

Data Brief 124: Changes in Cesarean Delivery Rates by Gestational Age: United States, 1996–2011

Data table for Figures 1 and 2. Cesarean delivery rates, by gestational age: United States, 1996–2010 final and 2011 preliminary

Year	Period of gestation										
	Preterm			Term							
	All births	Very preterm	Late preterm	Early			Full				
				Total 37–38 weeks	37 weeks	38 weeks	Total 39–40 weeks	39 weeks	40 weeks	Late	Postterm
2011	31.3	46.8	36.3	32.2	32.8	32.0	30.1	33.7	24.8	27.3	28.8
2010	31.3	47.0	36.3	32.9	32.8	33.0	29.7	33.0	24.8	27.2	28.9
2009	31.3	46.4	36.1	33.6	33.1	33.8	29.3	32.4	24.9	27.5	28.9
2008	30.8	45.3	35.6	33.4	32.8	33.8	28.6	31.6	24.5	26.9	28.5
2007	30.3	45.0	35.0	33.4	32.2	34.0	27.6	30.2	24.0	26.6	27.9
2006	29.6	44.3	34.3	32.8	31.5	33.4	26.8	29.2	23.6	26.0	27.1
2005	28.8	44.3	33.5	31.9	30.8	32.4	26.1	28.5	22.9	25.5	26.5
2004	27.6	42.9	32.1	30.1	29.1	30.6	25.2	27.7	22.1	24.9	25.8
2003	26.1	41.1	30.4	28.9	27.9	29.4	23.6	25.9	20.9	23.6	24.4
2002	24.7	39.8	28.9	27.3	26.2	27.8	22.4	24.5	19.9	22.5	23.3
2001	23.2	38.0	26.9	25.3	24.4	25.7	21.0	22.9	18.8	21.5	22.1
2000	21.7	36.3	25.3	23.3	22.8	23.5	20.0	21.8	17.9	20.2	21.1
1999	20.8	35.2	24.2	22.5	21.9	22.7	18.9	20.4	17.2	19.7	20.2
1998	20.0	34.5	23.3	21.6	20.9	21.9	18.2	19.6	16.6	19.2	19.7
1997	19.7	33.4	22.9	21.2	20.4	21.6	18.0	19.5	16.4	18.8	19.7
1996	19.7	32.5	22.8	20.6	20.2	20.8	18.2	19.8	16.6	18.9	19.9

NOTES: Data for 2011 are preliminary. Cesarean delivery rates refers to percentage of all live singleton births delivered by cesarean.
SOURCE: CDC/NCHS, National Vital Statistics System.

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Data table for Figures 3 and 4. Cesarean delivery at 38 and 39 weeks, by age and race and Hispanic origin of mother: United States, 2009 final, 2011 preliminary, and percent change 2009–2011

Race and Hispanic origin and age of mother	Percent ¹		Percent change	Percent ¹		Percent change
	2009	2011		2009	2011	
	38 weeks			39 weeks		
All races						
Total	33.8	32.0	–5.3	32.4	33.7	4.0
Under 25	26.5	24.7	–6.8	26.2	26.5	1.1
25–34	34.9	32.9	–5.7	33.3	34.7	4.2
35 or over	45.2	42.9	–5.1	42.8	44.1	3.0
Non-Hispanic white						
Total	34.2	32.2	–5.8	32.6	33.5	2.8
Under 25	27.2	25.1	–7.7	26.6	26.5	*
25–34	34.6	32.5	–6.1	32.8	34.0	3.7
35 or over	44.9	42.5	–5.3	42.2	43.4	2.8
Non-Hispanic black						
Total	33.9	32.4	–4.4	34.0	35.3	3.8
Under 25	27.7	25.8	–6.9	28.4	28.8	*
25–34	37.0	35.4	–4.3	37.1	38.4	3.5
35 or over	48.4	46.2	–4.5	46.7	48.4	3.6
Hispanic						
Total	33.3	31.7	–4.8	31.2	33.1	6.1
Under 25	25.4	23.8	–6.3	24.5	25.5	4.1
25–34	36.0	33.9	–5.8	33.7	35.6	5.6
35 or over	46.1	44.1	–4.3	43.1	44.9	4.2

¹Change not statistically significant at 0.05 level.
²Refers to all live singleton births delivered by cesarean.
 NOTE: Data for 2011 are preliminary.
 SOURCE: CDC/NCHS, National Vital Statistics System.

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Data table for Figure 5. Cesarean delivery at 38 and 39 weeks, by state: Final 2009, preliminary 2011, and percent change 2009–2011

Area	Percent ¹		Percent change	Percent ¹		Percent change
	2009	2011		2009	2011	
	38 weeks			39 weeks		
Total	33.8	32.0	-5.3	32.4	33.7	4.0
Alabama	34.4	33.5	*	34.8	34.4	*
Alaska	25.2	21.9	-13.1	24.1	23.0	*
Arizona	28.5	27.1	-4.9	25.7	26.5	3.1
Arkansas	35.4	34.2	*	33.9	33.2	*
California	35.1	33.1	-5.7	32.5	34.7	6.8
Colorado	25.3	23.2	-8.3	26.9	26.7	*
Connecticut	35.3	33.4	-5.4	36.3	37.7	3.9
Delaware	35.1	30.2	-14.0	36.7	35.1	*
District of Columbia	32.0	30.7	*	32.4	33.5	*
Florida	40.2	37.7	-6.2	37.0	38.6	4.3
Georgia	33.7	32.7	-3.0	33.1	34.0	2.7
Hawaii	26.4	21.3	-19.3	27.1	25.8	*
Idaho	23.9	23.3	*	24.2	25.1	*
Illinois	30.8	29.3	-4.9	31.4	33.1	5.4
Indiana	32.1	30.3	-5.6	29.0	30.7	5.9
Iowa	28.5	29.0	*	32.1	32.3	*
Kansas	31.5	31.0	*	29.3	30.0	*
Kentucky	36.6	35.7	*	35.2	37.1	5.4
Louisiana	38.9	38.5	*	37.5	39.2	4.5
Maine	32.7	30.9	*	31.2	34.0	9.0
Maryland	32.7	32.7	*	33.4	36.2	8.4
Massachusetts	33.5	30.9	-7.8	34.6	35.4	*
Michigan	32.0	30.2	-5.6	32.5	35.2	8.3
Minnesota	27.7	25.8	-6.9	28.3	28.3	*
Mississippi	37.8	37.2	*	35.8	36.2	*
Missouri	32.1	30.3	-5.6	31.1	32.1	3.2
Montana	30.1	29.4	*	28.5	29.0	*
Nebraska	32.6	29.9	-8.3	31.1	31.5	*
Nevada	34.4	31.9	-7.3	32.0	33.4	4.4
New Hampshire	33.3	30.0	-9.9	33.0	35.1	*
New Jersey	42.1	38.1	-9.5	39.7	41.4	4.3
New Mexico	23.7	23.7	*	20.9	22.3	6.7
New York	35.3	33.3	-5.7	35.3	36.1	2.3
North Carolina	31.2	28.5	-8.7	31.6	32.0	*
North Dakota	30.9	28.6	*	28.3	29.5	*
Ohio	30.2	28.8	-4.6	31.1	32.3	3.9
Oklahoma	37.2	34.5	-7.3	32.6	33.6	*
Oregon	30.8	28.6	-7.1	29.8	30.8	*
Pennsylvania	32.0	29.4	-8.1	33.3	34.0	2.1
Rhode Island	28.2	28.7	*	36.6	37.5	*
South Carolina	34.8	32.7	-6.0	35.2	35.8	*
South Dakota	28.3	27.6	*	23.7	25.0	*
Tennessee	33.7	32.7	-3.0	33.0	33.5	*
Texas	36.9	34.9	-5.4	33.1	34.7	4.8
Utah	21.6	20.3	-6.0	21.4	21.5	*
Vermont	27.3	27.3	*	32.3	33.0	*
Virginia	33.9	33.3	*	34.0	35.4	4.1
Washington	31.0	28.2	-9.0	30.3	31.8	5.0
West Virginia	38.1	37.9	*	36.1	36.9	*
Wisconsin	26.9	26.1	*	26.2	27.4	4.6
Wyoming	31.4	29.2	*	26.5	25.6	*

*Change not statistically significant at 0.05 level.

¹Refers to all live singleton births delivered by cesarean.

NOTE: Data for 2011 are preliminary.

SOURCE: CDC/NCHS, National Vital Statistics System.