Table R-1. Number and rate of live births by pregnancy risk factors, by age and race and Hispanic origin of mother: Total of 12 reporting states, 2005

[Rates are number of live births with specified risk factor per 1,000 live births in specified group]

Risk factor and race and Hispanic origin of mother	All births <sup>1</sup>	Factor reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All races <sup>3</sup>										
Diabetes	1,268,502	57,143	46.1	15.5	28.2	44.3	61.8	80.7	103.8	29,907
Prepregnancy (Diagnosis prior to this pregnancy)	1,268,502	8,500	6.9	2.6	4.5	6.7	8.4	12.2	16.5	29,907
Gestational (Diagnosis in this pregnancy)	1,268,502	48,643	39.3	12.9	23.7	37.6	53.4	68.5	87.3	29,907
Hypertension	1,268,502	72,388	58.4	56.2	52.8	56.4	59.9	69.5	89.4	29,907
Prepregnancy (Chronic)	1,268,502	15,109	12.2	4.8	7.6	11.3	15.3	22.1	33.7	29,907
Gestational (PIH, preeclampsia)	1,268,502	57,279	46.2	51.4	45.3	45.1	44.6	47.5	55.7	29,907
Previous preterm birth	1,268,502	25,094	20.3	7.1	19.6	22.5	22.1	24.8	25.9	29,907
Other previous poor pregnancy outcome	1,268,502	27,181	21.9	6.8	17.7	22.7	26.2	32.6	42.1	29,907
Mother had a previous cesarean delivery $^4$	1,268,502	142,347	114.5	29.0	85.6	114.0	150.1	183.1	195.3	25,499
Non-Hispanic white $5$										
Diabetes	714,257	31,468	45.4	18.4	29.5	43.0	55.2	69.9	89.0	21,610
Prepregnancy (Diagnosis prior to this pregnancy)	714,257	4,349	6.3	3.1	4.6	6.1	6.9	9.2	12.5	21,610
Gestational (Diagnosis in this pregnancy)	714,257	27,119	39.2	15.2	25.0	36.9	48.3	60.6	76.5	21,610
Hypertension	714,257	43,145	62.3	60.5	58.8	62.3	61.6	67.2	81.6	21,610
Prepregnancy (Chronic)	714,257	8,562	12.4	4.7	7.9	11.5	14.6	20.0	27.2	21,610
Gestational (PIH, preeclampsia)	714,257	34,583	49.9	55.8	50.9	50.8	47.0	47.2	54.3	21,610
Previous preterm birth	714,257	15,020	21.7	7.6	20.9	23.0	22.7	26.1	27.4	21,610
Other previous poor pregnancy outcome	714,257	17,706	25.6	8.7	20.2	24.5	29.3	36.8	48.4	21,610
Mother had a previous cesarean delivery $^{4}$	714,257	76,220	109.6	22.9	75.1	100.7	140.2	173.7	189.7	19,064
Non-Hispanic black <sup>5</sup>										
Diabetes	171,054	7,524	44.7	14.6	28.4	46.9	74.5	100.3	121.7	2,889
Prepregnancy (Diagnosis prior to this pregnancy)	171,054	1,652	9.8	3.2	6.0	10.0	16.0	24.6	27.3	2,889
Gestational (Diagnosis in this pregnancy)	171,054	5,872	34.9	11.4	22.5	36.9	58.4	75.6	94.4	2,889
Hypertension	171,054	12,841	76.4	65.5	61.4	72.6	95.9	120.0	152.3	2,889
Prepregnancy (Chronic)	171,054	3,802	22.6	6.8	12.7	22.4	38.4	57.0	80.3	2,889
Gestational (PIH, preeclampsia)	171,054	9,039	53.8	58.7	48.8	50.2	57.4	63.0	72.0	2,889
Previous preterm birth	171,054	4,956	29.5	9.1	27.3	39.0	38.3	36.6	36.5	
Other previous poor pregnancy outcome	171,054	4,672	27.8	8.3	23.9	35.5	38.5	40.7	40.6	2,889
Mother had a previous cesarean delivery <sup>4</sup>	171,054	20,571	121.9	34.1	105.3	143.1	173.5	205.4	213.1	2,357

#### Hispanic 6

Diabetes	329,276	14,401	44.2	12.7	25.2	43.6	69.2	96.1	131.4	3,246
Prepregnancy (Diagnosis prior to this pregnancy)	329,276	2,102	6.4	1.7	3.5	6.4	9.4	15.7	23.0	3,246
Gestational (Diagnosis in this pregnancy)	329,276	12,299	37.7	11.1	21.7	37.2	59.8	80.4	108.4	3,246
Hypertension	329,276	14,447	44.3	46.5	38.9	39.2	47.2	60.6	85.2	3,246
Prepregnancy (Chronic)	329,276	2,343	7.2	3.9	4.3	6.4	9.7	15.5	28.6	3,246
Gestational (PIH, preeclampsia)	329,276	12,104	37.1	42.6	34.5	32.8	37.4	45.1	56.6	3,246
Previous preterm birth	329,276	4,336	13.3	5.3	13.1	15.3	15.0	17.4	17.4	3,246
Other previous poor pregnancy outcome	329,276	3,919	12.0	3.9	9.9	13.8	14.8	19.3	25.6	3,246
Mother had a previous cesarean delivery 4	329,276	40,179	122.9	33.0	94.3	136.2	176.1	209.7	209.8	2,421

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

- Quantity zero.

<sup>1</sup> Total number of births to residents of areas reporting specified pregnancy risk factor.

- <sup>2</sup> No response reported for pregnancy risk factor item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.
- <sup>3</sup> Includes other races not shown.
- <sup>4</sup> Differences in not stated levels for this risk factor compared with other risk factors are the result of editing procedures; see "Technical Notes."
- <sup>5</sup> Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the Office of 1977 Management and Budget (OMB) standards. All states in the 12 state reporting area reported multiple race data for 2005. These multiple race data were bridged to the single race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."
- <sup>6</sup> Includes all persons of Hispanic origin of any race.

NOTE: Includes Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.

# Table R-2. Rates of obstetric procedures by age and race and Hispanic origin of mother: Total of 12 reporting states, $2005\,$

[Rates are number of live births with specified obstetric procedure per 1,000 live births in specified group]

Obstetric procedure and race and Hispanic origin of mother	All births <sup>1</sup>	Procedure reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All races <sup>3</sup>										
Cervical cerclage	1,268,502	4,549	3.7	1.6	2.7	3.6	4.7	5.7	6.5	30,552
Tocolysis	1,268,502	18,994	15.3	17.2	16.1	15.1	14.7	14.0	13.7	30,552
External cephalic version	1,268,502	6,660	5.4	6.0	5.6	5.3	5.2	4.9	5.1	30,552
Percent successful $^4$	1,268,502	5,417	81.3	85.3	83.4	80.9	77.8	79.7	78.8	30,552
Non-Hispanic white $^{5}$										
Cervical cerclage	714,257	2,453	3.5	1.4	2.5	3.3	4.4	5.4	5.9	22,194
Tocolysis	714,257	12,284	17.7	22.9	19.8	17.3	16.4	14.8	14.4	22,194
External cephalic version	714,257	3,261	4.7	5.1	4.6	4.7	4.8	4.6	4.4	22,194
Percent successful $^4$	714,257	2,375	72.8	74.6	72.4	72.5	71.5	76.1	72.3	22,194
Non-Hispanic black $^{5}$										
Cervical cerclage	171,054	1,123	6.7	2.1	4.4	7.9	11.1	13.1	12.3	2,726
Tocolysis	171,054	2,669	15.9	16.3	16.1	16.1	15.9	13.4	12.9	2,726
External cephalic version	171,054	1,681	10.0	10.3	10.9	10.2	8.9	7.9	5.9	2,726
Percent successful <sup>4</sup>	171,054	1,594	94.8	93.2	95.6	95.0	93.4	97.0	100.0	2,726
Hispanic <sup>6</sup>										
Cervical cerclage	329,276	809	2.5	1.4	2.1	2.7	3.0	3.3	4.1	3,250
Tocolysis	329,276	3,359	10.3	11.1	9.9	9.9	10.1	11.7	10.4	3,250
External cephalic version	329,276	1,399	4.3	4.6	4.2	4.4	3.9	4.1	5.6	3,250
Percent successful <sup>4</sup>	329,276	1,183	84.6	87.7	86.4	85.1	81.2	77.5	81.8	3,250

 $^{\rm 1}$   $\,$  Total number of births to residents of areas reporting specified obstetric procedure.

<sup>2</sup> No response reported for obstetric procedure item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

- <sup>3</sup> Includes other races not shown.
- <sup>4</sup> Percent successful external cephalic version (ECV) is the number of successful ECVs per 100 live births to women with an attempted ECV in specified group
- <sup>5</sup> Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All states in the 12 state reporting area reported multiple race data for 2005. These multiple race data were bridged to the single race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

<sup>6</sup> Includes all persons of Hispanic origin of any race.

NOTE: Includes Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.

Table R-3. Number and rate of live births by characteristics of labor and delivery, by age and race and Hispanic origin of mother: Total of 12 reporting states, 2005

[Rates are number of live births with specified characteristic per 1,000 live births in specified group]

Labor and delivery characteristic and race and Hispanic origin of mother	All births <sup>1</sup>	Characteristic reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All races <sup>3</sup>										
Induction of labor	1,268,502	322,247	259.9	267.8	266.0	267.6	252.7	239.2	227.8	28,462
Augmentation of labor	1,268,502	267,743	215.9	266.5	235.8	216.8	193.1	173.9	154.5	28,462
Non-vertex presentation	1,268,502	22,497	18.1	11.5	13.8	17.4	22.3	26.2	30.7	28,462
Steroids (glucocorticoids) for fetal lung maturation	1,268,502	12,245	9.9	10.8	9.2	9.5	9.8	10.8	14.4	28,462
Antibiotics received by mother during labor	1,268,502	211,544	170.6	192.1	173.0	166.5	163.6	167.0	170.7	28,462
Clinical chorioamnionitis during labor	1,268,502	13,669	11.0	17.2	12.6	10.4	8.9	7.5	7.3	28,462
Moderate/heavy meconium staining of amniotic fluid	1,268,502	52,536	42.4	48.0	43.5	41.6	40.1	40.5	41.1	28,462
Fetal intolerance of labor	1,268,502	62,040	50.0	56.2	49.8	48.7	48.3	50.3	53.0	28,462
Epidural or spinal anesthesia during labor	1,268,502	827,498	667.3	664.6	651.1	662.1	684.3	687.7	668.4	28,462
Non-Hispanic white <sup>4</sup>										
Induction of labor	714,257	206,411	297.6	325.2	315.8	308.5	282.1	262.8	246.6	20,760
Augmentation of labor	714,257	150,383	216.8	272.9	240.4	222.5	195.5	177.9	157.8	20,760
Non-vertex presentation	714,257	15,036	21.7	15.0	16.3	20.5	25.4	28.8	34.5	20,760
Steroids (glucocorticoids) for fetal lung maturation	714,257	7,477	10.8	12.1	10.3	10.5	10.5	11.1	14.6	20,760
Antibiotics received by mother during labor	714,257	121,782	175.6	197.0	176.0	174.0	171.9	172.4	173.9	20,760
Clinical chorioamnionitis during labor	714,257	6,378	9.2	13.6	10.4	9.3	7.9	6.9	6.7	20,760
Moderate/heavy meconium staining of amniotic fluid	714,257	27,138	39.1	42.4	40.2	38.8	37.7	38.8	38.4	20,760
Fetal intolerance of labor	714,257	37,372	53.9	63.7	54.9	53.2	51.1	52.5	53.8	20,760
Epidural or spinal anesthesia during labor	714,257	495,705	714.8	728.6	701.9	711.7	726.0	719.8	694.6	20,760
Non-Hispanic black <sup>4</sup>										
Induction of labor	171,054	37,550	223.0	236.2	221.7	222.1	223.2	206.7	196.2	2,655
Augmentation of labor	171,054	37,059	220.1	269.2	235.5	211.8	182.5	158.6	144.6	2,655
Non-vertex presentation	171,054	2,767	16.4	10.8	14.1	16.2	21.5	26.6	30.5	2,655
Steroids (glucocorticoids) for fetal lung maturation	171,054	2,430	14.4	15.0	12.9	14.3	14.4	17.9	22.0	2,655
Antibiotics received by mother during labor	171,054	37,402	222.1	251.4	228.5	211.7	201.7	205.2	201.2	2,655
Clinical chorioamnionitis during labor	171,054	1,970	11.7	17.6	12.5	10.1	8.3	7.2	7.9	2,655
Moderate/heavy meconium staining of amniotic fluid	171,054	9,013	53.5	59.2	52.2	51.0	53.4	55.5	49.0	2,655
Fetal intolerance of labor	171,054	10,716	63.6	72.9	62.4	60.6	60.8	62.4	66.0	2,655
Epidural or spinal anesthesia during labor	171,054	109,636	651.0	671.6	650.7	638.5	647.9	652.7	644.8	2,655
Hispanic <sup>5</sup>										
Induction of labor	329,276	67,473	206.8	224.4	210.8	204.9	195.0	194.9	196.4	2,998
Augmentation of labor	329,276	67,875	208.0	257.8	225.5	199.3	179.0	162.1	140.1	2,998
Non-vertex presentation	329,276	3,678	11.3	7.9	9.1	10.8	14.5	17.8	19.4	2,998
Steroids (glucocorticoids) for fetal lung maturation	329,276	1,950	6.0	6.9	5.3	5.2	6.3	7.6	9.4	2,998
Antibiotics received by mother during labor	329,276	43,794	134.2	151.0	135.6	127.5	126.4	135.0	145.7	2,998
Clinical chorioamnionitis during labor	329,276	4,356	13.4	20.8	15.8	11.3	9.4	7.2	7.8	2,998
Moderate/heavy meconium staining of amniotic fluid	329,276	14,059	43.1	47.4	43.8	42.7	40.6	38.8	44.7	2,998
Fetal intolerance of labor	329,276	11,049	33.9	37.3	33.3	31.1	33.6	37.4	41.3	2,998
Epidural or spinal anesthesia during labor	329,276	188,046	576.3	589.3	566.0	561.5	585.9	609.0	604.6	2,998

 $^{1}$  Total number of births to residents of areas reporting specified labor and delivery characteristic.

<sup>2</sup> No response reported for characteristic of labor and delivery item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

 $^{\scriptscriptstyle 3}$  Includes other races not shown.

- <sup>4</sup> Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All states in the 12 state reporting area reported multiple race data for 2005. These multiple race data were bridged to the single race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."
- <sup>5</sup> Includes all persons of Hispanic origin of any race.

NOTE: Includes Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington. Table R-4. Live births by method of delivery, by age and race and Hispanic origin of mother: Total of 12 reporting states, 2005

[Percentages are number of live births with specified method of delivery per 100 live births in specified group]

Method of delivery and race and Hispanic origin of mother	All births	Method reported	All ages <sup>1</sup>	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
All races <sup>3</sup>						Percent -				
						10100110				
Attempted forceps/unsuccessful	1,268,502	7,165	0.6	0.7	0.6	0.6	0.5	0.5	0.5	60,764
Attempted vacuum extraction/unsuccessful	1,268,502	13,141	1.1	1.5	1.2	1.0	1.0	0.9	1.0	64,046
Petal presentation at birth										
Cephalic	1,268,502	1,129,245	92.9	94.3	94.0	93.1	92.0	91.2	89.9	53,433
Breech	1,268,502	48,608	4.0	2.9	3.2	3.9	4.7	5.2	6.1	53,433
Other	1,268,502	37,216	3.1	2.8	2.8	2.9	3.3	3.6	4.0	53,433
'inal route and method of delivery										
Vaginal/Spontaneous	1,268,502	787,723	63.4	70.1	67.9	64.6	59.5	54.3	48.8	26,632
Vaginal/Forceps	1,268,502	12,094	1.0	1.3	1.0	1.0	0.9	0.8	0.8	26,632
Vaginal/Vacuum	1,268,502	46,650	3.8	5.4	3.9	3.6	3.3	3.2	3.1	26,632
Cesarean	1,268,502	395,403	31.8	23.2	27.2	30.9	36.3	41.8	47.4	26,632
Cesarean/trial of labor attempted $^4$	395,403	117,119	30.8	50.0	36.3	30.5	25.6	23.1	22.7	15,029
Non-Hispanic white <sup>5</sup>										
Attempted forceps/unsuccessful	714,257	3,784	0.6	0.7	0.6	0.6	0.5	0.5	0.5	30,504
Attempted vacuum extraction/unsuccessful	714,257	7,035	1.0	1.5	1.2	1.0	0.9	0.9	0.9	32,902
'etal presentation at birth										
Cephalic	714,257	637,768	93.1	94.9	94.4	93.4	92.2	91.4	90.2	29,515
Breech	714,257	29,304	4.3	3.2	3.5	4.2	4.8	5.3	6.0	29,515
Other	714,257	17,670	2.6	1.9	2.1	2.4	2.9	3.3	3.7	29,515
inal route and method of delivery										
Vaginal/Spontaneous	714,257	437,940	63.1	69.2	67.6	64.8	60.0	55.4	49.9	19,74
Vaginal/Forceps	714,257	7,664	1.1	1.7	1.2	1.1	1.0	0.8	0.9	19,74
Vaginal/Vacuum	714,257	28,818	4.1	6.2	4.6	4.1	3.6	3.4	3.3	19,74
Cesarean	714,257	220,088	31.7	22.9	26.6	30.0	35.4	40.4	45.9	19,74
Cesarean/trial of labor attempted <sup>4</sup>	220,088	65,882	30.8	52.5	38.2	31.6	25.8	22.8	22.6	6,201
Non-Hispanic black <sup>5</sup>										
attempted forceps/unsuccessful	171,054	885	0.5	0.6	0.5	0.5	0.5	0.5	0.7	5,640
ttempted vacuum extraction/unsuccessful	171,054	1,456	0.9	1.0	0.9	0.9	0.8	0.8	0.9	5,916
'etal presentation at birth										
Cephalic	171,054	155,640	93.7	95.3	94.3	93.5	92.3	91.3	89.5	4,866
Breech	171,054	5,611	3.4	2.4	2.8	3.5	4.3	5.1	7.0	4,866
Other	171,054	4,937	3.0	2.4	2.9	3.0	3.4	3.6	3.5	4,866
inal route and method of delivery										
Vaginal/Spontaneous	171,054	105,709	62.7	69.1	66.0	62.6	56.9	50.2	44.9	2,462
Vaginal/Forceps	171,054	1,227	0.7	1.1	0.8	0.6	0.6	0.5	*	2,462
Vaginal/Vacuum	171,054	5,254	3.1	5.0	3.1	2.5	2.4	2.3	2.2	2,462
Cesarean	171,054	56,402	33.5	24.9	30.2	34.2	40.1	47.1	52.5	2,462
Cesarean/trial of labor attempted <sup>4</sup>	,				=		–	. –		2,777

#### Hispanic<sup>6</sup>

Attempted forceps/unsuccessful	329,276	2,199	0.7	0.9	0.7	0.7	0.6	0.5	0.7	20,670
Attempted vacuum extraction/unsuccessful	329,276	4,052	1.3	1.7	1.4	1.2	1.2	1.1	1.1	21,063
Fetal presentation at birth										
Cephalic	329,276	288,435	92.0	92.8	92.9	92.3	91.0	90.0	88.6	15,928
Breech	329,276	11,617	3.7	3.0	3.1	3.6	4.5	5.3	6.1	15,928
Other	329,276	13,296	4.2	4.2	4.1	4.1	4.5	4.7	5.3	15,928
Final route and method of delivery										
Vaginal/Spontaneous	329,276	211,814	64.8	71.7	69.2	65.2	58.9	52.8	47.2	2,596
Vaginal/Forceps	329,276	2,519	0.8	1.2	0.8	0.7	0.6	0.6	0.5	2,596
Vaginal/Vacuum	329,276	9,633	2.9	4.6	3.2	2.5	2.3	2.3	2.2	2,596
Cesarean	329,276	102,714	31.4	22.6	26.8	31.6	38.2	44.4	50.1	2,596
Cesarean/trial of labor attempted <sup>4</sup>	102,714	28,949	29.8	47.1	34.0	27.5	23.8	23.1	22.8	5,536

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

 $^{\scriptscriptstyle 1}$  Total number of births to residents of areas reporting the specified item

2 No response reported for method of delivery item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

<sup>3</sup> Includes other races not shown.

- <sup>4</sup> Cesarean/trial of labor attempted is number of women who attempted a trial of labor prior to cesarean delivery per 100 cesarean births.
- <sup>5</sup> Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All states in the 12 state reporting area reported multiple race data for 2005. These multiple race data were bridged to the single race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

<sup>6</sup> Includes all persons of Hispanic origin of any race.

NOTE: Includes Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.

Table R-5. Abnormal conditions of the newborn, by age and race and Hispanic origin of mother: Total of 12 reporting states, 2005

Abnormal condition and race and Hispanic origin of mother	All births <sup>1</sup>	Condition reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated $^2$
All races <sup>3</sup>										
Assisted ventilation required immediately following delivery	1,268,502	64,649	52.3	53.9	49.6	50.9	53.2	56.4	62.5	31,612
Assisted ventilation required for more than six hours	1,268,502	12,916	10.4	11.4	10.3	10.0	9.8	11.6	13.7	31,612
NICU admission	1,268,502		65.7		60.5	62.5	66.5	77.2	93.9	-
Surfactant replacement therapy given to newborn	1,268,502	-	3.7		3.6	3.6	3.3	3.9	4.8	
Antibiotics received by newborn for suspected neonatal sepsis	1,268,502		19.3			18.5	17.6	18.8	21.6	
Seizure/serious neurologic dysfunction	1,268,502		0.3		0.3	0.4	0.2	0.3	*	31,612
Significant birth injury	1,268,502	756	0.6	0.7	0.7	0.6	0.5	0.6	1.0	31,612
Non-Hispanic white <sup>4</sup>										
Assisted ventilation required immediately following delivery	714,257	38,715	56.0	56.6	53.6	54.4	56.9	59.4	66.2	22,432
Assisted ventilation required for more than six hours	714,257	7,621	11.0	11.8	11.3	10.7	10.0	12.0	13.8	22,432
NICU admission	714,257	45,318	65.5	64.6	60.8	62.4	66.4	74.8	90.1	22,432
Surfactant replacement therapy given to newborn	714,257	2,750	4.0	4.4	4.1	4.0	3.5	4.1	5.2	22,432
Antibiotics received by newborn for suspected neonatal sepsis	714,257	13,800	19.9	24.0	21.1	19.4	18.3	19.3	21.9	22,432
Seizure/serious neurologic dysfunction	714,257	272	0.4	0.6	0.4	0.4	0.3	0.4	*	22,432
Significant birth injury	714,257	470	0.7	0.9	0.7	0.7	0.6	0.6	*	22,432
Non-Hispanic black <sup>4</sup>										
Assisted ventilation required immediately following delivery	171,054	9,954	59.2	58.1	55.3	59.4	63.3	68.8	63.5	2,908
Assisted ventilation required for more than six hours	171,054	2,308	13.7	13.7	13.3	13.1	14.5	16.1	15.9	2,908
NICU admission	171,054	14,673	87.3	82.8	79.3	85.3	93.5	115.6	129.7	2,908
Surfactant replacement therapy given to newborn	171,054	766	4.6	4.8	3.9	5.0	4.7	4.8	*	2,908
Antibiotics received by newborn for suspected neonatal sepsis	171,054	3,355	20.0	22.1	19.3	18.9	19.1	21.9	22.7	2,908
Seizure/serious neurologic dysfunction	171,054	57	0.3	*	*	*	*	*	*	2,908
Significant birth injury	171,054	73	0.4	*	0.5	*	*	*	*	2,908
Hispanic <sup>5</sup>										
Assisted ventilation required immediately following delivery	329,276	13,449	41.3	48.5	39.6	39.0	39.8	43.0	50.2	3,913
Assisted ventilation required for more than six hours	329,276		7.7	9.7	6.8	7.1	7.6	8.8	11.8	-
NICU admission	329,276		55.2	58.3	49.5	51.7	57.0	69.4	88.2	3,913
Surfactant replacement therapy given to newborn	329,276		2.7	3.3	2.6	2.4	2.7	3.4	3.8	
Antibiotics received by newborn for suspected neonatal sepsis	329,276	5,825	17.9	23.6	18.3	16.4	15.1	16.5	20.8	3,913
Seizure/serious neurologic dysfunction	329,276	64	0.2	*	*	0.3	*	*	*	3,913
Significant birth injury	329,276	190	0.6	0.6	0.6	0.5	0.5	*	*	3,913

[Rates are number of live births with specified condition per 1,000 live births in specified group]

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

- Quantity zero.

<sup>1</sup> Total number of births to residents of areas reporting specified abnormal condition

<sup>2</sup> No response reported for abnormal condition of the newborn item. Includes births to residents of states using the 2003 Standard Certificat of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

- <sup>4</sup> Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All states in the 12 state reporting area reported multiple race data for 2005. These multiple race data were bridged to the single race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."
- <sup>5</sup> Includes all persons of Hispanic origin of any race.

NOTE: Includes Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington.

<sup>&</sup>lt;sup>3</sup> Includes other races not shown.

Table R-6. Number and rate of live births by congenital anomaly of the newborn, by age of mother: Total of 12 reporting states, 2005

[Rates are number of live births with specified anomaly per 100,000 live births in specified group]

Congenital anomaly	All births	Congenital anomaly reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated <sup>2</sup>
Total										
Anencephaly	1,268,502	158	12.8	*	17.0	9.8	13.2	*	*	33,842
Menigomyelocele/spina bifida	1,268,502	216	17.5	17.4	14.8	19.1	15.8	23.8	*	33,842
Cyanotic congenital heart disease	1,268,502	702	56.9	59.4	48.7	54.0	57.5	68.5	107.6	33,842
Congenital diaphragmatic hernia	1,268,502	190	15.4	*	15.4	13.4	17.6	20.1	*	33,842
Omphalocele	1,268,502	119	9.6	*	7.7	8.9	9.9	*	*	33,842
Gastroschisis	1,268,502	349	28.3	105.1	37.3	15.2	7.3	*	*	33,842
Limb reduction defect	1,268,502	282	22.8	26.8	25.0	23.0	20.5	17.9	*	33,842
Cleft lip with or without cleft	1,268,502	779	63.1	74.6	72.1	62.3	55.7	41.7	84.0	33,842
Cleft palate alone	1,268,502	319	25.8	24.6	30.8	26.0	21.6	22.3	*	33,842
Down syndrome	1,268,502	695	56.3	35.5	32.1	30.7	48.0	140.0	403.4	33,842
Suspected chromosomal disorder	1,268,502	529	42.8	31.2	36.7	40.3	35.9	61.8	171.4	33,842
Hypospadias <sup>3</sup>	1,268,502	798	64.6	61.6	59.5	67.4	67.4	67.8	*	33,842
Males only <sup>4</sup>	649,802	798	126.2	120.2	116.1	131.4	131.9	132.3	*	17,422

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

<sup>1</sup> Total number of births to residents of areas reporting specified congenital anomaly.

<sup>2</sup> No response reported for congenital anomaly of the newborn item; includes births to residents of states using the 2003 Standard Certificate of Live Birth occurring in states using the 1989 Standard Certificate of Live Birth.

<sup>3</sup> Denominator includes both male and female births.

<sup>4</sup> Denominator includes males only.

NOTE: Includes Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, and Washington. Table U-I-1. Number of live births by drinking status and percent drinkers by age of mother: Total of 36 reporting States, New York City and the District of Columbia, 2005

					Age	e of mothe	·			
Drinking status	All ages	Under 15 -	1	5-19 years		20-24	25-29	30-34	35-39	40-54
Ĵ	C C	years	Total	15-17 years	18-19 years	years	years	years	years	years
					Numbe	er				
All births										
Total	2,314,670	3,710	226,464	71,609	154,855	582,991	642,369	532,733	266,060	60,343
Drinker	15,789	10	1,047	312	735	3,415	3,603	3,888	2,988	838
Nondrinker Not stated	2,264,979 33,902	3,663 37	222,859 2,558	70,513 784	152,346 1,774	572,174 7,402	629,219 9,547	520,252 8,593	258,455 4,617	58,357 1,148
					Percer	nt				
All births										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Drinker	0.7	*	0.5	0.4	0.5	0.6	0.6	0.7	1.1	1.4
Nondrinker	99.3	99.7	99.5	99.6	99.5	99.4	99.4	99.3	98.9	98.6

NOTES: Excludes data for California, which did not require reporting of alcohol use during pregnancy.

Also excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City),

Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth between 2003 and 2005; see "Technical Notes" of "Births: Final Data

for 2005."

## [Rates are number of live births with specified medical risk factor per 1,000 live births in specified group]

		Medical				Age of mo	ther			
Medical risk factor	All births 1	risk factor reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2
Anemia 3	2,863,552	60,733	21.4	30.2	25.8	19.9	17.3	17.4	18.1	30,374
Cardiac disease 3	2,863,552	11,071	3.9	2.2	2.8	3.6	4.8	5.7	7.5	30,374
Acute or chronic lung disease 3	2,863,552	35,307	12.5	15.1	12.9	12.0	11.8	11.7	12.1	30,374
Diabetes	4,138,349	158,705	38.5	11.9	22.0	36.2	50.8	67.0	86.9	11,278
Genital herpes 3	2,863,552	26,490	9.3	6.7	8.4	8.7	10.2	12.5	13.1	30,374
Hydramnios/Oligohydramnios 3	2,863,552	38,933	13.7	14.5	13.4	13.4	13.5	14.1	17.7	30,374
Hemoglobinopathy 3	2,863,552	2,568	0.9	1.2	1.0	0.8	0.8	0.9	1.2	30,374
Hypertension, chronic	4,138,349	42,744	10.4	3.7	6.1	9.3	12.8	18.7	29.2	11,278
Hypertension, pregnancy-associated	4,138,349	164,864	39.9	43.3	39.5	39.5	38.0	40.4	50.8	11,278
Eclampsia 4	3,665,154	10,797	3.0	3.9	2.9	2.7	2.7	3.0	4.0	9,156
Incompetent cervix 3	2,863,552	8,540	3.0	1.5	2.1	2.8	3.7	4.6	4.8	30,374
Previous infant 4000+ grams 3	2,863,552	25,352	8.9	0.9	4.6	8.9	12.9	15.0	17.7	30,374
Previous preterm or small-for-										
gestational-age infant 3	2,863,552	33,350	11.8	3.5	10.4	12.7	13.5	14.7	16.3	30,374
Renal disease 3	2,863,552	8,440	3.0	3.1	3.4	3.2	2.7	2.5	1.9	30,374
Rh sensitization 3	2,863,552	17,749	6.3	4.9	5.8	6.4	6.7	7.3	6.5	30,374
Uterine bleeding 3	2,863,552	12,967	4.6	3.3	4.0	4.4	5.1	5.6	6.6	30,374

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

1 Total number of births to residents of areas reporting specified medical risk factor.

2 No response reported for the medical risk factor item.

3 Excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth between 2003 and 2005; see "Technical Notes" of "Births: Final Data for 2005."

4 Excludes data for Idaho, Kentucky, Nebraska, Pennsylvania, South Carlolina, Tennessee and Washington which did not report this risk factor.

Table U-I-3. Live births with selected obstetric procedures and rates: United States, 2005

Obstetric procedure	All births 1	Procedure reported	Rate	Not stated 2	
Amniocentesis 3	2,863,552	39,483	13.9	28,393	
Electronic fetal monitoring 3	2,863,552	2,412,623	851.0	28,393	
Induction of labor	4,138,349	919,835	222.7	7,784	
Stimulation of labor 3	2,863,552	448,356	158.1	28,393	
Tocolysis	4,138,349	82,818	20.1	9,929	
Ultrasound 3	2,863,552	1,980,780	698.6	28,393	

[Rates are number of live births with specified obstetric procedure\* per 1,000 live births in specified group]

1 Total number of births to residents of areas reporting specified obstetric procedure.

2 No response reported.

3 Excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth between 2003 and 2005; see "Technical Notes" of "Births: Final Data for 2005." [Rates are number of live births with specified complication per 1,000 live births in specified group]

			Age of mother									
Complication	All births 1	Complication reported	All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2		
Febrile 3	2,863,552	43,414	15.3	20.1	16.0	15.2	14.8	12.2	11.0	29,390		
Meconium, moderate/heavy	4,138,349	190,164	46.0	53.0	47.4	45.3	43.9	43.6	43.1	8,787		
Premature rupture of membrane 3	2,863,552	56,459	19.9	21.5	19.5	19.4	19.6	20.6	23.2	29,390		
Abruptio placenta 3	2,863,552	15,196	5.4	5.1	5.2	5.1	5.3	6.1	8.0	29,390		
Placenta previa 3	2,863,552	9,739	3.4	1.0	1.8	2.9	4.6	6.4	10.1	29,390		
Other excessive bleeding 3	2,863,552	15,929	5.6	5.3	5.1	5.3	5.9	6.5	8.3	29,390		
Seizures during labor 3	2,863,552	868	0.3	0.6	0.4	0.2	0.2	0.3	0.3	29,390		
Precipitous labor	4,138,349	82,633	20.0	13.7	18.8	20.6	21.7	23.1	22.1	13,067		
Prolonged labor 3	2,863,552	20,625	7.3	9.1	7.7	7.0	6.9	6.5	6.3	29,390		
Dysfunctional labor 3	2,863,552	77,587	27.4	29.9	27.0	26.9	26.7	27.7	30.9	29,390		
Breech/Malpresentation	4,138,349	193,151	47.1	36.5	38.9	45.3	53.3	60.2	71.0	34,095		
Cephalopelvic disproportion 3	2,863,552	41,578	14.7	16.7	14.3	14.5	14.6	14.5	14.5	29,390		
Cord prolapse 3	2,863,552	4,230	1.5	1.2	1.3	1.5	1.5	1.9	1.8	29,390		
Anesthetic complication 3	2,863,552	1,369	0.5	0.4	0.4	0.5	0.5	0.5	0.6	29,390		
Fetal distress 3	2,863,552	107,093	37.8	44.5	38.3	36.1	35.3	38.2	43.9	29,390		

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

1 Total number of births to residents of areas reporting specified complication.

2 No response reported for the complications item.

 Excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth between 2003 and 2005; see "Technical Notes" of "Births: Final Data for 2005."

Table U-I-5. Live births with selected congenital anomalies and rates by age of mother: Total of 49 reporting States and the District of Columbia, 2005

### [Rates are number of live births with specified congenital anomaly per 100,000 live births in specified group]

		Congenital	Age of mother								
Congenital anomaly	All births 1	anomaly reported	All ages	Under 20 vears	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2	
Anencephalus	4,109,514	462	11.3	12.1	12.9	10.6	11.5	9.4	*	21,871	
Spina bifida/Meningocele	4,109,514	734	18.0	18.1	18.1	17.8	18.6	17.2	*	21,871	
Hydrocephalus 3	2,834,717	540	19.3	22.6	20.8	20.8	16.7	13.7	*	35,968	
Microcephalus 3	2,834,717	147	5.3	*	5.9	4.6	6.0	*	*	35,968	
Other central nervous system anomalies 3	2,834,717	632	22.6	30.3	21.1	19.3	21.9	25.1	36.0	35,968	
Heart malformations 3	2,834,717	3,520	125.8	113.6	118.8	118.1	126.6	149.1	199.0	35,968	
Other circulatory/respiratory anomalies 3	2,834,717	4,366	156.0	152.3	145.1	142.4	162.0	183.5	231.1	35,968	
Rectal atresia/stenosis 3	2,834,717	199	7.1	8.4	6.9	7.3	6.4	6.3	*	35,968	
Tracheo-esophageal fistula/Esophageal atresia 3	2,834,717	314	11.2	12.8	9.1	12.0	11.2	11.4	*	35,968	
Omphalocele/Gastroschisis	4,109,514	1,340	32.8	93.3	43.9	23.4	14.8	16.5	20.0	21,871	
Other gastrointestinal anomalies 3	2,834,717	949	33.9	40.9	34.4	31.2	32.0	33.2	50.1	35,968	
Malformed genitalia 3	2,834,717	2,011	71.9	66.8	78.3	69.9	71.4	65.5	82.2	35,968	
Renal agenesis 3	2,834,717	352	12.6	12.4	12.4	13.3	11.8	12.3	*	35,968	
Other urogenital anomalies 3	2,834,717	2,701	96.5	101.5	96.0	92.7	96.2	97.7	118.1	35,968	
Cleft lip/palate	4,109,514	3,233	79.1	77.9	91.0	78.3	73.2	65.7	88.3	21,871	
Polydactyly/Syndactyly/Adactyly 3	2,834,717	2,050	73.2	97.2	84.6	68.3	64.4	57.1	80.9	35,968	
Clubfoot 3	2,834,717	1,490	53.2	59.9	59.8	52.6	45.1	49.9	60.3	35,968	
Diaphragmatic hernia 3	2,834,717	268	9.6	9.9	10.3	8.6	9.0	10.8	*	35,968	
Other musculoskeletal/integumental anomalies 3	2,834,717	5,602	200.2	250.9	215.8	194.9	176.2	183.8	205.4	35,968	
Down's syndrome	4,109,514	2,003	49.0	24.6	28.2	26.7	40.8	118.0	332.4	21,87 <sup>-</sup>	
Other chromosomal anomalies 3	2,834,717	787	28.1	24.5	20.7	22.5	23.0	48.4	118.1	35,968	

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

1 Total number of births to residents of areas reporting specified congenital anomaly.

2 No response reported for the congenital anomalies item.

Excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth between 2003 and 2005; see "Technical Notes" of "Births: Final Data for 2005."

NOTE: Excludes data for New Mexico, which did not report congenital anomalies.

Table U-I-6. Live births with selected abnormal conditions of the newborn and rates by age of mother: Total of 37 States, New York City and the District of Columbia, 2005

Abnormal condition	All	Abnormal condition reported	Age of mother								
	births 1		All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2	
Anemia	2,863,552	2,719	1.0	0.9	0.8	1.0	1.0	1.1	1.2	34,894	
Birth injury	2,863,552	8,698	3.1	3.6	3.3	3.1	2.8	2.7	2.5	34,894	
Fetal alcohol syndrome 3	2,792,568	81	0.0	*	*	0.0	*	*	*	34,791	
Hyaline membrane disease/RDS	2,863,552	16,268	5.8	6.3	5.9	5.6	5.4	5.7	6.5	34,894	
Meconium aspiration syndrome	2,863,552	3,561	1.3	1.7	1.3	1.2	1.2	1.1	1.1	34,894	
Assisted ventilation less than 30 minutes 4	2,746,045	41,503	15.3	16.0	14.7	14.7	15.4	16.6	17.2	29,946	
Assisted ventilation 30 minutes or longer 4	2,746,045	24,542	9.0	9.8	9.1	8.4	8.7	9.8	11.1	29,946	
Seizures	2,863,552	1,319	0.5	0.6	0.5	0.4	0.4	0.4	0.3	34,894	

[Rates are number of live births with specified abnormal condition per 1,000 live births in specified group]

\* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

0.0 Quantity more than zero but less than 0.05.

1 Total number of births to residents of areas reporting specified abnormal condition.

2 No response reported for the abnormal condition item.

3 Wisconsin does not report this condition.

4 New York City does not report this condition.

Excludes data for Florida, Idaho, Kansas, Kentucky, Nebraska, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, Texas, Vermont and Washington which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth between 2003 and 2005; see "Technical Notes" of "Births: Final Data for 2005."

	Total –	5-minute Agpar score											
Race of mother	TOTAL	0	1	2	3	4	5	6	7	8	9	10	Not stated
All races 1,2	3,589,467	1,995	7,155	3,835	4,057	5,488	9,987	21,198	56,583	298,725	2,979,322	180,170	20,952
White	2,784,017	1,288	4,200	2,436	2,692	3,794	7,103	15,458	42,840	235,319	2,303,837	150,180	14,870
Black	600,882	617	2,642	1,252	1,182	1,477	2,504	4,889	11,354	49,767	498,982	21,579	4,637

1 Includes races other than white and black.

2 Excludes data for California, which did not report 5-minute Apgar score on the birth certificate.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977

Office of Management and Budget standards. Nineteen States reported multiple race data for 2005. The multiple race data for these States were bridged to the single race categories of the 1977 Office of Mangement and Budget

standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2005."