



Pregnant Women Indicator List

Code	Health Indicator	Kansas				United States		HP2010 Goal***	Notes Related to Current** Data			
		Historical*		Current**		Historical*	Current**		Data Source		County-level?	Comments
		Number	Statistic	Number	Statistic				KS	U.S.		

Demographic Data

Preg1	Percent of population that are females		50.5% (2002)	1,410,313 (2008)	50.3% (2008)				1		Yes	
Preg2	Percent of population that are females (15-44)		21.1% (2002)	553,481 (2008)	19.8% (2008)				1		Yes	
Preg3	Live birth rate per 1,000 population (live births/total population)		14.5 (2002)		14.9 (2008)	13.9 (2002)	14.3 (preliminary, 2007)		2	3	Yes	Residence data

Teenagers

Preg4	The rate of live birth (per 1,000) for teenagers (females) aged 15 through 17 years.	1,261 (2002)	21.2 (2002)	1,261 (2008)	22.0 (2008)	23.2 (2002)	22.2 (preliminary, 2007)		2	3	Yes	Residence data
Preg5	Pregnancy rate per 1,000 adolescents (females) ages 15-17	1,684 (2002)	28.3 (2002)	1,552 (2008)	27.1 (2008)		40.2 (2005)		2	4	Yes	Residence data, teenage pregnancies include the sum of live births, stillbirths and abortions
Preg6	Pregnancy rate per 1,000 adolescents (females) ages 15-19	5,500 (2002)	60.7 (1999) 54.7 (2002)	5,305 (2008)	55.0 (2008)	86.7 (1999)	70.6 (2005)		2	4	Yes	Residence data, teenage pregnancies include the sum of live births, stillbirths and abortions

Socioeconomic Indicators

Preg7	Percent of live births to women with less than 12 years of education.	7,306 (2002)	18.6% (2002)	7,701 (2008)	18.5% (2008)	21.5% (2002)	26.4% (2006)		5	3	Yes	Residence data, % where education level stated
Preg8	Percent of all women who are unmarried and had a live birth in the last 12 months.	13,492 (2005)	34.0% (2005)	15,754 (2008)	37.7% (2008)	36.9 (2005)	38.5% (2006)		5	3	Yes	Residence data
Preg9	Medicaid deliveries per 100 live births	10,739 (2005)	27.1 (2005)	10,689 (2008)	25.6 (2008)				5	3	Yes	Residence data
Preg10	Percent of female householder, no husband present with related children under 5 years below poverty in the past 12 months		49.8% (2004)		52.3% (2008)	53.4% (2004)	52.8% (2008)		6	6	Only 7 big counties	JO, LV, JO, SN, SG, RL

Health Status/Health Risk Indicators

Preg11	Prevalence of unintended pregnancy resulting in a live birth		27.8% (1998)		36.6% (2003-2004)			30% (9-1)	7		No	Question: Thinking back to your last pregnancy, just before you got pregnant, how did you feel about becoming pregnant? (among women who have been pregnant in the last 5 years and are currently not pregnant, excluding refusals, other, and don't know.)
Preg12	Prevalence of drinking alcohol in the 3 months before conception		17.7% (2001) 18.9% (2003 FFY)		20.0% (2007)	10.5% (2000)	7.4% (2005)		8	8	Yes	Among WIC participants



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Preg13	Prevalence of drinking alcohol during the last 3 months of pregnancy		0.6% (2001) 0.3% (2003, FFY)		0.5% (2007)	0.8% (2000)	0.4% (2006)		8	8	Yes	Among WIC participants
Preg14	Percent of live births where the mother reported smoking during pregnancy	6,475 (2005)	16.3% (2005)	6,718 (2008)	16.1% (2008)	11.4% (2002)	13.2% (2006)	1% (16-17c)	5	3	Yes	Residence data
Preg15	Percent linguistically isolated (households).				2.3% (2008)		4.8% (2008)		6	6	No	In population 5 years and over
Preg16	Percent language spoken at home other than English (population 5 years and over).	184,530 (2002)	7.6% (2002)	256,772 (2008)	9.9% (2008)		19.7% (2008)		6	6	No	
Preg17	Percent of pregnancies resulting in a live birth with short interbirth spacing less than 18 mo.	2,633 (2002)	6.7% (2002)	3,179 (2008)	7.6% (2008)						Yes	Residence data
Preg18	Rate per 1,000 women aged 15 through 19 years with a reported case of chlamydia.	2,256 (2002)	22.4 (2002)	2,748 (2008)	28.5 (2008)		30.0 (2007)		9	10	Yes	
Preg19	Rate per 1,000 women aged 20 through 44 years with a reported case of chlamydia.	3,271 (2002)	6.9 (2002)	4,507 (2008)	9.9 (2008)		9.6 (2007)		9	10	Yes	
Preg20	Percent of prepregnancy overweight and obesity.		43.6% (2003)	45.3% (2007)		43.0% (2003)	44.5% (2007)		8	8	Yes	Among WIC participants
Preg21	Percent of women experience violence during pregnancy						20%			11	No	No state level data available

Health Status/Health Risk Indicators

Preg22	Diabetes, during pregnancy	1,378 (2005)	3.5% (2005)	1,569 (2008)	3.8% (2008)		4.2% (2006)		12	13	Yes	Residence data
Preg23	Percent weight gain of less than 16 lbs.	3,814 (2005)	9.6% (2005)	4,269 (2008)	10.2% (2008)		13.1% (2006)		12	13	Yes	Residence data
Preg24	Percent of cesarean delivery	11,225 (2005)	28.9% (2005)	12,570 (2008)	30.0% (2008)		31.1% (2006)		12	13	Yes	Residence data

Selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery

Preg25	Percent of diabetes (prepregnancy)	255 (2005)	0.6% (2005)	342 (2008)	0.8% (2008)		4.2% (2006)		12	13	Yes	Residence data
Preg26	Percent of hypertention, pregnancy-associated	1,457 (2005)	3.7% (2005)	1,705 (2008)	4.1% (2008)		3.9% (2006)		12	13	Yes	Residence data
Preg27	Percent of hypertention, prepregnancy (chronic)	381 (2005)	1.0% (2005)	439 (2008)	1.0% (2008)		1.1% (2006)		12	13	Yes	Residence data
Preg28	Percent of induction of labor	10,469 (2005)	26.4% (2005)	11,891 (2008)	28.4% (2008)		22.5% (2006)		12	13	Yes	Residence data
Preg29	Percent of tocolysis	488 (2005)	1.2% (2005)	363 (2008)	0.9% (2008)		1.7% (2006)		12	13	Yes	Residence data
Preg30	Percent of meconium, moderate/heavy	1,299 (2005)	3.3% (2005)	1,284 (2008)	3.1% (2008)		4.5% (2006)		12	13	Yes	Residence data
Preg31	Percent of Breech	1,368 (2005)	3.4% (2005)	1,400 (2008)	3.3% (2008)		5.4% (2006)		12	13	Yes	Residence data
Preg32	Percent of precipitous labor (<3 hours)	1,669 (2005)	4.2% (2005)	1,678 (2008)	4.0% (2008)		2.1% (2006)		12	13	Yes	Residence data



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Code Health Indicator

Health System Indicators - Prenatal

Preg33	Percent of infants born to pregnant women receiving prenatal care beginning in the first trimester.	27,687 (2005)	76.0% (2005)	29,089 (2008)	73.1% (2008)		69.0% (2006)	90% (16-6a)	2	3	Yes	Residence data
Preg34	Increase the proportion of pregnant women who receive early and adequate prenatal care (APNCU).	28,322 (2005)	79.1% (2005)	30,627 (2008)	77.6% (2008)		68.6% (2006)	90% (16-6b)	2	15	Yes	Residence data, percent of live births

Health System Indicators - Postpartum

Preg35	Percentage of mothers who breast-fed their infants at 6 months of age.				43.4% (children born in 2005)		43.1% (children born in 2005)	50% (16-19b)	14	14	No	
Preg36	Percentage of mothers who breast-fed their infants at hospital discharge.		72.2% (2002)		79.4% (children born in 2005)	70.1% (2002)	74.2% (children born in 2005)	75% (16-19a)	14	14	No	

Mortality

Preg37	Maternal mortality rate (No. of deaths due to pregnancy or within 42 days of termination of pregnancy from any cause related to or aggravated by the pregnancy but not accidental or incidental cause/No. of live births)	3 (2002)		7 (2008)	10.8 per 100,000 live births (2004-2008)		13.3 per 100,000 live births (2006)	3.3 per 100,000 live births	5	3	Yes/No	ICD-10 coding (A34, O00-O95, O98-O99)
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Additional Detail Data on Resident Live Births

Demographics		2005		2008										
Preg38	Age-group of mother											12		
	<15	47	0.1%	40	0.1%									
	15-19	4,015	10.1%	4,399	10.5%									
	20-24	11,373	28.6%	11,552	27.6%									
	25-29	11,595	29.2%	12,768	30.5%									
	30-34	8,206	20.7%	8,682	20.8%									
	35-39	3,661	9.2%	3,629	8.7%									
	40-44	751	1.9%	686	1.6%									
	45-49	40	0.1%	52	0.1%									
	50+	0	0.0%	3	0.0%									
	N.S.	13	0.0%	4	0.0%									



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Preg39	Age-group of father								12			
	<15	6	0.0%	4	0.0%							
	15-19	1,316	3.3%	1,544	3.7%							
	20-24	7,014	17.7%	7,290	17.4%							
	25-29	10,277	25.9%	11,071	26.5%							
	30-34	8,856	22.3%	9,351	22.4%							
	35-39	4,925	12.4%	5,045	12.1%							
	40-44	1,973	5.0%	1,840	4.4%							
	45-49	554	1.4%	576	1.4%							
	50+	204	0.5%	240	0.6%							
	N.S.	4,576	11.5%	4854	11.6%							
Preg40	Race of mother								12			
	White	32,414	81.6%	34,025	81.4%							
	Black	2,713	6.8%	2,996	7.2%							
	Native American	356	0.9%	290	0.7%							
	Asian	1,068	2.7%	1,167	2.8%							
	Native Hawaiian Pacific Islander	46	0.1%	62	0.1%							
	Other	2,454	6.2%	2,547	6.1%							
	Multi Race	541	1.4%	665	1.6%							
	N.S.	109	0.3%	63	0.2%							
Preg41	Race of father								12			
	White	28,545	71.9%	29,567	70.7%							
	Black	2,550	6.4%	2,913	7.0%							
	Native American	263	0.7%	249	0.6%							
	Asian	936	2.4%	993	2.4%							
	Native Hawaiian Pacific Islander	51	0.1%	78	0.2%							
	Other	2,525	6.4%	2,562	6.1%							
	Multi Race	456	1.1%	547	1.3%							
	N.S.	4,375	11.0%	4906	11.7%							
Preg42	Hispanic origin of mother								12			
	Hispanic	6,073	15.3%	6,781	16.2%							
	Non-Hispanic	32,943	83.0%	34,959	83.6%							
	N.S.	685	1.7%	75	0.2%							
Preg43	Hispanic origin of father								12			
	Hispanic	5,780	14.6%	6,289	15.0%							
	Non-Hispanic	29,034	73.1%	30,538	73.0%							
	N.S.	4,887	12.3%	4,988	11.9%							



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 KS U.S. level? **Comments**

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Preg44	Education of mother								12			
Preg7	8th grade or less	1,663	4.2%	1,649	3.9%							
Preg7	9-12, no diploma	5,777	14.6%	6,052	14.5%							
	H.S. or GED	9,726	24.5%	10,194	24.4%							
	Some college, no degree	8,662	21.8%	9,111	21.8%							
	Associated degree	2,581	6.5%	2,979	7.1%							
	Bachelor's degree	7,565	19.1%	8,310	19.9%							
	Master's degree	2,421	6.1%	2,781	6.7%							
	Doctorate	541	1.4%	585	1.4%							
	N.S.	765	1.9%	154	0.4%							
Preg45	Education of father								12			
	8th grade or less	1,700	4.3%	1,769	4.2%							
	9-12, no diploma	4,314	10.9%	4,434	10.6%							
	H.S. or GED	9,716	24.5%	10,380	24.8%							
	Some college, no degree	7,172	18.1%	7,556	18.1%							
	Associated degree	2,075	5.2%	2,370	5.7%							
	Bachelor's degree	6,605	16.6%	7,081	16.9%							
	Master's degree	2,040	5.1%	2,248	5.4%							
	Doctorate	911	2.3%	890	2.1%							
	N.S.	5,168	13.0%	5,087	12.2%							
Preg46	Mother married								12			
	Yes	26,175	65.9%	26,019	62.2%							
Preg8	No	13,492	34.0%	15,754	37.7%							
	N.S.	34	0.1%	42	0.1%							
Preg47	Principle source of payment for this delivery								12			
Preg9	Medicaid	10,739	27.0%	10,689	25.6%							
	Private Insurance	20,179	50.8%	21,329	51.0%							
	Self-Pay	2,354	5.9%	3,473	8.3%							
	Indian Health Service	31	0.1%	53	0.1%							
	Champus/Tricare	1,380	3.5%	1,705	4.1%							
	Other Government	1,634	4.1%	2,252	5.4%							
	Other	795	2.0%	578	1.4%							
	N.S.	2,589	6.5%	1,736	4.2%							

Prenatal History

2005

2008

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Preg48	Mother of pregnancy prenatal care began								12			
	None	397	1.0%	430	1.0%							
Preg33	First Trimester	27,687	69.7%	29,089	69.6%							
	Second Trimester	7,061	17.8%	8,580	20.5%							
	Third Trimester	1,285	3.2%	1,677	4.0%							
	N.S.	3,271	8.2%	2,039	4.9%							



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		Number	Statistic	Number	Statistic		KS	U.S.	
Preg49	Prenatal visits						12		
	None	391	1.0%	429	1.0%				
	1-5	1,449	3.6%	1,880	4.5%				
	6-10	12,315	31.0%	14,312	34.2%				
	11-15	21,674	54.6%	22,585	54.0%				
	16+	2,622	6.6%	2,019	4.8%				
	N. S.	1,250	3.1%	590	1.4%				
Preg50	Serological test made (Test required by K.S.A. 65-153f 153G)						12		
	First Trimester	28,919	72.8%	31,437	75.2%				
	Second Trimester	4,666	11.8%	4,723	11.3%				
	Third Trimester	927	2.3%	907	2.2%				
	At Delivery	3,251	8.2%	2,860	6.8%				
	Not performed	372	0.9%	364	0.9%				
	N. S.	1,566	3.9%	1,524	3.6%				
Preg51	Total pregnancy weight gain in lbs						12		
Preg23	Under 4	292	0.7%	300	0.7%				
Preg23	4-9	1,052	2.6%	1,203	2.9%				
Preg23	10-15	2,470	6.2%	2,766	6.6%				
	16-21	4,072	10.3%	4,617	11.0%				
	22-27	5,824	14.7%	6,294	15.1%				
	28-33	6,772	17.1%	7,420	17.7%				
	34-39	5,628	14.2%	6,055	14.5%				
	40+	10,570	26.6%	11,239	26.9%				
	N. S.	3,021	7.6%	1,921	4.6%				
Preg52	Last pregnancy live birth interval						12		
Preg17	Less than one year	437	1.1%	476	1.1%				
Preg17	12-17 Months	2,433	6.1%	2,674	6.4%				
	18-23 Months	3,348	8.4%	3,687	8.8%				
	24-35 Months	6,000	15.1%	6,278	15.0%				
	36 Months and more	11,530	29.0%	11,695	28.0%				
	No previous live births	14,651	36.9%	15,788	37.8%				
	N. S.	1,302	3.3%	1,217	2.9%				
Preg53	Last other pregnancy interval						12		
	Less than one year	901	2.3%	1,042	2.5%				
	12-17 Months	1,465	3.7%	1,602	3.8%				
	18-23 Months	674	1.7%	743	1.8%				
	24-35 Months	984	2.5%	1,023	2.4%				
	36 Months and more	3,044	7.7%	2,984	7.1%				
	No previous live births	29,923	75.4%	31,846	76.2%				
	N. S.	2,710	6.8%	2,575	6.2%				



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Preg54	Interval between last pregnancy								12			
	Less than one year	1,308	3.3%	1,491	3.6%							
	12-17 Months	3,804	9.6%	4,177	10.0%							
	18-23 Months	3,817	9.6%	4,199	10.0%							
	24-35 Months	6,026	15.2%	6,261	15.0%							
	36 Months and more	10,520	26.5%	10,618	25.4%							
	No previous live births	13,374	33.7%	14,301	34.2%							
	N.S.	852	2.1%	768	1.8%							

Cigarette Smoking

2005

2008

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Preg55/ Preg14	Did mother smoke 3 months before or during pregnancy?								12			
	Yes	7,743	19.5%	7,904	18.9%							
	No	31,414	79.1%	33,730	80.7%							
	N.S.	544	1.4%	181	0.4%							
Preg56	Average number of cigarettes smoked								12			
	Three months before	13.31		12.94								
	First three months	11.21		10.86								
	Second three months	10.33		9.87								
	Last three months	9.98		9.44								

Other Pregnancy Indicators and Risk Factors

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Preg57	Mother transferred in for delivery, due to maternal, medical, or fetal indications?								12			
	Yes	339	0.9%	314	0.8%							
	No	39,140	98.6%	41,411	99.0%							
	N.S.	222	0.6%	90	0.2%							
Preg58	Did mother get WIC food for herself?								12			
	Yes	12,749	32.1%	15,338	36.7%							
	No	24,228	61.0%	25,046	59.9%							
	N.S.	2,724	6.9%	1,431	3.4%							
	Medical risk factors (The numbers will not add to the total live births due to multi-coding.)								12			
Preg25	Diabetes, prepregnancy	255	0.6%	342	0.8%							
Preg22	Diabetes, gestational	1,378	3.5%	1,569	3.8%							
Preg59	Hypertension				0.0%							
Preg27	Prepregnancy (chronic)	381	1.0%	439	1.0%							
Preg26	Gestational (PIH, preeclampsia)	1,403	3.5%	1,590	3.8%							
Preg26	Eclampsia	54	0.1%	115	0.3%							
Preg60	Previous preterm birth	1,121	2.8%	1,217	2.9%							
Preg61	Other previous poor outcome (SGA, perinatal death, etc.)	606	1.5%	680	1.6%							
Preg62	Vaginal bleeding during this pregnancy prior to labor	549	1.4%	528	1.3%							
Preg63	Pregnancy resulted from infertility treatment	457	1.2%	443	1.1%							



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Preg64	Mother had a previous cesarean delivery	4,468	11.3%	5,212	12.5%						
Preg65	Alcohol use	144	0.4%	92	0.2%						
	None of the above	29,646	74.7%	31,467	75.3%						
	N.S.	901	2.3%	2	0.0%						
	Pregnancy resulted from infertility treatment								12		
Preg66	Fertility enhancing drugs, Artificial insemination or Intrauterine insemination	273	59.7%	236	53.3%						
Preg67	Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))	169	37.0%	191	43.1%						
	N.S.	22	4.8%	17	3.8%						
	Infections present and/or treated, during this pregnancy (The numbers will not add to the total live births due to multi-coding.)								12		
Preg68	Gonorrhea	154	0.39%	118	0.28%						
Preg69	Syphilis	10	0.03%	5	0.01%						
Preg70	Herpes simplex	611	1.54%	607	1.45%						
Preg71	Chlamydia	604	1.52%	644	1.54%						
Preg72	Hepatitis B	83	0.21%	52	0.12%						
Preg73	Hepatitis C	45	0.11%	56	0.13%						
Preg74	Listeria	NA		NA							
Preg75	Group B Streptococcus	NA		NA							
Preg76	Cytomeglovirus	NA		NA							
Preg77	Parvo virus	NA		NA							
Preg78	Toxoplasmosis	NA		NA							
Preg79	AIDS OR HIV antibody	23	0.06%	12	0.03%						
	None of the above	36,829	92.77%	40,423	96.67%						
	N.S.	1,499	3.78%	56	0.13%						
	Obstetrical procedure (The numbers will not add to the total live births due to multi-coding.)								12		
Preg80	Cervical cerclage	134	0.3%	108	0.3%						
Preg29	Tocolysis	488	1.2%	363	0.9%						
Preg81	External cephalic success	43	0.1%	33	0.1%						
Preg82	External cephalic failed	52	0.1%	31	0.1%						
	None of the above	38,999	98.2%	41,288	98.7%						

Labor Delivery

2005

2008

Method of Delivery		2005		2008							
Preg83	Forceps attempted?								12		
	Yes	1,044	2.6%	903	2.2%						
	No	37,115	93.5%	40,542	97.0%						
	N.S.	1,542	3.9%	370	0.9%						



Pregnant Women Indicator List

Kansas

United States

Notes Related to Current** Data

Historical* Current**

HP2010 Goal***

Data Source County-level? Comments

Number Statistic Number Statistic

KS U.S. Comments

Code Health Indicator

Code	Health Indicator	Number	Statistic	Number	Statistic	Historical*	Current**	HP2010 Goal***	KS	U.S.	County-level?	Comments
Preg84	Forceps successful								12			
	Yes	929	89.0%	828	91.7%							
	No	115	11.0%	75	8.3%							
	N.S.	0	0.0%	0	0.0%							
Preg85	Vacuum extraction attempted?								12			
	Yes	2,051	5.2%	1,967	4.7%							
	No	36,117	91.0%	39,480	94.4%							
	N.S.	1,533	3.9%	368	0.9%							
Preg86	Vacuum extraction successful								12			
	Yes	1,806	88.1%	1,765	89.7%							
	No	242	11.8%	201	10.2%							
	N.S.	3	0.1%	1	0.1%							
	Fetal presentation at delivery								12			
Preg87	Cephalic	36,239	91.3%	38,616	92.3%							
Preg31	Breech	1,368	3.4%	1,400	3.3%							
Preg88	Other	638	1.6%	1,519	3.6%							
	N.S.	1,456	3.7%	280	0.7%							
Preg89	Final route and method of delivery								12			
	Vaginal/spontaneous	25,477	64.2%	27,146	64.9%							
	Vaginal/forceps	792	2.0%	712	1.7%							
	Vaginal/vacuum	1,358	3.4%	1,379	3.3%							
Preg24	Cesarean	11,225	28.3%	12,570	30.1%							
	N.S.	849	2.1%	8	0.0%							
Preg90	If cesarean, was a trial of labor attempted?								12			
	Yes	3,874	34.5%	4,125	32.8%							
	No	7,240	64.5%	8,319	66.2%							
	N.S.	111	1.0%	126	1.0%							
	Onset of labor (The numbers will not add to the total live births due to multi-coding.)								12			
Preg91	Premature rupture of membranes (labor >=12 hours)	1,044	2.6%	893	2.1%							
Preg32	Precipitous labor (<3 hours)	1,669	4.2%	1,678	4.0%							
Preg92	Prolonged labor (>=20 hours)	690	1.7%	563	1.3%							
	None of the above	34,973	88.1%	38,743	92.7%							
	N.S.	1,393	3.5%	6	0.0%							



Pregnant Women Indicator List

Kansas

United States

Notes Related to Current** Data

Historical* Current**

Historical* Current**

HP2010 Goal***

Data Source County-level? Comments

Code Health Indicator

Code	Health Indicator	Kansas		United States		HP2010 Goal***	Notes Related to Current** Data		
		Historical*	Current**	Historical*	Current**		Data Source	County-level?	Comments
		Number	Statistic	Number	Statistic		KS	U.S.	
	Characteristics of labor and delivery (The numbers will not add to the total live births due to multi-coding.)						12		
Preg28	Induction of labor	10,469	26.4%	11,891	28.4%				
Preg93	Augmentation of labor	7,921	20.0%	9,075	21.7%				
Preg94	Non-vertex presentation	439	1.1%	362	0.9%				
Preg95	Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery	375	0.9%	308	0.7%				
Preg96	Antibodies received by mother during labor	4,742	11.9%	5,370	12.8%				
Preg97	Clinical chorioamnionitis or Maternal temperature >= 38 C (100.4 F)	342	0.9%	315	0.8%				
Preg30	Moderate/heavy meconium staining of the amniotic fluid	1,299	3.3%	1,284	3.1%				
Preg98	Fetal intolerance of labor (e.g., in-utero resuscitative measures, further fetal assessment, or operative delivery)	1,423	3.6%	1,765	4.2%				
Preg99	Epidural or spinal anesthesia during labor	25,179	63.4%	28,770	68.8%				
	None of the above	7,337	18.5%	7,915	18.9%				
	N.S.	1,139	2.9%	2	0.0%				
	Maternal morbidity (The numbers will not add to the total live births due to multi-coding. These are complication associated with labor and delivery.)						12		
Preg100	Maternal transfusion	109	0.3%	130	0.3%				
Preg101	Third or fourth degree perineal laceration	594	1.5%	452	1.1%				
Preg102	Ruptured uterus	17	0.0%	19	0.0%				
Preg103	Unplanned hysterectomy	14	0.0%	25	0.1%				
Preg104	Admission to intensive care unit	47	0.1%	50	0.1%				
Preg105	Unplanned operating room procedure following delivery	87	0.2%	81	0.2%				
	None of the above	37,430	94.3%	41,133	98.4%				
	N.S.	1,464	3.7%	4	0.0%				



Pregnant Women Indicator List

Code Health Indicator

		Kansas		United States		HP2010 Goal***	Notes Related to Current** Data		
		Historical*		Current**			Data Source		County- level?
Number	Statistic	Number	Statistic	Historical*	Current**	KS	U.S.		

Footnotes and Abbreviations

* Historical: Reported for MCH2010 process; see data cells, column headers, or source notes at bottom for data year, where applicable.

** Current: Latest available data for MCH2015; see data cells, column headers, or source notes at bottom for data year.

*** HP2010 Goal: Healthy People 2010 goal; corresponding objective number in parentheses.

Data Sources

1. Kansas Information for Communities, U.S. Census population estimates
2. Bureau of Public Health Informatics (BPHI), Kansas Department of Health and Environment (KDHE), Annual Summary of Vital Statistics: 2008
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5. Bureau of Public Health Informatics (BPHI), KDHE, Adhoc reports
6. US Census, American Community Survey
7. 2003-2004 Women's Health Survey
8. Pregnancy Nutrition Surveillance (PNSS)
9. Sexually Transmitted Disease (STD) Section, Kansas Department of Health and Environment
10. Centers for Disease Control and Prevention (CDC) STD surveillance 2007
11. Domestic violence and pregnancy fact sheet: www.ncadv.org
12. Bureau of Public Health Informatics (BPHI), KDHE, Perinatal Casualty Report
13. National Center for Health Statistics (NCHS), National Vital Statistics Reports, vol 57 no 7
14. CDC's Breastfeeding National Immunization Survey
15. VitalStats, National Center for Health Statistics



Infant Indicator List

Code	Health Indicator	Kansas				United States		HP2010 Goal***	Notes Related to Current** Data			
		Historical*		Current**		Historical*	Current**		Data Source		County- level?	Comments
		Number	Statistic	Number	Statistic				KS	U.S.		

Demographics

Inf1	Kansas live residence births (based on mother's race/ethnicity)	39,338 (2002)		41,815 (2008)					1		Yes	Residence data
	White non-Hispanic	29,811	75.9%	29,863	71.5%							
	Black or African American non-Hispanic	2,845	7.2%	2,936	7.0%							
	Native American non-Hispanic	427	1.1%	265	0.6%							
	Asian/Pacific Islander non-Hispanic	1,154	2.9%	1,192	2.9%							
	Other non-Hispanic (includes selection of two or more races or other non-specified race)	27	0.1%	746	1.8%							
	Hispanic any race	5,006	12.7%	6,781	16.2%							
	Ethnicity unknown	68		32								

Mortality Indicators

Inf2	Infant mortality rate per 1,000 live births		7.2 (2002)	303 (2008)	7.25 (2008)	7 (2002)	6.77 (preliminary, 2007)	4.5 (16-1c)	1	3	Yes	Residence data
Inf3	Fetal deaths at 24 or more weeks of gestation per 1,000 live births and fetal deaths			144 (2008)	3.4 (2008)				2		Yes	Residence data
Inf4	The perinatal mortality rate per 1,000 live births and fetal deaths	234 (2002)	5.9 (2002)	278 (2008)	6.6 (2008)		6.64 (2005)	4.5 (16-1b)	2		Yes	Residence data
Inf5	Neonatal Deaths (<28 days) per 1,000 live births	192 (2002)	4.9 (2002)	193 (2008)	4.6 (2008)	4.7 (2002)	4.45 (2006)	2.9 (16-1d)	1	3	Yes	Residence data
Inf6	Postneonatal mortality (28 days-<1 year) per 1,000 live births	90 (2002)	2.8 (2001) 2.3 (2002)	110 (2008)	2.6 (2008)	2.3 (2001)	2.24 (2006)	1.2 (16-1e)	2	3	Yes	Residence data
Inf7	Postneonatal mortality of term infants weighing < 2500 g at birth			7 (2008)					2		Yes	Residence data
Inf8	All infant deaths from all birth defects per 1,000 live births	63 (2002)	1.6 (2002)	77 (2008)	1.84 (2008)	1.4 (2002)	1.36 (2006)	1.1 (16-1f)	1	3	Yes	Residence data
Inf9	Infant death rate from sudden infant death syndrome per 1,000 live births.	46 (2002)	1.2 (2002)	52 (2008)	1.24 (2008)	0.51 (2002)	0.54 (2006)	0.25 (16-1h)	1	3	Yes	Residence data
Inf10	The ratio of the black non-Hispanic infant mortality rate to the white non-Hispanic infant mortality rate.		2.5 (2002)		2.1 (2008)	2.5 (2002)	black to white 2.4 (2006)		1	3	Yes	Residence data

Health Status

Inf11	The percent of newborns who are screened and confirmed with condition(s) mandated by their State-sponsored newborn screening programs (e.g. phenylketonuria and hemoglobinopathies) who receive appropriate follow up as defined by their State.	24 (2002)	100% (2002)	72 (2008)	100% (2008)				4		Yes	Occurrence data; Newborn screening expansion in July 2008
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Infant Indicator List

		Kansas				United States		HP2010 Goal***	Notes Related to Current** Data			
		Historical*		Current**		Historical*	Current**		Data Source		County- level?	Comments
Code	Health Indicator	Number	Statistic	Number	Statistic				KS	U.S.		

Inf12	Percentage of newborns who have been screened for hearing before hospital discharge.		90.4% (2003)		97.4% (2008)				4		Yes	Occurrence data
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Health Risk Indicators

Inf13	Rate per 1,000 live births with congenital anomalies	767 (2002)	19.5 (2002)	793 (2008)	19.0 (2008)				2		Yes	Residence data
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Low Birth Weight Infants

Inf14	Percent of live births weighing less than 2500 grams (5.5 lb).	2,758 (2002)	7.0% (2002)	3014 (2008)	7.2% (2008)	6.1% (2002)	8.20%	5.0% (16-10a)	2	5	Yes	Residence data
Inf15	Percent of live singleton births weighing less than 2500 grams (5.5 lb).	2,018 (2002)	5.3% (2002)	2,302 (2008)	5.7% (2008)				2		Yes	Residence data
Inf16	Percent of live births weighing less than 1500 grams.	515 (2002)	1.3% (2002)	574 (2008)	1.4% (2008)	1.1% (2002)	1.5% (2007, preliminary)	0.9% (16-10b)	2	5	Yes	Residence data
Inf17	Percent of live singleton births weighing less than 1500 grams.	358 (2002)	0.9% (2002)	420 (2008)	1.0% (2008)				2		Yes	Residence data

Period of Gestation

Inf18	Percent of total preterm births (<37 weeks)	3,409 (2002)	8.7% (2002)	3,873 (2008)	9.3% (2008)	12.1% (2002)	12.8% (2006)	7.6% (16-11a)	2	5	Yes	Residence data
Inf19	Percent of live births at 32 to 36 weeks of gestation (moderate and late preterm)	2,845 (2002)	7.3% (2002)	3,200 (2008)	7.7% (2008)	10.1% (2002)	10.7% (2006)	6.4% (16-11b)	2	5	Yes	Residence data
Inf20	Percent of live births at 34 to 36 weeks of gestation (late preterm)	2,460 (2002)	6.3% (2002)	2,777 (2008)	6.7% (2008)	8.8% (2003)	9.2% (2006)		2	5	Yes	Residence data
Inf21	Percent of live births at less than 32 weeks of gestation (very premature)	564 (2002)	1.4% (2002)	673 (2008)	1.6% (2008)	2.0% (2002)	2.1% (2006)	6.4% (16-11c)	2	5	Yes	Residence data

Health System Indicator

Inf22	Percent of very low birth weight infants delivered at facilities for high-risk deliveries and neonates.		82.6% (2002)		78.9% (2008)			90% (16-8)	2		Yes	Residence data
Inf23	Percent Medicaid enrollees whose age is less than one year who received at least one initial or periodic screening		81.0% (FFY2002)		89.4% (FFY2008)				6		No	
Inf24	Percent of State Children Health Insurance Program (SCHIP) enrollees whose age is less than one year during the reporting year who received at least one periodic screen.		57.9% (FFY2002)		66.0% (FFY2008)				7		No	



Infant Indicator List

Kansas

United States

Notes Related to Current** Data

Historical*

Current**

Historical*

Current**

HP2010 Goal***

Data Source

County-level?

Code Health Indicator

Number

Statistic

Number

Statistic

KS

U.S.

level?

Comments

Additional Detail Data on Resident Live Births

Code	Health Indicator	Kansas		United States		HP2010 Goal***	Data Source		County-level?	Comments
		Historical*	Current**	Historical*	Current**		KS	U.S.		
	NEWBORN									
	2005									
	2008									
Inf25	Sex						8			
	Male	20,133	50.7%	21,386	51.1%					
	Female	19,567	49.3%	20,428	48.9%					
	N.S.	1	0.0%	1	0.0%					
Inf26	Plurality						8			
	Single	38,405	96.7%	40,537	96.9%					
	Twin	1,226	3.1%	1,228	2.9%					
	Other multiple	61	0.2%	46	0.1%					
	N.S.	9	0.0%	4	0.0%					
Inf27	Obstetric estimate of gestation (completed weeks)						8			
	UNDER 20	14	0.0%	17	0.0%					
	20-22	53	0.1%	56	0.1%					
	23-27	181	0.5%	233	0.6%					
	28-31	358	0.9%	367	0.9%					
	32-35	1,593	4.0%	1,629	3.9%					
	36	1,589	4.0%	1,571	3.8%					
	37-41	35,357	89.1%	37,663	90.1%					
	42+	280	0.7%	211	0.5%					
	N.S.	276	0.7%	68	0.2%					
Inf28	Birth weight in grams						8			
	Under 500	79	0.2%	73	0.2%					
	500-749	87	0.2%	109	0.3%					
	750-999	104	0.3%	103	0.2%					
	1000-1249	108	0.3%	134	0.3%					
	1250-1499	156	0.4%	155	0.4%					
	1500-1999	536	1.4%	556	1.3%					
	2000-2499	1,782	4.5%	1,884	4.5%					
	2500-2999	6,892	17.4%	7,353	17.6%					
	3000-3499	15,357	38.7%	16,349	39.1%					
	3500-3999	11,194	28.2%	11,676	27.9%					
	4000-4499	2,961	7.5%	2,969	7.1%					
	4500+	439	1.1%	443	1.1%					
	N. S.	6	0.0%	11	0.0%					
Inf29	Infant transferred (within 24 hours of delivery)						8			
	Yes	489	1.2%	461	1.1%					
	No	38,993	98.2%	41,262	98.7%					
	N.S.	219	0.6%	92	0.2%					



Infant Indicator List

Code	Health Indicator	Kansas				United States		HP2010 Goal***	Notes Related to Current** Data			
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		Number	Statistic	Number	Statistic				KS	U.S.		

Inf30	Is infant being breast-fed?								8			
	Yes	27,222	68.6%	31,260	74.8%							
	No	8,819	22.2%	9,059	21.7%							
	N.S.	3,660	9.2%	1,496	3.6%							
	Abnormal conditions of newborn (The numbers will not add to the total live births due to multi-coding.)								8			
Inf31	Assisted ventilation required immediately following delivery	1,888	4.8%	1,370	3.3%							
Inf32	Assisted ventilation required for more than 6 hours	231	0.6%	188	0.4%							
Inf33	NICU admission	2,148	5.4%	2,340	5.6%							
Inf34	Newborn given surfactant replacement therapy	102	0.3%	136	0.3%							
Inf35	Antibiotics received by the newborn for suspected neonatal sepsis	302	0.8%	253	0.6%							
Inf36	Seizure or serious neurologic dysfunction	15	0.0%	5	0.0%							
Inf37	Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention)	44	0.1%	25	0.1%							
	None of the above	35,203	88.7%	38,528	92.1%							
	N.S.	811	2.0%	2	0.0%							
	APGAR Score											
Inf38	Score at 1 minute								8			
	0	27	0.1%	25	0.1%							
	1-6	3,087	7.8%	3,064	7.3%							
	7-10	36,294	91.4%	38,457	92.0%							
	Not applicable	0	0.0%	0	0.0%							
	N.S.	293	0.7%	269	0.6%							
Inf39	Score at 5 minutes								8			
	0	19	0.0%	18	0.0%							
	1-6	574	1.4%	593	1.4%							
	7-10	38,821	97.8%	41,021	98.1%							
	Not applicable	2	0.0%	0	0.0%							
	N.S.	285	0.7%	183	0.4%							
Inf40	Score at 10 minutes								8			
	0	1,115	2.8%	19	0.0%							
	1-6	216	0.5%	226	0.5%							
	7-10	25,694	64.7%	26,362	63.0%							
	Not applicable	46	0.1%	28	0.1%							
	N.S.	12,630	31.8%	15,180	36.3%							



Infant Indicator List

Code	Health Indicator	Kansas				United States		HP2010 Goal***	Notes Related to Current** Data			
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		Number	Statistic	Number	Statistic				KS	U.S.		
Inf41	Congenital anomalies (The numbers will not add to the total live births due to multi-coding.)							8				
	Anencephaly	11	0.03%	8	0.02%							
	Meningomyelocele/Spinal bifida	12	0.03%	5	0.01%							
	Cyanotic congenital heart disease	15	0.04%	11	0.03%							
	Congenital diaphragmatic hernia	5	0.01%	1	0.00%							
	Omphalocele	5	0.01%	3	0.01%							
	Gastroschisis	18	0.05%	12	0.03%							
	Limb reduction defect (excluding congenital amputation and dwarfing syndromes)	9	0.02%	4	0.01%							
	Cleft Lip with or without Cleft Palate	32	0.08%	26	0.06%							
	Cleft Palate alone	15	0.04%	9	0.02%							
	Down Syndrome	31	0.08%	33	0.08%							
	Suspected chromosomal disorder	19	0.05%	26	0.06%							
	Hypospadias	23	0.06%	19	0.05%							
	Fetal alcohol syndrome	2	0.01%	1	0.00%							
	Other congenital anomalies	239	0.60%	666	1.59%							
	None of the above	38,591	97.20%	41,022	98.10%							
	N.S.	713	1.80%	2	0.00%							
	Down Syndrome							8				
	Karyotype confirmed	1	3.2%	5	15.2%							
	Karyotype pending	17	54.8%	26	78.8%							
	N.S.	13	41.9%	2	6.1%							
	Suspected chromosomal disorder							8				
	Karyotype confirmed	2	10.5%	6	23.1%							
	Karyotype pending	16	84.2%	19	73.1%							
	N.S.	1	5.3%	1	3.8%							

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Data Sources

1. Bureau of Public Health Informatics (BPHI), Kansas Department of Health and Environment (KDHE), Annual Summary of Vital Statistics: 2008
2. Bureau of Public Health Informatics (BPHI), KDHE, Adhoc reports
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8. Bureau of Public Health Informatics (BPHI), KDHE, Perinatal Casualty Report