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# Natality Report by Racial and Ethnic Population Groups, Kansas, 2014

## Research Summary

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Our Vision – Healthy Kansans living in safe and sustainable environments

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

## Introduction

The purpose of this report is to present statistics for 2014 for Kansas resident live births by maternal population group based on race/Hispanic origin. Birth outcome indicators include maternal age, education level, marital status, adequacy of prenatal care, primary pay source, WIC service utilization, gestational age and weight of infant at birth. These indicators are examined among population groups by normal birth outcomes and by a summary measure of poor birth outcomes.

Report tables may be used as source information in the determination of disparate outcomes. Information may also be used for program planning purposes.

## Methods

Data in this report are based on Kansas resident birth records provided to the Bureau of Epidemiology and Public Health Informatics Office of Vital Statistics by hospitals and health care providers in Kansas and from vital statistics programs in other states. The records are considered 99.99 percent complete. Tables of counts and percentage rates were prepared for selected birth outcomes and maternal characteristics by population groups (see Technical Notes for definitions of selected birth outcomes).

Items for which no response was provided are shown as “not stated” (n.s.) in tables throughout this publication. The “not stated” count has been included in the denominator when calculating percentages for population groups.

Population groups used in this report are White Non-Hispanic, Black Non-Hispanic, Native American Non-

Hispanic, Asian/Pacific Islander (Asian/PI) Non-Hispanic, Multi-race/Other Non-Hispanic and Hispanic any race.

A poor birth outcome is defined as one or more of the following indicators: Low birth weight (less than 2500 grams), prematurity (less than 37 weeks gestation), congenital anomalies and abnormal conditions of the newborn (see Technical Notes for detailed definitions and the list of abnormal conditions of the newborn).

## Results

Twenty-one tables containing counts and percentage rates were prepared.

Table 1. Number and Percent of Births by Level of Mother's Education by Population Group, Kansas, 2014

Table 2. Number and Percent of Births by Primary Payor by Population Group, Kansas, 2014

Table 3. Number and Percent of Births by Health Preparedness Region by Population Group, Kansas, 2014

Table 4. Number and Percent of Births by Mother's Marital Status by Population Group, Kansas, 2014

Table 5. Number and Percent of Births by Adequacy of Prenatal Care by Population Group, Kansas, 2014

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Table 20. Number and Percent of Births with Poor Birth Outcomes by Mother's Age by Population Group, Kansas, 2014

Table 21. Number and Percent of Births with Poor Birth Outcomes by Infant's Birth Weight in Grams by Population Group, Kansas, 2014

## Limitations

In instances where the Hispanic origin of an individual was unknown, the person was assigned to a population group solely on the basis of race and was considered non-Hispanic. For non-Hispanic individuals when more than one race was selected, i.e., Black and White, the event was reported in the Multi Race non-Hispanic population group. Persons reported as Multi Race non-Hispanic are not reported as part of the other single race population groups.

KDHE publishes on Kansas resident births and deaths. In the event that a Kansas resident birth occurs out of state and the birth state is not using the latest revision of the birth certificate, missing data may result. This may be more common in births to residents of Kansas border counties.

Table 1. Number and Percent of Births by Level of Mother's Education by Population Group, Kansas, 2014

Education of Mother	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		TOTAL	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
8th Grade or Less	241	0.9	46	1.7	5	2.1	42	3.7	52	5.1	756	12.3	0	0.0	1,142	2.9
9-12 Grade, No Diploma	1,895	6.8	353	13.4	43	18.1	64	5.6	139	13.7	1,533	25.0	0	0.0	4,027	10.3
H.S. or GED	5,705	20.4	938	35.7	82	34.6	199	17.3	271	26.6	1,875	30.6	2	8.3	9,072	23.1
Some College, No Degree	6,241	22.3	801	30.5	58	24.5	169	14.7	267	26.3	1,126	18.4	5	20.8	8,667	22.1
Associate Degree	2,858	10.2	181	6.9	22	9.3	70	6.1	64	6.3	348	5.7	0	0.0	3,543	9.0
Bachelor's Degree	7,661	27.4	192	7.3	21	8.9	305	26.6	146	14.4	356	5.8	7	29.2	8,688	22.2
Master's Degree	2,648	9.5	90	3.4	5	2.1	202	17.6	57	5.6	92	1.5	2	8.3	3,096	7.9
Doctorate	719	2.6	22	0.8	0	0.0	94	8.2	18	1.8	27	0.4	3	12.5	883	2.3
n.s.*	41	0.1	6	0.2	1	0.4	3	0.3	3	0.3	16	0.3	5	20.8	75	0.2
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 2. Number and Percent of Births by Primary Payor by Population Group, Kansas, 2014

Payor	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Medicaid	7,897	28.2	1,698	64.6	130	54.9	223	19.4	461	45.3	2,365	38.6	1	4.2	12,775	32.6
Private Insurance	17,423	62.2	624	23.7	67	28.3	775	67.5	374	36.8	1,769	28.9	18	75.0	21,050	53.7
Self-pay	862	3.1	96	3.7	6	2.5	70	6.1	82	8.1	1,468	24.0	4	16.7	2,588	6.6
Indian Health Service	8	0.0	0	0.0	14	5.9	0	0.0	3	0.3	1	0.0	0	0.0	26	0.1
Tricare	1,492	5.3	177	6.7	11	4.6	63	5.5	79	7.8	274	4.5	0	0.0	2,096	5.3
Other gov	158	0.6	15	0.6	4	1.7	7	0.6	8	0.8	92	1.5	0	0.0	284	0.7
Other	108	0.4	10	0.4	5	2.1	8	0.7	7	0.7	60	1.0	0	0.0	198	0.5
n.s.*	61	0.2	9	0.3	0	0.0	2	0.2	3	0.3	100	1.6	1	4.2	176	0.4
<b>Total</b>	<b>28,009</b>	<b>100</b>	<b>2,629</b>	<b>100</b>	<b>237</b>	<b>100</b>	<b>1,148</b>	<b>100</b>	<b>1,017</b>	<b>100</b>	<b>6,129</b>	<b>100</b>	<b>24</b>	<b>100</b>	<b>39,193</b>	<b>100</b>

\*n.s. = not stated

Residence data

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

Table 3. Number and Percent of Births by Health Preparedness Region by Population Group, Kansas, 2014

Preparedness Region	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Central Kansas Region	1,337	4.8	28	1.1	4	1.7	22	1.9	45	4.4	242	3.9	0	0.0	1,678	4.3
East Central Coalition	995	3.6	9	0.3	3	1.3	17	1.5	27	2.7	155	2.5	2	8.3	1,208	3.1
Ellis County	282	1.0	2	0.1	1	0.4	6	0.5	11	1.1	34	0.6	0	0.0	336	0.9
KC Metro Region	8,994	32.1	1,212	46.1	43	18.1	581	50.6	355	34.9	1,710	27.9	8	33.3	12,903	32.9
South-Central Metro Region	7,078	25.3	812	30.9	62	26.2	313	27.3	232	22.8	1,600	26.1	2	8.3	10,099	25.8
Lower 8 of SE Kansas	1,665	5.9	51	1.9	15	6.3	18	1.6	62	6.1	96	1.6	1	4.2	1,908	4.9
North Central Kansas	907	3.2	3	0.1	5	2.1	1	0.1	19	1.9	34	0.6	1	4.2	970	2.5
Northwest Bioterror	424	1.5	0	0.0	0	0.0	0	0.0	2	0.2	21	0.3	4	16.7	451	1.2
Northeast Corner	2,473	8.8	231	8.8	76	32.1	38	3.3	120	11.8	415	6.8	2	8.3	3,355	8.6
Rush County	21	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	21	0.1
South Central Coalition	400	1.4	1	0.0	5	2.1	2	0.2	6	0.6	46	0.8	0	0.0	460	1.2
South East Kansas Multi-County	493	1.8	9	0.3	1	0.4	1	0.1	5	0.5	15	0.2	0	0.0	524	1.3
Southwest Kansas Health Initiative	219	0.8	17	0.6	3	1.3	8	0.7	4	0.4	458	7.5	0	0.0	709	1.8
Southwest Surveillance	361	1.3	26	1.0	3	1.3	8	0.7	2	0.2	492	8.0	0	0.0	892	2.3
West Central Public Health	229	0.8	1	0.0	0	0.0	2	0.2	4	0.4	22	0.4	1	4.2	259	0.7
Western Pyramid	433	1.5	18	0.7	2	0.8	27	2.4	12	1.2	457	7.5	1	4.2	950	2.4
Wildcat Region	1,698	6.1	209	7.9	14	5.9	104	9.1	111	10.9	332	5.4	2	8.3	2,470	6.3
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 4. Number and Percent of Births by Mother's Marital Status by Population Group, Kansas, 2014

Status	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Married	19,538	69.8	745	28.3	80	33.8	980	85.4	564	55.5	2,971	48.5	20	83.3	24,898	63.5
Not Married	8,466	30.2	1,884	71.7	157	66.2	168	14.6	452	44.4	3,155	51.5	3	12.5	14,285	36.4
Unknown	5	0.0	0	0.0	0	0.0	0	0.0	1	0.1	3	0.0	1	4.2	10	0.0
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 5. Number and Percent of Births by Adequacy of Prenatal Care by Population Group, Kansas, 2014

Level of Prenatal Care	White NH		Black NH		American Indian-Alaska Native NH		Asian-PI NH		Multi Race-Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Adequate Plus	9,067	32.4	723	27.5	69	29.1	330	28.7	283	27.8	1,470	24.0	7	29.2	11,949	30.5
Adequate	15,044	53.7	1,146	43.6	106	44.7	594	51.7	439	43.2	2,796	45.6	12	50.0	20,137	51.4
Intermediate	1,268	4.5	232	8.8	18	7.6	51	4.4	102	10.0	616	10.1	1	4.2	2,288	5.8
Inadequate	2,310	8.2	480	18.3	39	16.5	154	13.4	177	17.4	1,142	18.6	2	8.3	4,304	11.0
n.s.*	320	1.1	48	1.8	5	2.1	19	1.7	16	1.6	105	1.7	2	8.3	515	1.3
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 6. Number and Percent of Births by Number of Weeks Gestation by Population Group, Kansas, 2014

Weeks Gestation	White NH		Black NH		American Indian-Alaska Native NH		Asian-PI NH		Multi Race-Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Under 20	10	0.0	3	0.1	1	0.4	1	0.1	1	0.1	4	0.1	0	0.0	20	0.1
20-22	27	0.1	6	0.2	0	0.0	1	0.1	0	0.0	4	0.1	0	0.0	38	0.1
23-27	135	0.5	38	1.4	0	0.0	3	0.3	2	0.2	32	0.5	0	0.0	210	0.5
28-31	227	0.8	38	1.4	1	0.4	12	1.0	9	0.9	44	0.7	0	0.0	331	0.8
32-35	1,020	3.6	130	4.9	10	4.2	47	4.1	49	4.8	235	3.8	2	8.3	1,493	3.8
36	938	3.3	122	4.6	13	5.5	31	2.7	41	4.0	182	3.0	0	0.0	1,327	3.4
37	2,319	8.3	250	9.5	26	11.0	99	8.6	93	9.1	491	8.0	2	8.3	3,280	8.4
38-39	15,156	54.1	1,390	52.9	132	55.7	662	57.7	548	53.9	3,390	55.3	12	50.0	21,290	54.3
40-41	8,063	28.8	642	24.4	54	22.8	291	25.3	270	26.5	1,725	28.1	6	25.0	11,051	28.2
42 and over	104	0.4	9	0.3	0	0.0	1	0.1	4	0.4	20	0.3	1	4.2	139	0.4
n.s.*	10	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0	1	4.2	14	0.0
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 7. Number and Percent of Births by WIC Participation by Population Group, Kansas, 2014

WIC Use	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Yes	7,594	27.1	1,550	59.0	134	56.5	262	22.8	499	49.1	3,884	63.4	2	8.3	13,925	35.5
No	20,410	72.9	1,079	41.0	103	43.5	886	77.2	518	50.9	2,244	36.6	21	87.5	25,261	64.5
n.s.*	5	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	1	4.2	7	0.0
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

*Table 8. Number and Percent of Singleton Births by Mother's Weight Gain Recommendation Based on Prepregnancy BMI\* by Population Group, Kansas, 2014*

Weight Gain*	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Less than recommended	5,075	18.7	617	24.5	45	19.3	302	27.1	242	24.3	1,430	23.9	5	25.0	7,716	20.3
Recommended	8,646	31.9	690	27.4	64	27.5	421	37.7	278	28.0	1,861	31.1	3	15.0	11,963	31.5
More than recommended	13,156	48.6	1,189	47.2	120	51.5	384	34.4	461	46.4	2,609	43.6	9	45.0	17,928	47.2
n.s.†	198	0.7	25	1.0	4	1.7	9	0.8	13	1.3	89	1.5	3	15.0	341	0.9
Total	27,075	100	2,521	100	233	100	1,116	100	994	100	5,989	100	20	100	37,948	100

\*See Technical Notes for definition of weight gain based on BMI.

†n.s. = not stated

Residence data

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

Table 9. Number and Percent of Births by Age-group of Mother by Population Group, Kansas, 2014

Mother's Age Group	White NH		Black NH		American Indian-Alaska Native NH		Asian-PI NH		Multi Race-Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
10-14	11	0.0	4	0.2	0	0.0	0	0.0	2	0.2	7	0.1	0	0.0	24	0.1
15-17	334	1.2	66	2.5	9	3.8	10	0.9	29	2.9	235	3.8	0	0.0	683	1.7
18-19	1,154	4.1	206	7.8	17	7.2	21	1.8	90	8.8	501	8.2	0	0.0	1,989	5.1
20-24	6,175	22.0	889	33.8	64	27.0	128	11.1	315	31.0	1,770	28.9	2	8.3	9,343	23.8
25-29	9,156	32.7	735	28.0	66	27.8	360	31.4	303	29.8	1,675	27.3	7	29.2	12,302	31.4
30-34	7,940	28.3	502	19.1	55	23.2	401	34.9	192	18.9	1,191	19.4	10	41.7	10,291	26.3
35-39	2,756	9.8	189	7.2	21	8.9	197	17.2	70	6.9	610	10.0	3	12.5	3,846	9.8
40-44	459	1.6	36	1.4	4	1.7	30	2.6	16	1.6	130	2.1	0	0.0	675	1.7
45 and above	24	0.1	2	0.1	1	0.4	1	0.1	0	0.0	10	0.2	1	4.2	39	0.1
n.s.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.2	1	0.0
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 10. Number and Percent of Births by Trimester Prenatal Care Began by Population Group, Kansas, 2014

Prenatal Care Began	White NH		Black NH		American Indian-Alaska Native NH		Asian/PI NH		Multi Race-Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
First Trimester	23,250	83.0	1,808	68.8	168	70.9	873	76.0	725	71.3	4,141	67.6	16	66.7	30,981	79.0
Second Trimester	3,699	13.2	593	22.6	48	20.3	212	18.5	217	21.3	1,447	23.6	4	16.7	6,220	15.9
Third Trimester	607	2.2	128	4.9	12	5.1	38	3.3	49	4.8	342	5.6	1	4.2	1,177	3.0
No Prenatal Care	157	0.6	54	2.1	5	2.1	6	0.5	12	1.2	92	1.5	1	4.2	327	0.8
n.s.*	296	1.1	46	1.7	4	1.7	19	1.7	14	1.4	107	1.7	2	8.3	488	1.2
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2014

County	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		TOTAL	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Allen	146	0.5	4	0.2	0	0.0	0	0.0	3	0.3	4	0.1	0	0.0	157	0.4
Anderson	102	0.4	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	104	0.3
Atchison	177	0.6	15	0.6	1	0.4	1	0.1	3	0.3	7	0.1	1	4.2	205	0.5
Barber	59	0.2	1	0.0	1	0.4	0	0.0	1	0.1	1	0.0	0	0.0	63	0.2
Barton	246	0.9	4	0.2	1	0.4	0	0.0	6	0.6	83	1.4	0	0.0	340	0.9
Bourbon	211	0.8	4	0.2	1	0.4	1	0.1	2	0.2	9	0.1	0	0.0	228	0.6
Brown	88	0.3	1	0.0	24	10.1	0	0.0	2	0.2	4	0.1	0	0.0	119	0.3
Butler	677	2.4	10	0.4	6	2.5	11	1.0	10	1.0	35	0.6	0	0.0	749	1.9
Chase	28	0.1	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	0	0.0	30	0.1
Chautauqua	29	0.1	0	0.0	1	0.4	0	0.0	1	0.1	1	0.0	0	0.0	32	0.1
Cherokee	216	0.8	0	0.0	3	1.3	2	0.2	10	1.0	7	0.1	1	4.2	239	0.6
Cheyenne	27	0.1	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	30	0.1
Clark	13	0.0	0	0.0	0	0.0	1	0.1	0	0.0	4	0.1	0	0.0	18	0.0
Clay	104	0.4	1	0.0	1	0.4	0	0.0	0	0.0	2	0.0	0	0.0	108	0.3
Cloud	97	0.3	0	0.0	0	0.0	0	0.0	2	0.2	3	0.0	0	0.0	102	0.3
Coffey	83	0.3	0	0.0	0	0.0	0	0.0	1	0.1	2	0.0	1	4.2	87	0.2
Comanche	21	0.1	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	24	0.1
Cowley	341	1.2	14	0.5	9	3.8	8	0.7	18	1.8	69	1.1	0	0.0	459	1.2
Crawford	479	1.7	9	0.3	4	1.7	10	0.9	17	1.7	40	0.7	0	0.0	559	1.4
Decatur	35	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	36	0.1
Dickinson	204	0.7	0	0.0	0	0.0	0	0.0	6	0.6	12	0.2	0	0.0	222	0.6
Doniphan	58	0.2	2	0.1	0	0.0	0	0.0	1	0.1	2	0.0	0	0.0	63	0.2
Douglas	910	3.2	56	2.1	31	13.1	76	6.6	48	4.7	95	1.6	0	0.0	1,216	3.1
Edwards	28	0.1	0	0.0	0	0.0	0	0.0	0	0.0	11	0.2	0	0.0	39	0.1
Elk	32	0.1	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	33	0.1
Ellis	282	1.0	2	0.1	1	0.4	6	0.5	11	1.1	34	0.6	0	0.0	336	0.9
Ellsworth	52	0.2	0	0.0	1	0.4	0	0.0	1	0.1	1	0.0	0	0.0	55	0.1
Finney	242	0.9	18	0.7	0	0.0	26	2.3	11	1.1	392	6.4	1	4.2	690	1.8
Ford	189	0.7	25	1.0	2	0.8	7	0.6	2	0.2	438	7.1	0	0.0	663	1.7
Franklin	294	1.0	0	0.0	0	0.0	2	0.2	4	0.4	12	0.2	1	4.2	313	0.8

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2014

County	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		TOTAL	
Geary	612	2.2	148	5.6	9	3.8	41	3.6	54	5.3	188	3.1	0	0.0	1,052	2.7
Gove	38	0.1	1	0.0	0	0.0	0	0.0	2	0.2	1	0.0	0	0.0	42	0.1
Graham	23	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	24	0.1
Grant	58	0.2	0	0.0	0	0.0	1	0.1	1	0.1	72	1.2	0	0.0	132	0.3
Gray	61	0.2	1	0.0	0	0.0	0	0.0	0	0.0	19	0.3	0	0.0	81	0.2
Greeley	16	0.1	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	19	0.0
Greenwood	59	0.2	0	0.0	1	0.4	1	0.1	1	0.1	4	0.1	0	0.0	66	0.2
Hamilton	28	0.1	0	0.0	0	0.0	0	0.0	0	0.0	15	0.2	0	0.0	43	0.1
Harper	73	0.3	0	0.0	0	0.0	0	0.0	1	0.1	12	0.2	0	0.0	86	0.2
Harvey	351	1.3	2	0.1	0	0.0	6	0.5	7	0.7	48	0.8	0	0.0	414	1.1
Haskell	34	0.1	0	0.0	0	0.0	0	0.0	0	0.0	15	0.2	0	0.0	49	0.1
Hodgeman	25	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	25	0.1
Jackson	123	0.4	2	0.1	23	9.7	1	0.1	11	1.1	11	0.2	0	0.0	171	0.4
Jefferson	170	0.6	0	0.0	0	0.0	0	0.0	2	0.2	5	0.1	0	0.0	177	0.5
Jewell	32	0.1	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	33	0.1
Johnson	5,758	20.6	406	15.4	8	3.4	389	33.9	145	14.3	681	11.1	7	29.2	7,394	18.9
Kearny	43	0.2	0	0.0	1	0.4	0	0.0	0	0.0	18	0.3	0	0.0	62	0.2
Kingman	70	0.2	0	0.0	0	0.0	0	0.0	1	0.1	2	0.0	0	0.0	73	0.2
Kiowa	27	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	28	0.1
Labette	231	0.8	13	0.5	2	0.8	2	0.2	5	0.5	11	0.2	0	0.0	264	0.7
Lane	18	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	19	0.0
Leavenworth	800	2.9	68	2.6	3	1.3	18	1.6	32	3.1	65	1.1	1	4.2	987	2.5
Lincoln	30	0.1	0	0.0	0	0.0	0	0.0	1	0.1	3	0.0	0	0.0	34	0.1
Linn	107	0.4	0	0.0	0	0.0	0	0.0	2	0.2	2	0.0	0	0.0	111	0.3
Logan	36	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	37	0.1
Lyon	249	0.9	9	0.3	1	0.4	11	1.0	14	1.4	122	2.0	0	0.0	406	1.0
McPherson	117	0.4	0	0.0	1	0.4	0	0.0	6	0.6	6	0.1	0	0.0	130	0.3
Marion	114	0.4	0	0.0	2	0.8	2	0.2	3	0.3	2	0.0	0	0.0	123	0.3
Marshall	319	1.1	1	0.0	0	0.0	2	0.2	5	0.5	16	0.3	0	0.0	343	0.9
Meade	39	0.1	0	0.0	1	0.4	0	0.0	0	0.0	16	0.3	0	0.0	56	0.1
Miami	386	1.4	1	0.0	0	0.0	2	0.2	8	0.8	13	0.2	0	0.0	410	1.0

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2014

County	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*	TOTAL		
Mitchell	88	0.3	0	0.0	0	0.0	1	0.1	2	0.2	1	0.0	0	0.0	92	0.2
Montgomery	369	1.3	29	1.1	4	1.7	3	0.3	23	2.3	25	0.4	0	0.0	453	1.2
Morris	59	0.2	0	0.0	0	0.0	0	0.0	1	0.1	2	0.0	0	0.0	62	0.2
Morton	21	0.1	0	0.0	1	0.4	0	0.0	1	0.1	17	0.3	0	0.0	40	0.1
Nemaha	147	0.5	1	0.0	1	0.4	0	0.0	3	0.3	4	0.1	1	4.2	157	0.4
Neosho	204	0.7	0	0.0	0	0.0	1	0.1	4	0.4	9	0.1	0	0.0	218	0.6
Ness	33	0.1	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	1	4.2	38	0.1
Norton	51	0.2	0	0.0	0	0.0	0	0.0	1	0.1	4	0.1	1	4.2	57	0.1
Osage	159	0.6	0	0.0	1	0.4	2	0.2	4	0.4	8	0.1	0	0.0	174	0.4
Osborne	41	0.1	0	0.0	0	0.0	0	0.0	4	0.4	1	0.0	0	0.0	46	0.1
Ottawa	47	0.2	1	0.0	0	0.0	0	0.0	1	0.1	1	0.0	0	0.0	50	0.1
Pawnee	57	0.2	1	0.0	1	0.4	0	0.0	0	0.0	5	0.1	0	0.0	64	0.2
Phillips	68	0.2	0	0.0	0	0.0	0	0.0	1	0.1	2	0.0	2	8.3	73	0.2
Pottawatomie	309	1.1	1	0.0	2	0.8	4	0.3	4	0.4	24	0.4	1	4.2	345	0.9
Pratt	122	0.4	0	0.0	4	1.7	2	0.2	3	0.3	16	0.3	0	0.0	147	0.4
Rawlins	29	0.1	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1	0	0.0	34	0.1
Reno	621	2.2	14	0.5	4	1.7	6	0.5	19	1.9	73	1.2	0	0.0	737	1.9
Republic	50	0.2	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	52	0.1
Rice	101	0.4	0	0.0	0	0.0	1	0.1	2	0.2	21	0.3	0	0.0	125	0.3
Riley	777	2.8	60	2.3	3	1.3	59	5.1	53	5.2	120	2.0	1	4.2	1,073	2.7
Rooks	58	0.2	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	59	0.2
Rush	21	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	21	0.1
Russell	74	0.3	1	0.0	2	0.8	0	0.0	2	0.2	3	0.0	0	0.0	82	0.2
Saline	573	2.0	22	0.8	1	0.4	18	1.6	32	3.1	106	1.7	0	0.0	752	1.9
Scott	54	0.2	0	0.0	1	0.4	1	0.1	1	0.1	16	0.3	0	0.0	73	0.2
Sedgwick	4,739	16.9	772	29.4	38	16.0	281	24.5	170	16.7	1,357	22.1	1	4.2	7,358	18.8
Seward	92	0.3	17	0.6	1	0.4	7	0.6	2	0.2	325	5.3	0	0.0	444	1.1
Shawnee	1,596	5.7	210	8.0	25	10.5	34	3.0	95	9.3	380	6.2	0	0.0	2,340	6.0
Sheridan	21	0.1	0	0.0	0	0.0	1	0.1	0	0.0	2	0.0	0	0.0	24	0.1
Sherman	66	0.2	0	0.0	0	0.0	1	0.1	2	0.2	13	0.2	0	0.0	82	0.2
Smith	26	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	1	4.2	28	0.1

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2014

County	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*	TOTAL		
Stafford	41	0.1	0	0.0	1	0.4	1	0.1	0	0.0	11	0.2	0	0.0	54	0.1
Stanton	15	0.1	0	0.0	0	0.0	0	0.0	0	0.0	11	0.2	0	0.0	26	0.1
Stevens	33	0.1	0	0.0	1	0.4	0	0.0	0	0.0	33	0.5	0	0.0	67	0.2
Sumner	232	0.8	0	0.0	4	1.7	1	0.1	2	0.2	12	0.2	1	4.2	252	0.6
Thomas	133	0.5	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	1	4.2	138	0.4
Trego	35	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	36	0.1
Wabaunsee	64	0.2	0	0.0	0	0.0	1	0.1	0	0.0	5	0.1	0	0.0	70	0.2
Wallace	14	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	16	0.0
Washington	62	0.2	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	66	0.2
Wichita	18	0.1	0	0.0	0	0.0	0	0.0	0	0.0	10	0.2	0	0.0	28	0.1
Wilson	104	0.4	0	0.0	1	0.4	0	0.0	1	0.1	3	0.0	0	0.0	109	0.3
Woodson	34	0.1	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	35	0.1
Wyandotte	1,033	3.7	681	25.9	1	0.4	96	8.4	120	11.8	854	13.9	0	0.0	2,785	7.1
n.s.*	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*n.s. = not stated

Residence data

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

Table 12. Number and Percent of Births by Presence of Medical Risks to the Mother During Pregnancy by Population Group Kansas, 2014

Medical Risk Factors	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Pre-pregnancy Diabetes	182	1.3	29	1.9	4	1.9	12	2.5	17	3.0	58	2.3	0	0.0	302	1.5
Gestational Diabetes	1,397	9.7	103	6.6	22	10.5	117	24.3	66	11.7	441	17.2	5	33.3	2,151	10.9
Pre-pregnancy Hypertension	387	2.7	66	4.2	5	2.4	8	1.7	10	1.8	53	2.1	0	0.0	529	2.7
Pre-eclampsia	1,555	10.8	134	8.6	13	6.2	30	6.2	37	6.6	260	10.1	0	0.0	2,029	10.2
Eclampsia	79	0.5	8	0.5	1	0.5	1	0.2	9	1.6	18	0.7	0	0.0	116	0.6
Previous Pre-term Birth	814	5.7	106	6.8	8	3.8	33	6.8	31	5.5	161	6.3	1	6.7	1,154	5.8
Previous Poor Pregnancy Outcome	531	3.7	50	3.2	17	8.1	26	5.4	19	3.4	118	4.6	2	13.3	763	3.9
Vaginal Bleeding	339	2.4	40	2.6	8	3.8	10	2.1	10	1.8	60	2.3	0	0.0	467	2.4
Previous C-Section	4,026	27.9	435	27.8	47	22.5	161	33.4	144	25.6	954	37.1	2	13.3	5,769	29.1
Infertility Treatment	424	2.9	7	0.4	3	1.4	20	4.1	2	0.4	16	0.6	4	26.7	476	2.4
Infections Contracted or Treated During Pregnancy†	831	5.8	204	13.1	21	10.0	36	7.5	53	9.4	188	7.3	0	0.0	1,333	6.7
Smoking During Pregnancy	3,810	26.4	380	24.3	59	28.2	27	5.6	163	29.0	239	9.3	1	6.7	4,679	23.6
Alcohol Use During Pregnancy	31	0.2	1	0.1	1	0.5	1	0.2	1	0.2	4	0.2	0	0.0	39	0.2
Total Births	14,406	100	1,563	100	209	100	482	100	562	100	2,570	100	15	100	19,807	100

Note: Numbers and percentages of mothers represent mothers with at least one of the medical risks listed

\*n.s. = not stated

†Infections include: Gonorrhea, Syphilis, Herpes Simplex Virus, Chlamydia, HIV, Hepatitis B & Hepatitis C

Residence data

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

Table 13. Number and Percent of Births With and Without Poor Birth Outcomes\* by Population Group, Kansas, 2014

Poor Outcome	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Yes	4,079	14.6	601	22.9	41	17.3	197	17.2	168	16.5	865	14.1	6	25.0	5,957	15.2
No	23,930	85.4	2,028	77.1	196	82.7	951	82.8	849	83.5	5,264	85.9	18	75.0	33,236	84.8
Total	28,009	100	2,629	100	237	100	1,148	100	1,017	100	6,129	100	24	100	39,193	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

Table 14. Number and Percent of Births with Poor Birth Outcomes\* at Mother's Level of Education by Population Group  
 Kansas, 2014

Education of Mother	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic- Any Race		n.s.†		TOTAL	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
8th Grade or Less	37	0.9	9	1.5	1	2.4	0	0.0	13	7.7	95	11.0	0	0.0	155	2.6
9-12 Grade, No Diploma	358	8.8	105	17.5	8	19.5	16	8.1	30	17.9	252	29.1	0	0.0	769	12.9
H.S. or GED	931	22.8	220	36.6	22	53.7	31	15.7	41	24.4	262	30.3	2	0.0	1,509	25.3
Some College, No Degree	946	23.2	173	28.8	4	9.8	26	13.2	50	29.8	139	16.1	2	0.0	1,340	22.5
Associate Degree	400	9.8	32	5.3	3	7.3	11	5.6	10	6.0	52	6.0	0	0.0	508	8.5
Bachelor's Degree	965	23.7	40	6.7	3	7.3	59	29.9	11	6.5	48	5.5	2	0.0	1,128	18.9
Master's Degree	339	8.3	12	2.0	0	0.0	38	19.3	10	6.0	11	1.3	0	0.0	410	6.9
Doctorate	93	2.3	7	1.2	0	0.0	16	8.1	3	1.8	5	0.6	0	0.0	124	2.1
n.s.†	10	0.2	3	0.5	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	14	0.2
Total	4,079	100	601	100	41	100	197	100	168	100	865	100	6	0	5,957	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

Table 15. Number and Percent of Births with Poor Birth Outcomes\* by Primary Payor by Population Group  
 Kansas 2014

Payor	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic- Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Medicaid	1,330	32.6	421	70.0	24	58.5	37	18.8	79	47.0	334	38.6	0	0.0	2,225	37.4
Private/employer Ins	2,366	58.0	117	19.5	11	26.8	143	72.6	61	36.3	261	30.2	6	100.0	2,965	49.8
Self-pay	150	3.7	24	4.0	3	7.3	8	4.1	15	8.9	208	24.0	0	0.0	408	6.8
Indian Health Service	0	0.0	0	0.0	1	2.4	0	0.0	1	0.6	0	0.0	0	0.0	2	0.0
Tricare	171	4.2	30	5.0	1	2.4	6	3.0	10	6.0	28	3.2	0	0.0	246	4.1
Other gov	28	0.7	3	0.5	0	0.0	1	0.5	1	0.6	13	1.5	0	0.0	46	0.8
Other	20	0.5	3	0.5	1	2.4	2	1.0	1	0.6	11	1.3	0	0.0	38	0.6
n.s.†	14	0.3	3	0.5	0	0.0	0	0.0	0	0.0	10	1.2	0	0.0	27	0.5
Total	4,079	100	601	100	41	100	197	100	168	100	865	100	6	100	5,957	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

Table 16. Number and Percent of Births with Poor Birth Outcomes\* by Health Preparedness Region by Population Group, Kansas 2014

Preparedness Region	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Central Kansas Region	233	5.7	3	0.5	0	0.0	3	1.5	11	6.5	31	3.6	0	0.0	281	4.7
East Central Coalition	148	3.6	3	0.5	0	0.0	5	2.5	3	1.8	18	2.1	0	0.0	177	3.0
Ellis County	32	0.8	0	0.0	0	0.0	2	1.0	3	1.8	5	0.6	0	0.0	42	0.7
KC Mmetro Region	1,263	31.0	254	42.3	4	9.8	99	50.3	64	38.1	216	25.0	2	33.3	1,902	31.9
KS South-Central Metro Region	1,075	26.4	220	36.6	14	34.1	63	32.0	37	22.0	254	29.4	0	0.0	1,663	27.9
Lower 8 of SE Kansas	285	7.0	17	2.8	2	4.9	4	2.0	7	4.2	21	2.4	0	0.0	336	5.6
North Central Kansas	133	3.3	1	0.2	1	2.4	0	0.0	3	1.8	5	0.6	0	0.0	143	2.4
Northwest Bioterror	54	1.3	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	2	33.3	57	1.0
Northeast Corner	373	9.1	52	8.7	18	43.9	8	4.1	19	11.3	69	8.0	1	16.7	540	9.1
Rush County	3	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1
South Central Coalition	44	1.1	1	0.2	0	0.0	0	0.0	3	1.8	9	1.0	0	0.0	57	1.0
South East Kansas Multi-County	63	1.5	4	0.7	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	68	1.1
Southwest Kansas Health Initiative	25	0.6	7	1.2	0	0.0	0	0.0	0	0.0	47	5.4	0	0.0	79	1.3
Southwest Surveillance	43	1.1	4	0.7	1	2.4	0	0.0	0	0.0	65	7.5	0	0.0	113	1.9
West Central Public Health	34	0.8	0	0.0	0	0.0	0	0.0	0	0.0	5	0.6	0	0.0	39	0.7
Western Pyramid	77	1.9	4	0.7	0	0.0	2	1.0	2	1.2	78	9.0	1	16.7	164	2.8
Wildcat Region	194	4.8	31	5.2	1	2.4	11	5.6	16	9.5	40	4.6	0	0.0	293	4.9
n.s.†	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total</b>	<b>4,079</b>	<b>100</b>	<b>601</b>	<b>100</b>	<b>41</b>	<b>100</b>	<b>197</b>	<b>100</b>	<b>168</b>	<b>100</b>	<b>865</b>	<b>100</b>	<b>6</b>	<b>100</b>	<b>5,957</b>	<b>100</b>

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

Table 17. Number and Percent of Births with Poor Birth Outcomes\* by Mother's Marital Status by Population Group Kansas, 2014

Status	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic- Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Married	2,604	63.8	146	24.3	9	22.0	171	86.8	87	51.8	400	46.2	5	0.0	3,422	57.4
Not Married	1,474	36.1	455	75.7	32	78.0	26	13.2	80	47.6	465	53.8	1	0.0	2,533	42.5
n.s.†	1	0.0	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	2	0.0
Total	4,079	100	601	100	41	100	197	100	168	100	865	100	6	0.0	5,957	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

*Table 18. Number and Percent of Births with Poor Birth Outcomes\* by Adequacy of Prenatal Care by Population Group, Kansas, 2014*

Level of prenatal care	White NH		Black NH		American Indian-Alaska Native NH		Asian-PI NH		Multi Race-Other NH		Hispanic-Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Adequate Plus	2,075	50.9	255	42.4	17	41.5	100	50.8	60	35.7	334	38.6	3	0.0	2,844	47.7
Adequate	1,365	33.5	173	28.8	10	24.4	69	35.0	68	40.5	291	33.6	1	0.0	1,977	33.2
Intermediate	150	3.7	46	7.7	4	9.8	4	2.0	10	6.0	68	7.9	0	0.0	282	4.7
Inadequate	380	9.3	114	19.0	7	17.1	23	11.7	26	15.5	149	17.2	0	0.0	699	11.7
n.s.†	109	2.7	13	2.2	3	7.3	1	0.5	4	2.4	23	2.7	2	0.0	155	2.6
Total	4,079	100	601	100	41	100	197	100	168	100	865	100	6	0.0	5,957	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

Table 19. Number and Percent of Births with Poor Birth Outcomes\* by WIC Participation by Population Group, Kansas, 2014

WIC Use	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic- Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Yes	1,256	30.8	382	63.6	26	63.4	36	18.3	84	50.0	528	61.0	0	0.0	2,312	38.8
No	2,822	69.2	219	36.4	15	36.6	161	81.7	84	50.0	336	38.8	6	100.0	3,643	61.2
n.s.†	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	2	0.0
Total	4,079	100	601	100	41	100	197	100	168	100	865	100	6	100	5,957	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

Table 20. Number and Percent of Births with Poor Birth Outcomes\* by Mother's Age by Population Group  
 Kansas, 2014

Years	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic- Any Race		n.s. †		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
10-14	3	0.1	3	0.5	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	8	0.1
15-17	55	1.3	10	1.7	1	2.4	4	2.0	3	1.8	33	3.8	0	0.0	106	1.8
18-19	225	5.5	53	8.8	3	7.3	2	1.0	22	13.1	72	8.3	0	0.0	377	6.3
20-24	887	21.7	178	29.6	9	22.0	22	11.2	41	24.4	227	26.2	0	0.0	1,364	22.9
25-29	1,303	31.9	173	28.8	12	29.3	62	31.5	54	32.1	236	27.3	2	0.0	1,842	30.9
30-34	1,109	27.2	119	19.8	10	24.4	66	33.5	30	17.9	171	19.8	3	0.0	1,508	25.3
35-39	412	10.1	55	9.2	6	14.6	35	17.8	15	8.9	104	12.0	1	0.0	628	10.5
40-44	79	1.9	10	1.7	0	0.0	6	3.0	3	1.8	15	1.7	0	0.0	113	1.9
45 and above	6	0.1	0	0.0	0	0.0	0	0.0	0	0.0	5	0.6	0	0.0	11	0.2
Total	4,079	100	601	100	41	100	197	100	168	100	865	100	6	0.0	5,957	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

Table 21. Number and Percent of Births with Poor Birth Outcomes\* by Infant's Birth Weight in Grams by Population Group, Kansas, 2014

Birth Weight in Grams	White NH		Black NH		American Indian-Alaska Native NH		Asian-PI NH		Multi Race-Other NH		Hispanic-Any Race		n.s.†		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Under 500	40	1.0	12	2.0	1	2.4	2	1.0	1	0.6	8	0.9	0	0.0	64	1.1
500-999	119	2.9	40	6.7	1	2.4	1	0.5	3	1.8	27	3.1	0	0.0	191	3.2
1000-1499	163	4.0	20	3.3	0	0.0	13	6.6	6	3.6	48	5.5	0	0.0	250	4.2
1500-1999	329	8.1	68	11.3	1	2.4	19	9.6	16	9.5	63	7.3	0	0.0	496	8.3
2000-2499	1,157	28.4	213	35.4	6	14.6	76	38.6	59	35.1	252	29.1	4	66.7	1,767	29.7
2500-2999	918	22.5	125	20.8	12	29.3	42	21.3	44	26.2	186	21.5	0	0.0	1,327	22.3
3000-3499	743	18.2	81	13.5	14	34.1	28	14.2	21	12.5	156	18.0	1	16.7	1,044	17.5
3500-3999	423	10.4	29	4.8	4	9.8	15	7.6	14	8.3	91	10.5	0	0.0	576	9.7
4000-4499	145	3.6	9	1.5	2	4.9	1	0.5	3	1.8	29	3.4	1	16.7	190	3.2
4500-4999	37	0.9	4	0.7	0	0.0	0	0.0	0	0.0	3	0.3	0	0.0	44	0.7
5000 and over	5	0.1	0	0.0	0	0.0	0	0.0	1	0.6	2	0.2	0	0.0	8	0.1
All	4,079	100	601	100	41	100	197	100	168	100	865	100	6	100	5,957	100

\*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

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

## Technical Notes

**Registration.** Reporting of Kansas vital events to the Kansas Department of Health and Environment (KDHE) is mandated by law (K.S.A. 65-102, K.S.A. 65-2422b, K.S.A. 65-445). These reports are completed by the combined efforts of physicians, hospital personnel, funeral directors, attorneys, and local courts. All certificates and reports are filed with the Office of Vital Statistics by direct reporting.

### **Data Caveats.**

- The dates used to calculate the month prenatal care began included the first day of the last menses before pregnancy and the date of the first prenatal visit.
- KDHE publishes data on Kansas resident births and deaths. If the birth occurs out of state and the state is not using the latest revision of the birth certificate, missing data may result. This is an important factor in Kansas border counties.
- This report includes non-stated (n.s.) in the denominators (totals) for all calculations that result in percentages. These percentages may differ from those in the Kansas Annual Summary of Vital Statistics, 2013 where n.s. is subtracted from the total (denominator).
- Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state).

**Criteria for Small for Gestational Age (SGA).** Small for gestational age is when the infant's birth-weight is less than the 10th percentile, (lowest 9.9 percent of births). These infants may be normal but small or pathologically small (intrauterine growth restriction). Many different things can lead to intrauterine growth restriction (IUGR). An unborn baby may not get enough nutrition because of:

- High altitudes
- Multiple pregnancies (twins, triplets, etc.)
- Placenta problems
- High blood pressure (pre-eclampsia)

Congenital or chromosomal abnormalities are often associated with below-normal weight. Infections during pregnancy that affect the developing baby, such as rubella, cytomegalovirus, toxoplasmosis, and syphilis may also affect the weight of the developing baby. Infants born small for gestational age but constitutionally normal may represent 40% or more of the SGA infants at term.

## Definitions

### ***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.

### ***Poor birth outcomes***

Refers to infants who have at least one of the following: prematurity, congenital anomaly, low birth weight or an abnormal condition of the newborn.

### ***Prematurity***

Less than 37 weeks gestation.

### ***Congenital Anomalies***

Defects existing at and usually before birth regardless of causation.

### ***Low Birth Weight***

Weight of a fetus or infant at delivery which is less than 2,500 grams (less than five pounds, 8 ounces).

### ***Abnormal Conditions of the Newborn***

Need for breathing/respiratory assistance, admission to neonatal intensive care, surfactant replacement therapy, need for antibiotics for infection, presence of seizures or neurological dysfunction and birth injuries requiring medical intervention.

### ***Prenatal Care***

Pregnancy-related health care services provided to a woman between conception and delivery.

### ***Trimester***

A three-month period of time. First trimester care, for example, refers to medical care initiated in the first three months of pregnancy.

### ***Weeks Gestation***

The number of weeks between the first day of the last reported normal menses and the delivery of the fetus or infant.

### ***WIC Services***

WIC is a federally funded nutrition program for women, infants, and children. WIC provides healthy foods, education and counseling, breastfeeding support, and referrals for health care at no cost.

### ***Adequacy of prenatal care***

An assessment of adequacy of prenatal care measured by the APNCU index is a composite measure based on gestational age of the newborn, the trimester prenatal care began and the number of prenatal visits made (also known as the Kotelchuck Index).

### ***Body Mass Index (BMI)***

An index for relating a person's weight in pounds times 703, and dividing by their height in inches squared.