

2015 PREMATURE BIRTH REPORT CARD

PRETERM BIRTH RATES IN UNITED STATES' CITIES

The 100 cities in the United States with the greatest number of births are graded based on their 2013 preterm birth rates.

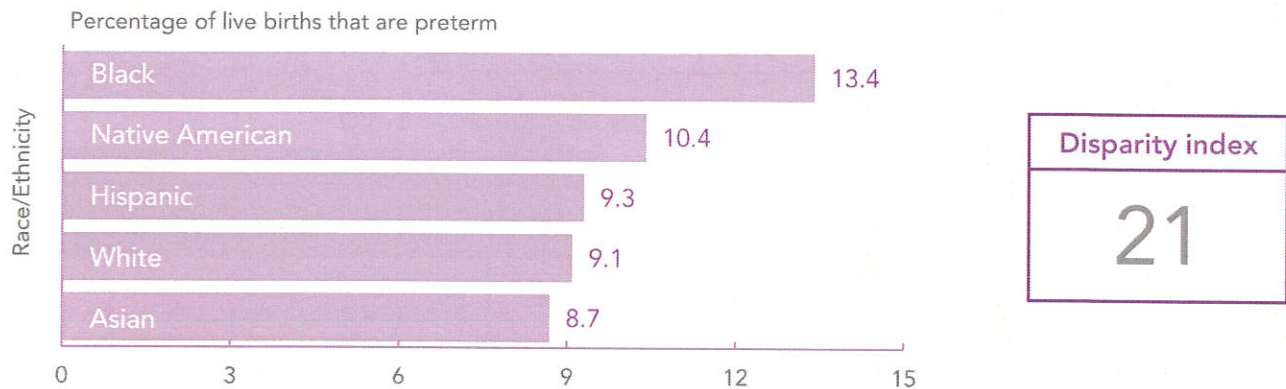
City	Rate	Grade	City	Rate	Grade	City	Rate	Grade
Albuquerque, NM	10.1	C	Fresno, CA	10.2	C	Oklahoma City, OK	10.0	C
Anaheim, CA	8.5	B	Glendale, AZ	10.1	C	Omaha, NE	10.1	C
Anchorage, AK	9.1	B	Grand Rapids, MI	10.2	C	Orlando, FL	10.0	C
Arlington, TX	11.2	D	Greensboro, NC	10.4	D	Oxnard, CA	7.8	A
Atlanta, GA	11.5	F	Honolulu, HI	9.9	C	Philadelphia, PA	11.2	D
Aurora, CO	9.1	B	Houston, TX	10.8	D	Phoenix, AZ	10.0	C
Austin, TX	10.0	C	Indianapolis, IN	10.8	D	Pittsburgh, PA	10.4	D
Bakersfield, CA	9.3	C	Irving, TX	8.7	B	Portland, OR	7.2	A
Baltimore, MD	12.2	F	Jacksonville, FL	10.8	D	Raleigh, NC	8.9	B
Baton Rouge, LA	13.0	F	Jersey City, NJ	12.0	F	Reno, NV	8.8	B
Birmingham, AL	13.1	F	Kansas City, MO	9.3	C	Riverside, CA	8.6	B
Boston, MA	9.3	C	Knoxville, TN	11.0	D	Rochester, NY	10.2	C
Brownsville, TX	10.1	C	Laredo, TX	8.8	B	Sacramento, CA	8.5	B
Buffalo, NY	11.4	D	Las Vegas, NV	10.5	D	Salt Lake City, UT	9.6	C
Charlotte, NC	10.0	C	Lexington-Fayette, KY	10.3	C	San Antonio, TX	11.5	F
Chicago, IL	10.4	D	Lincoln, NE	8.2	B	San Bernardino, CA	9.7	C
Chula Vista, CA	9.1	B	Long Beach, CA	8.7	B	San Diego, CA	8.3	B
Cincinnati, OH	11.8	F	Los Angeles, CA	9.3	C	San Francisco, CA	8.6	B
Cleveland, OH	13.7	F	Louisville, KY	10.5	D	San Jose, CA	8.3	B
Colorado Springs, CO	10.0	C	Lubbock, TX	12.0	F	San Juan*, PR	9.8	C
Columbus, OH	11.6	F	Memphis, TN	13.7	F	Santa Ana, CA	8.2	B
Corpus Christi, TX	11.4	D	Mesa, AZ	8.6	B	Seattle, WA	8.1	A
Dallas, TX	10.3	C	Miami, FL	11.3	D	Shreveport, LA	18.8	F
Denver, CO	8.4	B	Milwaukee, WI	10.8	D	Spokane, WA	8.6	B
Des Moines, IA	9.6	C	Minneapolis, MN	8.8	B	St. Louis, MO	12.5	F
Detroit, MI	13.0	F	Modesto, CA	8.3	B	St. Paul, MN	8.0	A
District of Columbia	10.4	D	Nashville, TN	10.1	C	Stockton, CA	10.2	C
Durham, NC	9.9	C	New Orleans, LA	12.1	F	Tacoma, WA	8.4	B
El Paso, TX	11.1	D	New York, NY	8.9	B	Tampa, FL	10.9	D
Fayetteville, NC	10.9	D	Newark, NJ	12.2	F	Toledo, OH	10.4	D
Fontana, CA	8.5	B	Norfolk, VA	11.0	D	Tucson, AZ	8.9	B
Fort Wayne, IN	10.2	C	North Las Vegas, NV	10.3	C	Tulsa, OK	12.4	F
Fort Worth, TX	10.1	C	Oakland, CA	8.2	B	Virginia Beach, VA	9.3	C
						Wichita, KS	9.7	C

*Data shown for San Juan are for the municipality of San Juan, PR.
 Preterm is less than 37 weeks gestation based on obstetric estimate. City refers to mother's city of residence.
 Source: National Center for Health Statistics, final natality data 2013.

2015 PREMATURE BIRTH REPORT CARD

RACE & ETHNICITY IN THE UNITED STATES

The March of Dimes ranks states and localities based on a disparity index, which provides a measure of differences in preterm birth rates across racial/ethnic groups within a geographic area. The index compares the rate within each racial/ethnic group to the lowest rate in the area (2011 to 2013 average). The state or locality with the lowest index number is ranked #1, and the highest is ranked #50.



RACE & ETHNICITY DISPARITY INDEX BY STATE

Rank	State	Index	Rank	State	Index	Rank	State	Index
#1	Maine	3	#18	New Jersey	21	#35	West Virginia	29
#2	Utah	14	#19	Iowa	21	#36	Alaska	30
#3	Massachusetts	14	#20	Idaho	22	#36	Nebraska	30
#4	Texas	15	#21	Wisconsin	22	#38	Kentucky	31
#5	Arizona	15	#22	Missouri	23	#39	South Carolina	32
#6	Virginia	16	#23	New Hampshire	24	#40	Pennsylvania	32
#7	Maryland	16	#24	New York	24	#41	Indiana	33
#8	Florida	16	#25	Delaware	24	#41	Wyoming	33
#9	New Mexico	17	#26	Oklahoma	24	#43	Arkansas	34
#10	Colorado	18	#27	Georgia	24	#44	Tennessee	34
#11	Connecticut	18	#28	Washington	25	#45	Alabama	34
#12	Michigan	18	#29	Montana	26	#46	Louisiana	38
#13	Oregon	19	#30	North Carolina	26	#47	Hawaii	40
#14	Nevada	19	#31	North Dakota	26	#48	Ohio	42
#15	Rhode Island	19	#32	Minnesota	26	#49	Mississippi	43
#16	California	19	#33	South Dakota	27	#50	District of Columbia	45
#17	Illinois	20	#34	Kansas	28			

Preterm is less than 37 weeks gestation based on obstetric estimate.
 Race categories include only women of non-Hispanic ethnicity.
 Disparity index not available for Puerto Rico and Vermont due to inadequate numbers.
 Source: National Center for Health Statistics, final natality data 2011-2013.

2015 PREMATURE BIRTH REPORT CARD

TECHNICAL NOTES

PRETERM BIRTH: DEFINITION AND SOURCE

Premature or preterm birth is birth less than 37 weeks gestation based on the obstetric estimate of gestational age. Data used in this report card come from the National Center for Health Statistics (NCHS) natality files, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. This national data source is used so that data are comparable for each state- and jurisdiction-specific premature birth report card. Therefore, data provided on the report card may differ from data obtained directly from state or local health departments and vital statistics agencies, due to timing of data submission and handling of missing data. The preterm birth rate used to assign the grade shown at the top of the report card is from the NCHS 2014 final natality data. The city or county preterm birth rates and grades are calculated from the NCHS 2013 final natality data, while the preterm birth rates by race/ethnicity are calculated from the NCHS 2011-2013 final natality data. Preterm birth rates are calculated as the number of preterm births divided by the number of live births with known gestational age multiplied by 100.

GRADING METHODOLOGY

Grade ranges were established in 2015 based on standard deviations of final 2014 state and District of Columbia preterm birth rates away from the March of Dimes goal of 8.1% by 2020. Grades were determined using the following scoring formula: (preterm birth rate of each jurisdiction – 8.1%) / standard deviation of final 2014 state and District of Columbia preterm birth rates. The resulting scores were rounded to one decimal place and assigned a grade. See Table.

SELECTION OF CITIES

The U.S. report card displays preterm birth rates and grades for 100 U.S. cities, including the municipality of San Juan, Puerto Rico. This list represents the U.S. cities with the greatest number of live births. Two cities tied for the 100th largest city; the city with the higher preterm birth rate was selected for display on the report card. Grades for the top 100 cities are assigned based on criteria described above. Cities are sorted alphabetically.

Grade	Preterm birth rate range Scoring criteria
A	Preterm birth rate less than or equal to 8.1% Score less than or equal to 0.0
B	Preterm birth rate of 8.2% to 9.2% Score greater than 0.0, but less than or equal to 1.0
C	Preterm birth rate of 9.3% to 10.3% Score greater than 1.0, but less than or equal to 2.0
D	Preterm birth rate of 10.4% to 11.4% Score greater than 2.0, but less than or equal to 3.0
F	Preterm birth rate greater than or equal to 11.5% Score greater than 3.0

PRETERM BIRTH BY RACE/ETHNICITY OF THE MOTHER

Race and Hispanic ethnicity are reported separately on the birth certificate. Rates for Hispanic women include all racial categories (white, black, Native American, Asian). Rates for non-Hispanic women are classified according to race. The Native American category includes American Indian or Alaska Native. The Asian category includes Asian or Pacific Islander and Native Hawaiian. In order to provide stable rates, three years of data were aggregated (2011-2013) and a numerator of 20 in each year (2011, 2012, 2013) was required for a category to appear on the report card. Preterm birth rates for not stated/unknown race are not shown on the report card.

PRETERM BIRTH DISPARITY INDEX AND RANK

The March of Dimes index of racial/ethnic disparity (“disparity index”) in preterm birth provides a measure of the differences, or disparities, in preterm birth rates across racial/ethnic groups within a geographic area. The index was developed by the March of Dimes Perinatal Data Center and is calculated for each U.S. state with adequate numbers, the District of Columbia and the total United States.

To calculate the disparity index, the lowest preterm birth rate among the displayed racial/ethnic groups is identified for a geographic area and used as the comparison rate. The percent difference between the preterm birth rate and the comparison rate is calculated for each of the remaining racial/ethnic groups. The percent differences are then averaged to produce the index number, displayed as an integer. The disparity index number can be 0 or greater, with 0 representing no difference between groups. The unrounded index number for each geographic area is ranked against all other geographic areas, with the rank of #1 indicating the least disparity. The U.S. disparity index is not ranked.

CALCULATIONS

All calculations were conducted by the March of Dimes Perinatal Data Center.