.3	29.8	23.6	18.5
RUSH	19.3	10.2	26.6	10.9	23.3	18.1
RUSSELL	14.2	25.5	18.1	16.1	40.6	22.9
SALINE	27.7	35.9	37.4	34.0	40.8	35.2
SCOTT	17.9	37.3	19.4	42.9	15.0	26.5
SEDGWICK	32.7	34.0	33.1	33.9	34.1	33.6
SEWARD	48.8	51.4	49.5	51.9	59.3	52.2
SHAWNEE	33.6	32.9	32.3	36.1	30.7	33.1
SHERIDAN	20.7	11.4	0.0	33.6	21.9	17.5
SHERMAN	18.0	23.6	24.7	34.5	32.8	26.7
SMITH	7.3	7.8	15.9	13.2	28.2	14.5
STAFFORD	16.7	14.2	27.0	29.3	25.5	22.5
STANTON	26.2	42.4	17.3	76.9	85.5	49.7
STEVENS	37.3	45.2	19.7	36.8	36.6	35.1
SUMNER	18.3	25.2	22.0	16.9	29.3	22.3
THOMAS	26.0	14.7	21.9	14.0	26.5	20.6
TREGO	10.1	23.1	18.4	18.2	20.0	18.0
WABAUNSEE	20.4	19.7	11.8	16.9	20.2	17.8
WALLACE	8.1	0.0	9.2	0.0	10.6	5.6
WASHINGTON	5.2	13.2	2.7	16.7	14.3	10.4
WICHITA	42.9	19.4	44.9	35.7	12.7	31.1
WILSON	23.3	24.2	43.6	39.0	33.5	32.7
WOODSON	27.1	49.8	43.7	46.5	32.3	39.9
WYANDOTTE	51.0	50.7	54.0	51.4	54.5	52.3
KANSAS	26.1	26.7	27.1	27.8	28.6	27.3

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

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

2004-2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Kansas Department of Health and Environment

**Table 5. Teenage Pregnancies* for 10-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2008**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
ALLEN	8	0	1	9	14.4
ANDERSON	2	0	2	4	9.6
ATCHISON	7	0	1	8	8.6
BARBER	2	0	0	2	8.5
BARTON	13	0	3	16	11.1
BOURBON	4	0	2	6	7.6
BROWN	8	0	0	8	15.0
BUTLER	34	0	5	39	10.8
CHASE	1	0	0	1	9.3
CHAUTAQUA	2	0	1	3	15.7
CHEROKEE	13	0	0	13	10.8
CHEYENNE	0	0	0	0	0.0
CLARK	0	0	0	0	0.0
CLAY	2	0	0	2	4.8
CLOUD	3	0	0	3	6.8
COFFEY	1	0	1	2	4.6
COMANCHE	0	0	0	0	0.0
COWLEY	26	0	1	27	14.3
CRAWFORD	25	0	2	27	15.4
DECATUR	0	0	0	0	0.0
DICKINSON	4	0	2	6	6.2
DONIPHAN	3	0	0	3	7.0
DOUGLAS	17	0	8	25	5.4
EDWARDS	1	0	0	1	6.8
ELK	2	0	1	3	22.6
ELLIS	9	0	5	14	13.1
ELLSWORTH	2	0	0	2	7.9
FINNEY	58	1	5	64	21.4
FORD	34	0	3	37	18.1
FRANKLIN	13	0	3	16	11.5
GEARY	19	1	1	21	11.8
GOVE	0	0	0	0	0.0
GRAHAM	0	0	0	0	0.0
GRANT	8	0	0	8	17.4
GRAY	4	0	2	6	17.0
GREELEY	0	0	0	0	0.0
GREENWOOD	4	0	1	5	15.2
HAMILTON	4	0	0	4	29.2
HARPER	6	0	0	6	21.3
HARVEY	12	1	0	13	7.3
HASKELL	0	0	0	0	0.0
HODGEMAN	1	0	0	1	8.3
JACKSON	5	0	2	7	9.4
JEFFERSON	5	0	2	7	7.1
JEWELL	0	0	0	0	0.0
JOHNSON	106	0	61	167	5.7
KEARNY	5	0	0	5	19.8
KINGMAN	3	0	0	3	7.4
KIOWA	1	0	1	2	17.7
LABETTE	11	0	2	13	11.3
LANE	1	0	0	1	11.0
LEAVENWORTH	20	0	12	32	7.7
LINCOLN	1	0	1	2	13.0
LINN	1	0	1	2	4.2
LOGAN	0	0	0	0	0.0

**Table 5. Teenage Pregnancies* for 10-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2008**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
LYON	23	0	3	26	15.0
MARION	4	0	1	5	7.9
MARSHALL	6	0	1	7	15.9
MCPHERSON	6	0	5	11	7.9
MEADE	2	0	0	2	7.2
MIAMI	7	0	4	11	6.4
MITCHELL	2	0	0	2	5.9
MONTGOMERY	20	0	0	20	11.8
MORRIS	1	0	0	1	3.4
MORTON	3	0	0	3	16.1
NEMAHA	0	0	0	0	0.0
NEOSHO	7	0	1	8	9.8
NESS	2	0	0	2	16.3
NORTON	1	0	1	2	8.8
OSAGE	6	0	3	9	9.5
OSBORNE	1	0	0	1	5.5
OTTAWA	1	0	0	1	3.4
PAWNEE	2	0	0	2	6.7
PHILLIPS	2	0	1	3	12.7
POTTAWATOMIE	6	0	2	8	7.0
PRATT	6	0	1	7	15.8
RAWLINS	0	0	0	0	0.0
RENO	23	0	3	26	8.5
REPUBLIC	1	0	0	1	5.4
RICE	3	0	1	4	8.4
RILEY	11	0	8	19	7.6
ROOKS	1	0	2	3	11.6
RUSH	0	0	0	0	0.0
RUSSELL	4	0	2	6	20.9
SALINE	39	0	6	45	16.1
SCOTT	1	0	0	1	4.4
SEDGWICK	274	1	55	330	11.9
SEWARD	30	1	3	34	24.1
SHAWNEE	86	1	25	112	12.6
SHERIDAN	2	0	0	2	18.0
SHERMAN	5	0	0	5	19.5
SMITH	1	0	1	2	11.6
STAFFORD	2	0	0	2	8.8
STANTON	3	0	0	3	23.8
STEVENS	2	0	0	2	6.8
SUMNER	10	0	0	10	7.1
THOMAS	3	0	0	3	7.1
TREGO	0	0	0	0	0.0
WABAUNSEE	0	0	0	0	0.0
WALLACE	0	0	0	0	0.0
WASHINGTON	1	0	0	1	3.6
WICHITA	2	0	0	2	14.2
WILSON	6	0	2	8	15.9
WOODSON	2	0	0	2	16.1
WYANDOTTE	170	2	45	217	24.6
UNKNOWN	0	0	1	1	n/a
KANSAS	1,301	8	309	1,618	10.9
Peer Group					
Frontier	35	0	4	39	9.0
Rural	107	0	22	129	9.5
Densely-Settled Rural	260	2	41	303	12.9
Semi-Urban	246	2	47	295	10.5
Urban	653	4	194	851	10.8

n/a = Not applicable

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

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

2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1/2008.

**Table 6. Teenage Pregnancies* (10-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	Teenage Pregnancies 2004-2008
ALLEN	6	7	7	8	9	37
ANDERSON	7	2	1	8	4	22
ATCHISON	13	9	9	11	8	50
BARBER	2	1	2	1	2	8
BARTON	16	19	23	13	16	87
BOURBON	8	7	15	10	6	46
BROWN	5	4	4	1	8	22
BUTLER	27	33	25	35	39	159
CHASE	1	2	4	1	1	9
CHAUTAUQUA	1	0	3	0	3	7
CHEROKEE	18	13	12	8	13	64
CHEYENNE	2	1	0	2	0	5
CLARK	2	3	0	0	0	5
CLAY	1	7	2	2	2	14
CLOUD	1	3	8	2	3	17
COFFEY	3	3	2	4	2	14
COMANCHE	0	0	0	0	0	0
COWLEY	19	14	23	19	27	102
CRAWFORD	21	19	15	21	27	103
DECATUR	0	2	1	1	0	4
DICKINSON	12	5	10	9	6	42
DONIPHAN	2	2	3	2	3	12
DOUGLAS	32	31	30	26	25	144
EDWARDS	1	1	2	3	1	8
ELK	3	1	0	1	3	8
ELLIS	11	10	10	12	14	57
ELLSWORTH	1	3	1	1	2	8
FINNEY	46	38	55	49	64	252
FORD	40	26	36	40	37	179
FRANKLIN	15	24	21	14	16	90
GEARY	28	18	20	23	21	110
GOVE	0	0	0	0	0	0
GRAHAM	2	3	1	0	0	6
GRANT	7	7	5	11	8	38
GRAY	5	3	5	1	6	20
GREELEY	0	0	0	0	0	0
GREENWOOD	8	6	3	6	5	28
HAMILTON	1	1	5	3	4	14
HARPER	4	4	2	3	6	19
HARVEY	11	16	16	15	13	71
HASKELL	8	7	3	1	0	19
HODGEMAN	0	0	2	1	1	4
JACKSON	3	6	2	4	7	22
JEFFERSON	6	8	10	13	7	44
JEWELL	1	1	1	1	0	4
JOHNSON	148	130	143	170	167	758
KEARNY	3	5	4	5	5	22
KINGMAN	1	1	3	2	3	10
KIOWA	1	2	1	0	2	6
LABETTE	8	14	25	18	13	78
LANE	1	1	0	0	1	3
LEAVENWORTH	33	33	42	31	32	171
LINCOLN	0	0	1	2	2	5
LINN	3	3	6	5	2	19
LOGAN	2	0	1	0	0	3

**Table 6. Teenage Pregnancies* (10-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	Teenage Pregnancies 2004-2008
LYON	28	25	20	20	26	119
MARION	3	3	2	1	5	14
MARSHALL	1	3	2	2	7	15
MCPHERSON	6	7	12	8	11	44
MEADE	1	2	1	3	2	9
MIAMI	17	9	8	14	11	59
MITCHELL	0	0	2	0	2	4
MONTGOMERY	16	19	31	28	20	114
MORRIS	2	3	1	3	1	10
MORTON	5	4	4	5	3	21
NEMAHA	1	2	2	2	0	7
NEOSHO	10	11	9	11	8	49
NESS	3	0	2	2	2	9
NORTON	0	4	1	0	2	7
OSAGE	3	14	6	10	9	42
OSBORNE	1	1	3	3	1	9
OTTAWA	1	2	1	0	1	5
PAWNEE	0	1	2	1	2	6
PHILLIPS	2	1	2	0	3	8
POTTAWATOMIE	6	7	7	6	8	34
PRATT	6	6	6	9	7	34
RAWLINS	0	0	0	1	0	1
RENO	25	29	27	27	26	134
REPUBLIC	2	2	0	3	1	8
RICE	8	10	6	3	4	31
RILEY	12	19	18	14	19	82
ROOKS	1	0	1	2	3	7
RUSH	2	0	0	0	0	2
RUSSELL	4	2	3	3	6	18
SALINE	28	42	41	36	45	192
SCOTT	2	3	3	5	1	14
SEDGWICK	366	376	349	376	330	1,797
SEWARD	38	37	36	36	34	181
SHAWNEE	122	111	114	140	112	599
SHERIDAN	0	0	0	1	2	3
SHERMAN	0	4	3	1	5	13
SMITH	2	1	0	1	2	6
STAFFORD	1	3	2	4	2	12
STANTON	3	1	1	6	3	14
STEVENS	2	9	2	6	2	21
SUMNER	13	14	20	5	10	62
THOMAS	2	1	4	3	3	13
TREGO	1	2	0	1	0	4
WABAUNSEE	2	3	1	3	0	9
WALLACE	0	0	0	0	0	0
WASHINGTON	0	1	1	2	1	5
WICHITA	1	2	3	0	2	8
WILSON	5	5	10	7	8	35
WOODSON	1	3	2	3	2	11
WYANDOTTE	207	189	196	206	217	1,015
UNKNOWN	1	0	0	1	1	3
KANSAS	1,563	1,552	1,592	1,643	1,618	7,968

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

Source: Kansas Department of Health and Environment

Table 7. Teenage Pregnancy* Rates (10-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
ALLEN	8.4	10.0	10.6	12.6	14.4	11.2
ANDERSON	15.0	4.3	2.2	18.3	9.6	9.9
ATCHISON	13.2	9.4	9.3	11.4	8.6	10.4
BARBER	6.7	3.5	6.8	3.8	8.5	5.9
BARTON	10.3	12.2	15.0	8.8	11.1	11.5
BOURBON	9.5	8.5	18.2	12.5	7.6	11.3
BROWN	8.8	7.4	7.0	1.8	15.0	8.0
BUTLER	7.0	8.8	6.6	9.5	10.8	8.5
CHASE	6.7	13.5	26.5	8.8	9.3	13.0
CHAUTAUQUA	4.0	0.0	13.7	0.0	15.7	6.7
CHEROKEE	14.5	10.8	9.7	6.7	10.8	10.5
CHEYENNE	12.4	6.7	0.0	16.5	0.0	7.1
CLARK	15.4	23.6	0.0	0.0	0.0	7.8
CLAY	2.1	15.1	4.4	4.6	4.8	6.2
CLOUD	2.1	6.2	16.8	4.5	6.8	7.3
COFFEY	6.3	6.6	4.2	8.9	4.6	6.1
COMANCHE	0.0	0.0	0.0	0.0	0.0	0.0
COWLEY	9.2	6.9	11.3	9.8	14.3	10.3
CRAWFORD	12.2	11.4	8.7	12.0	15.4	11.9
DECATUR	0.0	12.3	6.0	6.9	0.0	5.0
DICKINSON	10.8	4.7	9.5	9.0	6.2	8.0
DONIPHAN	4.6	4.5	7.0	4.5	7.0	5.5
DOUGLAS	7.4	7.7	6.3	5.5	5.4	6.5
EDWARDS	5.6	6.1	12.3	20.0	6.8	10.2
ELK	16.2	6.0	0.0	7.0	22.6	10.4
ELLIS	9.3	9.2	8.9	11.0	13.1	10.3
ELLSWORTH	3.3	9.9	3.4	3.6	7.9	5.6
FINNEY	17.4	14.0	19.2	17.8	21.4	18.0
FORD	19.4	12.7	17.1	19.5	18.1	17.4
FRANKLIN	9.9	16.3	14.2	9.8	11.5	12.3
GEARY	19.3	13.6	14.4	16.9	11.8	15.2
GOVE	0.0	0.0	0.0	0.0	0.0	0.0
GRAHAM	14.4	22.9	7.5	0.0	0.0	9.0
GRANT	13.7	14.3	10.1	23.3	17.4	15.8
GRAY	13.6	8.8	13.9	2.9	17.0	11.2
GREELEY	0.0	0.0	0.0	0.0	0.0	0.0
GREENWOOD	21.9	16.8	8.8	18.3	15.2	16.2
HAMILTON	6.6	6.7	29.2	18.9	29.2	18.1
HARPER	11.7	12.3	6.2	9.9	21.3	12.3
HARVEY	5.8	8.6	8.7	8.3	7.3	7.7
HASKELL	29.6	26.7	11.0	4.0	0.0	14.3
HODGEMAN	0.0	0.0	16.0	8.2	8.3	6.5
JACKSON	3.8	7.6	2.5	5.2	9.4	5.7
JEFFERSON	5.5	7.5	9.5	12.9	7.1	8.5
JEWELL	5.8	6.0	5.7	6.5	0.0	4.8
JOHNSON	5.3	4.7	4.9	5.8	5.7	5.3
KEARNY	9.5	17.1	13.9	20.5	19.8	16.2
KINGMAN	1.9	2.0	6.3	4.6	7.4	4.4
KIOWA	6.4	13.2	7.1	0.0	17.7	8.9
LABETTE	6.5	11.2	20.2	15.3	11.3	12.9
LANE	9.2	9.9	0.0	0.0	11.0	6.0
LEAVENWORTH	7.9	7.8	9.7	7.3	7.7	8.1
LINCOLN	0.0	0.0	5.9	13.3	13.0	6.4
LINN	5.9	6.1	11.9	10.3	4.2	7.7
LOGAN	12.3	0.0	6.8	0.0	0.0	3.8

Table 7. Teenage Pregnancy* Rates (10-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
LYON	15.1	14.3	11.0	11.2	15.0	13.3
MARION	4.2	4.2	2.9	1.5	7.9	4.1
MARSHALL	1.7	5.3	3.6	4.2	15.9	6.1
MCPHERSON	3.8	4.8	8.0	5.6	7.9	6.0
MEADE	3.7	7.5	3.6	10.5	7.2	6.5
MIAMI	9.6	5.1	4.5	7.9	6.4	6.7
MITCHELL	0.0	0.0	5.3	0.0	5.9	2.2
MONTGOMERY	8.7	10.7	17.3	16.3	11.8	13.0
MORRIS	6.2	9.4	3.1	9.6	3.4	6.3
MORTON	24.3	20.8	20.3	26.5	16.1	21.6
NEMAHA	1.5	3.1	3.2	3.4	0.0	2.2
NEOSHO	10.9	12.4	10.6	13.2	9.8	11.4
NESS	21.6	0.0	15.6	15.4	16.3	13.8
NORTON	0.0	15.9	3.9	0.0	8.8	5.7
OSAGE	2.9	14.0	5.9	10.2	9.5	8.5
OSBORNE	4.5	4.8	13.7	15.3	5.5	8.8
OTTAWA	3.3	6.6	3.1	0.0	3.4	3.3
PAWNEE	0.0	3.0	6.3	3.3	6.7	3.9
PHILLIPS	6.4	3.3	7.0	0.0	12.7	5.9
POTTAWATOMIE	4.9	5.8	5.8	5.1	7.0	5.7
PRATT	11.9	12.3	12.6	19.4	15.8	14.4
RAWLINS	0.0	0.0	0.0	7.1	0.0	1.4
RENO	7.9	9.3	8.7	8.8	8.5	8.6
REPUBLIC	7.5	7.8	0.0	15.6	5.4	7.3
RICE	13.7	18.3	11.5	6.1	8.4	11.6
RILEY	5.5	9.8	8.2	5.7	7.6	7.4
ROOKS	3.6	0.0	3.6	7.6	11.6	5.3
RUSH	12.1	0.0	0.0	0.0	0.0	2.4
RUSSELL	11.8	6.2	9.2	9.7	20.9	11.6
SALINE	9.6	14.6	14.0	12.6	16.1	13.4
SCOTT	7.3	11.2	11.5	21.3	4.4	11.1
SEDGWICK	13.5	14.0	12.5	13.5	11.9	13.1
SEWARD	27.2	26.9	24.5	25.0	24.1	25.5
SHAWNEE	13.6	12.6	12.6	15.6	12.6	13.4
SHERIDAN	0.0	0.0	0.0	8.5	18.0	5.3
SHERMAN	0.0	13.3	10.3	3.9	19.5	9.4
SMITH	9.4	4.9	0.0	5.3	11.6	6.2
STAFFORD	3.4	10.3	7.4	15.9	8.8	9.2
STANTON	19.4	7.2	6.3	44.1	23.8	20.2
STEVENS	5.6	25.6	6.1	19.8	6.8	12.8
SUMNER	8.3	9.2	13.0	3.5	7.1	8.2
THOMAS	4.7	2.4	9.3	7.0	7.1	6.1
TREGO	6.3	13.7	0.0	6.8	0.0	5.4
WABAUNSEE	5.2	8.3	2.9	8.5	0.0	5.0
WALLACE	0.0	0.0	0.0	0.0	0.0	0.0
WASHINGTON	0.0	3.3	3.3	7.1	3.6	3.5
WICHITA	7.2	14.8	21.1	0.0	14.2	11.5
WILSON	8.8	9.0	18.6	13.5	15.9	13.2
WOODSON	6.0	18.6	13.3	21.1	16.1	15.0
WYANDOTTE	22.7	21.0	21.1	22.7	24.6	22.4
KANSAS	10.3	10.4	10.4	10.9	10.9	10.6

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

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

2004-2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Kansas Department of Health and Environment

**Table 8. Teenage Pregnancies* for 15-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2008**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
ALLEN	8	0	1	9	37.5
ANDERSON	2	0	2	4	23.8
ATCHISON	7	0	1	8	22.4
BARBER	2	0	0	2	20.8
BARTON	13	0	2	15	26.4
BOURBON	4	0	2	6	18.9
BROWN	8	0	0	8	39.6
BUTLER	34	0	5	39	26.9
CHASE	1	0	0	1	23.3
CHAUTAUQUA	2	0	1	3	34.1
CHEROKEE	12	0	0	12	25.5
CHEYENNE	0	0	0	0	0.0
CLARK	0	0	0	0	0.0
CLAY	1	0	0	1	5.5
CLOUD	3	0	0	3	16.9
COFFEY	1	0	1	2	13.4
COMANCHE	0	0	0	0	0.0
COWLEY	25	0	1	26	33.5
CRAWFORD	24	0	2	26	40.1
DECATUR	0	0	0	0	0.0
DICKINSON	4	0	2	6	15.6
DONIPHAN	3	0	0	3	18.4
DOUGLAS	17	0	7	24	13.9
EDWARDS	1	0	0	1	15.9
ELK	2	0	1	3	54.5
ELLIS	9	0	5	14	35.6
ELLSWORTH	2	0	0	2	19.2
FINNEY	56	1	5	62	52.7
FORD	32	0	3	35	44.4
FRANKLIN	13	0	3	16	27.7
GEARY	19	1	1	21	34.3
GOVE	0	0	0	0	0.0
GRAHAM	0	0	0	0	0.0
GRANT	8	0	0	8	41.2
GRAY	4	0	2	6	47.6
GREELEY	0	0	0	0	0.0
GREENWOOD	4	0	1	5	36.5
HAMILTON	4	0	0	4	76.9
HARPER	6	0	0	6	56.1
HARVEY	12	1	0	13	18.7
HASKELL	0	0	0	0	0.0
HODGEMAN	1	0	0	1	19.6
JACKSON	5	0	2	7	24.0
JEFFERSON	5	0	1	6	15.2
JEWELL	0	0	0	0	0.0
JOHNSON	104	0	56	160	15.0
KEARNY	5	0	0	5	44.2
KINGMAN	3	0	0	3	18.1
KIOWA	1	0	1	2	38.5
LABETTE	11	0	2	13	27.9
LANE	1	0	0	1	28.6
LEAVENWORTH	20	0	11	31	19.1
LINCOLN	1	0	1	2	33.9
LINN	1	0	1	2	10.3
LOGAN	0	0	0	0	0.0

**Table 8. Teenage Pregnancies* for 15-17 Year Olds
By County of Residence and by Peer Group, Kansas, 2008**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
LYON	22	0	3	25	37.4
MARION	4	0	1	5	19.2
MARSHALL	6	0	0	6	29.7
MCPHERSON	5	0	5	10	18.7
MEADE	2	0	0	2	20.2
MIAMI	7	0	3	10	15.1
MITCHELL	2	0	0	2	11.0
MONTGOMERY	20	0	0	20	29.2
MORRIS	1	0	0	1	7.6
MORTON	3	0	0	3	40.0
NEMAHA	0	0	0	0	0.0
NEOSHO	7	0	1	8	24.4
NESS	2	0	0	2	37.7
NORTON	0	0	1	1	11.6
OSAGE	6	0	2	8	20.6
OSBORNE	1	0	0	1	13.3
OTTAWA	1	0	0	1	8.6
PAWNEE	2	0	0	2	16.0
PHILLIPS	2	0	1	3	32.6
POTTAWATOMIE	6	0	1	7	15.0
PRATT	6	0	1	7	38.7
RAWLINS	0	0	0	0	0.0
RENO	23	0	3	26	22.5
REPUBLIC	1	0	0	1	11.8
RICE	3	0	0	3	14.4
RILEY	11	0	8	19	20.0
ROOKS	1	0	2	3	30.9
RUSH	0	0	0	0	0.0
RUSSELL	4	0	2	6	51.7
SALINE	39	0	5	44	43.0
SCOTT	1	0	0	1	10.4
SEDGWICK	260	1	53	314	29.5
SEWARD	29	1	3	33	65.0
SHAWNEE	84	1	20	105	31.0
SHERIDAN	2	0	0	2	43.5
SHERMAN	5	0	0	5	46.3
SMITH	1	0	1	2	29.4
STAFFORD	2	0	0	2	19.0
STANTON	3	0	0	3	52.6
STEVENS	2	0	0	2	16.0
SUMNER	10	0	0	10	17.4
THOMAS	3	0	0	3	18.5
TREGO	0	0	0	0	0.0
WABAUNSEE	0	0	0	0	0.0
WALLACE	0	0	0	0	0.0
WASHINGTON	1	0	0	1	9.9
WICHITA	2	0	0	2	32.3
WILSON	5	0	2	7	31.3
WOODSON	2	0	0	2	47.6
WYANDOTTE	161	2	41	204	59.5
UNKNOWN	0	0	1	1	n/a
KANSAS	1,261	8	283	1,552	27.1
Peer Group					
Frontier	35	0	4	39	21.6
Rural	104	0	20	124	22.2
Densely-Settled Rural	252	2	37	291	31.3
Semi-Urban	244	2	44	290	27.0
Urban	626	4	177	807	27.0

n/a = Not applicable

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

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

2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1/2008.

**Table 9. Teenage Pregnancies* (15-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	Teenage Pregnancies 2004-2008
ALLEN	6	7	7	8	9	37
ANDERSON	7	2	1	8	4	22
ATCHISON	13	8	9	11	8	49
BARBER	2	1	2	1	2	8
BARTON	16	19	23	11	15	84
BOURBON	8	7	15	10	6	46
BROWN	5	4	3	1	8	21
BUTLER	27	32	25	35	39	158
CHASE	1	2	4	1	1	9
CHAUTAUQUA	1	0	3	0	3	7
CHEROKEE	17	13	12	8	12	62
CHEYENNE	2	1	0	2	0	5
CLARK	2	2	0	0	0	4
CLAY	1	6	2	2	1	12
CLOUD	1	3	7	2	3	16
COFFEY	3	3	2	4	2	14
COMANCHE	0	0	0	0	0	0
COWLEY	19	14	22	18	26	99
CRAWFORD	21	18	14	19	26	98
DECATUR	0	2	1	1	0	4
DICKINSON	11	5	10	8	6	40
DONIPHAN	2	2	3	2	3	12
DOUGLAS	31	31	29	25	24	140
EDWARDS	1	1	2	2	1	7
ELK	3	1	0	1	3	8
ELLIS	11	8	9	12	14	54
ELLSWORTH	1	3	1	1	2	8
FINNEY	45	38	50	46	62	241
FORD	37	24	35	36	35	167
FRANKLIN	13	21	20	13	16	83
GEARY	27	17	20	20	21	105
GOVE	0	0	0	0	0	0
GRAHAM	2	3	1	0	0	6
GRANT	7	7	5	11	8	38
GRAY	5	3	5	1	6	20
GREELEY	0	0	0	0	0	0
GREENWOOD	8	6	3	6	5	28
HAMILTON	1	1	5	3	4	14
HARPER	4	4	2	3	6	19
HARVEY	11	16	16	14	13	70
HASKELL	8	6	2	1	0	17
HODGEMAN	0	0	2	1	1	4
JACKSON	2	6	2	4	7	21
JEFFERSON	6	8	10	13	6	43
JEWELL	1	1	1	1	0	4
JOHNSON	142	123	131	166	160	722
KEARNY	3	5	4	5	5	22
KINGMAN	1	1	3	2	3	10
KIOWA	1	2	1	0	2	6
LABETTE	6	11	22	18	13	70
LANE	1	1	0	0	1	3
LEAVENWORTH	33	32	38	31	31	165
LINCOLN	0	0	0	2	2	4
LINN	3	3	5	5	2	18
LOGAN	2	0	1	0	0	3

**Table 9. Teenage Pregnancies* (15-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	Teenage Pregnancies 2004-2008
LYON	27	25	19	18	25	114
MARION	3	3	2	1	5	14
MARSHALL	1	2	2	2	6	13
MCPHERSON	6	7	11	8	10	42
MEADE	1	2	1	3	2	9
MIAMI	17	9	8	14	10	58
MITCHELL	0	0	2	0	2	4
MONTGOMERY	16	19	31	27	20	113
MORRIS	2	3	1	3	1	10
MORTON	4	3	3	5	3	18
NEMAHA	1	2	2	2	0	7
NEOSHO	10	11	8	11	8	48
NESS	2	0	1	2	2	7
NORTON	0	4	1	0	1	6
OSAGE	3	14	6	10	8	41
OSBORNE	1	1	3	3	1	9
OTTAWA	1	2	1	0	1	5
PAWNEE	0	1	2	1	2	6
PHILLIPS	2	1	2	0	3	8
POTTAWATOMIE	5	7	7	6	7	32
PRATT	5	6	6	9	7	33
RAWLINS	0	0	0	0	0	0
RENO	25	26	25	27	26	129
REPUBLIC	2	2	0	3	1	8
RICE	8	10	6	3	3	30
RILEY	12	18	17	13	19	79
ROOKS	1	0	1	2	3	7
RUSH	2	0	0	0	0	2
RUSSELL	4	2	3	3	6	18
SALINE	26	41	38	34	44	183
SCOTT	2	3	3	5	1	14
SEDGWICK	349	362	334	363	314	1,722
SEWARD	38	36	33	34	33	174
SHAWNEE	115	108	111	131	105	570
SHERIDAN	0	0	0	1	2	3
SHERMAN	0	4	3	1	5	13
SMITH	2	1	0	1	2	6
STAFFORD	1	3	2	4	2	12
STANTON	3	1	1	6	3	14
STEVENS	1	9	1	6	2	19
SUMNER	13	12	20	5	10	60
THOMAS	2	0	4	3	3	12
TREGO	1	2	0	1	0	4
WABAUNSEE	2	2	1	3	0	8
WALLACE	0	0	0	0	0	0
WASHINGTON	0	1	1	2	1	5
WICHITA	1	2	3	0	2	8
WILSON	4	5	10	7	7	33
WOODSON	1	3	1	3	2	10
WYANDOTTE	188	174	180	191	204	937
UNKNOWN	1	0	0	1	1	3
KANSAS	1,492	1,483	1,507	1,573	1,552	7,607

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

Source: Kansas Department of Health and Environment

Table 10. Teenage Pregnancy* Rates (15-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
ALLEN	20.9	23.0	27.1	31.4	37.5	28.0
ANDERSON	38.7	10.1	5.4	42.8	23.8	24.2
ATCHISON	35.8	21.3	23.9	28.5	22.4	26.4
BARBER	14.6	7.6	15.7	9.7	20.8	13.7
BARTON	25.9	30.7	37.3	18.3	26.4	27.7
BOURBON	25.0	22.3	49.2	31.6	18.9	29.4
BROWN	22.6	18.3	12.3	4.5	39.6	19.5
BUTLER	17.6	21.3	16.7	23.4	26.9	21.2
CHASE	15.2	29.9	62.5	20.0	23.3	30.2
CHAUTAUQUA	10.8	0.0	32.6	0.0	34.1	15.5
CHEROKEE	36.2	28.6	25.2	16.4	25.5	26.4
CHEYENNE	27.8	15.6	0.0	31.3	0.0	14.9
CLARK	34.5	40.8	0.0	0.0	0.0	15.1
CLAY	5.0	31.3	10.4	10.8	5.5	12.6
CLOUD	5.5	15.4	36.8	11.1	16.9	17.1
COFFEY	14.9	16.8	11.2	23.4	13.4	15.9
COMANCHE	0.0	0.0	0.0	0.0	0.0	0.0
COWLEY	23.9	17.6	28.4	22.8	33.5	25.2
CRAWFORD	31.1	28.4	21.7	28.9	40.1	30.0
DECATUR	0.0	28.6	14.5	14.5	0.0	11.5
DICKINSON	23.2	11.3	22.6	19.4	15.6	18.4
DONIPHAN	12.4	11.5	17.3	11.0	18.4	14.1
DOUGLAS	19.1	19.8	16.1	14.2	13.9	16.6
EDWARDS	15.4	16.9	34.5	35.1	15.9	23.6
ELK	34.5	13.0	0.0	14.9	54.5	23.4
ELLIS	22.0	16.8	19.4	28.4	35.6	24.4
ELLSWORTH	7.4	22.6	8.1	8.9	19.2	13.2
FINNEY	47.3	38.5	48.2	43.3	52.7	46.0
FORD	48.7	32.0	44.8	46.2	44.4	43.2
FRANKLIN	22.5	35.8	33.6	21.8	27.7	28.3
GEARY	48.4	34.7	40.0	41.6	34.3	39.8
GOVE	0.0	0.0	0.0	0.0	0.0	0.0
GRAHAM	37.7	50.0	18.5	0.0	0.0	21.2
GRANT	34.8	39.5	25.3	55.6	41.2	39.3
GRAY	34.7	23.3	41.7	7.9	47.6	31.0
GREELEY	0.0	0.0	0.0	0.0	0.0	0.0
GREENWOOD	53.7	41.7	20.5	43.8	36.5	39.2
HAMILTON	18.9	14.3	60.2	41.1	76.9	42.3
HARPER	28.6	28.6	14.6	25.9	56.1	30.8
HARVEY	14.8	21.0	21.8	19.6	18.7	19.2
HASKELL	80.8	58.8	22.0	11.0	0.0	34.5
HODGEMAN	0.0	0.0	35.1	17.9	19.6	14.5
JACKSON	6.2	18.1	6.2	12.9	24.0	13.5
JEFFERSON	13.5	18.8	23.9	31.8	15.2	20.6
JEWELL	13.9	14.5	14.7	15.9	0.0	11.8
JOHNSON	13.5	11.4	11.8	15.1	15.0	13.4
KEARNY	23.1	47.6	34.5	48.5	44.2	39.6
KINGMAN	4.4	4.6	14.7	10.9	18.1	10.5
KIOWA	13.9	31.7	17.2	0.0	38.5	20.3
LABETTE	12.4	21.9	44.0	35.7	27.9	28.4
LANE	25.0	23.3	0.0	0.0	28.6	15.4
LEAVENWORTH	21.5	19.5	22.6	18.5	19.1	20.2
LINCOLN	0.0	0.0	0.0	40.8	33.9	14.9
LINN	14.9	16.2	25.0	23.8	10.3	18.0
LOGAN	31.3	0.0	15.4	0.0	0.0	9.3

Table 10. Teenage Pregnancy* Rates (15-17 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
LYON	37.6	37.1	27.7	26.1	37.4	33.2
MARION	10.9	10.3	6.5	3.6	19.2	10.1
MARSHALL	4.0	8.0	8.3	9.1	29.7	11.8
MCPHERSON	9.2	11.5	17.2	13.1	18.7	13.9
MEADE	10.3	21.7	11.4	33.3	20.2	19.4
MIAMI	24.9	13.0	11.5	19.5	15.1	16.8
MITCHELL	0.0	0.0	10.4	0.0	11.0	4.3
MONTGOMERY	22.7	27.9	43.2	38.0	29.2	32.2
MORRIS	15.7	22.9	7.1	21.3	7.6	14.9
MORTON	47.6	39.0	46.2	72.5	40.0	49.1
NEMAHA	3.5	7.3	8.3	9.3	0.0	5.7
NEOSHO	26.0	30.7	23.5	32.4	24.4	27.4
NESS	34.5	0.0	18.9	35.1	37.7	25.2
NORTON	0.0	36.7	9.8	0.0	11.6	11.6
OSAGE	7.5	35.3	14.5	24.4	20.6	20.5
OSBORNE	10.4	10.3	33.3	37.5	13.3	21.0
OTTAWA	8.4	16.5	7.5	0.0	8.6	8.2
PAWNEE	0.0	6.6	15.5	8.0	16.0	9.2
PHILLIPS	14.2	7.4	16.4	0.0	32.6	14.1
POTTAWATOMIE	10.3	13.9	14.2	12.4	15.0	13.2
PRATT	24.5	30.6	32.6	50.3	38.7	35.3
RAWLINS	0.0	0.0	0.0	0.0	0.0	0.0
RENO	20.0	21.1	20.8	22.8	22.5	21.4
REPUBLIC	16.3	16.3	0.0	34.5	11.8	15.8
RICE	35.2	44.2	27.1	13.3	14.4	26.8
RILEY	14.5	23.7	20.2	13.0	20.0	18.3
ROOKS	9.0	0.0	10.6	19.0	30.9	13.9
RUSH	27.8	0.0	0.0	0.0	0.0	5.6
RUSSELL	28.6	15.9	22.1	25.0	51.7	28.7
SALINE	23.2	37.1	33.6	30.7	43.0	33.5
SCOTT	17.5	29.7	30.3	51.0	10.4	27.8
SEDGWICK	35.2	36.1	31.8	34.0	29.5	33.3
SEWARD	74.4	72.7	62.3	64.3	65.0	67.7
SHAWNEE	34.0	31.7	31.8	38.3	31.0	33.4
SHERIDAN	0.0	0.0	0.0	17.9	43.5	12.3
SHERMAN	0.0	30.8	22.9	9.0	46.3	21.8
SMITH	22.0	11.0	0.0	12.5	29.4	15.0
STAFFORD	7.9	24.2	16.7	35.1	19.0	20.6
STANTON	60.0	18.9	14.7	95.2	52.6	48.3
STEVENS	6.7	62.9	7.5	50.8	16.0	28.8
SUMNER	20.9	19.4	32.3	8.5	17.4	19.7
THOMAS	13.5	0.0	25.0	19.0	18.5	15.2
TREGO	15.6	34.5	0.0	17.5	0.0	13.5
WABAUNSEE	12.9	14.3	7.6	21.0	0.0	11.2
WALLACE	0.0	0.0	0.0	0.0	0.0	0.0
WASHINGTON	0.0	7.1	7.6	17.9	9.9	8.5
WICHITA	20.4	46.5	62.5	0.0	32.3	32.3
WILSON	18.6	23.1	45.9	31.7	31.3	30.1
WOODSON	13.2	36.6	15.4	51.7	47.6	32.9
WYANDOTTE	57.6	51.5	51.0	53.2	59.5	54.6
KANSAS	25.8	25.7	25.5	26.8	27.1	26.2

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

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

2004-2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Kansas Department of Health and Environment

**Table 11. Teenage Pregnancies* for 18-19 Year Olds
By County of Residence and by Peer Group, Kansas, 2008**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
ALLEN	17	0	1	18	91.8
ANDERSON	7	1	1	9	98.9
ATCHISON	17	0	3	20	66.7
BARBER	7	0	1	8	153.8
BARTON	44	0	9	53	113.7
BOURBON	28	0	2	30	149.3
BROWN	19	0	0	19	158.3
BUTLER	62	0	10	72	79.2
CHASE	3	0	1	4	137.9
CHAUTAUQUA	7	0	0	7	137.3
CHEROKEE	37	0	1	38	131.0
CHEYENNE	0	0	0	0	0.0
CLARK	1	0	1	2	117.6
CLAY	8	0	1	9	109.8
CLOUD	20	0	0	20	86.6
COFFEY	8	0	0	8	103.9
COMANCHE	1	0	0	1	55.6
COWLEY	54	0	9	63	94.7
CRAWFORD	44	0	7	51	64.9
DECATUR	0	0	0	0	0.0
DICKINSON	16	0	2	18	87.8
DONIPHAN	7	0	2	9	52.0
DOUGLAS	60	3	32	95	25.0
EDWARDS	5	0	1	6	176.5
ELK	5	0	0	5	166.7
ELLIS	22	0	7	29	43.6
ELLSWORTH	1	0	0	1	19.2
FINNEY	85	0	6	91	149.9
FORD	66	0	4	70	166.7
FRANKLIN	39	0	2	41	122.8
GEARY	75	1	10	86	235.6
GOVE	0	0	0	0	0.0
GRAHAM	2	0	0	2	76.9
GRANT	11	0	0	11	139.2
GRAY	5	0	0	5	98.0
GREELEY	2	0	0	2	250.0
GREENWOOD	3	0	2	5	79.4
HAMILTON	5	0	2	7	175.0
HARPER	6	0	0	6	115.4
HARVEY	28	0	8	36	72.1
HASKELL	7	0	1	8	170.2
HODGEMAN	0	0	0	0	0.0
JACKSON	13	0	3	16	127.0
JEFFERSON	15	0	2	17	94.4
JEWELL	3	0	0	3	111.1
JOHNSON	240	1	122	363	64.0
KEARNY	9	0	0	9	191.5
KINGMAN	5	0	1	6	74.1
KIOWA	1	0	0	1	32.3
LABETTE	38	0	1	39	148.9
LANE	1	0	0	1	47.6
LEAVENWORTH	79	0	20	99	114.5
LINCOLN	1	0	1	2	111.1
LINN	9	0	2	11	150.7
LOGAN	0	0	0	0	0.0

**Table 11. Teenage Pregnancies* for 18-19 Year Olds
By County of Residence and by Peer Group, Kansas, 2008**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate**
LYON	46	0	5	51	62.9
MARION	3	0	1	4	20.9
MARSHALL	4	0	1	5	42.4
MCPHERSON	28	0	5	33	70.7
MEADE	6	0	0	6	133.3
MIAMI	18	0	7	25	79.6
MITCHELL	5	0	1	6	64.5
MONTGOMERY	60	0	2	62	143.5
MORRIS	8	0	0	8	111.1
MORTON	2	0	1	3	83.3
NEMAHA	4	0	0	4	35.7
NEOSHO	27	0	2	29	125.5
NESS	3	0	0	3	103.4
NORTON	2	0	0	2	47.6
OSAGE	20	0	1	21	121.4
OSBORNE	6	0	0	6	142.9
OTTAWA	4	0	0	4	66.7
PAWNEE	7	0	0	7	97.2
PHILLIPS	4	0	0	4	57.1
POTTAWATOMIE	22	0	1	23	94.7
PRATT	15	0	2	17	124.1
RAWLINS	0	1	0	1	34.5
RENO	82	0	10	92	117.0
REPUBLIC	7	0	0	7	152.2
RICE	8	0	2	10	34.5
RILEY	59	0	22	81	30.5
ROOKS	4	0	0	4	105.3
RUSH	4	0	0	4	117.6
RUSSELL	7	0	1	8	137.9
SALINE	84	0	8	92	166.1
SCOTT	3	0	0	3	78.9
SEDGWICK	683	5	121	809	140.2
SEWARD	68	0	4	72	189.5
SHAWNEE	184	1	36	221	112.2
SHERIDAN	1	0	0	1	38.5
SHERMAN	6	0	0	6	75.9
SMITH	4	0	0	4	100.0
STAFFORD	4	0	1	5	108.7
STANTON	9	0	1	10	384.6
STEVENS	10	0	1	11	186.4
SUMNER	37	0	3	40	129.4
THOMAS	12	0	2	14	64.5
TREGO	3	0	0	3	187.5
WABAUNSEE	6	0	2	8	135.6
WALLACE	1	0	0	1	71.4
WASHINGTON	4	0	0	4	52.6
WICHITA	0	0	0	0	0.0
WILSON	10	0	2	12	129.0
WOODSON	2	0	1	3	96.8
WYANDOTTE	294	1	77	372	187.6
UNKNOWN	0	0	0	0	n/a
KANSAS	3,138	14	601	3,753	95.7
Peer Group					
Frontier	85	1	9	95	106.3
Rural	268	1	28	297	88.1
Densely-Settled Rural	648	0	65	713	110.8
Semi-Urban	676	1	111	788	84.6
Urban	1,461	11	388	1,860	96.9

n/a = Not applicable

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

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

2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1/2008.

Source: Kansas Department of Health and Environment

**Table 12. Teenage Pregnancies* (18-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	Teenage Pregnancies 2004-2008
ALLEN	22	22	32	19	18	113
ANDERSON	9	7	13	10	9	48
ATCHISON	24	20	31	23	20	118
BARBER	4	5	5	5	8	27
BARTON	31	32	33	54	53	203
BOURBON	27	16	23	40	30	136
BROWN	14	15	20	19	19	87
BUTLER	67	69	70	63	72	341
CHASE	4	2	1	3	4	14
CHAUTAUQUA	2	2	3	4	7	18
CHEROKEE	28	46	34	31	38	177
CHEYENNE	0	2	5	1	0	8
CLARK	1	3	0	3	2	9
CLAY	4	10	12	8	9	43
CLOUD	11	8	9	18	20	66
COFFEY	9	8	10	5	8	40
COMANCHE	3	1	0	2	1	7
COWLEY	47	51	58	58	63	277
CRAWFORD	53	60	56	63	51	283
DECATUR	0	0	0	1	0	1
DICKINSON	25	20	26	23	18	112
DONIPHAN	7	4	5	9	9	34
DOUGLAS	99	107	88	119	95	508
EDWARDS	5	3	4	8	6	26
ELK	6	5	4	6	5	26
ELLIS	36	17	28	27	29	137
ELLSWORTH	0	4	10	4	1	19
FINNEY	89	86	79	64	91	409
FORD	69	61	69	54	70	323
FRANKLIN	38	38	32	32	41	181
GEARY	57	56	73	64	86	336
GOVE	4	3	0	1	0	8
GRAHAM	2	2	2	1	2	9
GRANT	14	12	13	14	11	64
GRAY	5	11	3	9	5	33
GREELEY	3	0	0	0	2	5
GREENWOOD	9	11	5	9	5	39
HAMILTON	5	5	5	6	7	28
HARPER	8	5	6	8	6	33
HARVEY	25	34	31	33	36	159
HASKELL	11	1	4	6	8	30
HODGEMAN	0	1	1	2	0	4
JACKSON	18	17	15	10	16	76
JEFFERSON	16	15	21	17	17	86
JEWELL	1	1	0	2	3	7
JOHNSON	347	367	367	390	363	1,834
KEARNY	6	6	10	4	9	35
KINGMAN	7	6	7	8	6	34
KIOWA	2	1	2	2	1	8
LABETTE	34	37	30	52	39	192
LANE	0	2	0	0	1	3
LEAVENWORTH	76	63	65	84	99	387
LINCOLN	2	2	5	1	2	12
LINN	8	9	12	9	11	49
LOGAN	1	2	1	0	0	4

**Table 12. Teenage Pregnancies* (18-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	Teenage Pregnancies 2004-2008
LYON	63	60	58	55	51	287
MARION	6	8	5	11	4	34
MARSHALL	12	9	9	3	5	38
MCPHERSON	28	29	30	19	33	139
MEADE	6	9	3	3	6	27
MIAMI	32	24	35	22	25	138
MITCHELL	5	3	5	7	6	26
MONTGOMERY	75	66	59	60	62	322
MORRIS	7	6	5	6	8	32
MORTON	3	7	7	4	3	24
NEMAHA	6	2	10	4	4	26
NEOSHO	29	24	25	32	29	139
NESS	3	2	2	3	3	13
NORTON	3	7	2	6	2	20
OSAGE	22	8	23	16	21	90
OSBORNE	3	0	2	5	6	16
OTTAWA	6	6	8	6	4	30
PAWNEE	8	6	5	11	7	37
PHILLIPS	4	8	3	3	4	22
POTTAWATOMIE	18	6	15	19	23	81
PRATT	6	9	11	13	17	56
RAWLINS	0	0	2	1	1	4
RENO	88	94	77	88	92	439
REPUBLIC	4	5	11	3	7	30
RICE	11	12	11	8	10	52
RILEY	66	79	89	79	81	394
ROOKS	3	4	4	7	4	22
RUSH	2	2	5	2	4	15
RUSSELL	2	8	4	3	8	25
SALINE	73	83	88	80	92	416
SCOTT	4	9	3	7	3	26
SEDGWICK	712	736	755	756	809	3,768
SEWARD	48	54	55	58	72	287
SHAWNEE	250	247	239	255	221	1,212
SHERIDAN	4	2	0	4	1	11
SHERMAN	7	5	6	11	6	35
SMITH	0	1	4	2	4	11
STAFFORD	5	2	7	5	5	24
STANTON	2	6	2	6	10	26
STEVENS	15	11	6	8	11	51
SUMNER	22	33	21	25	40	141
THOMAS	13	8	10	6	14	51
TREGO	1	2	3	2	3	11
WABAUNSEE	8	6	4	4	8	30
WALLACE	1	0	1	0	1	3
WASHINGTON	2	4	0	4	4	14
WICHITA	6	1	4	6	0	17
WILSON	11	11	18	17	12	69
WOODSON	5	7	6	5	3	26
WYANDOTTE	356	364	405	356	372	1,853
UNKNOWN	2	4	0	1	0	7
KANSAS	3,463	3,492	3,600	3,625	3,753	17,933

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

Source: Kansas Department of Health and Environment

Table 13. Teenage Pregnancy* Rates (18-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
ALLEN	93.2	100.5	150.9	92.7	91.8	105.8
ANDERSON	91.8	76.9	154.8	114.9	98.9	107.5
ATCHISON	70.4	63.9	103.7	79.9	66.7	76.9
BARBER	58.0	75.8	80.6	89.3	153.8	91.5
BARTON	68.0	64.6	70.5	114.2	113.7	86.2
BOURBON	150.8	82.9	112.7	192.3	149.3	137.6
BROWN	91.5	114.5	175.4	165.2	158.3	141.0
BUTLER	72.3	72.0	74.2	69.1	79.2	73.4
CHASE	102.6	71.4	35.7	93.8	137.9	88.3
CHAUTAUQUA	40.0	46.5	65.2	85.1	137.3	74.8
CHEROKEE	100.7	150.3	114.1	104.4	131.0	120.1
CHEYENNE	0.0	47.6	156.3	35.7	0.0	47.9
CLARK	58.8	111.1	0.0	136.4	117.6	84.8
CLAY	35.7	109.9	148.1	94.1	109.8	99.5
CLOUD	49.1	34.9	40.7	77.9	86.6	57.8
COFFEY	62.9	73.4	131.6	67.6	103.9	87.9
COMANCHE	136.4	58.8	0.0	105.3	55.6	71.2
COWLEY	71.5	76.5	88.0	87.9	94.7	83.7
CRAWFORD	79.3	78.8	70.4	79.2	64.9	74.5
DECATUR	0.0	0.0	0.0	37.0	0.0	7.4
DICKINSON	92.6	78.1	116.6	112.2	87.8	97.5
DONIPHAN	42.2	23.4	28.4	53.9	52.0	40.0
DOUGLAS	30.9	30.5	23.2	31.6	25.0	28.2
EDWARDS	92.6	61.2	117.6	285.7	176.5	146.7
ELK	127.7	116.3	125.0	214.3	166.7	150.0
ELLIS	66.7	27.4	42.3	40.4	43.6	44.1
ELLSWORTH	0.0	66.7	169.5	69.0	19.2	64.9
FINNEY	145.2	148.5	141.6	106.3	149.9	138.3
FORD	163.5	130.9	145.9	121.6	166.7	145.7
FRANKLIN	86.2	100.5	97.6	99.1	122.8	101.2
GEARY	192.6	184.2	234.7	192.8	235.6	208.0
GOVE	111.1	88.2	0.0	40.0	0.0	47.9
GRAHAM	66.7	80.0	83.3	40.0	76.9	69.4
GRANT	109.4	103.4	131.3	147.4	139.2	126.1
GRAY	54.9	142.9	48.4	166.7	98.0	102.2
GREELEY	187.5	0.0	0.0	0.0	250.0	87.5
GREENWOOD	89.1	148.6	78.1	125.0	79.4	104.0
HAMILTON	122.0	161.3	250.0	187.5	175.0	179.2
HARPER	74.8	67.6	109.1	148.1	115.4	103.0
HARVEY	41.7	63.7	61.5	65.6	72.1	60.9
HASKELL	171.9	17.2	76.9	117.6	170.2	110.8
HODGEMAN	0.0	35.7	37.0	87.0	0.0	31.9
JACKSON	85.3	116.4	114.5	73.0	127.0	103.2
JEFFERSON	71.4	73.5	110.5	87.6	94.4	87.5
JEWELL	25.0	31.3	0.0	62.5	111.1	46.0
JOHNSON	58.2	62.9	66.6	70.3	64.0	64.4
KEARNY	87.0	75.0	178.6	78.4	191.5	122.1
KINGMAN	56.9	62.5	90.9	87.9	74.1	74.5
KIOWA	33.9	21.7	45.5	40.8	32.3	34.8
LABETTE	118.1	136.5	115.4	198.5	148.9	143.5
LANE	0.0	100.0	0.0	0.0	47.6	29.5
LEAVENWORTH	82.9	73.8	77.2	97.7	114.5	89.2
LINCOLN	40.0	64.5	185.2	37.0	111.1	87.6
LINN	58.4	80.4	142.9	113.9	150.7	109.3
LOGAN	27.8	42.6	23.8	0.0	0.0	18.8

Table 13. Teenage Pregnancy* Rates (18-19 years of age)
By County of Residence, Kansas, 2004-2008**

County of Residence	2004	2005	2006	2007	2008	5-year Rate
LYON	78.2	71.9	69.5	66.8	62.9	69.9
MARION	25.1	40.4	27.8	57.6	20.9	34.4
MARSHALL	75.9	71.4	83.3	24.8	42.4	59.6
MCPHERSON	49.5	54.3	64.5	42.8	70.7	56.4
MEADE	87.0	126.8	53.6	60.0	133.3	92.1
MIAMI	76.2	67.2	111.5	71.4	79.6	81.2
MITCHELL	46.7	25.6	49.5	67.3	64.5	50.7
MONTGOMERY	150.9	137.8	135.3	138.6	143.5	141.2
MORRIS	97.2	82.2	84.7	88.2	111.1	92.7
MORTON	61.2	140.0	152.2	90.9	83.3	105.5
NEMAHA	39.7	14.6	74.1	31.0	35.7	39.0
NEOSHO	92.9	86.3	100.4	132.2	125.5	107.5
NESS	68.2	55.6	90.9	100.0	103.4	83.6
NORTON	41.7	137.3	54.1	157.9	47.6	87.7
OSAGE	100.9	40.0	135.3	96.4	121.4	98.8
OSBORNE	52.6	0.0	54.1	135.1	142.9	76.9
OTTAWA	58.8	76.9	129.0	100.0	66.7	86.3
PAWNEE	94.1	70.6	55.6	117.0	97.2	86.9
PHILLIPS	59.7	109.6	42.3	39.5	57.1	61.6
POTTAWATOMIE	62.9	24.6	62.0	76.9	94.7	64.2
PRATT	34.5	57.0	81.5	97.0	124.1	78.8
RAWLINS	0.0	0.0	100.0	47.6	34.5	36.4
RENO	109.9	113.7	96.4	110.0	117.0	109.4
REPUBLIC	47.1	84.7	207.5	54.5	152.2	109.2
RICE	34.5	39.5	37.8	28.3	34.5	34.9
RILEY	32.1	33.7	34.2	30.2	30.5	32.1
ROOKS	41.1	69.0	85.1	184.2	105.3	96.9
RUSH	47.6	57.1	166.7	64.5	117.6	90.7
RUSSELL	24.4	114.3	66.7	48.4	137.9	78.3
SALINE	100.1	135.6	168.6	144.4	166.1	143.0
SCOTT	64.5	163.6	62.5	155.6	78.9	105.0
SEDGWICK	121.7	127.6	138.3	135.2	140.2	132.6
SEWARD	130.4	137.1	147.5	155.9	189.5	152.1
SHAWNEE	117.2	120.8	124.2	130.8	112.2	121.0
SHERIDAN	80.0	52.6	0.0	129.0	38.5	60.0
SHERMAN	77.8	61.7	82.2	118.3	75.9	83.2
SMITH	0.0	18.5	95.2	51.3	100.0	53.0
STAFFORD	80.6	32.8	111.1	90.9	108.7	84.8
STANTON	55.6	230.8	133.3	300.0	384.6	220.9
STEVENS	156.3	122.2	76.9	103.9	186.4	129.1
SUMNER	63.2	99.4	66.0	76.9	129.4	87.0
THOMAS	86.1	41.9	47.8	27.6	64.5	53.6
TREGO	26.3	74.1	120.0	105.3	187.5	102.6
WABAUNSEE	77.7	63.8	53.3	64.5	135.6	79.0
WALLACE	30.3	0.0	76.9	0.0	71.4	35.7
WASHINGTON	26.7	55.6	0.0	52.6	52.6	37.5
WICHITA	250.0	50.0	285.7	300.0	0.0	177.1
WILSON	91.7	102.8	174.8	177.1	129.0	135.1
WOODSON	92.6	175.0	181.8	166.7	96.8	142.6
WYANDOTTE	186.6	190.5	218.3	190.4	187.6	194.7
KANSAS	85.1	87.1	93.1	93.1	95.7	90.8

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

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

2004-2008 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: 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 2002-2008 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.

2003-2008 female age-group county population estimates were obtained from the Bridged-race Vintage 2003, 2004, 2005, 2006, 2007 and 2008 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 2004 and 2008, the teenage pregnancy rate for Kansas varied from 26.1 to 28.6 teenage pregnancies per 1,000 10-19 female population. The 2004-2008 5-year teenage pregnancy rate was 27.3. 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 2008, Comanche County had one of the lowest 10-19 female populations in Kansas at 107 and Sedgwick County had one of the highest at 33,441. With one teenage pregnancy occurring for Comanche County residents in 2008, the 10-19 teenage pregnancy rate was 9.3; whereas 1,139 teenage pregnancies occurring for Sedgwick County residents resulted in a teen pregnancy rate of 34.1 per 1,000 10-19 female population. If five more teenage pregnancies had occurred for each county, Comanche County's teenage pregnancy rate would have increased to 56.1, while Sedgwick County's rate would have increased only slightly, to 34.2 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.