



Natality Report by Racial and Ethnic Population Groups, Kansas, 2021

Kansas Department of Health and Environment

Division of Public Health

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“Remember to see the faces in the numbers.”

---Anonymous

Our Vision – Healthy Kansans living in safe and sustainable environments.

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

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Executive Summary

In 2021, a total of 34,697 live births occurred to Kansas residents. Of these births, 5,948 (17.1%) met criteria to be characterized as poor outcomes (see Technical Notes section for definitions). The year prior in 2020 had a total of 34,368 live births and 5,937 of those met criteria to be considered poor outcomes. Out of a total of 23,965 births to White non-Hispanic mothers in 2021, 4,020 (16.8%) were poor outcomes. Black non-Hispanic mothers had a total of 2,280 births and 552 (24.2%) births had poor outcomes. American Indian or Alaska Native mothers had a total of 180 births, and 32 (17.8%) had poor outcomes. Births to Asian/-Pacific Islander non-Hispanic mothers totaled 1,080 births, and of these, 195 (19.7%) were considered poor outcomes. Multi Race-Other non-Hispanic mothers had a total of 990 births, and 179 (18.1%) of these were poor outcomes. For Hispanic mothers of any race, the total number of births was 6,114 with 955 (15.6%) being poor outcomes. For mothers where the race was unstated, a total of 88 births occurred and 15 (17.0%) were poor outcomes. In total, for all population groups 17.1% of births in 2021 were a poor outcome, and 82.9% of births were not.

Introduction

The mission of the Kansas Department of Health and Environment is to “protect and improve the health and environment of all Kansans.” An important aspect of promoting this mission is supporting healthy pregnancies and positive birth outcomes, for the benefit of women, children, and families.

With that mission in mind, the purpose of this report is to present statistics for Kansas 2021 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 for delivery, 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. The data can be used to recognize and track trends affecting mother and infant, across different age groups and population groups.

Healthy People 2030 Goals

Nationwide health goals have been set to be achieved by the end of the decade, called Healthy People 2030 (HP2030). Healthy People 2030’s mission is “To promote, strengthen, and evaluate the nation’s efforts to improve the health and well-being of all people.” A few of these goals can benefit from data in this report to measure Kansas’ progress in meeting these goals. These include reducing premature births, increasing the proportion of women who had a healthy weight prior to pregnancy, and increasing the proportion of pregnant women receiving early and adequate prenatal care.

The first of these selected goals is reducing premature births. Births before 37 weeks are considered premature. Infants born premature have a higher risk of infection, developmental problems, and a higher risk of death. Preterm births are more common in some racial and ethnic groups, but rates of preterm birth have been on the rise for women of all races.¹ Rates are typically highest for two groups: Black and American Indian/Alaska Native infants. According to the March of Dimes, “Black and Native American mothers are 62% more likely to have preterm births and their infants are twice as likely to die as compared to White women.” Tables 13 and 14 display the number and percent of singleton births by weeks gestation and population group, where Table 14 shows the information for poor birth outcomes only.

The second of these goals is increasing the proportion of women delivering a live birth who had a healthy weight prior to pregnancy. Obesity during pregnancy is linked to numerous health concerns for both mother and infant. These include: gestational hypertension, preeclampsia, gestational diabetes mellitus, delivery of large for gestational age infants, and a higher occurrence of congenital defects of the newborn.² These conditions can include neural tube defects and heart defects.³ The American College of Obstetricians and Gynecologists defines obesity as a body mass index (BMI) over 30. Table 17 displays a mother’s weight gain during pregnancy, categorized based on pre-pregnancy BMI. Definitions for the categories can

be seen below in Figure 1. In the SAS code utilized for reporting, the BMI categories of “Low, Normal, High, and Obese” were used. The Centers for Disease Control (CDC) separates BMI values into different categories based on ranges. Underweight or low BMI is a value under 18.5. The healthy weight or normal BMI ranges from 18.5 to <25. Next, overweight, or high BMI is 25.0-<30. A BMI over 30 is considered obese.⁴

Weight Gain category	Definition
Less than recommended	Less weight than the recommended amount was gained for their BMI
Recommended	The recommended amount of weight was gained for their BMI
More than recommended	More weight than the recommended amount was gained for their BMI
Not stated (n.s.)	No data

Figure 1. Definitions for the categories seen in Table 17.

The third goal is to increase the proportion of pregnant women receiving early and adequate prenatal care (see technical notes for definition of adequate prenatal care). This helps to prevent and treat health problems in both mothers and infants.⁵ Adequacy of prenatal care is measured by the Adequacy of Prenatal Care Utilization Index or Kotelchuck Index. This index has criteria that distinguishes utilization of prenatal care with two distinct dimensions: adequacy of initiation of prenatal care (characterized as the trimester prenatal care began) and adequacy of utilization of received services (measured by number of prenatal visits).⁶ Tables 11 and 12 of this report display the number and percentages of single births by adequacy of prenatal care by population group, and the latter displays this information further broken down to only those with poor outcomes.

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). Statistical tabulations were prepared using SAS statistical software, version 9.4. Some of the information in this report is also included in the Kansas Annual Summary of Vital Statistics, 2021.

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. Non-Hispanic may be abbreviated in tables or this report as NH. 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).

Limitations

In instances where the Hispanic origin of an individual was unknown, the person was assigned to a population group solely based on race and was considered non-Hispanic. For non-Hispanic individuals when more than one race was selected, i.e., Black and White, the race 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. If 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.

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Tables

Table 1. Number and Percent of Total Births with and without Poor Birth Outcomes* by Population Group, Kansas, 2021 †

Poor Outcome	Population 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	%
Yes	4,020	16.8	552	24.2	32	17.8	195	19.7	179	18.1	955	15.6	15	17.0	5,948	17.1
No	19,945	83.2	1,728	75.8	148	82.2	885	80.3	811	81.9	5,159	84.4	73	83.0	28,749	82.9
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = not stated

Table 2. Number and Percent of Births by County of Residence by Population Group, Kansas, 2021*

County	Population 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	%
Allen	120	0.5	0	0.0	1	0.6	1	0.1	1	0.1	1	0.0	0	0.0	124	0.4
Anderson	102	0.4	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	103	0.3
Atchison	154	0.6	8	0.4	0	0.0	2	0.2	6	0.6	8	0.1	0	0.0	178	0.5
Barber	34	0.1	1	0.0	0	0.0	0	0.0	0	0.0	5	0.1	0	0.0	40	0.1
Barton	243	1.0	3	0.1	3	1.7	1	0.1	3	0.3	63	1.0	0	0.0	316	0.9
Bourbon	178	0.7	3	0.1	0	0.0	1	0.1	4	0.4	9	0.1	3	3.4	198	0.6
Brown	89	0.4	2	0.1	10	5.6	1	0.1	6	0.6	9	0.1	0	0.0	117	0.3
Butler	672	2.8	7	0.3	2	1.1	17	1.6	15	1.5	24	0.4	1	1.1	738	2.1
Chase	33	0.1	0	0.0	0	0.0	0	0.0	1	0.1	1	0.0	0	0.0	35	0.1
Chautauqua	21	0.1	0	0.0	0	0.0	0	0.0	2	0.2	1	0.0	1	1.1	25	0.1
Cherokee	184	0.8	2	0.1	6	3.3	2	0.2	8	0.8	6	0.1	0	0.0	208	0.6
Cheyenne	34	0.1	0	0.0	0	0.0	0	0.0	1	0.1	2	0.0	0	0.0	37	0.1
Clark	18	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	20	0.1
Clay	75	0.3	2	0.1	0	0.0	1	0.1	0	0.0	1	0.0	0	0.0	79	0.2
Cloud	97	0.4	0	0.0	0	0.0	0	0.0	3	0.3	4	0.1	0	0.0	104	0.3
Coffey	67	0.3	0	0.0	0	0.0	1	0.1	2	0.2	0	0.0	0	0.0	70	0.2
Comanche	16	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	17	0.0
Cowley	303	1.3	10	0.4	10	5.6	8	0.7	8	0.8	69	1.1	0	0.0	408	1.2
Crawford	366	1.5	16	0.7	7	3.9	6	0.6	20	2.0	54	0.9	0	0.0	469	1.4
Decatur	28	0.1	0	0.0	1	0.6	0	0.0	0	0.0	5	0.1	0	0.0	34	0.1
Dickinson	159	0.7	2	0.1	1	0.6	0	0.0	3	0.3	16	0.3	0	0.0	181	0.5
Doniphan	78	0.3	0	0.0	2	1.1	1	0.1	4	0.1	3	0.0	0	0.0	88	0.3
Douglas	791	3.3	48	2.1	22	12.2	43	4.0	50	5.1	101	1.7	5	5.7	1,060	3.1
Edwards	23	0.1	0	0.0	0	0.0	0	0.0	2	0.2	4	0.1	0	0.0	29	0.1
Elk	16	0.1	0	0.0	2	1.1	0	0.0	0	0.0	1	0.0	0	0.0	19	0.1
Ellis	236	1.0	2	0.1	0	0.0	3	0.3	4	0.4	25	0.4	0	0.0	270	0.8
Ellsworth	50	0.2	1	0.0	0	0.0	0	0.0	1	0.1	2	0.0	0	0.0	54	0.2
Finney	153	0.6	26	1.1	1	0.6	17	1.6	11	1.1	344	5.6	0	0.0	552	1.6
Ford	133	0.6	13	0.6	2	1.1	4	0.4	6	0.6	433	7.1	1	1.1	592	1.7
Franklin	259	1.1	2	0.1	0	0.0	3	0.3	6	0.6	14	0.2	0	0.0	284	0.8
Geary	510	2.1	167	7.3	11	6.1	35	3.2	41	4.1	172	2.8	0	0.0	936	2.7

Table 2. Number and Percent of Births by County of Residence by Population Group, Kansas, 2021*

County	Population 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	%
Gove	30	0.1	0	0.0	0	0.0	1	0.1	0	0.0	1	0.0	0	0.0	32	0.1
Graham	23	0.1	0	0.0	0	0.0	0	0.0	1	0.1	2	0.0	0	0.0	26	0.1
Grant	50	0.2	0	0.0	0	0.0	0	0.0	0	0.0	66	1.1	0	0.0	116	0.3
Gray	70	0.3	0	0.0	0	0.0	0	0.0	1	0.1	11	0.2	0	0.0	82	0.2
Greeley	14	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	1	2.1	16	0.0
Greenwood	45	0.2	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	49	0.1
Hamilton	19	0.1	0	0.0	0	0.0	0	0.0	0	0.0	26	0.4	0	0.0	45	0.1
Harper	64	0.3	0	0.0	0	0.0	1	0.1	3	0.3	8	0.1	0	0.0	76	0.2
Harvey	266	1.1	7	0.3	1	0.6	1	0.1	6	0.6	59	1.0	0	0.0	340	1.0
Haskell	36	0.2	0	0.0	0	0.0	0	0.0	0	0.0	21	0.3	0	0.0	57	0.2
Hodgeman	5	0.0	2	0.1	0	0.0	0	0.0	2	0.2	2	0.0	0	0.0	11	0.0
Jackson	133	0.6	0	0.0	16	8.9	1	0.1	12	1.2	15	0.2	0	0.0	176	0.5
Jefferson	149	0.6	0	0.0	0	0.0	2	0.2	4	0.4	2	0.0	0	0.0	157	0.5
Jewell	32	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	33	0.1
Johnson	5,125	21.4	385	16.9	14	7.8	463	42.9	183	18.5	800	13.1	44	50.0	7,014	20.2
Kearny	38	0.2	1	0.0	1	0.6	0	0.0	0	0.0	30	0.5	0	0.0	70	0.2
Kingman	76	0.3	1	0.0	0	0.0	1	0.1	0	0.0	1	0.0	0	0.0	79	0.2
Kiowa	25	0.1	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	28	0.1
Labette	205	0.9	5	0.2	1	0.6	1	0.1	9	0.9	9	0.1	1	1.1	231	0.7
Lane	15	0.1	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	18	0.1
Leavenworth	740	3.1	62	2.7	1	0.6	17	1.6	26	2.6	62	1.0	3	3.4	911	2.6
Lincoln	27	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	29	0.1
Linn	87	0.4	0	0.0	0	0.0	2	0.2	0	0.0	1	0.0	0	0.0	90	0.3
Logan	29	0.1	0	0.0	0	0.0	0	0.0	1	0.1	5	0.1	0	0.0	35	0.1
Lyon	226	0.9	9	0.4	4	2.2	3	0.3	9	0.9	118	1.9	0	0.0	369	1.1
McPherson	294	1.2	4	0.2	0	0.0	1	0.1	8	0.8	18	0.3	0	0.0	325	0.9
Marion	103	0.4	0	0.0	2	1.1	0	0.0	3	0.3	5	0.1	1	1.1	114	0.3
Marshall	94	0.4	1	0.0	0	0.0	2	0.2	3	0.3	4	0.1	0	0.0	104	0.3
Meade	32	0.1	1	0.0	0	0.0	1	0.1	0	0.0	15	0.2	0	0.0	49	0.1
Miami	344	1.4	3	0.1	1	0.6	1	0.1	6	0.6	16	0.3	0	0.0	371	1.1
Mitchell	65	0.3	0	0.0	0	0.0	0	0.0	1	0.1	2	0.0	0	0.0	68	0.2

Table 2. Number and Percent of Births by County of Residence by Population Group, Kansas, 2021*

County	Population 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	%
Montgomery	255	1.1	18	0.8	7	3.9	1	0.1	21	2.1	45	0.7	0	0.0	347	1.0
Morris	51	0.2	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	52	0.1
Morton	19	0.1	0	0.0	0	0.0	0	0.0	1	0.1	9	0.1	0	0.0	29	0.1
Nemaha	116	0.5	0	0.0	0	0.0	0	0.0	2	0.2	8	0.1	0	0.0	126	0.4
Neosho	178	0.7	2	0.1	0	0.0	0	0.0	3	0.3	7	0.1	0	0.0	190	0.5
Ness	22	0.1	0	0.0	1	0.6	0	0.0	0	0.0	9	0.1	0	0.0	32	0.1
Norton	49	0.2	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	52	0.1
Osage	149	0.6	0	0.0	0	0.0	0	0.0	5	0.5	8	0.1	0	0.0	162	0.5
Osborne	34	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	35	0.1
Ottawa	58	0.2	2	0.1	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	61	0.2
Pawnee	46	0.2	0	0.0	0	0.0	1	0.1	2	0.2	11	0.2	0	0.0	60	0.2
Phillips	50	0.2	0	0.0	0	0.0	0	0.0	1	0.1	5	0.1	0	0.0	56	0.2
Pottawatomie	328	1.4	5	0.2	2	1.1	4	0.4	8	0.8	20	0.3	1	1.1	368	1.1
Pratt	100	0.4	0	0.0	0	0.0	1	0.1	1	0.1	12	0.2	0	0.0	114	0.3
Rawlins	21	0.1	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	25	0.1
Reno	535	2.2	9	0.4	1	0.6	3	0.3	23	2.3	92	1.5	0	0.0	663	1.9
Republic	57	0.2	0	0.0	1	0.6	0	0.0	1	0.1	0	0.0	0	0.0	59	0.2
Rice	91	0.4	0	0.0	1	0.6	0	0.0	3	0.3	8	0.1	0	0.0	103	0.3
Riley	500	2.1	58	2.5	4	2.2	34	3.1	43	4.3	85	1.4	1	1.1	725	2.1
Rooks	50	0.2	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	53	0.2
Rush	25	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	27	0.1
Russell	60	0.3	0	0.0	2	1.3	0	0.0	1	0.1	4	0.1	0	0.0	65	0.2
Saline	453	1.9	9	0.4	0	0.0	11	1.0	28	2.8	90	1.5	0	0.0	591	1.7
Scott	47	0.2	0	0.0	0	0.0	0	0.0	0	0.0	22	0.4	0	0.0	69	0.2
Sedgwick	4,151	17.3	729	32.0	19	10.6	219	20.3	187	18.9	1,207	19.7	1	1.1	6,513	18.8
Seward	65	0.3	6	0.3	2	1.1	8	0.7	3	0.3	306	5.0	0	0.0	390	1.1
Shawnee	1,199	5.0	180	7.9	11	6.1	39	3.6	103	10.4	418	6.8	7	8.0	1,957	5.6
Sheridan	24	0.1	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	28	0.1
Sherman	63	0.3	0	0.0	0	0.0	1	0.1	1	0.1	15	0.2	0	0.0	79	0.2
Smith	40	0.2	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	42	0.1
Stafford	31	0.1	0	0.0	0	0.0	1	0.6	0	0.0	10	0.2	0	0.0	42	0.1

Table 2. Number and Percent of Births by County of Residence by Population Group, Kansas, 2021*

County	Population 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	%
Stanton	8	0.0	0	0.0	0	0.0	1	0.1	0	0.0	8	0.1	0	0.0	16	0.0
Stevens	37	0.2	0	0.0	0	0.0	0	0.0	0	0.0	22	0.4	0	0.0	59	0.2
Sumner	206	0.9	1	0.0	1	0.6	2	0.2	4	0.4	6	0.1	0	0.0	220	0.6
Thomas	107	0.4	0	0.0	0	0.0	0	0.0	0	0.0	12	0.2	1	1.1	120	0.3
Trego	25	0.1	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	28	0.1
Wabaunsee	73	0.3	0	0.0	0	0.0	0	0.0	1	0.1	7	0.1	0	0.0	81	0.2
Wallace	23	0.1	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	24	0.1
Washington	74	0.3	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	0	0.0	77	0.2
Wichita	23	0.1	0	0.0	1	0.6	0	0.0	0	0.0	13	0.2	0	0.0	37	0.1
Wilson	75	0.4	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0	0	0.0	77	0.2
Woodson	25	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	25	0.1
Wyandotte	719	3.0	463	20.3	6	3.3	113	10.5	59	6.0	934	15.3	16	18.2	2,310	6.7
n.s. [†]	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	1	1.1	2	0.0
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

[†]n.s. = not stated

Table 3. Number and Percent of Births by Mother's Education Level by Population Group, Kansas, 2021*

Education of Mother	Population 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	%
8th Grade or Less	304	1.3	48	2.1	1	0.6	40	3.7	21	2.1	692	11.3	8	9.1	1,114	3.2
9-12 Grade, No Diploma	1,120	4.7	278	12.2	25	13.9	47	4.4	104	10.5	958	15.7	3	3.4	2,535	7.3
H.S. or GED	5,336	22.3	922	40.4	57	31.7	187	17.3	307	31.0	2,143	35.1	8	9.1	8,960	25.8
Some College, No Degree	4,154	17.3	551	24.2	43	23.9	109	10.1	222	22.4	1,087	17.8	6	6.8	6,172	17.8
Associate Degree	2,421	10.1	157	6.9	25	13.9	52	4.8	78	7.9	438	7.2	5	5.7	3,176	9.2
Bachelor's Degree	7,092	29.6	190	8.3	17	9.4	324	30.0	166	16.8	565	9.2	15	17.0	8,369	24.1
Master's Degree	2,642	11.0	93	4.1	8	4.4	226	20.9	61	6.2	133	2.2	5	5.7	3,168	9.1
Doctorate	820	3.4	23	1.0	3	1.7	80	7.4	25	2.5	40	0.7	2	2.3	993	2.9
n.s.†	76	0.3	18	0.8	1	0.6	15	1.4	6	0.6	58	0.9	36	40.9	210	0.6
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

†n.s. = not stated

Table 4. Number and Percent of Singleton Births with Poor Birth Outcomes* at Mother's Level of Education by Population Group, Kansas, 2021 †

Education of Mother	Population 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	%
8th Grade or Less	45	1.1	11	2.0	0	0.0	11	5.6	1	0.6	90	9.4	0	0.0	158	2.7
9-12 Grade, No Diploma	246	6.1	69	12.5	5	15.6	7	3.6	21	11.7	163	17.1	1	6.7	512	8.6
H.S. or GED	1,050	26.1	240	43.5	10	31.3	29	14.9	67	37.4	357	37.4	0	0.0	1,753	29.5
Some College, No Degree	733	18.2	130	23.6	5	15.6	23	11.8	39	21.8	175	18.3	1	6.7	1,106	18.6
Associate Degree	425	10.6	45	8.2	7	21.9	7	3.6	14	7.8	66	6.9	0	0.0	564	9.5
Bachelor's Degree	1,020	25.4	37	6.7	5	15.6	69	35.4	21	11.7	73	7.6	1	6.7	1,226	20.6
Master's Degree	384	9.6	12	2.2	0	0.0	36	18.5	10	5.6	18	1.9	1	6.7	461	7.8
Doctorate	106	2.6	5	0.9	0	0.0	12	6.2	5	2.8	5	0.5	0	0.0	133	2.2
n.s.‡	11	0.3	3	0.5	0	0.0	1	0.5	1	0.6	8	0.8	11	73.3	35	0.6
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = not stated

Table 5. Number and Percent of Births by Primary Payor by Population Group, Kansas, 2021*

Payor	Population 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	%
Medicaid	6,132	25.6	1,317	57.8	89	49.4	188	17.4	459	46.4	2,307	37.7	16	18.2	10,508	30.3
Private Insurance	15,292	63.8	649	28.5	61	33.9	744	68.9	397	40.1	2,132	34.9	38	43.2	19,313	55.7
Self-pay	1,028	4.3	70	3.1	4	2.2	52	4.8	44	4.4	1,017	16.6	9	10.2	2,224	6.4
Indian Health Service	6	0.0	1	0.0	13	7.2	0	0.0	5	0.5	1	0.0	0	0.0	26	0.1
Tricare	962	4.0	182	8.0	8	4.4	64	5.9	55	5.6	210	3.4	0	0.0	1,481	4.3
Other gov	146	0.6	20	0.9	2	1.1	5	0.5	8	0.8	50	0.8	0	0.0	231	0.7
Other	244	1.0	23	1.0	1	0.6	18	1.7	7	0.7	121	2.0	0	0.0	414	1.2
n.s. [†]	155	0.6	18	0.8	2	1.1	9	0.8	15	1.5	276	4.5	25	28.4	500	1.4
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

†n.s. = not stated

Table 6. Number and Percent of Singleton Births with Poor Birth Outcomes* by Primary Payor by Population Group, Kansas, 2021[†]

Payor	Population 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	%
Medicaid	1,246	31.0	350	63.4	13	40.6	40	20.5	95	53.1	404	42.3	2	13.3	2,150	36.1
Private/employer Ins	2,329	59.5	137	24.8	12	37.5	130	66.7	65	36.3	301	31.5	6	40.0	3,043	51.2
Self-pay	140	3.5	12	2.2	1	3.1	9	4.6	5	2.8	157	16.4	2	13.3	326	5.5
Indian Health Service	1	0.0	0	0.0	3	9.4	0	0.0	2	1.1	1	0.1	0	0.0	7	0.1
Tricare	137	3.4	41	7.4	2	6.3	8	4.1	7	3.9	38	4.0	0	0.0	233	3.9
Other gov	33	0.8	5	0.9	0	0.0	0	0.0	1	0.6	7	0.7	0	0.0	46	0.8
Other	50	1.2	4	0.7	0	0.0	6	3.1	1	0.6	15	1.6	0	0.0	76	1.3
n.s. [‡]	21	0.5	3	0.5	1	3.1	2	1.0	3	1.7	32	3.4	5	33.3	67	1.1
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = notstated

Table 7. Number and Percent of Births by Health Preparedness Region by Population Group, Kansas, 2021*

Preparedness Region	Population 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	%
Central Kansas Region	1,158	4.8	16	0.7	5	2.8	14	1.3	44	4.4	200	3.3	0	0.0	1,437	4.1
East Central Coalition	903	3.8	11	0.5	4	2.2	7	0.6	24	2.4	153	2.5	0	0.0	1,102	3.2
KC Metro Region	7,806	32.6	961	42.1	44	24.4	639	59.2	324	32.7	1,914	31.3	68	77.3	11,756	33.9
South-Central Metro Region	6,236	26.0	763	33.5	36	20.0	250	23.1	246	24.8	1,462	23.9	3	3.4	8,996	25.9
Lower 8 of SE Kansas	1,300	5.4	43	1.9	23	12.8	10	0.9	63	6.4	125	2.0	2	2.3	1,566	4.5
North Central Kansas	828	3.5	7	0.3	2	1.1	1	0.1	11	1.1	38	0.6	0	0.0	887	2.6
Northwest Bioterror	623	2.6	3	0.1	1	0.6	3	0.3	7	0.7	62	1.0	1	1.1	700	2.0
Northeast Corner	2,012	8.4	191	8.4	39	21.7	47	4.4	140	14.1	467	7.6	7	8.0	2,903	8.4
South Central Coalition	338	1.4	3	0.1	0	0.0	3	0.3	6	0.6	33	0.5	0	0.0	383	1.1
South East Kansas Multi-County	425	1.8	3	0.1	1	0.6	2	0.2	5	0.5	11	0.2	3	3.4	450	1.3
Southwest Kansas Health Initiative	215	0.9	6	0.3	2	1.1	8	0.7	4	0.4	432	7.1	0	0.0	667	1.9
Southwest Surveillance	258	1.1	16	0.7	2	1.1	5	0.5	9	0.9	463	7.6	1	1.1	754	2.2
West Central Public Health	193	0.8	0	0.0	1	0.6	1	0.1	2	0.2	37	0.6	0	0.0	234	0.7
Western Pyramid	332	1.4	27	1.2	3	1.7	17	1.6	12	1.2	440	7.2	0	0.0	831	2.3
Wildcat Region	1,338	5.6	230	10.1	17	9.4	73	6.8	92	9.3	277	4.5	2	2.3	2,029	5.8
n.s.†	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	1	1.1	2	0.0
Total	23,965	100.0	2,280	100.0	160	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,967	100.0

* Residence data

† n.s. = not stated

Table 8. Number and Percent of Singleton Births with Poor Birth Outcomes* by Health Preparedness Region, Kansas, 2021†

Preparedness Region	Population 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	%
Central Kansas Region	214	5.3	4	0.7	0	0.0	5	2.6	12	6.7	37	3.9	0	0.0	272	4.6
East Central Coalition	148	3.7	0	0.0	1	3.1	2	1.0	2	1.1	27	2.8	0	0.0	180	3.0
KC Metro Region	1,240	30.8	234	42.4	9	28.1	118	60.5	57	31.8	273	28.6	8	53.3	1,939	32.6
KS South-Central Metro Region	1,075	26.7	193	35.0	5	15.6	37	19.0	46	25.7	254	26.6	2	13.3	1,612	27.1
Lower 8 of SE Kansas	243	6.0	10	1.8	4	12.5	2	1.0	14	7.8	20	2.1	0	0.0	293	4.9
North Central Kansas	150	3.7	0	0.0	0	0.0	1	0.5	0	0.0	10	1.0	0	0.0	161	2.7
Northwest Bioterror	116	2.9	1	0.2	1	3.1	1	0.5	1	0.6	8	0.8	0	0.0	128	2.2
Northeast Corner	321	8.0	40	7.2	8	25.0	6	3.1	23	12.8	82	8.6	2	13.3	482	8.1
South Central Coalition	59	1.5	1	0.2	0	0.0	0	0.0	0	0.0	4	0.4	0	0.0	64	1.1
South East Kansas Multi-County	83	2.1	2	0.4	0	0.0	0	0.0	0	0.0	3	0.3	1	6.7	89	1.5
Southwest Kansas Health Initiative	41	1.0	2	0.4	0	0.0	2	1.0	1	0.6	60	6.3	0	0.0	106	1.8
Southwest Surveillance	34	0.8	3	0.5	0	0.0	2	1.0	1	0.6	62	6.5	0	0.0	102	1.7
West Central Public Health	42	1.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0.6	0	0.0	48	0.8
Western Pyramid	51	1.3	6	1.1	1	3.1	5	2.6	3	1.7	57	6.0	0	0.0	123	2.1
Wildcat Region	203	5.0	56	10.1	3	9.4	14	7.2	19	10.6	52	5.4	1	6.7	348	5.9
n.s.‡	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	6.7	1	0.0
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = not stated

Table 9. Number and Percent of Births by Mother's Marital Status by Population Group, Kansas, 2021*

Status	Population 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	%
Married	17,202	71.8	724	31.8	59	32.8	933	86.4	483	48.8	2,786	45.6	57	64.8	22,244	64.1
Not Married	6,758	28.2	1,555	68.2	121	67.2	147	13.6	505	51.0	3,323	54.4	25	28.4	12,434	35.8
Unknown	5	0.0	1	0.0	0	0.0	0	0.0	2	0.2	5	0.1	6	6.8	19	0.1
Total	23,965	100.0	2,280	100.0	180	100.0	1080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

[†]n.s. = not stated

Table 10. Number and Percent of Singleton Births with Poor Birth Outcomes* by Mother's Marital Status by Population Group, Kansas, 2021[†]

Status	Population 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	%
Married	2,666	66.3	155	28.1	9	28.1	164	84.1	67	37.4	441	46.2	6	40.0	3,508	59.0
Not Married	1,353	33.7	396	71.7	23	71.9	31	15.9	111	62.0	511	53.5	6	40.0	2,431	40.9
n.s. [‡]	1	0.0	1	0.2	0	0.0	0	0.0	1	0.6	3	0.3	3	20.0	9	0.2
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

[†]Residence data

[‡]n.s. = notstated

Table 11. Number and Percent of Births by Adequacy of Prenatal Care by Population Group, Kansas, 2021*

Level of Prenatal Care	Population 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	%
Adequate Plus	7,193	30.0	581	25.5	55	30.6	325	30.1	262	26.5	1,487	24.3	25	28.4	9,928	28.6
Adequate	13,728	57.3	1,072	47.0	63	35.0	578	53.5	518	52.3	2,864	46.8	39	44.3	18,862	54.4
Intermediate	1,082	4.5	210	9.2	11	6.1	41	3.8	65	6.6	563	9.2	3	3.4	1,975	5.7
Inadequate	1,732	7.2	392	17.2	44	24.4	120	11.1	133	13.4	1,033	16.9	17	19.3	3,471	10.0
n.s.†	230	1.0	25	1.1	7	3.9	16	1.5	12	1.2	167	2.7	4	4.5	461	1.3
Total	23,965	100.0	2,280	100.0	180	100.0	1,188	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

†n.s. = not stated

Table 12. Number and Percent of Singleton Births with Poor Birth Outcomes* by Adequacy of Prenatal Care by Population Group, Kansas, 2021†

Level of Prenatal Care	Population 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	%
Adequate Plus	1,772	44.1	184	33.3	13	40.6	84	43.1	73	40.8	365	38.2	6	40.0	2,497	42.0
Adequate	1,600	39.8	202	36.6	7	21.9	77	39.5	56	31.3	330	34.6	2	13.3	2,274	38.2
Intermediate	204	5.1	53	9.6	1	3.1	7	3.6	13	7.3	73	7.6	0	0.0	351	5.9
Inadequate	383	9.5	105	19.0	9	28.1	19	9.7	32	17.9	157	16.4	6	40.0	711	12.0
n.s.‡	61	1.5	8	1.4	2	6.3	8	4.1	5	2.8	30	3.1	1	6.7	115	1.9
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = not stated

Table 13. Number and Percent of Births by Number of Weeks Gestation by Population Group, Kansas, 2021*

Gestation	Population 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	%
Under 20	4	0.0	6	0.3	0	0.0	0	0.0	1	0.1	3	0.0	0	0.0	14	0.0
20-22	21	0.1	10	0.4	0	0.0	1	0.1	1	0.1	5	0.1	0	0.0	38	0.1
23-27	86	0.4	18	0.8	0	0.0	4	0.4	3	0.3	29	0.5	3	3.4	143	0.4
28-31	178	0.7	35	1.5	4	2.2	6	0.6	8	0.8	46	0.8	0	0.0	277	0.8
32-35	1,050	4.4	141	6.2	6	3.3	47	4.4	49	4.9	267	4.4	3	3.4	1,563	4.5
36	894	3.7	123	5.4	6	3.3	45	4.2	45	4.5	245	4.0	4	4.5	1,362	3.9
37-38	6,756	28.2	734	32.2	64	35.6	334	30.9	263	26.6	1,819	29.8	21	23.9	9,991	28.8
39	10,020	41.8	858	37.6	72	40.0	451	41.8	422	42.6	2,500	40.9	38	43.2	14,361	41.4
40-41	4,869	20.3	352	15.4	28	15.6	190	17.6	194	19.6	1,183	19.3	18	20.5	6,834	19.7
42 and over	61	0.3	2	0.1	0	0.0	0	0.0	1	0.1	9	0.1	0	0.0	73	0.2
n.s. [†]	26	0.1	1	0.0	0	0.0	2	0.2	3	0.3	8	0.1	1	1.1	41	0.1
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

[†]n.s. = notstated

Table 14. Number and Percent of Singleton Births with Poor Birth Outcomes* by Weeks of Gestation by Population Group, Kansas, 2021†

Weeks Gestation	Population 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	%
Under 20	4	0.1	6	1.1	0	0.0	0	0.0	1	0.6	3	0.3	0	0.0	14	0.2
20-22	21	0.5	10	1.8	0	0.0	1	0.5	1	0.6	5	0.5	0	0.0	38	0.6
23-27	86	2.1	18	3.3	0	0.0	4	2.1	3	1.7	29	3.0	3	20.0	143	2.4
28-31	178	4.4	35	6.3	4	12.5	6	3.1	8	4.5	46	4.8	0	0.0	277	4.7
32-35	1,050	26.1	141	25.5	6	18.8	47	24.1	49	27.4	267	28.0	3	20.0	1,563	26.3
36	894	22.2	123	22.3	6	18.8	45	23.1	45	25.1	245	25.7	4	26.7	1,362	22.9
37-38	948	23.6	133	24.1	12	37.5	49	25.1	42	23.5	180	18.8	2	13.3	1,366	23.0
339	563	14.0	58	10.5	2	6.3	34	17.4	22	12.3	132	13.8	3	20.0	814	13.7
40-41	264	6.6	27	4.9	2	6.3	9	4.6	7	3.9	46	4.8	0	0.0	355	6.0
42 and over	6	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1
n.s.‡	6	0.1	1	0.2	0	0.0	0	0.0	1	0.6	2	0.2	0	0.0	10	0.2
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = not stated

Table 15. Number and Percent of Births by WIC Participation by Population Group, Kansas, 2021*

WIC Use	Population 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	%
Yes	3,789	15.8	829	36.4	57	31.7	127	11.8	301	30.4	2,406	39.4	6	6.8	7,515	21.7
No	20,131	84.0	1,449	63.6	123	68.3	949	87.9	688	69.5	3,695	60.4	79	89.8	27,114	78.1
n.s.†	45	0.2	2	0.1	0	0.0	4	0.4	1	0.1	13	0.2	3	3.4	68	0.2
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

†n.s. = not stated

Table 16. Number and Percent of Singleton Births with Poor Birth Outcomes* by WIC Participation by Population Group, Kansas, 2021†

WIC Use	Population 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	%
Yes	745	18.5	213	38.6	9	28.1	29	14.9	64	35.8	390	40.8	0	0.0	1,450	24.4
No	3,265	81.2	339	61.4	23	71.9	166	85.1	115	64.2	562	58.8	14	93.3	4,484	75.4
n.s.‡	10	0.2	0	0.0	0	0.0	0	0.0	0	0.0	3	0.3	1	6.7	14	0.2
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = not stated

Table 17. Number and Percent of Singleton Births by Mother's Weight Gain Recommendation Based on Prepregnancy BMI* by Population Group, Kansas, 2021†

Population group																
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	%
Less than recommended	4,481	19.4	551	25.1	34	19.3	307	28.8	213	22.3	1,651	27.7	23	26.1	7,260	21.6
Recommended	6,951	30.0	583	25.4	45	25.6	368	34.6	254	26.6	1,684	28.2	24	27.3	9,909	29.5
More than recommended	11,535	49.8	1,033	47.0	93	52.8	384	36.1	471	49.4	2,510	42.0	31	35.2	16,057	47.8
n.s.‡	178	0.8	29	1.3	4	2.3	5	0.5	16	1.7	124	2.1	10	11.4	366	1.1
Total	23,145	100.0	2,196	100.0	176	100.0	1,064	100.0	954	100.0	5,969	100.0	88	100.0	33,592	100.0

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

†Residence Data

‡n.s. = not stated

Table 18. Number and Percent of Singleton Births with Poor Birth Outcomes* by Infant's Birth Weight in Grams by Population Group, Kansas, 2021 †

Birth Weight in Grams	Population 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	%
Under 500	28	0.7	14	2.5	0	0.0	1	0.5	1	0.6	7	0.7	0	0.0	51	0.9
500-999	89	2.2	18	3.3	0	0.0	5	2.6	2	1.1	28	2.9	0	0.0	142	2.4
1000-1499	137	3.4	29	5.3	3	9.4	5	2.6	5	2.8	45	4.7	3	20.0	227	3.8
1500-1999	321	8.0	63	11.4	0	0.0	12	6.2	22	12.3	89	9.3	0	0.0	507	8.5
2000-2499	1038	25.8	201	36.4	9	28.1	70	35.9	57	31.8	262	27.4	6	40.0	1,643	27.6
2500-2999	921	22.9	111	20.1	6	18.8	42	21.5	41	22.9	237	24.8	5	33.3	1,363	22.9
3000-3499	817	20.3	74	13.4	8	25.0	35	17.9	36	20.1	159	16.6	1	6.7	1,130	19.0
3500-3999	473	11.8	31	5.6	5	15.6	17	8.7	13	7.3	84	8.8	0	0.0	623	10.5
4000-4499	164	4.1	8	1.4	1	3.1	5	2.6	2	1.1	31	3.2	0	0.0	211	3.5
4500-4999	26	0.6	3	0.5	0	0.0	2	1.0	0	0.0	10	1.0	0	0.0	41	0.7
5000 and over	4	0.1	0	0.0	0	0.0	1	0.5	0	0.0	3	0.3	0	0.0	8	0.1
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
All	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

*See Technical Notes for definition of poor birth outcomes

†Residence data

‡n.s. = not stated

Table 19. Number and Percent of Births by Mother's Age-Group by Population Group, Kansas, 2021*

Mother's Age Group	Population 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	8	0.0	3	0.1	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	15	0.0
15-17	133	0.6	55	2.4	4	2.2	3	0.3	25	2.5	129	2.1	1	1.1	350	1.0
18-19	663	2.8	132	5.8	8	4.4	10	0.9	53	5.4	399	6.5	0	0.0	1,265	3.6
20-24	4,259	17.8	623	27.3	49	27.2	79	7.3	289	29.2	1,665	27.2	18	20.5	6,982	20.1
25-29	7,615	31.8	650	28.5	60	33.3	284	26.3	289	29.2	1,824	29.8	17	19.3	10,739	31.0
30-34	7,433	31.0	506	22.2	33	18.3	434	40.2	221	22.3	1,262	20.6	25	28.4	9,914	28.6
35-39	3,347	14.0	242	10.6	23	12.8	236	21.9	96	9.7	641	10.5	22	25.0	4,607	13.3
40-44	480	2.0	62	2.7	3	1.7	32	3.0	14	1.4	184	3.0	3	3.4	778	2.2
45 and over	26	0.1	7	0.3	0	0.0	2	0.2	2	0.2	6	0.1	0	0.0	43	0.1
n.s. [†]	1	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	2	2.3	4	0.0
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

[†]n.s. = not stated

Table 20. Number and Percent of Singleton Births with Poor Birth Outcomes* by Mother's Age by Population Group, Kansas, 2021†

Years	Population 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	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
15-17	21	0.5	16	2.9	1	3.1	0	0.0	4	2.2	24	2.5	1	6.7	67	1.1
18-19	148	3.7	38	6.9	1	3.1	5	2.6	9	5.0	63	6.6	0	0.0	264	4.4
20-24	745	18.5	138	25.0	6	18.8	15	7.7	69	38.5	213	22.3	1	6.7	1,187	20.0
25-29	1,188	29.6	145	26.3	13	40.6	48	24.6	52	29.1	264	27.6	5	33.3	1,715	28.8
30-34	1,157	28.8	125	22.6	8	25.0	68	34.9	23	12.8	236	24.7	5	33.3	1,622	27.3
35-39	649	16.1	71	12.9	2	6.3	49	25.1	19	10.6	116	12.1	2	13.3	908	15.3
40-44	107	2.7	17	3.1	1	3.1	9	4.6	3	1.7	36	3.8	0	0.0	173	2.9
45 and above	3	0.1	2	0.4	0	0.0	1	0.5	0	0.0	3	0.3	0	0.0	9	0.2
n.s.‡	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	6.7	1	0.0
Total	4,020	100.0	552	100.0	32	100.0	195	100.0	179	100.0	955	100.0	15	100.0	5,948	100.0

* See Technical Notes for definition of poor birth outcomes

† Residence data

‡ n.s. = not stated

Table 21. Number and Percent of Births by Trimester Prenatal Care Began by Population Group, Kansas, 2021*

Prenatal Care Began	Population 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	%
First Trimester	20,327	84.8	1,653	72.5	113	62.8	855	79.2	771	77.9	4,297	70.3	65	73.9	28,081	80.9
Second Trimester	2,776	11.6	444	19.5	44	24.4	166	15.4	153	15.5	1,258	20.6	8	9.1	4,849	14.0
Third Trimester	481	2.0	113	5.0	13	7.2	33	3.1	32	3.2	308	5.0	2	2.3	982	2.8
No Prenatal Care	169	0.7	47	0.7	2	0.7	11	0.7	19	0.7	93	0.7	10	0.7	351	0.7
n.s.†	212	0.9	23	0.9	8	0.9	15	0.9	15	0.9	158	0.9	3	0.9	434	0.9
Total	23,965	100.0	2,280	100.0	180	100.0	1,080	100.0	990	100.0	6,114	100.0	88	100.0	34,697	100.0

*Residence data

†n.s. = not stated

Table 22. Number of Births Where Reported Medical Risk Factors by Population Group, Kansas, 2021*

Medical Risk Factors [†]	Population 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	%
Pre-pregnancy Diabetes	214	0.9	44	1.9	1	0.6	17	1.6	10	1.0	79	1.3	0	0.0	365	1.1
Gestational Diabetes	1,967	8.2	171	7.5	22	12.2	191	17.7	82	8.3	654	10.7	4	4.5	3,091	8.9
Pre-pregnancy Hypertension	574	2.4	99	4.3	4	2.2	14	1.3	16	1.6	129	2.1	1	1.1	837	2.4
Pre-eclampsia	2,345	9.8	240	10.5	8	4.4	60	5.6	88	8.9	443	7.2	2	2.3	3,186	9.2
Eclampsia	67	0.3	3	0.1	0	0.0	1	0.1	0	0.0	17	0.3	1	1.1	89	0.3
Previous Pre-term Birth	622	2.6	123	5.4	6	3.3	31	2.9	32	3.2	190	3.1	1	1.1	1,005	2.9
Previous Poor Pregnancy Outcome	915	3.8	135	5.9	7	3.9	43	4.0	43	4.3	260	4.3	1	1.1	1,404	4.0
Vaginal Bleeding	207	0.9	26	1.1	1	0.6	7	0.6	9	0.9	53	0.9	0	0	303	0.9
Previous C-Section	3,678	15.3	416	18.2	31	17.2	165	15.3	147	14.8	964	15.8	14	15.9	5,415	15.6
Infertility Treatment	568	2.4	18	0.8	2	1.1	36	3.3	14	1.4	40	0.7	2	2.3	680	2.0
Infections Contracted or Treated During Pregnancy [§]	855	3.6	203	8.9	14	7.8	41	3.8	66	6.7	270	4.4	2	2.3	1,451	4.2
Smoking During Pregnancy	1,893	7.9	223	9.8	30	16.7	13	1.2	68	6.9	162	2.6	4	4.5	2,393	6.9
Alcohol Use During Pregnancy	20	0.1	2	0.1	0	0.0	2	0.2	3	0.3	6	0.1	0	0.0	33	0.1
Total of Medical Risk Factors	13,925	n/a [¶]	1,703	n/a [¶]	126	n/a [¶]	621	n/a [¶]	578	n/a [¶]	3,267	n/a [¶]	32	n/a [¶]	20,252	n/a [¶]
Total Births	23,965		2,280		180		1,080		990		6,114		88		34,697	

*Residence data

[†]More than one medical risk factor may have been reported for a birth. Therefore, actual number of births maybe lower than totals.

[‡]n.s. = not stated

[§]Infections include: Gonorrhea, Syphilis, Herpes Simplex Virus, Chlamydia, HIV, Hepatitis B & Hepatitis C

[¶]n/a: Not Applicable

Technical Notes

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.