

Cesarean Births

Cesarean Live Births

INDICATOR:	Cesarean births
DEFINITION:	The proportion of live births delivered via Cesarean section (c-section)
NUMERATOR:	The number of Cesarean live births, by place of residence, in a calendar year
DENOMINATOR:	The total number of live births, by place of residence, in a calendar year
RISK FACTORS:	Older maternal age, previous c-section, pregnancy complications, sexually transmitted disease, obesity, diabetes, extreme neonatal birth weight

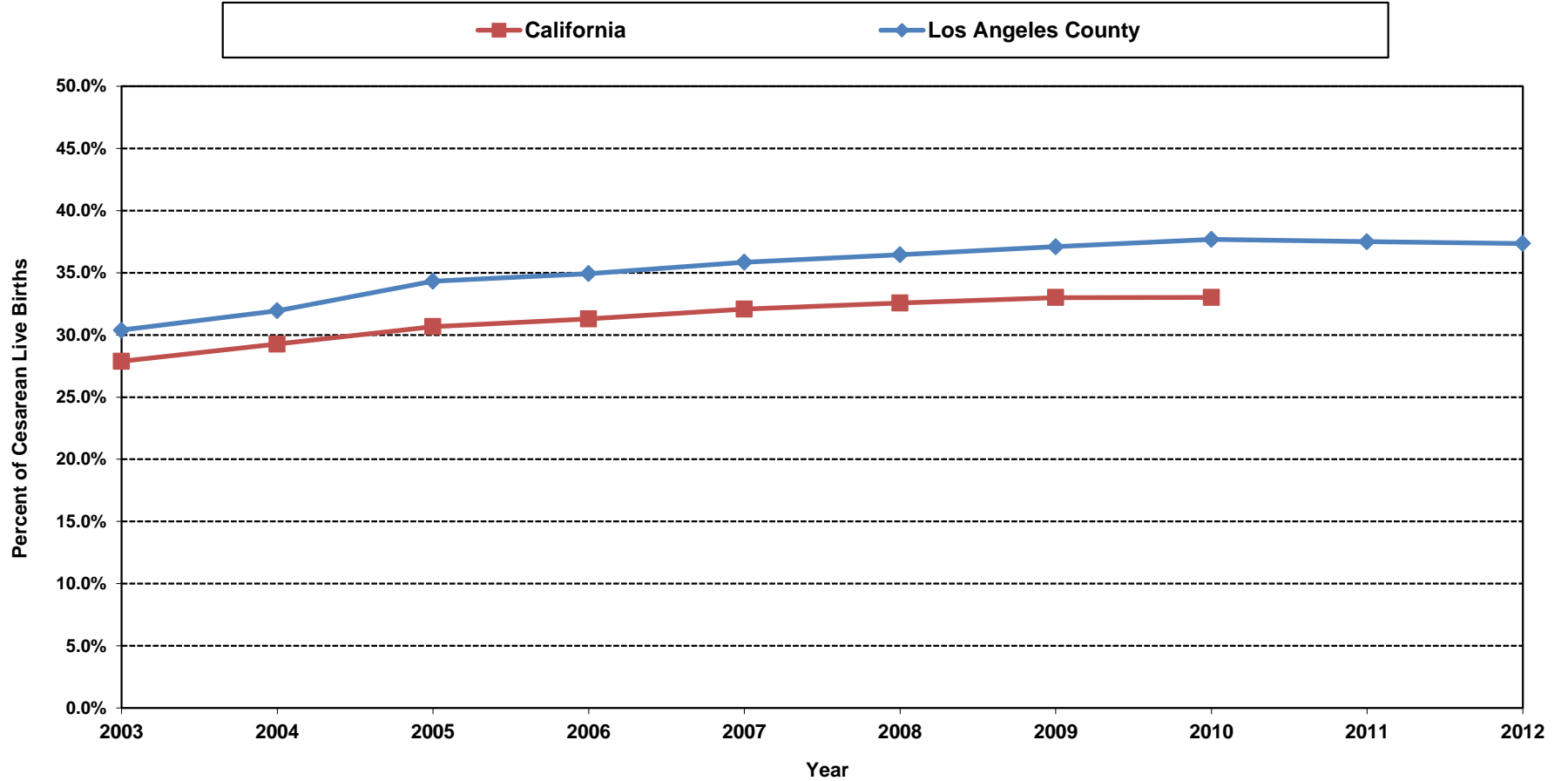
Year	California				Los Angeles County			
	Total C-Section Live Births		95% Confidence Interval		Total C-Section Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2003	150,821	27.9%	23.4%	32.0%	46,243	30.4%	25.7%	33.8%
2004	159,413	29.3%	24.7%	33.4%	48,398	31.9%	27.2%	35.5%
2005	168,274	30.7%	26.0%	34.9%	51,596	34.3%	29.4%	38.1%
2006	175,943	31.3%	26.7%	35.6%	53,034	34.9%	30.0%	38.8%
2007	181,574	32.1%	27.4%	36.4%	54,431	35.9%	30.9%	39.8%
2008	179,626	32.6%	27.8%	37.0%	53,838	36.5%	31.4%	40.5%
2009	173,878	33.0%	28.1%	37.5%	51,813	37.1%	31.9%	41.3%
2010	168,379	33.0%	28.0%	37.6%	50,186	37.7%	32.4%	42.0%
2011	not available	N/C	N/C	N/C	48,864	37.5%	32.1%	41.9%
2012	not available	N/C	N/C	N/C	49,197	37.4%	32.0%	41.7%

Denominator: Total Live Births		
Year	California	LA County
2003	540,827	152,192
2004	544,685	151,504
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697

Note: California 2011 and 2012 type of delivery data is currently unavailable. Rates are not calculated (N/C).

Sources: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2003-2012.

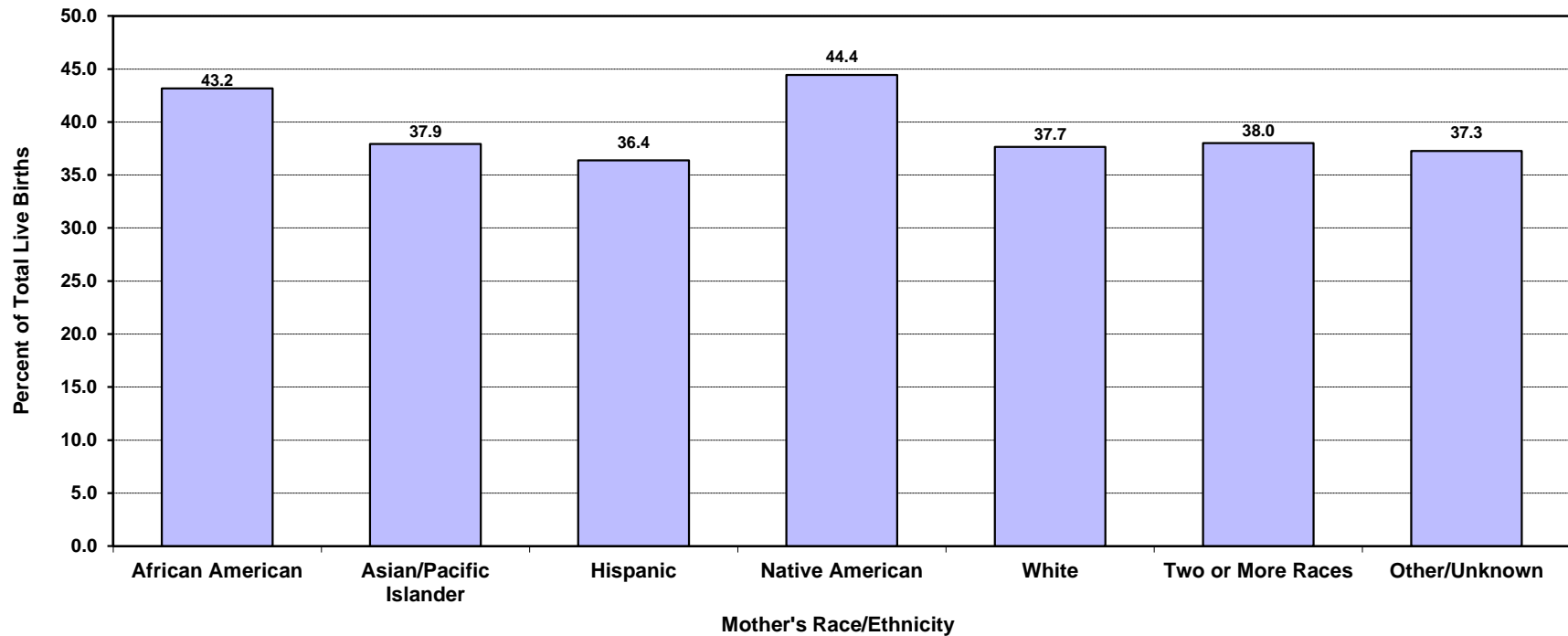
Percent of Cesarean Live Births California vs. Los Angeles County, 2003-2012



Note: California 2011 and 2012 data on type of delivery is not available.

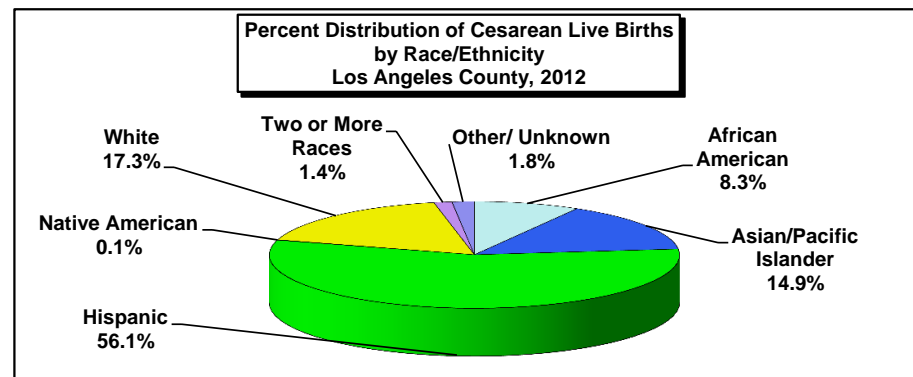
Sources: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2003-2012.

**Cesarean Live Births, as Percent of Total Live Births by Mother's Race/Ethnicity
Los Angeles County, 2012**



Mother's Race/Ethnicity	Los Angeles County, 2012			
	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	4,106	43.2	42.2	44.2
Asian/Pacific Islander	7,351	37.9	37.2	38.6
Hispanic	27,606	36.4	36.0	36.7
Native American	52	44.4	35.4	53.4
White	8,520	37.7	37.0	38.3
Two or More Races	698	38.0	35.8	40.2
Other/Unknown	864	37.3	35.3	39.2
Total	49,197	37.4	37.1	37.6

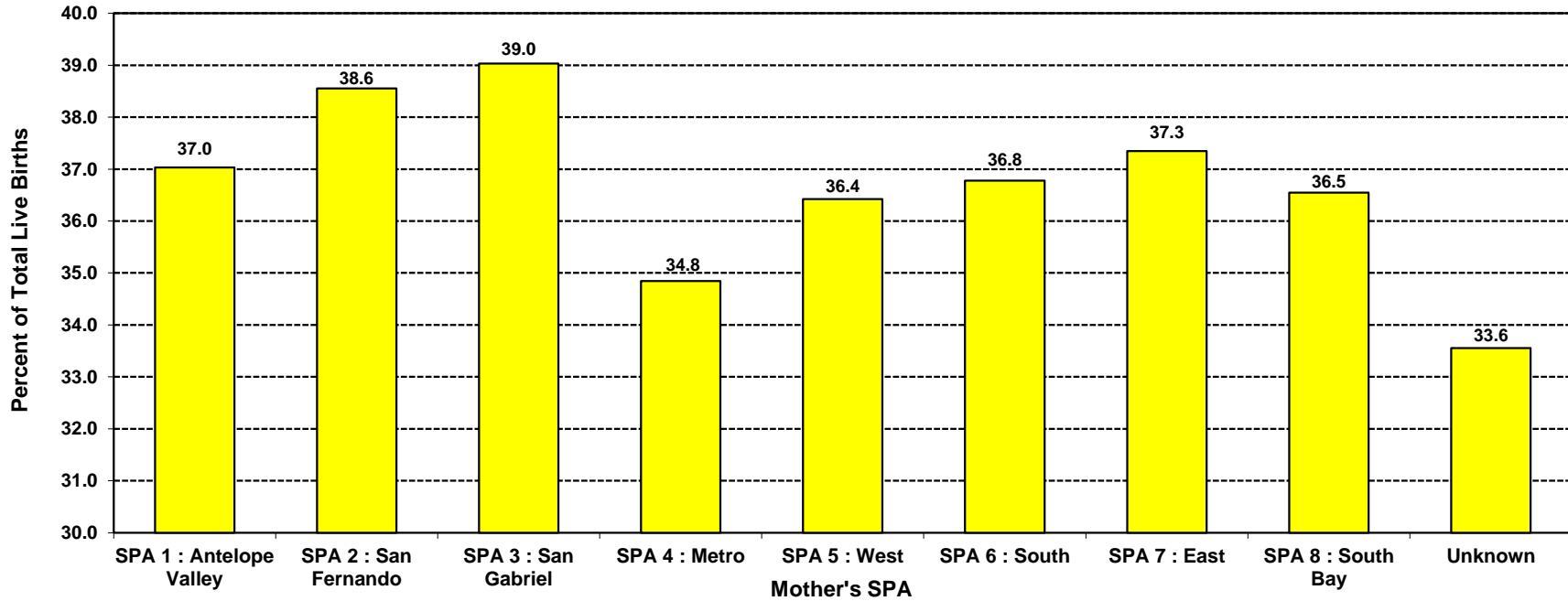
Total Live Births
9,514
19,389
75,899
117
22,623
1,837
2,318
131,697



Note: Racial/ethnic categorization has been revised in this report; data from previous year reports may not be comparable. African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

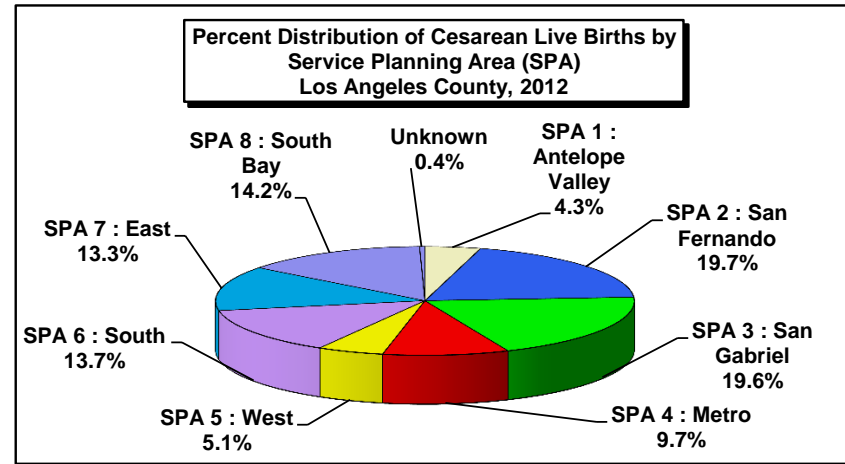
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by Service Planning Area (SPA)
Los Angeles County, 2012**



Los Angeles County, 2012				
Service Planning Area (SPA)	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
SPA 1 : Antelope Valley	2,111	37.0	35.8	38.3
SPA 2 : San Fernando	9,675	38.6	37.9	39.2
SPA 3 : San Gabriel	9,629	39.0	38.4	39.6
SPA 4 : Metro	4,773	34.8	34.0	35.6
SPA 5 : West	2,515	36.4	35.3	37.6
SPA 6 : South	6,759	36.8	36.1	37.5
SPA 7 : East	6,547	37.3	36.6	38.1
SPA 8 : South Bay	6,985	36.5	35.9	37.2
Unknown	203	33.6	29.8	37.3
Total	49,197	37.4	37.1	37.6

Total Live Births
5,701
25,097
24,669
13,698
6,905
18,379
17,531
19,112
605
131,697

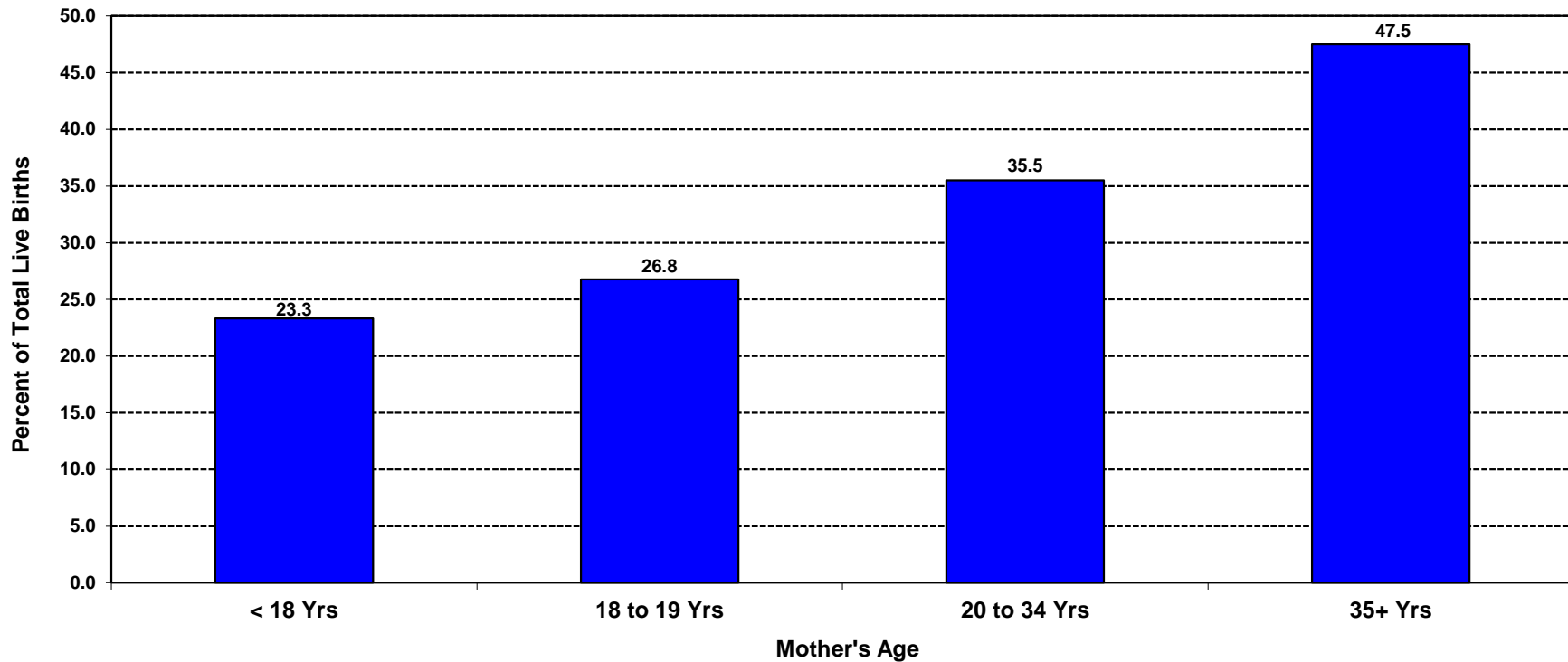


Note: SPA 8 includes Catalina Island.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

July 1, 2010 Population Estimates, prepared by Walter R. McDonald & Associates, Inc. (WRMA) for Urban Research, Los Angeles County ISD, released September 30, 2012.

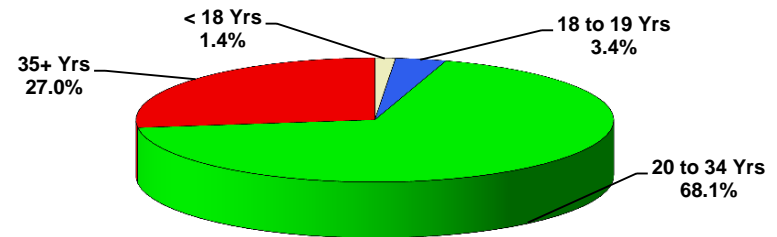
**Cesarean Live Births, as Percent of Total Live Births by Mother's Age
Los Angeles County, 2012**



Los Angeles County, 2012				
Mother's Age	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
< 18 Yrs	684	23.3	21.8	24.9
18 to 19 Yrs	1,692	26.8	25.7	27.9
20 to 34 Yrs	33,523	35.5	35.2	35.8
35+ Yrs	13,298	47.5	46.9	48.1
Total	49,197	37.4	37.1	37.6

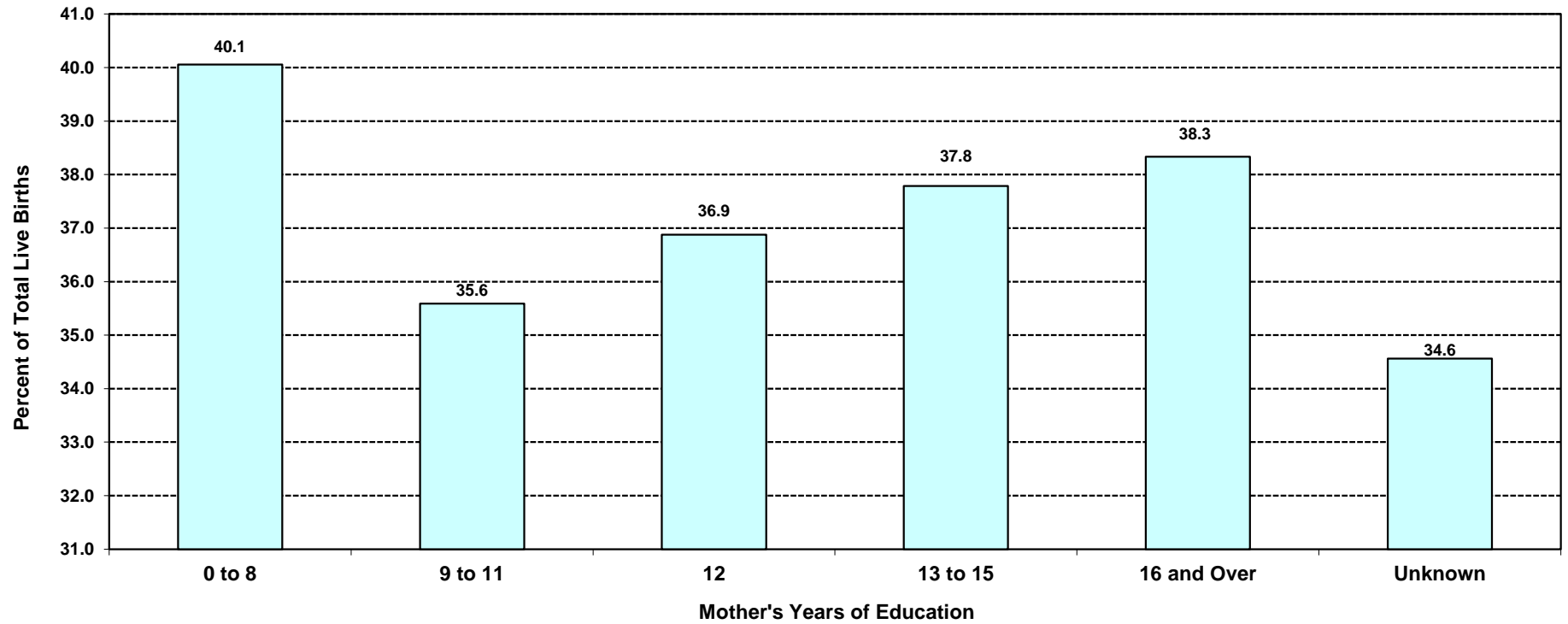
Total Live Births
2,933
6,320
94,434
27,995
131,697

**Percent Distribution of Cesarean Live Births by Mother's Age
Los Angeles County, 2012**



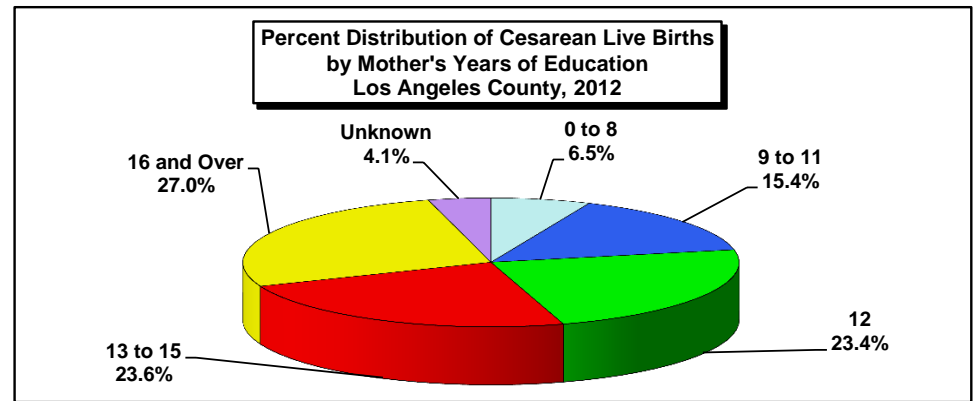
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by Mother's Years of Education
Los Angeles County, 2012**



Los Angeles County, 2012				
Mother's Years of Education	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	3,195	40.1	39.0	41.1
9 to 11	7,576	35.6	34.9	36.2
12	11,512	36.9	36.3	37.4
13 to 15	11,627	37.8	37.2	38.3
16 and Over	13,287	38.3	37.8	38.8
Unknown	2,000	34.6	33.3	35.8
Total	49,197	37.4	37.1	37.6

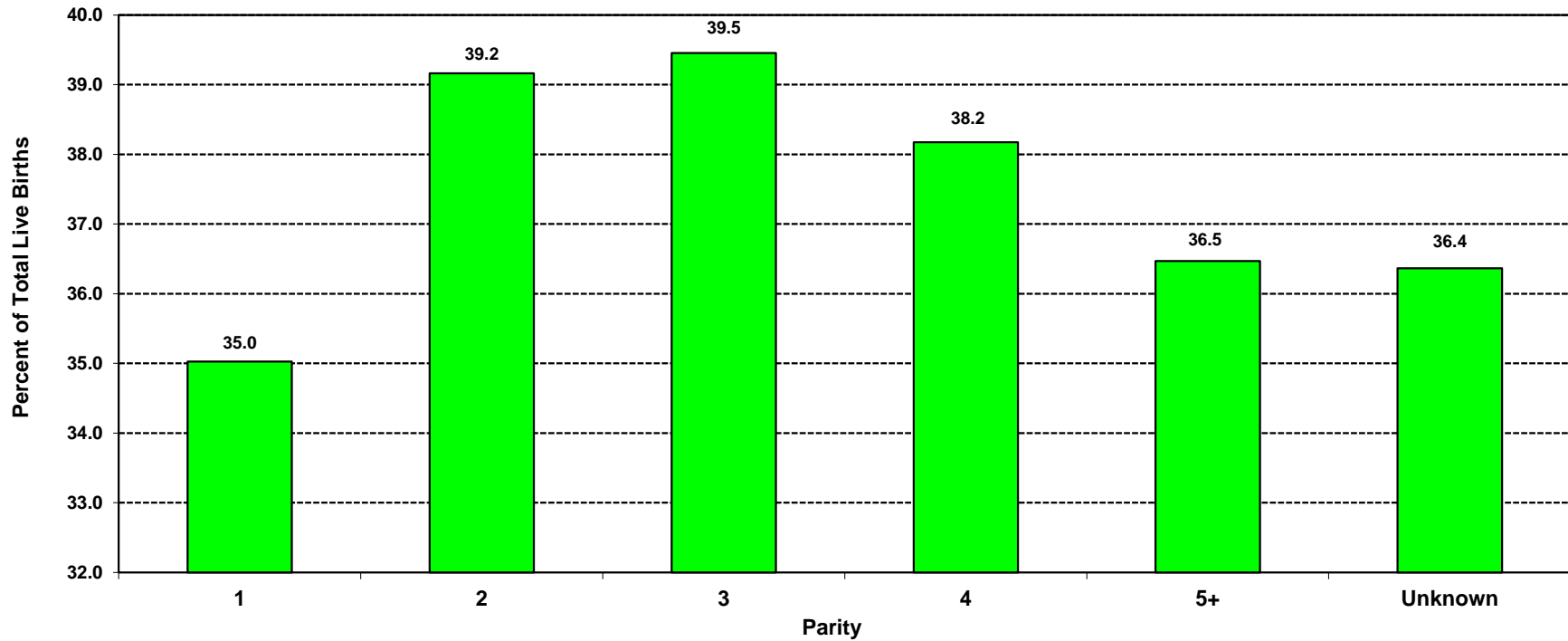
Total Live Births
7,976
21,288
31,217
30,770
34,659
5,787
131,697



Note: This analysis did not adjust for teen mothers who may not be old enough to have reached a higher categorical education level.

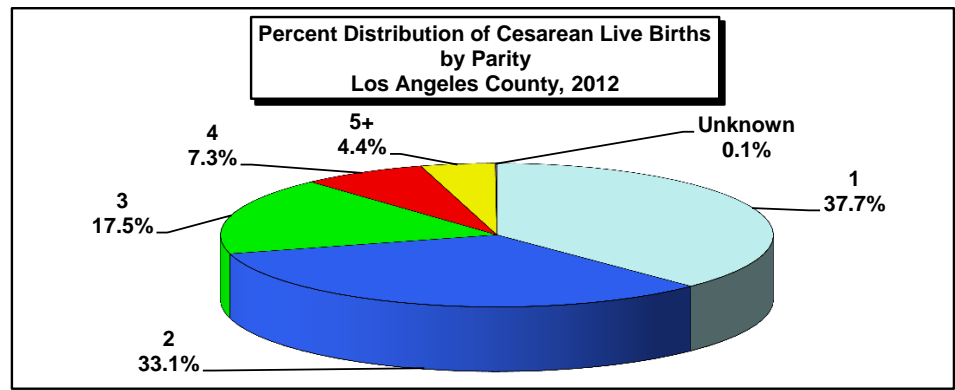
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by Parity
Los Angeles County, 2012**



Los Angeles County, 2012				
Parity	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	18,527	35.0	34.6	35.4
2	16,291	39.2	38.7	39.6
3	8,590	39.5	38.8	40.1
4	3,602	38.2	37.2	39.2
5+	2,143	36.5	35.2	37.7
Unknown	44	36.4	27.8	44.9
Total	49,197	37.4	37.1	37.6

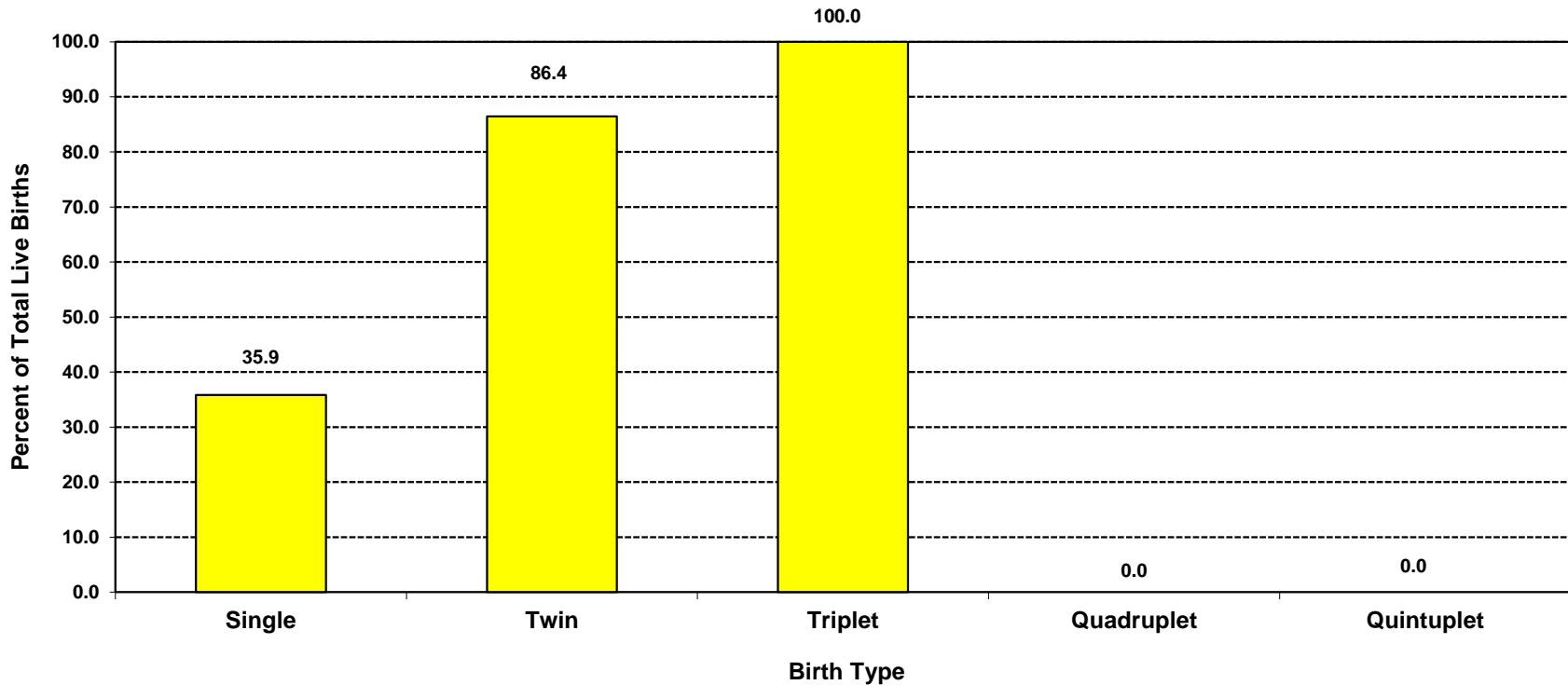
Total Live Births
52,895
41,597
21,772
9,436
5,876
121
131,697



Note: Parity = number of pregnancies resulting in live births to a woman.

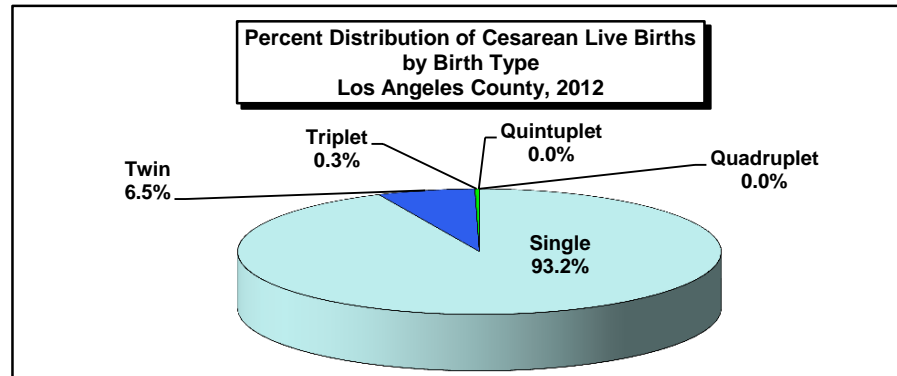
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by Birth Type
Los Angeles County, 2012**



Los Angeles County, 2012				
Birth Type	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Single	45,831	35.9	35.6	36.1
Twin	3,222	86.4	85.3	87.5
Triplet	144	100.0	100.0	100.0
Quadruplet	<5	N/C	N/C	N/C
Quintuplet	<5	N/C	N/C	N/C
Total	49,197	37.4	37.1	37.6

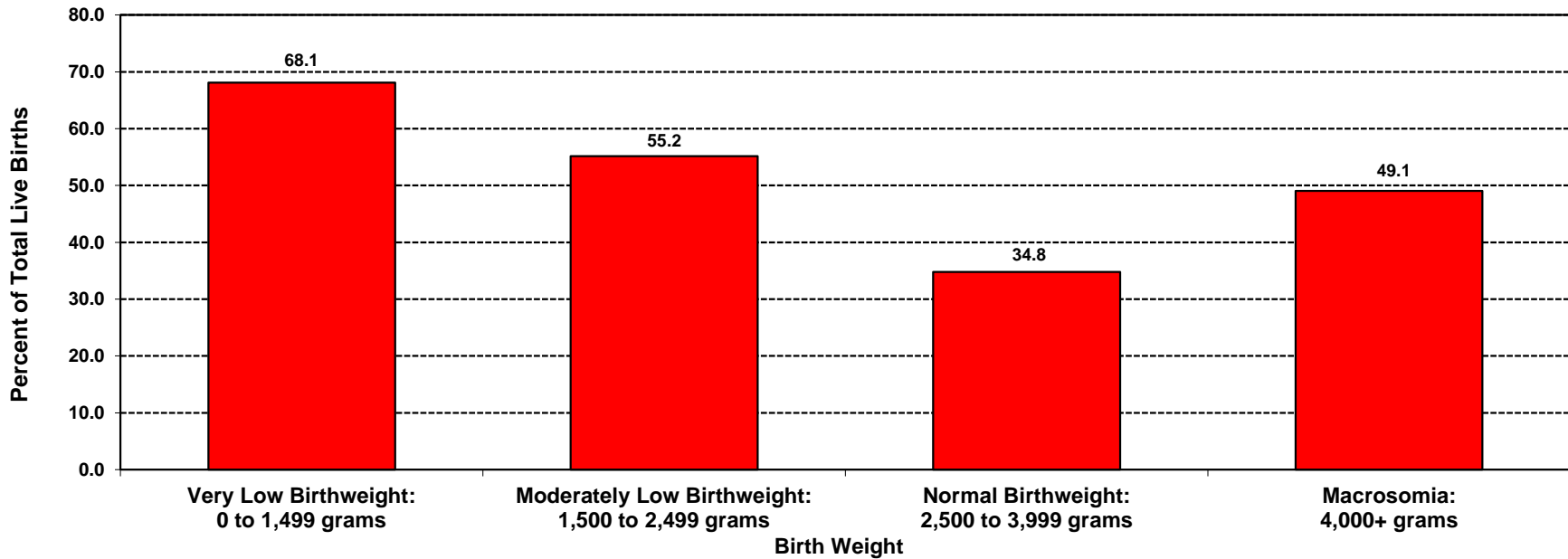
Total Live Births
127,824
3,728
144
<5
<5
131,697



Note: Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

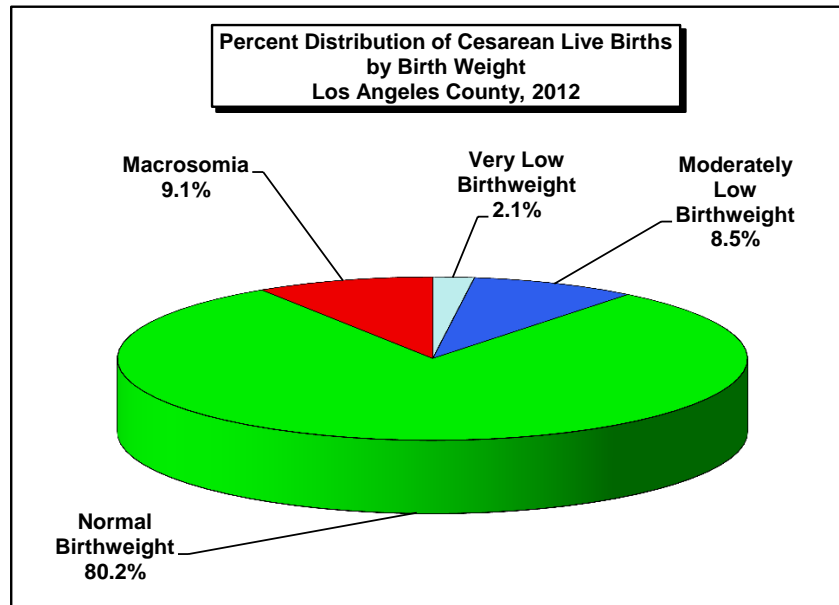
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by Birth Weight
Los Angeles County, 2012**



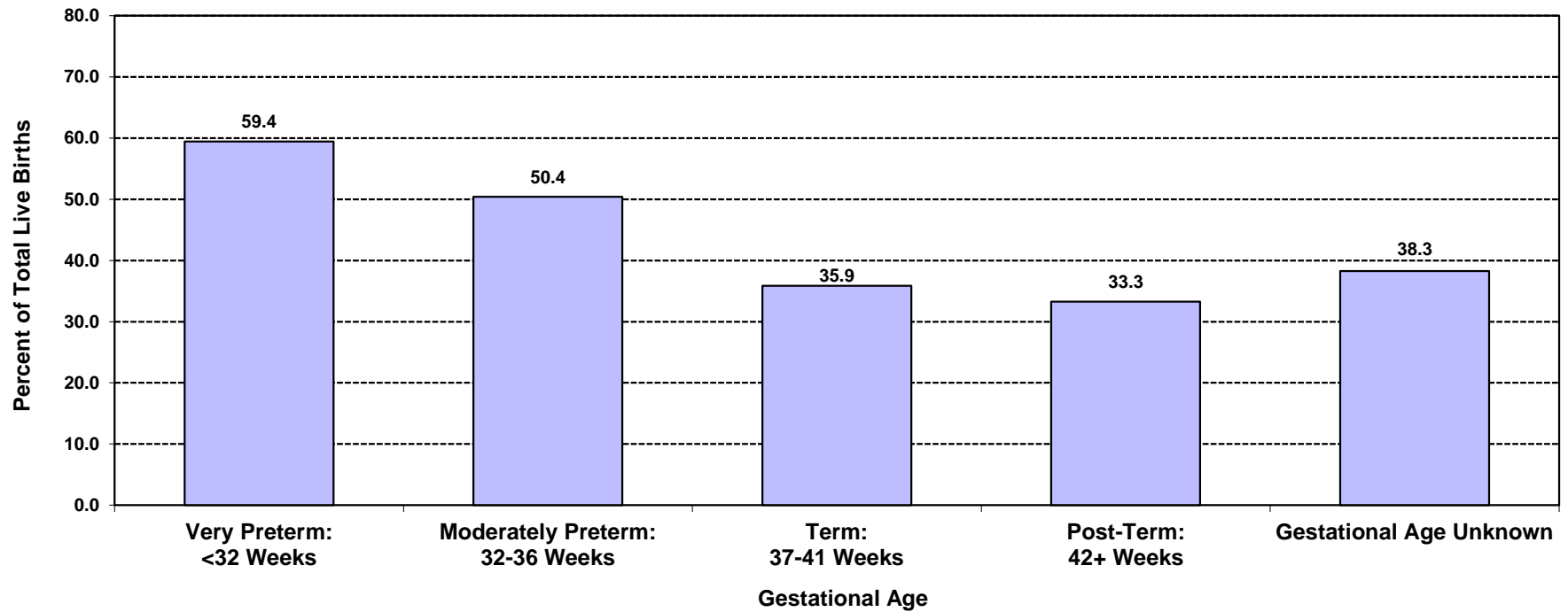
Los Angeles County, 2012				
Birthweight	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Very Low Birthweight: 0 to 1,499 grams	1,043	68.1	65.7	70.4
Moderately Low Birthweight: 1,500 to 2,499 grams	4,202	55.2	54.0	56.3
Normal Birthweight: 2,500 to 3,999 grams	39,456	34.8	34.5	35.1
Macrosomia: 4,000+ grams	4,496	49.1	48.0	50.1
Unknown	<5	N/C	N/C	N/C
Total	49,197	37.4	37.1	37.6

Total Live Births
1,532
7,619
113,377
9,165
<5
131,697



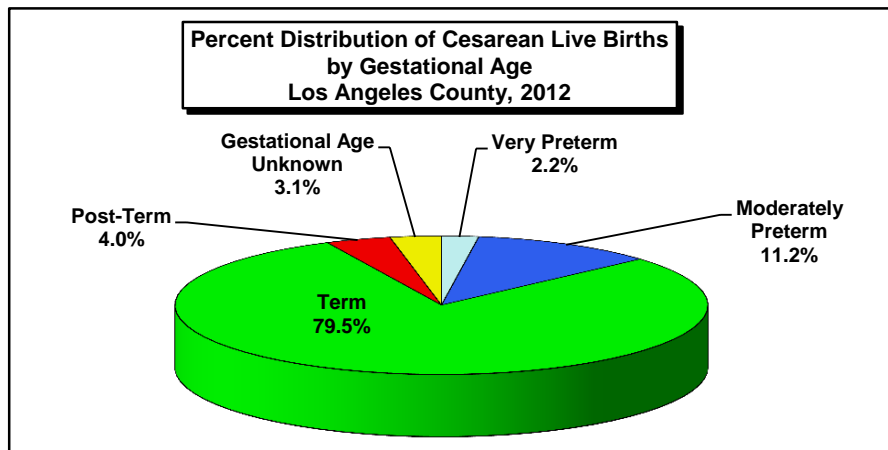
Note: Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by Gestational Age
Los Angeles County, 2012**



Los Angeles County, 2012				
Gestational Age	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Very Preterm: <32 Weeks	1,106	59.4	57.2	61.7
Moderately Preterm: 32-36 Weeks	5,495	50.4	49.5	51.4
Term: 37-41 Weeks	39,120	35.9	35.6	36.1
Post-Term: 42+ Weeks	1,948	33.3	32.1	34.5
Gestational Age Unknown	1,528	38.3	36.8	39.8
Total	49,197	37.4	37.1	37.6

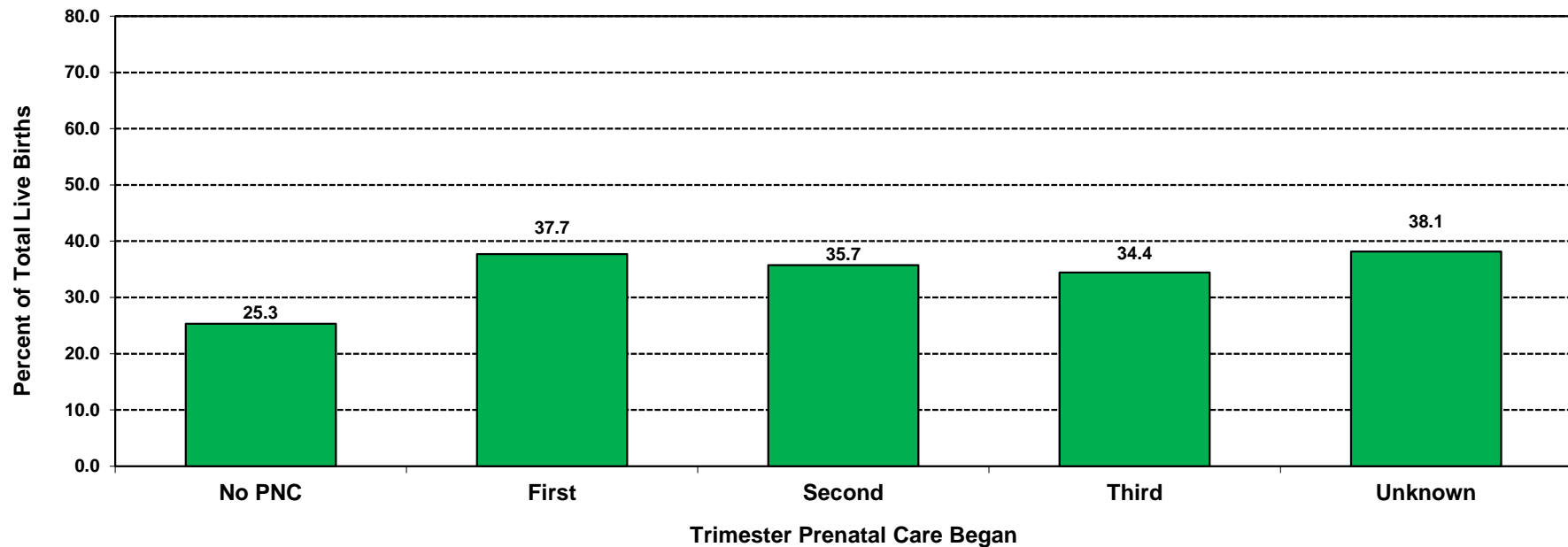
Total Live Births
1,861
10,897
109,095
5,853
3,991
131,697



Note: Unknown includes those weeks of gestation not stated, less than 17 weeks of gestation, and 53 weeks or more gestation. These categories reflect inaccuracies rather than actual gestation periods. Gestation is calculated from reported date of last menses.

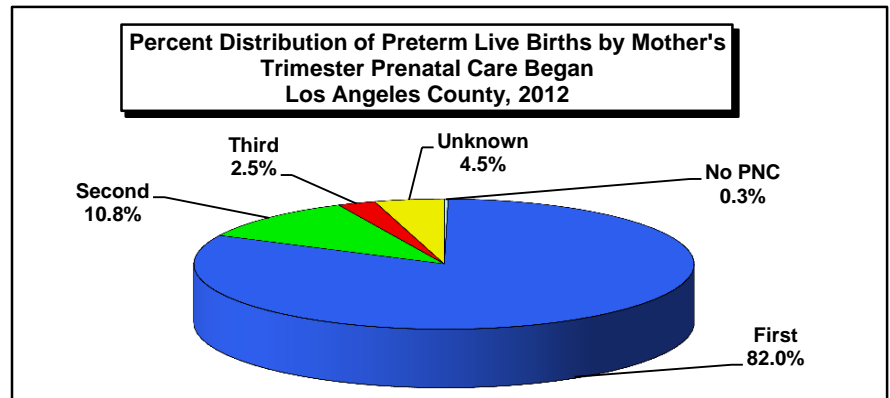
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by
Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2012**



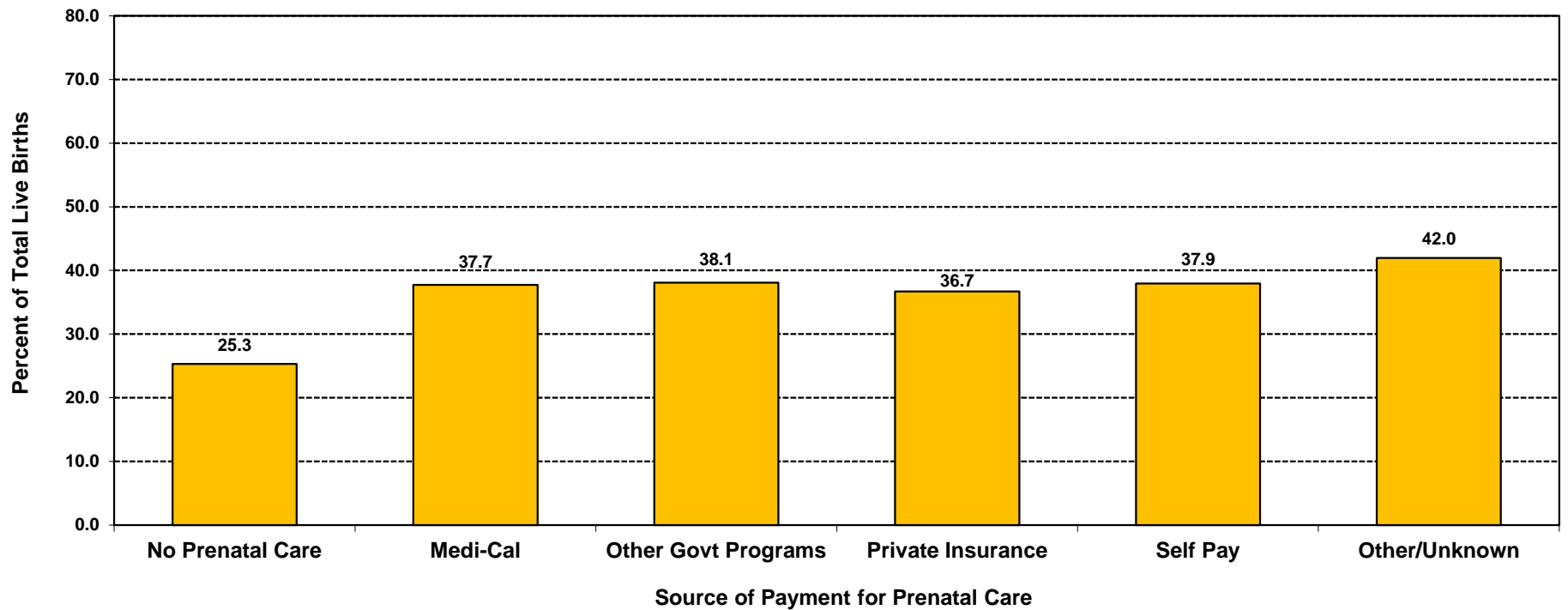
Los Angeles County, 2012				
Mother's Trimester Prenatal Care Began	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No PNC	124	25.3	21.5	29.2
First	40,329	37.7	37.4	38.0
Second	5,325	35.7	35.0	36.5
Third	1,209	34.4	32.8	36.0
Unknown	2,210	38.1	36.9	39.4
Total	49,197	37.4	37.1	37.6

Total Live Births
490
106,996
14,905
3,513
5,793
131,697



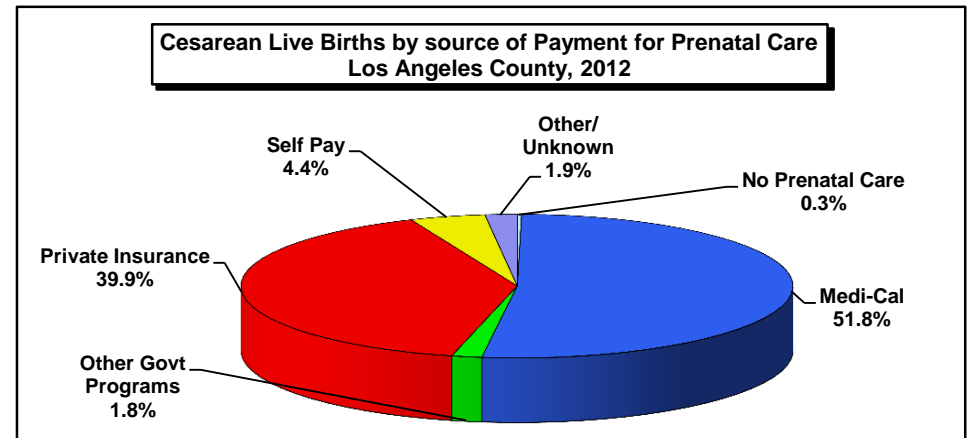
Note: "Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Cesarean Live Births, as Percent of Total Live Births by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2012**



Los Angeles County, 2012				
Prenatal Care Payment Source	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	124	25.3	21.5	29.2
Medi-Cal	25,479	37.7	37.4	38.1
Other Govt Programs	864	38.1	36.1	40.1
Private Insurance	19,633	36.7	36.3	37.1
Self Pay	2,174	37.9	36.7	39.2
Other/Unknown	923	42.0	39.9	44.0
Total	49,197	37.4	37.1	37.6

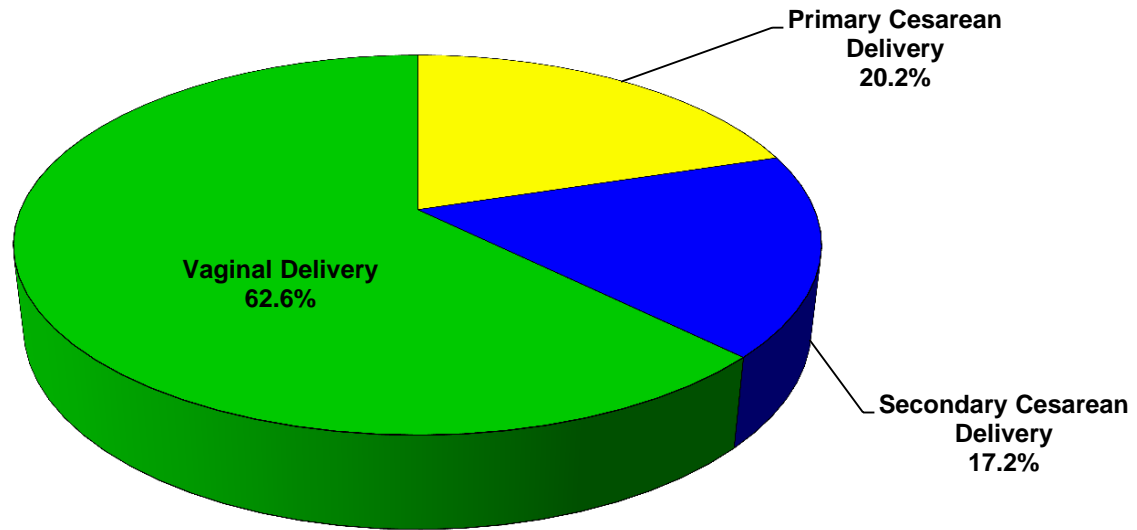
Total Live Births
490
67,499
2,268
53,510
5,731
2,199
131,697



Note: "Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.

**Total Live Births by Method of Delivery
Los Angeles County, 2012**



Los Angeles County, 2012				
Method of Delivery	Number of Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Primary Cesarean Delivery	26,576	20.2%	17.8%	22.6%
Secondary Cesarean Delivery	22,621	17.2%	14.9%	19.4%
Vaginal Delivery	82,500	62.6%	58.4%	66.9%
Total	131,697	100.0%	100.0%	100.0%

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2012.