



Natality Report by Racial and Ethnic Population Groups, Kansas, 2015

Research Summary

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

Kansas Department of Health and Environment
Susan Mosier, MD, Secretary

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

Prepared by: Cathryn Savage, PhD

Data for this report were collected by:

Office of Vital Statistics
Kay Haug, Director

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 2015 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, 2015

Table 2. Number and Percent of Births by Primary Payor by Population Group, Kansas, 2015

Table 3. Number and Percent of Births by Health Preparedness Region by Population Group, Kansas, 2015

Table 4. Number and Percent of Births by Mother's Marital Status by Population Group, Kansas, 2015

Table 5. Number and Percent of Births by Adequacy of Prenatal Care by Population Group, Kansas, 2015

Table 6. Number and Percent of Births by Number of Weeks Gestation by Population Group, Kansas, 2015

Table 7. Number and Percent of Births by WIC Participation by Population Group, Kansas, 2015

Table 8. Number and Percent of Singleton Births by Mother's Weight Gain Recommendation Based on Pre-pregnancy BMI* by Population Group, Kansas, 2015

Table 9. Number and Percent of Births by Age-group of Mother by Population Group, 2015

Table 10. Number and Percent of Births by Trimester Prenatal Care Began by Population Group, Kansas, 2015

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2015

Table 12. Number and Percent of Births by Presence of Medical Risks to the Mother During Pregnancy by Population Group, Kansas, 2015

Table 13. Number and Percent of Births with and Without Poor Birth Outcomes by Population Group, Kansas, 2015

Table 14. Number and Percent of Births with Poor Birth Outcomes at Mother's Level of Education by Population Group, Kansas, 2015

Table 15. Number and Percent of Births with Poor Birth Outcomes by Primary Payor by Population Group, Kansas, 2015

Table 16. Number and Percent of Births with Poor Birth Outcomes by Health Preparedness Region by Population Group, Kansas, 2015

Table 17. Number and Percent of Births with Poor Birth Outcomes by Mother's Marital Status by Population Group, Kansas, 2015

Table 18. Number and Percent of Births with Poor Birth Outcomes by Adequacy of Prenatal Care by Population Group, Kansas, 2015

Table 19. Number and Percent of Births with Poor Birth Outcomes by WIC Participation by Population Group, Kansas, 2015

Table 20. Number and Percent of Births with Poor Birth Outcomes by Mother's Age by Population Group, Kansas, 2015

Table 21. Number and Percent of Births with Poor Birth Outcomes by Infant's Birth Weight in Grams by Population Group, Kansas, 2015

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, 2015

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	269	1.0	49	1.9	1	0.5	37	3.0	76	7.1	742	11.8	1	4.3	1,175	3.0
9-12 Grade, No Diploma	1,711	6.2	355	13.7	29	15.7	56	4.5	139	12.9	1503	23.9	1	4.3	3,794	9.7
H.S. or GED	5,484	19.8	935	36.2	64	34.6	177	14.2	262	24.3	1998	31.8	1	4.3	8,921	22.8
Some College, No Degree	6,194	22.3	740	28.6	50	27.0	184	14.7	277	25.7	1126	17.9	3	13.0	8,574	21.9
Associate Degree	2,922	10.5	168	6.5	16	8.6	71	5.7	80	7.4	325	5.2	1	4.3	3,583	9.2
Bachelor's Degree	7,668	27.7	228	8.8	20	10.8	394	31.5	174	16.2	433	6.9	4	17.4	8,921	22.8
Master's Degree	2,718	9.8	78	3.0	5	2.7	244	19.5	52	4.8	111	1.8	0	0.0	3,208	8.2
Doctorate	703	2.5	26	1.0	0	0.0	83	6.6	14	1.3	30	0.5	0	0.0	856	2.2
n.s.*	48	0.2	6	0.2	0	0.0	4	0.3	2	0.2	22	0.3	12	52.2	94	0.2
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

Source: Kansas Department of Health and Environment,

Bureau of Epidemiology and Public Health Informatics

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Table 2. Number and Percent of Births by Primary Payor by Population Group, Kansas, 2015

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	7,656	27.6	1,569	60.7	106	57.3	182	14.6	487	45.3	2,523	40.1	5	21.7	12,528	32.0
Private Insurance	17,472	63.0	666	25.8	48	25.9	888	71.0	397	36.9	1,824	29.0	4	17.4	21,299	54.4
Self-pay	835	3.0	112	4.3	2	1.1	90	7.2	75	7.0	1,411	22.4	6	26.1	2,531	6.5
Indian Health Service	8	0.0	0	0.0	12	6.5	0	0.0	3	0.3	3	0.0	0	0.0	26	0.1
Tricare	1,450	5.2	211	8.2	16	8.6	76	6.1	85	7.9	267	4.2	4	17.4	2,109	5.4
Other gov	125	0.5	10	0.4	1	0.5	8	0.6	8	0.7	59	0.9	0	0.0	211	0.5
Other	114	0.4	12	0.5	0	0.0	4	0.3	12	1.1	85	1.4	0	0.0	227	0.6
n.s.*	57	0.2	5	0.2	0	0.0	2	0.2	9	0.8	118	1.9	4	17.4	195	0.5
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	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,

Table 3. Number and Percent of Births by Health Preparedness Region by Population Group, Kansas, 2015

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	1,303	4.7	24	0.9	5	2.7	23	1.8	41	3.8	284	4.5	1	4.3	1,681	4.3
East Central Coalition	988	3.6	9	0.3	3	1.6	17	1.4	42	3.9	146	2.3	2	8.7	1,207	3.1
Ellis County	316	1.1	3	0.1	2	1.1	7	0.6	5	0.5	31	0.5	0	0.0	364	0.9
KC Metro Region	9,099	32.8	1,146	44.3	47	25.4	631	50.5	373	34.7	1,791	28.5	7	30.4	13,094	33.5
South-Central Metro Region	6,935	25.0	812	31.4	29	15.7	331	26.5	241	22.4	1,616	25.7	2	8.7	9,966	25.5
Lower 8 of SE Kansas	1,512	5.5	57	2.2	25	13.5	17	1.4	58	5.4	113	1.8	1	4.3	1,783	4.6
North Central Kansas	946	3.4	0	0.0	6	3.2	9	0.7	23	2.1	37	0.6	0	0.0	1,021	2.6
Northwest Bioterror	357	1.3	5	0.2	0	0.0	4	0.3	4	0.4	26	0.4	0	0.0	396	1.0
Northeast Corner	2,462	8.9	212	8.2	50	27.0	51	4.1	142	13.2	427	6.8	3	13.0	3,347	8.6
Rush County	34	0.1	0	0.0	0	0.0	0	0.0	2	0.2	1	0.0	0	0.0	37	0.1
South Central Coalition	408	1.5	0	0.0	1	0.5	8	0.6	5	0.5	44	0.7	0	0.0	466	1.2
South East Kansas Multi-County	439	1.6	8	0.3	0	0.0	2	0.2	12	1.1	9	0.1	0	0.0	470	1.2
Southwest Kansas Health Initiative	205	0.7	22	0.9	2	1.1	9	0.7	5	0.5	446	7.1	0	0.0	689	1.8
Southwest Surveillance	379	1.4	26	1.0	0	0.0	6	0.5	3	0.3	479	7.6	0	0.0	893	2.3
West Central Public Health	225	0.8	0	0.0	0	0.0	3	0.2	5	0.5	38	0.6	0	0.0	271	0.7
Western Pyramid	382	1.4	19	0.7	3	1.6	17	1.4	18	1.7	503	8.0	0	0.0	942	2.4
Wildcat Region	1,725	6.2	242	9.4	12	6.5	115	9.2	97	9.0	299	4.8	7	30.4	2,497	6.4
n.s.*	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

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

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Table 4. Number and Percent of Births by Mother's Marital Status by Population Group, Kansas, 2015

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	19,412	70.0	815	31.5	74	40.0	1,085	86.8	580	53.9	3,024	48.1	14	60.9	25,004	63.9
Not Married	8,300	29.9	1,769	68.4	111	60.0	164	13.1	496	46.1	3,262	51.9	6	26.1	14,108	36.1
Unknown	5	0.0	1	0.0	0	0.0	1	0.1	0	0.0	4	0.1	3	13.0	14	0.0
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

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

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Table 5. Number and Percent of Births by Adequacy of Prenatal Care by Population Group, Kansas, 2015

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	8,555	30.9	639	24.7	62	33.5	344	27.5	315	29.3	1,470	23.4	6	26.1	11,391	29.1
Adequate	15,572	56.2	1,264	48.9	73	39.5	699	55.9	504	46.8	3,062	48.7	6	26.1	21,180	54.1
Intermediate	1,289	4.7	235	9.1	10	5.4	82	6.6	97	9.0	590	9.4	3	13.0	2,306	5.9
Inadequate	2,181	7.9	438	16.9	39	21.1	121	9.7	152	14.1	1,125	17.9	6	26.1	4,062	10.4
n.s.*	120	0.4	9	0.3	1	0.5	4	0.3	8	0.7	43	0.7	2	8.7	187	0.5
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

Source: Kansas Department of Health and Environment,
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Table 6. Number and Percent of Births by Number of Weeks Gestation by Population Group, Kansas, 2015

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	6	0.0	3	0.1	0	0.0	3	0.2	1	0.1	3	0.0	0	0.0	16	0.0
20-22	26	0.1	5	0.2	0	0.0	0	0.0	1	0.1	6	0.1	0	0.0	38	0.1
23-27	109	0.4	27	1.0	0	0.0	5	0.4	5	0.5	28	0.4	2	8.7	176	0.4
28-31	193	0.7	45	1.7	1	0.5	9	0.7	12	1.1	38	0.6	1	4.3	299	0.8
32-35	1,066	3.8	111	4.3	9	4.9	42	3.4	44	4.1	233	3.7	0	0.0	1,505	3.8
36	956	3.4	104	4.0	11	5.9	56	4.5	49	4.6	215	3.4	1	4.3	1,392	3.6
37	2,346	8.5	264	10.2	20	10.8	94	7.5	98	9.1	526	8.4	1	4.3	3,349	8.6
38-39	14,984	54.1	1,359	52.6	108	58.4	726	58.1	590	54.8	3,464	55.1	8	34.8	21,239	54.3
40-41	7,917	28.6	659	25.5	35	18.9	313	25.0	268	24.9	1,762	28.0	5	21.7	10,959	28.0
42 and over	103	0.4	8	0.3	1	0.5	1	0.1	7	0.7	11	0.2	1	4.3	132	0.3
n.s.*	11	0.0	0	0.0	0	0.0	1	0.1	1	0.1	4	0.1	4	17.4	21	0.1
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

Source: Kansas Department of Health and Environment,

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Table 7. Number and Percent of Births by WIC Participation by Population Group, Kansas, 2015

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	6,872	24.8	1,456	56.3	108	58.4	253	20.2	489	45.4	3847	61.2	5	21.7	13,030	33.3
No	20,799	75.0	1,129	43.7	76	41.1	996	79.7	582	54.1	2442	38.8	16	69.6	26,040	66.6
n.s.*	46	0.2	0	0.0	1	0.5	1	0.1	5	0.5	1	0.0	2	8.7	56	0.1
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

Source: Kansas Department of Health and Environment,
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Table 8. Number and Percent of Singleton Births by Mother's Weight Gain Recommendation Based on Prepregnancy BMI by Population Group, Kansas, 2015*

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	5,096	19.0	632	25.3	30	16.8	340	28.1	258	24.7	1,534	25.0	5	26.3	7,895	20.8
Recommended	8,417	31.4	717	28.7	55	30.7	471	38.9	298	28.5	2,018	32.8	1	5.3	11,977	31.5
More than recommended	13,123	49.0	1,140	45.6	91	50.8	396	32.7	486	46.6	2,550	41.5	7	36.8	17,793	46.8
n.s.†	141	0.5	13	0.5	3	1.7	5	0.4	2	0.2	46	0.7	6	31.6	341	0.9
Total	26,777	100	2,502	100	179	100	1,212	100	1,044	100	6,148	100	19	100	38,006	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,

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Table 9. Number and Percent of Births by Age-group of Mother by Population Group, Kansas, 2015

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	5	0.0	4	0.2	0	0.0	0	0.0	2	0.2	3	0.0	0	0.0	14	0.0
15-17	260	0.9	66	2.6	4	2.2	5	0.4	22	2.0	217	3.4	0	0.0	574	1.5
18-19	1,116	4.0	175	6.8	13	7.0	25	2.0	83	7.7	490	7.8	0	0.0	1,902	4.9
20-24	5,953	21.5	887	34.3	72	38.9	137	11.0	350	32.5	1,862	29.6	3	13.0	9,264	23.7
25-29	9,155	33.0	686	26.5	56	30.3	381	30.5	317	29.5	1,741	27.7	6	26.1	12,342	31.5
30-34	7,797	28.1	509	19.7	22	11.9	475	38.0	209	19.4	1,231	19.6	5	21.7	10,248	26.2
35-39	2,910	10.5	215	8.3	13	7.0	191	15.3	80	7.4	597	9.5	6	26.1	4,012	10.3
40-44	493	1.8	42	1.6	5	2.7	34	2.7	10	0.9	142	2.3	1	4.3	727	1.9
45 and above	27	0.1	1	0.0	0	0.0	2	0.2	3	0.3	7	0.1	0	0.0	40	0.1
n.s.*	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	8.7	3	0.0
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

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Source: Kansas Department of Health and Environment,

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Table 10. Number and Percent of Births by Trimester Prenatal Care Began by Population Group, Kansas, 2015

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	23,484	84.7	1,882	72.8	127	68.6	1,043	83.4	815	75.7	4,461	70.9	14	60.9	31,826	81.3
Second Trimester	3,362	12.1	518	20.0	44	23.8	162	13.0	200	18.6	1,373	21.8	3	13.0	5,662	14.5
Third Trimester	590	2.1	128	5.0	8	4.3	34	2.7	44	4.1	317	5.0	1	4.3	1,122	2.9
No Prenatal Care	153	0.6	45	1.7	4	2.2	7	0.6	9	0.8	96	1.5	3	13.0	317	0.8
n.s.*	128	0.5	12	0.5	2	1.1	4	0.3	8	0.7	43	0.7	2	8.7	199	0.5
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

Source: Kansas Department of Health and Environment,

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Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2015

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	133	0.5	3	0.1	0	0.0	0	0.0	6	0.6	2	0.0	0	0.0	144	0.4
Anderson	82	0.3	0	0.0	0	0.0	1	0.1	0	0.0	1	0.0	0	0.0	84	0.2
Atchison	181	0.7	7	0.3	2	1.1	2	0.2	7	0.7	9	0.1	0	0.0	208	0.5
Barber	54	0.2	0	0.0	1	0.5	0	0.0	0	0.0	4	0.1	0	0.0	59	0.2
Barton	253	0.9	2	0.1	2	1.1	1	0.1	6	0.6	98	1.6	0	0.0	362	0.9
Bourbon	196	0.7	4	0.2	0	0.0	1	0.1	5	0.5	5	0.1	0	0.0	211	0.5
Brown	109	0.4	1	0.0	16	8.6	1	0.1	1	0.1	5	0.1	0	0.0	133	0.3
Butler	662	2.4	14	0.5	2	1.1	15	1.2	12	1.1	39	0.6	0	0.0	744	1.9
Chase	23	0.1	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	24	0.1
Chautauqua	37	0.1	0	0.0	3	1.6	0	0.0	2	0.2	0	0.0	0	0.0	42	0.1
Cherokee	225	0.8	0	0.0	5	2.7	1	0.1	12	1.1	9	0.1	0	0.0	252	0.6
Cheyenne	32	0.1	0	0.0	0	0.0	0	0.0	2	0.2	5	0.1	0	0.0	39	0.1
Clark	21	0.1	0	0.0	0	0.0	1	0.1	0	0.0	3	0.0	0	0.0	25	0.1
Clay	84	0.3	0	0.0	1	0.5	1	0.1	2	0.2	1	0.0	0	0.0	89	0.2
Cloud	117	0.4	0	0.0	1	0.5	1	0.1	3	0.3	5	0.1	0	0.0	127	0.3
Coffey	74	0.3	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	76	0.2
Comanche	14	0.1	0	0.0	0	0.0	1	0.1	0	0.0	6	0.1	0	0.0	21	0.1
Cowley	339	1.2	4	0.2	3	1.6	13	1.0	17	1.6	69	1.1	0	0.0	445	1.1
Crawford	401	1.4	13	0.5	2	1.1	9	0.7	14	1.3	38	0.6	0	0.0	477	1.2
Decatur	28	0.1	2	0.1	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	34	0.1
Dickinson	213	0.8	0	0.0	0	0.0	3	0.2	8	0.7	12	0.2	0	0.0	236	0.6
Doniphan	92	0.3	0	0.0	0	0.0	0	0.0	2	0.2	3	0.0	0	0.0	97	0.2
Douglas	1,004	3.6	50	1.9	29	15.7	95	7.6	50	4.6	97	1.5	2	8.7	1,327	3.4
Edwards	24	0.1	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1	0	0.0	29	0.1
Elk	18	0.1	0	0.0	1	0.5	0	0.0	0	0.0	2	0.0	0	0.0	21	0.1
Ellis	316	1.1	3	0.1	2	1.1	7	0.6	5	0.5	31	0.5	0	0.0	364	0.9
Ellsworth	62	0.2	0	0.0	0	0.0	1	0.1	1	0.1	1	0.0	0	0.0	65	0.2
Finney	229	0.8	19	0.7	3	1.6	17	1.4	17	1.6	440	7.0	0	0.0	725	1.9
Ford	196	0.7	25	1.0	0	0.0	5	0.4	1	0.1	422	6.7	0	0.0	649	1.7
Franklin	282	1.0	3	0.1	0	0.0	2	0.2	9	0.8	23	0.4	1	4.3	320	0.8

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2015

County	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*		TOTAL	
Geary	660	2.4	168	6.5	10	5.4	45	3.6	55	5.1	176	2.8	4	17.4	1,118	2.9
Gove	34	0.1	0	0.0	0	0.0	1	0.1	0	0.0	2	0.0	0	0.0	37	0.1
Graham	20	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	21	0.1
Grant	53	0.2	0	0.0	0	0.0	0	0.0	0	0.0	68	1.1	0	0.0	121	0.3
Gray	61	0.2	0	0.0	0	0.0	0	0.0	0	0.0	20	0.3	0	0.0	81	0.2
Greeley	11	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1	0	0.0	16	0.0
Greenwood	62	0.2	0	0.0	1	0.5	2	0.2	3	0.3	1	0.0	0	0.0	69	0.2
Hamilton	22	0.1	0	0.0	0	0.0	0	0.0	0	0.0	12	0.2	0	0.0	34	0.1
Harper	70	0.3	0	0.0	0	0.0	0	0.0	2	0.2	8	0.1	0	0.0	80	0.2
Harvey	330	1.2	6	0.2	1	0.5	9	0.7	8	0.7	57	0.9	0	0.0	411	1.1
Haskell	36	0.1	0	0.0	0	0.0	0	0.0	0	0.0	20	0.3	0	0.0	56	0.1
Hodgeman	13	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	14	0.0
Jackson	129	0.5	1	0.0	18	9.7	1	0.1	10	0.9	13	0.2	0	0.0	172	0.4
Jefferson	176	0.6	0	0.0	1	0.5	0	0.0	4	0.4	3	0.0	0	0.0	184	0.5
Jewell	29	0.1	0	0.0	0	0.0	1	0.1	0	0.0	1	0.0	0	0.0	31	0.1
Johnson	5,864	21.2	412	15.9	15	8.1	430	34.4	149	13.8	657	10.4	1	4.3	7,528	19.2
Kearny	37	0.1	0	0.0	0	0.0	0	0.0	1	0.1	25	0.4	0	0.0	63	0.2
Kingman	91	0.3	0	0.0	0	0.0	3	0.2	2	0.2	2	0.0	0	0.0	98	0.3
Kiowa	33	0.1	0	0.0	0	0.0	1	0.1	0	0.0	3	0.0	0	0.0	37	0.1
Labette	225	0.8	8	0.3	2	1.1	1	0.1	9	0.8	11	0.2	1	4.3	257	0.7
Lane	13	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	0.0
Leavenworth	811	2.9	90	3.5	1	0.5	13	1.0	36	3.3	61	1.0	1	4.3	1,013	2.6
Lincoln	26	0.1	0	0.0	1	0.5	0	0.0	1	0.1	0	0.0	0	0.0	28	0.1
Linn	104	0.4	1	0.0	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	109	0.3
Logan	33	0.1	0	0.0	0	0.0	1	0.1	1	0.1	8	0.1	0	0.0	43	0.1
Lyon	272	1.0	4	0.2	1	0.5	8	0.6	22	2.0	108	1.7	1	4.3	416	1.1
McPherson	299	1.1	2	0.1	0	0.0	8	0.6	5	0.5	22	0.3	0	0.0	336	0.9
Marion	101	0.4	0	0.0	0	0.0	0	0.0	3	0.3	5	0.1	0	0.0	109	0.3
Marshall	130	0.5	1	0.0	0	0.0	1	0.1	2	0.2	4	0.1	0	0.0	138	0.4
Meade	52	0.2	1	0.0	0	0.0	0	0.0	1	0.1	14	0.2	0	0.0	68	0.2
Miami	334	1.2	5	0.2	0	0.0	2	0.2	5	0.5	8	0.1	0	0.0	354	0.9

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2015

County	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*	TOTAL		
Mitchell	70	0.3	0	0.0	2	1.1	0	0.0	0	0.0	5	0.1	0	0.0	77	0.2
Montgomery	335	1.2	34	1.3	11	5.9	3	0.2	19	1.8	45	0.7	0	0.0	447	1.1
Morris	48	0.2	0	0.0	0	0.0	2	0.2	1	0.1	3	0.0	0	0.0	54	0.1
Morton	13	0.0	0	0.0	0	0.0	1	0.1	0	0.0	10	0.2	0	0.0	24	0.1
Nemaha	134	0.5	1	0.0	0	0.0	1	0.1	0	0.0	10	0.2	0	0.0	146	0.4
Neosho	177	0.6	2	0.1	0	0.0	3	0.2	1	0.1	6	0.1	0	0.0	189	0.5
Ness	26	0.1	0	0.0	0	0.0	0	0.0	0	0.0	7	0.1	0	0.0	33	0.1
Norton	56	0.2	1	0.0	0	0.0	0	0.0	1	0.1	3	0.0	0	0.0	61	0.2
Osage	141	0.5	1	0.0	1	0.5	3	0.2	5	0.5	7	0.1	0	0.0	158	0.4
Osborne	46	0.2	0	0.0	1	0.5	0	0.0	1	0.1	1	0.0	0	0.0	49	0.1
Ottawa	58	0.2	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	0	0.0	60	0.2
Pawnee	54	0.2	2	0.1	0	0.0	0	0.0	2	0.2	8	0.1	1	4.3	67	0.2
Phillips	45	0.2	0	0.0	0	0.0	3	0.2	1	0.1	1	0.0	0	0.0	50	0.1
Pottawatomie	324	1.2	1	0.0	1	0.5	5	0.4	14	1.3	17	0.3	0	0.0	362	0.9
Pratt	122	0.4	0	0.0	0	0.0	3	0.2	1	0.1	16	0.3	0	0.0	142	0.4
Rawlins	24	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	26	0.1
Reno	548	2.0	18	0.7	2	1.1	3	0.2	22	2.0	90	1.4	0	0.0	683	1.7
Republic	44	0.2	0	0.0	0	0.0	1	0.1	3	0.3	1	0.0	0	0.0	49	0.1
Rice	105	0.4	1	0.0	0	0.0	0	0.0	4	0.4	22	0.3	0	0.0	132	0.3
Riley	741	2.7	73	2.8	1	0.5	65	5.2	28	2.6	106	1.7	3	13.0	1,017	2.6
Rooks	55	0.2	0	0.0	0	0.0	1	0.1	0	0.0	2	0.0	0	0.0	58	0.1
Rush	34	0.1	0	0.0	0	0.0	0	0.0	2	0.2	1	0.0	0	0.0	37	0.1
Russell	70	0.3	0	0.0	0	0.0	0	0.0	2	0.2	2	0.0	0	0.0	74	0.2
Saline	546	2.0	17	0.7	3	1.6	14	1.1	24	2.2	125	2.0	0	0.0	729	1.9
Scott	40	0.1	0	0.0	0	0.0	0	0.0	0	0.0	11	0.2	0	0.0	51	0.1
Sedgwick	4,686	16.9	766	29.6	20	10.8	290	23.2	176	16.4	1,344	21.4	2	8.7	7,284	18.6
Seward	84	0.3	21	0.8	1	0.5	7	0.6	5	0.5	310	4.9	0	0.0	428	1.1
Shawnee	1,511	5.5	201	7.8	13	7.0	45	3.6	116	10.8	380	6.0	3	13.0	2,269	5.8
Sheridan	26	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	28	0.1
Sherman	64	0.2	0	0.0	0	0.0	1	0.1	2	0.2	17	0.3	0	0.0	84	0.2
Smith	49	0.2	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	50	0.1

Table 11. Number and Percent of Births by County of Residence by Population Group, Kansas, 2015

County	White NH		Black NH		American Indian- Alaska Native NH		Asian-PI NH		Multi Race- Other NH		Hispanic-Any Race		n.s.*	TOTAL		
Stafford	46	0.2	0	0.0	0	0.0	0	0.0	0	0.0	9	0.1	0	0.0	55	0.1
Stanton	20	0.1	0	0.0	0	0.0	0	0.0	0	0.0	19	0.3	0	0.0	39	0.1
Stevens	35	0.1	1	0.0	1	0.5	1	0.1	0	0.0	39	0.6	0	0.0	77	0.2
Sumner	269	1.0	4	0.2	1	0.5	1	0.1	3	0.3	12	0.2	0	0.0	290	0.7
Thomas	97	0.3	2	0.1	0	0.0	0	0.0	0	0.0	8	0.1	0	0.0	107	0.3
Trego	42	0.2	0	0.0	0	0.0	0	0.0	2	0.2	2	0.0	0	0.0	46	0.1
Wabaunsee	86	0.3	0	0.0	0	0.0	0	0.0	1	0.1	3	0.0	0	0.0	90	0.2
Wallace	16	0.1	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	20	0.1
Washington	78	0.3	0	0.0	0	0.0	0	0.0	0	0.0	8	0.1	0	0.0	86	0.2
Wichita	14	0.1	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1	0	0.0	20	0.1
Wilson	94	0.3	0	0.0	1	0.5	0	0.0	1	0.1	2	0.0	0	0.0	98	0.3
Woodson	28	0.1	1	0.0	0	0.0	0	0.0	1	0.1	1	0.0	0	0.0	31	0.1
Wyandotte	982	3.5	588	22.7	2	1.1	91	7.3	133	12.4	964	15.3	3	13.0	2,763	7.1
n.s.*	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	100

*n.s. = not stated

Residence data

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

Created July 20, 2016

Table 12. Number and Percent of Births by Presence of Medical Risks to the Mother During Pregnancy by Population Group
Kansas, 2015

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	175	1.2	24	1.7	2	1.2	6	1.3	12	2.1	57	2.2	0	0.0	276	1.4
Gestational Diabetes	1,371	9.7	108	7.5	20	11.8	122	26.6	66	11.4	460	17.7	3	16.7	2,150	11.1
Pre-pregnancy Hypertension	385	2.7	62	4.3	7	4.1	4	0.9	15	2.6	74	2.8	0	0.0	547	2.8
Pre-eclampsia	1,730	12.3	172	11.9	17	10.1	44	9.6	58	10.0	285	11.0	2	11.1	2,308	11.9
Eclampsia	66	0.5	7	0.5	1	0.6	2	0.4	4	0.7	13	0.5	0	0.0	93	0.5
Previous Pre-term Birth	724	5.1	78	5.4	9	5.3	22	4.8	37	6.4	148	5.7	3	16.7	1,021	5.3
Previous Poor Pregnancy Outcome	594	4.2	37	2.6	10	5.9	23	5.0	22	3.8	110	4.2	0	0.0	796	4.1
Vaginal Bleeding	261	1.9	21	1.5	2	1.2	15	3.3	11	1.9	50	1.9	3	16.7	363	1.9
Previous C-Section	3,975	28.2	410	28.4	36	21.3	153	33.3	137	23.7	904	34.8	2	11.1	5,617	29.0
Infertility Treatment	382	2.7	4	0.3	0	0.0	14	3.1	5	0.9	25	1.0	2	11.1	432	2.2
Infections Contracted or Treated During Pregnancy†	895	6.4	201	13.9	12	7.1	36	7.8	51	8.8	213	8.2	1	5.6	1,409	7.3
Smoking During Pregnancy	3,489	24.8	314	21.8	52	30.8	17	3.7	160	27.7	261	10.0	1	5.6	4,294	22.2
Alcohol Use During Pregnancy	29	0.2	4	0.3	1	0.6	1	0.2	0	0.0	1	0.0	1	5.6	37	0.2
Total Births	14,076	100	1,442	100	169	100	459	100	578	100	2,601	100	18	100	19,343	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

Created July 22, 2016

Table 13. Number and Percent of Births With and Without Poor Birth Outcomes* by Population Group, Kansas, 2015

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	4,137	14.9	522	20.2	34	18.4	214	17.1	181	16.8	881	14.0	5	21.7	5,974	15.3
No	23,580	85.1	2,063	79.8	151	81.6	1,036	82.9	895	83.2	5,409	86.0	18	78.3	33,152	84.7
Total	27,717	100	2,585	100	185	100	1,250	100	1,076	100	6,290	100	23	100	39,126	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

Created July 22, 2016

Table 14. Number and Percent of Births with Poor Birth Outcomes* at Mother's Level of Education by Population Group
 Kansas, 2015

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	34	0.8	10	1.9	0	0.0	6	2.8	14	7.7	97	11.0	0	0.0	161	2.7
9-12 Grade, No Diploma	308	7.4	90	17.2	6	17.6	5	2.3	26	14.4	214	24.3	0	0.0	649	10.9
H.S. or GED	923	22.3	192	36.8	12	35.3	32	15.0	46	25.4	270	30.6	0	0.0	1,475	24.7
Some College, No Degree	981	23.7	138	26.4	8	23.5	36	16.8	50	27.6	173	19.6	0	0.0	1,386	23.2
Associate Degree	439	10.6	35	6.7	3	8.8	7	3.3	9	5.0	41	4.7	0	0.0	534	8.9
Bachelor's Degree	965	23.3	47	9.0	4	11.8	64	29.9	28	15.5	63	7.2	1	0.0	1,172	19.6
Master's Degree	379	9.2	7	1.3	1	2.9	48	22.4	6	3.3	15	1.7	0	0.0	456	7.6
Doctorate	100	2.4	2	0.4	0	0.0	15	7.0	2	1.1	1	0.1	0	0.0	120	2.0
n.s.†	8	0.2	1	0.2	0	0.0	1	0.5	0	0.0	7	0.8	4	0.0	21	0.4
Total	4,137	100	522	100	34	100	214	100	181	100	881	100	5	0	5,974	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

Created July 22, 2016

Table 15. Number and Percent of Births with Poor Birth Outcomes* by Primary Payor by Population Group Kansas, 2015

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	1,379	33.3	344	65.9	20	58.8	35	16.4	85	47.0	373	42.3	1	20.0	2,237	37.4
Private/employer Ins	2,435	58.9	137	26.2	10	29.4	144	67.3	59	32.6	254	28.8	3	60.0	3,042	50.9
Self-pay	99	2.4	17	3.3	1	2.9	18	8.4	15	8.3	193	21.9	0	0.0	343	5.7
Indian Health Service	1	0.0	0	0.0	1	2.9	0	0.0	1	0.6	0	0.0	0	0.0	3	0.1
Tricare	172	4.2	20	3.8	2	5.9	14	6.5	14	7.7	29	3.3	1	20.0	252	4.2
Other gov	13	0.3	0	0.0	0	0.0	2	0.9	2	1.1	8	0.9	0	0.0	25	0.4
Other	27	0.7	3	0.6	0	0.0	1	0.5	3	1.7	11	1.2	0	0.0	45	0.8
n.s.†	11	0.3	1	0.2	0	0.0	0	0.0	2	1.1	13	1.5	0	0.0	27	0.5
Total	4,137	100	522	100	34	100	214	100	181	100	881	100	5	100	5,974	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

Created July 22, 2016

Table 16. Number and Percent of Births with Poor Birth Outcomes* by Health Preparedness Region by Population Group, Kansas 2015

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	231	5.6	5	1.0	2	5.9	1	0.5	4	2.2	51	5.8	0	0.0	294	4.9
East Central Coalition	132	3.2	3	0.6	1	2.9	2	0.9	6	3.3	28	3.2	0	0.0	172	2.9
Ellis County	28	0.7	0	0.0	0	0.0	3	1.4	1	0.6	8	0.9	0	0.0	40	0.7
KC Mmetro Region	1,326	32.1	224	42.9	6	17.6	110	51.4	62	34.3	223	25.3	1	20.0	1,952	32.7
KS South-Central Metro Region	1,046	25.3	198	37.9	7	20.6	58	27.1	39	21.5	238	27.0	2	40.0	1,588	26.6
Lower 8 of SE Kansas	291	7.0	9	1.7	3	8.8	6	2.8	5	2.8	22	2.5	0	0.0	336	5.6
North Central Kansas	157	3.8	0	0.0	2	5.9	1	0.5	2	1.1	5	0.6	0	0.0	167	2.8
Northwest Bioterror	50	1.2	1	0.2	0	0.0	1	0.5	2	1.1	3	0.3	0	0.0	57	1.0
Northeast Corner	355	8.6	44	8.4	12	35.3	3	1.4	31	17.1	62	7.0	1	20.0	508	8.5
Rush County	8	0.2	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	9	0.2
South Central Coalition	52	1.3	0	0.0	0	0.0	1	0.5	1	0.6	2	0.2	0	0.0	56	0.9
South East Kansas Multi-County	75	1.8	2	0.4	0	0.0	0	0.0	4	2.2	1	0.1	0	0.0	82	1.4
Southwest Kansas Health Initiative	25	0.6	1	0.2	0	0.0	2	0.9	0	0.0	48	5.4	0	0.0	76	1.3
Southwest Surveillance	52	1.3	7	1.3	0	0.0	0	0.0	0	0.0	56	6.4	0	0.0	115	1.9
West Central Public Health	28	0.7	0	0.0	0	0.0	2	0.9	3	1.7	4	0.5	0	0.0	37	0.6
Western Pyramid	66	1.6	3	0.6	1	2.9	2	0.9	5	2.8	87	9.9	0	0.0	164	2.7
Wildcat Region	215	5.2	25	4.8	0	0.0	22	10.3	15	8.3	43	4.9	1	20.0	321	5.4
Total	4,137	100	522	100	34	100	214	100	181	100	881	100	5	100	5,974	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

Created July 22, 2016

Table 17. Number and Percent of Births with Poor Birth Outcomes* by Mother's Marital Status by Population Group
 Kansas, 2015

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	2,696	65.2	133	25.5	12	35.3	184	86.0	92	50.8	410	46.5	4	0.0	3,531	59.1
Not Married	1,441	34.8	389	74.5	22	64.7	30	14.0	89	49.2	470	53.3	0	0.0	2,441	40.9
n.s.†	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.0	2	0.0
Total	4,137	100	522	100	34	100	214	100	181	100	881	100	5	0.0	5,974	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

Created July 22, 2016

Table 18. Number and Percent of Births with Poor Birth Outcomes* by Adequacy of Prenatal Care by Population Group, Kansas, 2015

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	50.2	216	41.4	20	58.8	92	43.0	81	44.8	362	41.1	3	0.0	2,849	47.7
Adequate	1,448	35.0	188	36.0	10	29.4	89	41.6	50	27.6	296	33.6	0	0.0	2,081	34.8
Intermediate	209	5.1	42	8.0	0	0.0	18	8.4	14	7.7	56	6.4	1	0.0	340	5.7
Inadequate	363	8.8	74	14.2	4	11.8	14	6.5	34	18.8	160	18.2	1	0.0	650	10.9
n.s.†	42	1.0	2	0.4	0	0.0	1	0.5	2	1.1	7	0.8	0	0.0	54	0.9
Total	4,137	100	522	100	34	100	214	100	181	100	881	100	5	0.0	5,974	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

Created July 22, 2016

Table 19. Number and Percent of Births with Poor Birth Outcomes by WIC Participation by Population Group, Kansas, 2015*

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	1,199	29.0	306	58.6	21	61.8	42	19.6	86	47.5	507	57.5	0	0.0	2,161	36.2
No	2,931	70.8	216	41.4	12	35.3	172	80.4	94	51.9	373	42.3	5	100.0	3,803	63.7
n.s.†	7	0.2	0	0.0	1	2.9	0	0.0	1	0.6	1	0.1	0	0.0	10	0.2
Total	4,137	100	522	100	34	100	214	100	181	100	881	100	5	100	5,974	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

Created July 22, 2016

Table 20. Number and Percent of Births with Poor Birth Outcomes* by Mother's Age by Population Group
 Kansas, 2015

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	1	0.0	1	0.2	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	3	0.1
15-17	44	1.1	17	3.3	0	0.0	0	0.0	2	1.1	46	5.2	0	0.0	109	1.8
18-19	180	4.4	39	7.5	3	8.8	5	2.3	12	6.6	74	8.4	0	0.0	313	5.2
20-24	912	22.0	155	29.7	9	26.5	23	10.7	77	42.5	234	26.6	1	0.0	1,411	23.6
25-29	1,282	31.0	147	28.2	11	32.4	72	33.6	42	23.2	229	26.0	1	0.0	1,784	29.9
30-34	1,118	27.0	105	20.1	7	20.6	83	38.8	27	14.9	180	20.4	1	0.0	1,521	25.5
35-39	489	11.8	48	9.2	2	5.9	26	12.1	16	8.8	96	10.9	0	0.0	677	11.3
40-44	101	2.4	10	1.9	2	5.9	5	2.3	2	1.1	21	2.4	0	0.0	141	2.4
45 and above	9	0.2	0	0.0	0	0.0	0	0.0	2	1.1	1	0.1	0	0.0	12	0.2
n.s.†	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	40.0	3	0.1
Total	4,137	100	522	100	34	100	214	100	181	100	881	100	5	0.0	5,974	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

Created July 22, 2016

Table 21. Number and Percent of Births with Poor Birth Outcomes* by Infant's Birth Weight in Grams by Population Group, Kansas, 2015

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	32	0.8	11	2.1	0	0.0	3	1.4	3	1.7	9	1.0	0	0.0	58	1.0
500-999	110	2.7	27	5.2	0	0.0	5	2.3	5	2.8	25	2.8	3	60.0	175	2.9
1000-1499	163	3.9	41	7.9	1	2.9	6	2.8	10	5.5	34	3.9	0	0.0	255	4.3
1500-1999	312	7.5	69	13.2	3	8.8	17	7.9	12	6.6	70	7.9	0	0.0	483	8.1
2000-2499	1,194	28.9	162	31.0	5	14.7	63	29.4	56	30.9	232	26.3	0	0.0	1,712	28.7
2500-2999	956	23.1	101	19.3	8	23.5	52	24.3	45	24.9	237	26.9	1	20.0	1,400	23.4
3000-3499	741	17.9	66	12.6	8	23.5	48	22.4	29	16.0	153	17.4	1	20.0	1,046	17.5
3500-3999	461	11.1	31	5.9	5	14.7	19	8.9	16	8.8	86	9.8	0	0.0	618	10.3
4000-4499	139	3.4	11	2.1	3	8.8	1	0.5	5	2.8	26	3.0	0	0.0	185	3.1
4500-4999	26	0.6	3	0.6	1	2.9	0	0.0	0	0.0	7	0.8	0	0.0	37	0.6
5000 and over	3	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	5	0.1
All	4,137	100	522	100	34	100	214	100	181	100	881	100	5	100	5,974	100

*See Technical Notes for definition of poor birth outcomes

†n.s. = not stated

Residence data

Source: Kansas Department of Health and Environment,
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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, 2014 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 pound times 703, and dividing by their height in inches squared.