

# Statistics



## Percent of live births by cesarean delivery by race and Hispanic origin of mother: United States, each State and territory, final 2004 and preliminary 2005

[By place of residence. Data are based on a continuous file of records received from the States]



Area	All races <sup>1</sup>		White total <sup>2</sup>		Non-Hispanic white <sup>2</sup>		Black total <sup>2</sup>		Hispanic <sup>3</sup>	
	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004
United States <sup>4</sup>	30.2	29.1	29.9	28.8	30.4	29.2	32.3	30.8	28.9	28.0
Alabama	31.8	31.3	32.0	31.1	32.8	31.8	31.7	31.8	24.2	24.2
Alaska	22.0	20.9	25.0	23.9	24.8	23.2	29.3	26.5	23.2	21.9
Arizona	24.7	23.3	24.8	23.5	26.8	25.5	27.1	25.1	23.1	21.6
Arkansas	31.5	31.0	31.1	30.6	31.9	31.4	33.6	33.1	25.5	24.9
California	30.3	29.3	30.1	29.0	30.7	29.9	34.9	33.3	29.7	28.6
Colorado	24.6	23.8	24.5	23.8	25.9	24.7	26.3	24.7	21.9	21.9
Connecticut	32.4	30.1	32.3	30.0	32.8	30.8	33.9	31.6	30.6	27.1
Delaware	29.9	30.3	29.3	30.1	29.8	31.0	31.5	31.1	27.8	26.1
District of Columbia	30.6	30.2	30.5	30.6	31.0	31.5	30.9	30.1	25.2	25.1
Florida	34.9	33.2	35.1	33.4	33.8	32.0	34.8	32.8	37.1	35.7
Georgia	30.4	29.2	29.6	28.6	31.5	30.0	32.2	30.4	23.4	23.5
Hawaii	25.6	24.2	24.7	23.8	24.2	23.5	23.0	22.5	26.2	24.7
Idaho	22.6	22.2	22.4	22.1	22.3	21.9	21.9	26.4	23.3	23.3
Illinois	28.8	27.5	28.5	27.3	29.7	28.4	29.8	27.9	25.9	25.0
Indiana	28.2	27.0	27.9	26.8	28.1	26.9	29.8	28.6	26.8	25.9
Iowa	26.7	26.3	26.8	26.3	26.8	26.3	25.0	27.4	26.8	26.7
Kansas	28.9	28.1	28.9	27.9	29.3	28.4	29.9	30.2	26.7	25.4
Kentucky	33.9	32.1	33.9	32.2	34.0	32.4	33.7	30.3	30.8	28.2
Louisiana	36.9	32.2	37.9	33.2	38.0	33.1	35.9	31.0	36.0	33.4
Maine	28.3	27.7	28.3	27.6	28.4	27.6	28.9	25.8	22.4	31.8
Maryland	31.1	30.4	30.2	29.3	30.9	29.9	32.8	32.4	25.8	25.8
Massachusetts	32.2	30.9	32.4	31.1	33.3	31.8	32.7	32.0	27.0	26.7
Michigan	28.8	27.9	28.7	27.8	28.9	28.0	29.2	28.2	27.1	25.9
Minnesota	25.3	24.3	25.8	25.0	26.0	25.2	25.8	23.9	21.9	22.0
Mississippi	35.1	33.1	35.3	33.6	35.8	34.0	34.9	32.7	25.7	24.6
Missouri	29.7	28.9	29.7	29.0	30.0	29.2	29.7	28.2	26.4	25.5
Montana	25.8	25.6	25.3	24.8	25.2	24.6	*	38.5	29.3	30.9
Nebraska	28.9	29.1	28.9	29.4	29.4	30.0	29.5	26.5	25.6	26.0
Nevada	30.9	29.4	30.1	28.6	33.5	31.4	36.6	33.6	26.3	25.3
New Hampshire	28.0	27.0	28.0	27.0	28.0	27.2	26.4	27.8	28.7	29.1
New Jersey	36.3	34.9	36.0	34.8	36.8	35.4	37.5	35.9	34.5	33.7

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New Mexico	22.2	21.3	22.7	22.1	23.6	23.0	30.6	23.6	22.2	21.4
New York	31.5	30.5	31.4	30.6	32.0	31.2	32.9	31.6	29.9	29.4
North Carolina	29.3	28.4	28.8	27.9	30.3	29.3	31.1	30.1	23.3	22.4
North Dakota	26.4	25.2	26.2	24.8	26.4	25.0	24.2	26.3	27.3	27.4
Ohio	28.1	26.9	28.1	26.8	28.2	26.8	28.6	27.4	26.1	26.3
Oklahoma	32.5	30.9	32.2	30.8	32.9	31.4	34.0	32.2	28.0	27.2
Oregon	27.6	26.5	27.3	26.3	27.8	26.7	30.6	32.1	25.7	24.9
Pennsylvania	28.8	27.6	29.0	27.8	29.1	27.9	27.9	27.0	27.6	25.7
Rhode Island	30.2	28.8	30.9	29.3	32.4	31.1	29.7	27.2	27.0	25.8
South Carolina	32.7	31.5	32.7	31.5	33.0	31.8	32.7	31.8	29.7	27.0
South Dakota	25.1	25.5	25.1	25.5	25.2	25.7	27.3	24.8	20.7	22.3
Tennessee	31.1	30.2	31.5	30.6	31.9	31.0	29.8	28.8	26.4	25.5
Texas	32.6	31.4	32.2	31.0	34.1	32.6	35.7	34.3	30.8	29.9
Utah	21.6	20.4	21.4	20.3	20.9	19.7	27.7	20.0	24.4	23.9
Vermont	25.9	24.1	25.8	24.0	25.9	24.1	32.0	*	*	*
Virginia	31.4	30.3	30.8	29.8	31.5	30.2	32.0	31.0	27.1	27.3
Washington	27.8	27.3	27.6	27.0	27.8	27.2	30.3	32.6	26.1	25.7
West Virginia	34.1	33.3	34.1	33.3	34.1	33.3	37.5	32.6	26.2	31.1
Wisconsin	23.7	22.7	24.3	23.1	24.4	23.3	21.8	20.5	23.1	21.3
Wyoming	24.6	24.4	24.6	24.1	24.2	23.7	*	*	27.8	28.4
Puerto Rico	47.3	47.7	47.4	48.0	---	---	46.1	45.0	---	---
Virgin Islands	27.9	25.0	29.0	27.4	30.4	28.4	27.5	24.4	29.1	26.8
Guam	27.6	27.0	23.0	25.6	23.5	25.1	*	*	*	*
American Samoa	---	---	---	---	---	---	---	---	---	---
Northern Marianas	22.8	21.1	*	*	---	---	*	*	---	---

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

--- Data not available.

1 Includes races other than white and black.

2 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 all or part of 2005. The multiple-race data for these states were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other states; see "Technical Notes" of "Births: Preliminary Data for 2005." Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes" of "Births: Preliminary Data for 2005."

3 Includes all persons of Hispanic origin of any race; see "Technical Notes" of "Births: Preliminary Data for 2005."

4 Excludes data for the territories.

NOTE: For information on the relative standard errors of the data and further discussion, see "Technical Notes" of "Births: Preliminary Data for 2005."

Source: CDC, and the hard work of Stacey Gregg, Chapter Leader Morris County NJ

A cesarean is now the most common major operation performed in America. Two-thirds of all cesareans are performed on first time moms with a vertex presentation or are elective, repeat cesareans on moms with a vertex presentation and one prior low-transverse incision. Cesarean rates are lowest for teenage mothers and increase steadily with maternal age. The 1999 cesarean rate for mothers in their 30s and 40s is approximately double that for teenagers. Of women who attempt VBAC, over 80% succeed.

## US Cesarean Rate for 2002: 26.1%

Source: CDC

### Cesarean Rates by State, 2002

**United States 26.1%**  
an increase of 7% over 2001

<b>Alabama</b>	28.7	<b>Montana</b>	23.0
<b>Alaska</b>	19.4	<b>Nebraska</b>	26.7
<b>Arizona</b>	21.3	<b>Nevada</b>	25.7
<b>Arkansas</b>	29.1	<b>New Hampshire</b>	24.1
<b>California</b>	26.8	<b>New Jersey</b>	30.9
<b>Colorado</b>	21.1	<b>New Mexico</b>	19.1
<b>Connecticut</b>	26.1	<b>New York</b>	27.2
<b>Delaware</b>	27.3	<b>North Carolina</b>	26.3
<b>District of Columbia</b>	26.6	<b>North Dakota</b>	23.1
<b>Florida</b>	28.5	<b>Ohio</b>	23.4
<b>Georgia</b>	25.9	<b>Oklahoma</b>	28.1
<b>Hawaii</b>	21.4	<b>Oregon</b>	23.4
<b>Idaho</b>	19.7	<b>Pennsylvania</b>	24.9
<b>Illinois</b>	23.9	<b>Rhode Island</b>	26.0
<b>Indiana</b>	24.9	<b>South Carolina</b>	28.6
<b>Iowa</b>	24.8	<b>South Dakota</b>	24.6
<b>Kansas</b>	24.8	<b>Tennessee</b>	27.5
<b>Kentucky</b>	27.8	<b>Texas</b>	27.9
<b>Louisiana</b>	30.4	<b>Utah</b>	19.1
<b>Maine</b>	25.7	<b>Vermont</b>	21.1
<b>Maryland</b>	27.5	<b>Virginia</b>	26.8
<b>Massachusetts</b>	28.0	<b>Washington</b>	24.0
<b>Michigan</b>	24.9	<b>West Virginia</b>	29.3
<b>Minnesota</b>	22.2	<b>Wisconsin</b>	20.6
<b>Mississippi</b>	31.1	<b>Wyoming</b>	21.1
<b>Missouri</b>	25.7		

More data available at the [National Vital Statistics System](#) and the [National Center for Health Statistics](#).

- [Cesarean and VBAC Rates by Year](#)
- [International Cesarean and VBAC Rates](#)
- [Mortality Rates](#)



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