

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

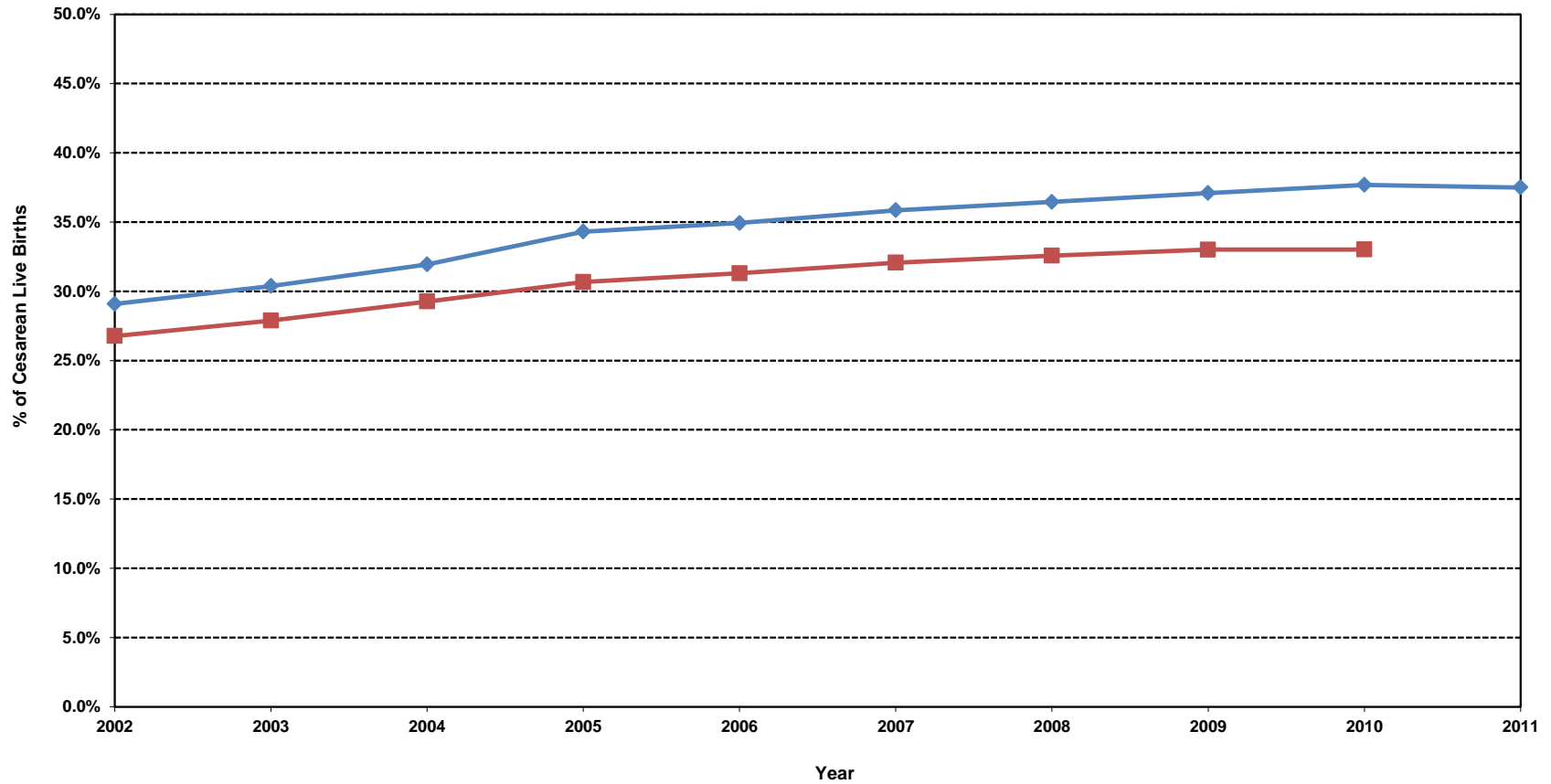
Year	California				Los Angeles County				Denominator: Total Live Births	
	Total C-Section Live Births		95% Confidence Interval		Total C-Section Live Births		95% Confidence Interval		California	LA County
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper		
2002	141,679	26.8%	22.4%	30.8%	43,984	29.1%	24.5%	32.4%	529,245	151,167
2003	150,821	27.9%	23.4%	32.0%	46,243	30.4%	25.7%	33.8%	540,827	152,192
2004	159,413	29.3%	24.7%	33.4%	48,398	31.9%	27.2%	35.5%	544,685	151,504
2005	168,274	30.7%	26.0%	34.9%	51,596	34.3%	29.4%	38.1%	548,700	150,377
2006	175,943	31.3%	26.7%	35.6%	53,034	34.9%	30.0%	38.8%	562,157	151,837
2007	181,574	32.1%	27.4%	36.4%	54,431	35.9%	30.9%	39.8%	566,137	151,813
2008	179,626	32.6%	27.8%	37.0%	53,838	36.5%	31.4%	40.5%	551,567	147,684
2009	173,878	33.0%	28.1%	37.5%	51,813	37.1%	31.9%	41.3%	526,774	139,679
2010	168,379	33.0%	28.0%	37.6%	50,186	37.7%	32.4%	42.0%	509,979	133,160
2011	Not available				48,864	37.5%	32.1%	41.9%	502,023	130,312

Note: California 2011 data on type of delivery is currently unavailable.

Sources: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2002-2011.

Percent of Cesarean Live Births California vs. Los Angeles County, 2002-2011

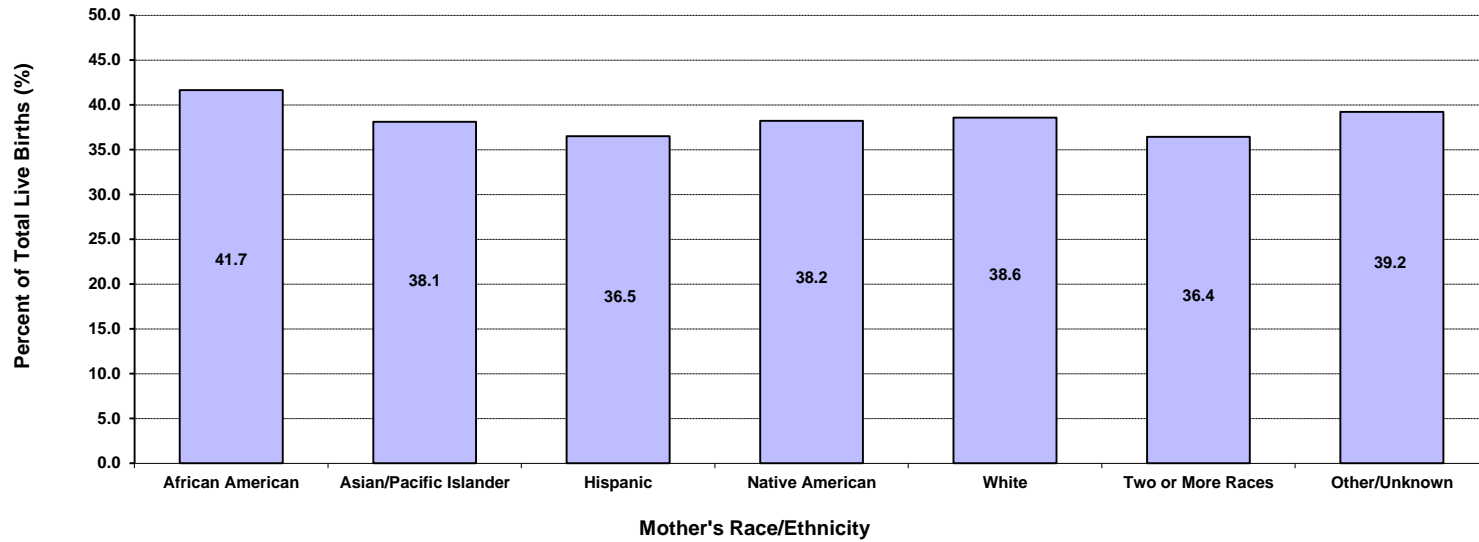
California Los Angeles County



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

Sources: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2002-2011.

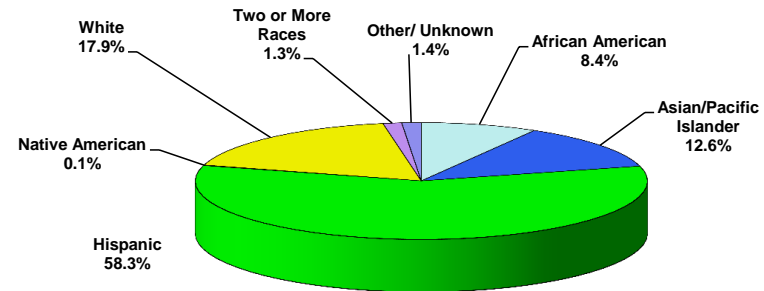
**Cesarean Live Births, as Percent of Total Live Births by Mother's Race/Ethnicity
Los Angeles County, 2011**



Mother's Race/Ethnicity	Los Angeles County, 2011			
	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	4,084	41.7	40.7	42.6
Asian/Pacific Islander	6,145	38.1	37.4	38.9
Hispanic	28,484	36.5	36.2	36.9
Native American	73	38.2	31.3	45.1
White	8,749	38.6	37.9	39.2
Two or More Races	653	36.4	34.2	38.7
Other/Unknown	676	39.2	36.9	41.5
Total	48,864	37.5	37.2	37.8

Total Live Births
9,804
16,126
77,993
191
22,684
1,792
1,723
130,313

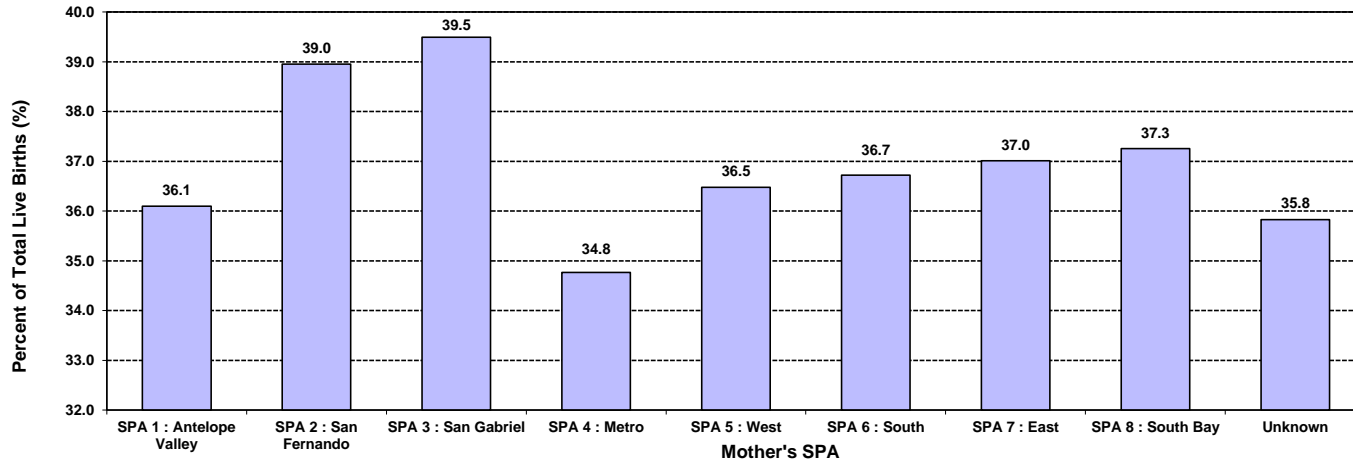
**Percent Distribution of Cesarean Live Births
by Race/Ethnicity
Los Angeles County, 2011**



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, 2011.

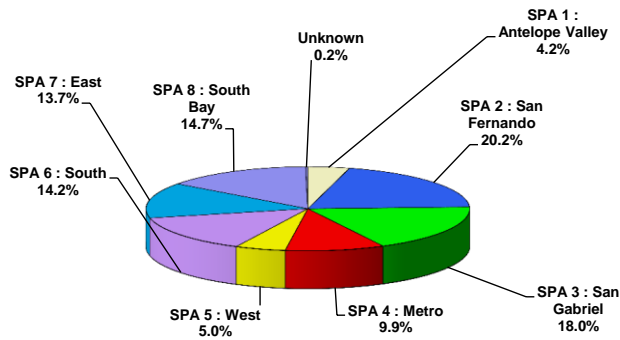
**Cesarean Live Births, as Percent of Total Live Births by Service Planning Area (SPA)
Los Angeles County, 2011**



Los Angeles County, 2011				
Service Planning Area (SPA)	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
SPA 1 : Antelope Valley	2,028	36.1	34.8	37.4
SPA 2 : San Fernando	9,871	39.0	38.4	39.6
SPA 3 : San Gabriel	8,783	39.5	38.9	40.1
SPA 4 : Metro	4,842	34.8	34.0	35.6
SPA 5 : West	2,455	36.5	35.3	37.6
SPA 6 : South	6,927	36.7	36.0	37.4
SPA 7 : East	6,671	37.0	36.3	37.7
SPA 8 : South Bay	7,177	37.3	36.6	37.9
Unknown	110	35.8	30.5	41.2
Total	48,864	37.5	37.2	37.8

Total Live Births
5,618
25,341
22,237
13,928
6,730
18,864
18,023
19,265
307
130,313

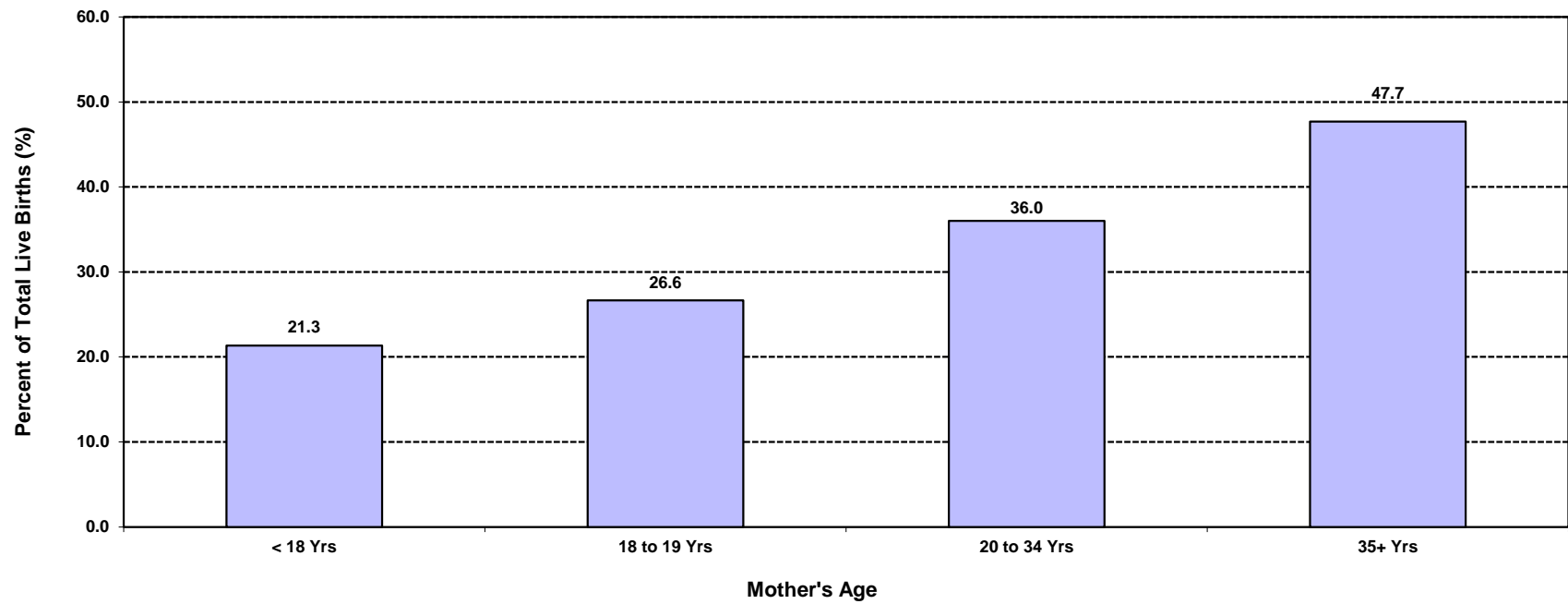
**Percent Distribution of Cesarean Live Births by Service Planning Area (SPA)
Los Angeles County, 2011**



Note: SPA 8 includes Catalina Island.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011.
July 1, 2010 Population Estimates, prepared by Walter R. McDonald & Associates, Inc. (WRMA) for Urban Research, Los Angeles County ISD, released September 30, 2012.

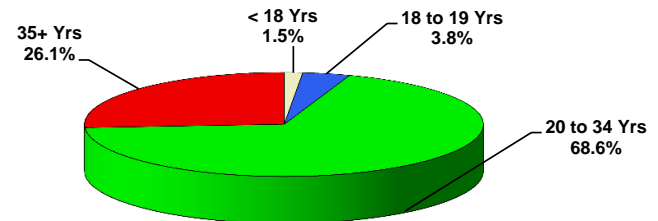
**Cesarean Live Births, as Percent of Total Live Births by Mother's Age
Los Angeles County, 2011**



Los Angeles County, 2011				
Mother's Age	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
< 18 Yrs	732	21.3	20.0	22.7
18 to 19 Yrs	1,878	26.6	25.6	27.7
20 to 34 Yrs	33,520	36.0	35.7	36.3
35+ Yrs	12,734	47.7	47.1	48.3
Total	48,864	37.5	37.2	37.8

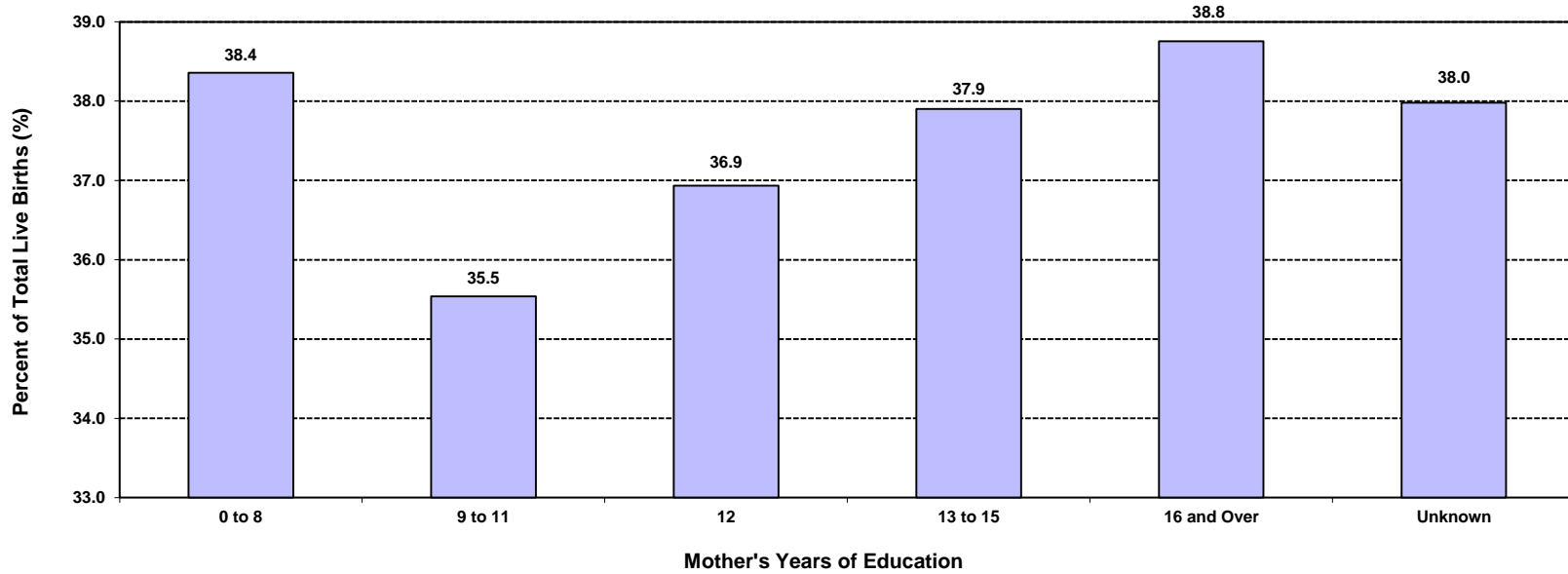
Total Live Births
3,431
7,049
93,113
26,708
130,313

**Percent Distribution of Cesarean Live Births by Mother's Age
Los Angeles County, 2011**



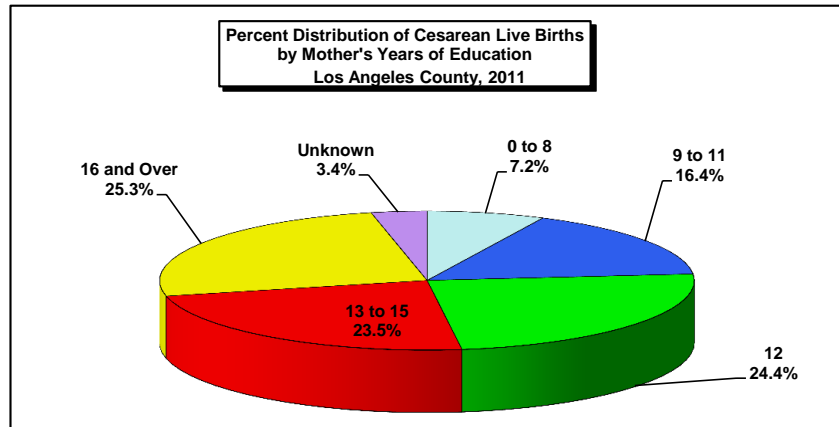
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011.

**Cesarean Live Births, as Percent of Total Live Births by Mother's Years of Education
Los Angeles County, 2011**



Los Angeles County, 2011				
Mother's Years of Education	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	3,494	38.4	37.4	39.4
9 to 11	8,007	35.5	34.9	36.2
12	11,915	36.9	36.4	37.5
13 to 15	11,459	37.9	37.4	38.5
16 and Over	12,344	38.8	38.2	39.3
Unknown	1,645	38.0	36.5	39.4
Total	48,864	37.5	37.2	37.8

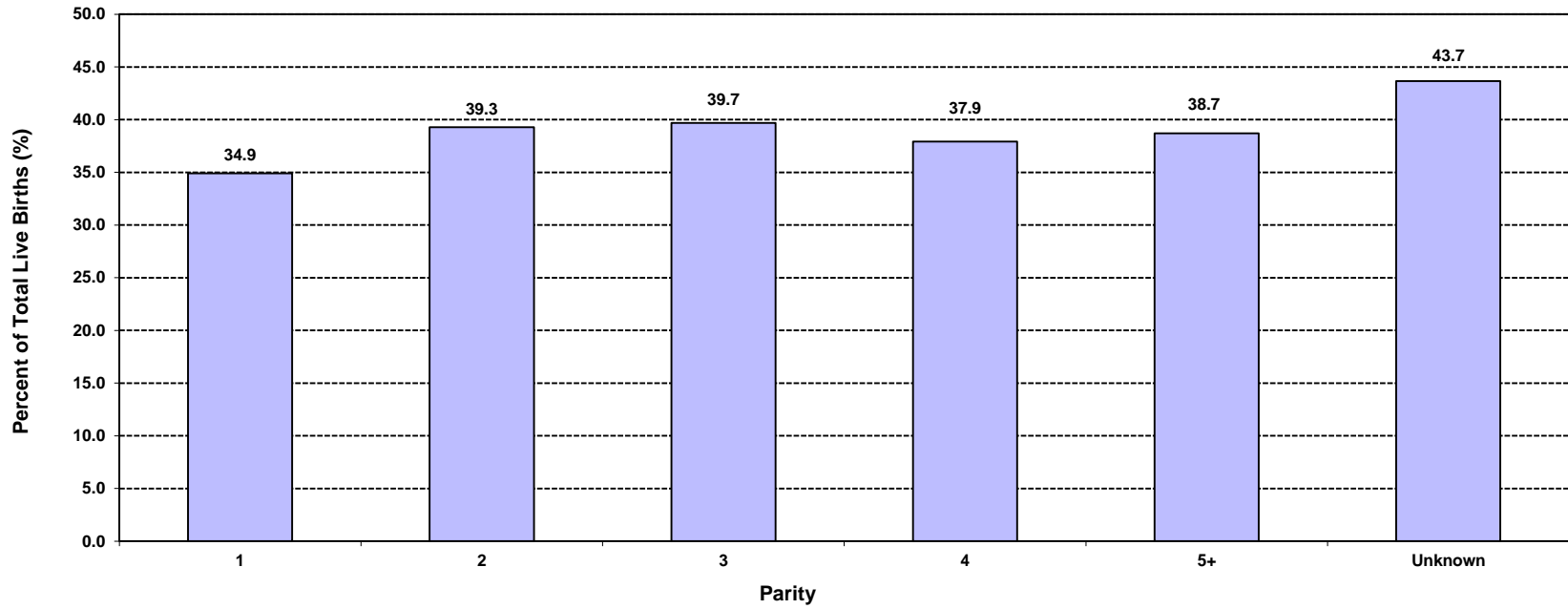
Total Live Births
9,109
22,530
32,259
30,232
31,852
4,331
130,313



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, 2011.

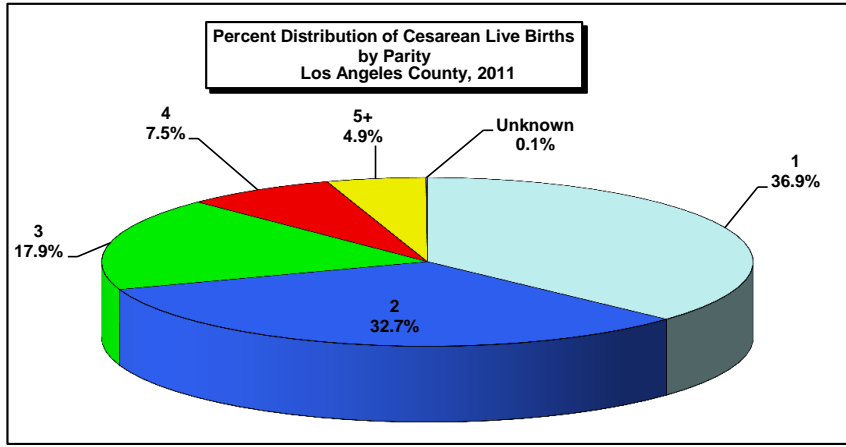
**Cesarean Live Births, as Percent of Total Live Births by Parity
Los Angeles County, 2011**



Los Angeles County, 2011				
Parity	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	18,044	34.9	34.5	35.3
2	15,987	39.3	38.8	39.8
3	8,736	39.7	39.1	40.3
4	3,657	37.9	37.0	38.9
5+	2,409	38.7	37.5	39.9
Unknown	31	43.7	32.1	55.2
Total	48,864	37.5	37.2	37.8

Total Live Births
51,688
40,686
22,004
9,642
6,222
71
130,313

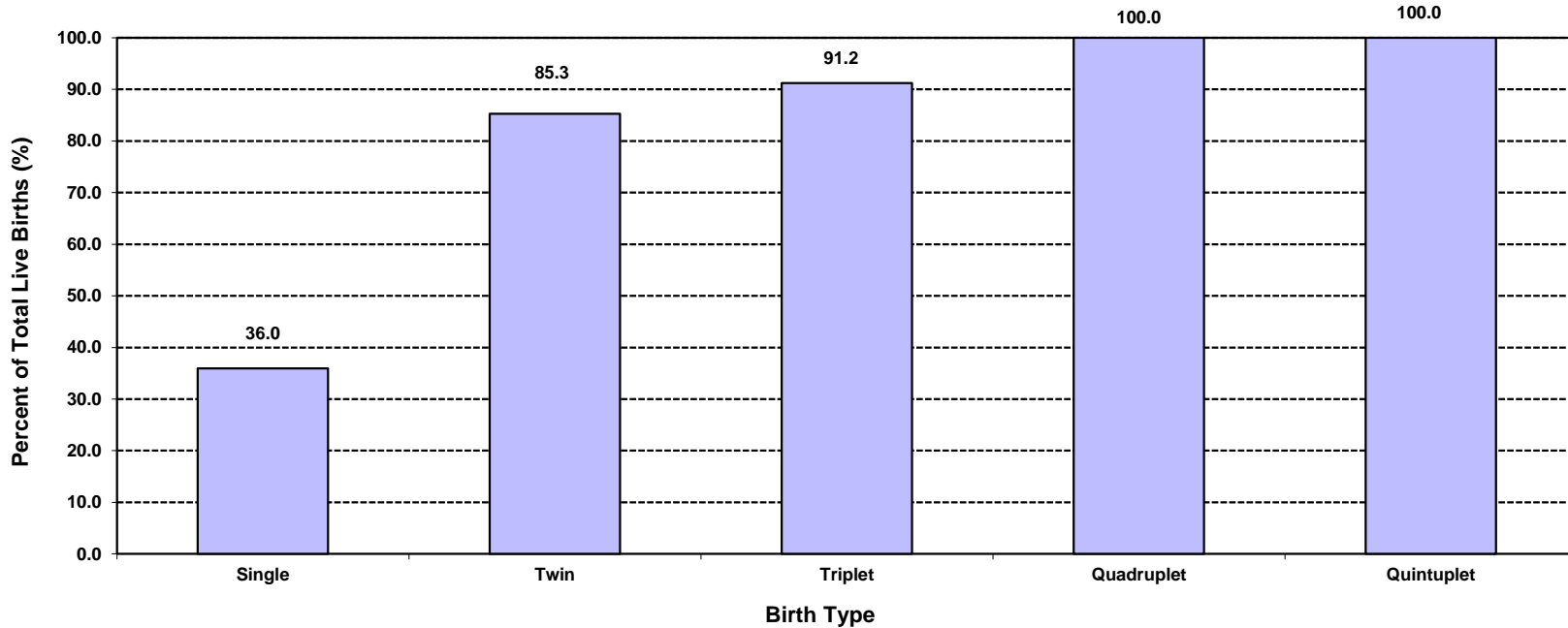
**Percent Distribution of Cesarean Live Births
by Parity
Los Angeles County, 2011**



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, 2011.

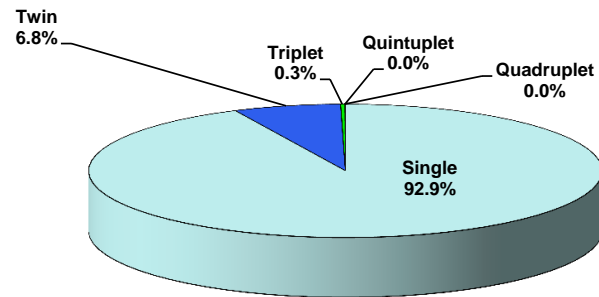
**Cesarean Live Births, as Percent of Total Live Births by Birth Type
Los Angeles County, 2011**



Los Angeles County, 2011				
Birth Type	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Single	45,409	36.0	35.7	36.2
Twin	3,307	85.3	84.2	86.4
Triplet	135	91.2	86.7	95.8
Quadruplet	8	100.0	100.0	100.0
Quintuplet	5	100.0	100.0	100.0
Total	48,864	37.5	37.2	37.8

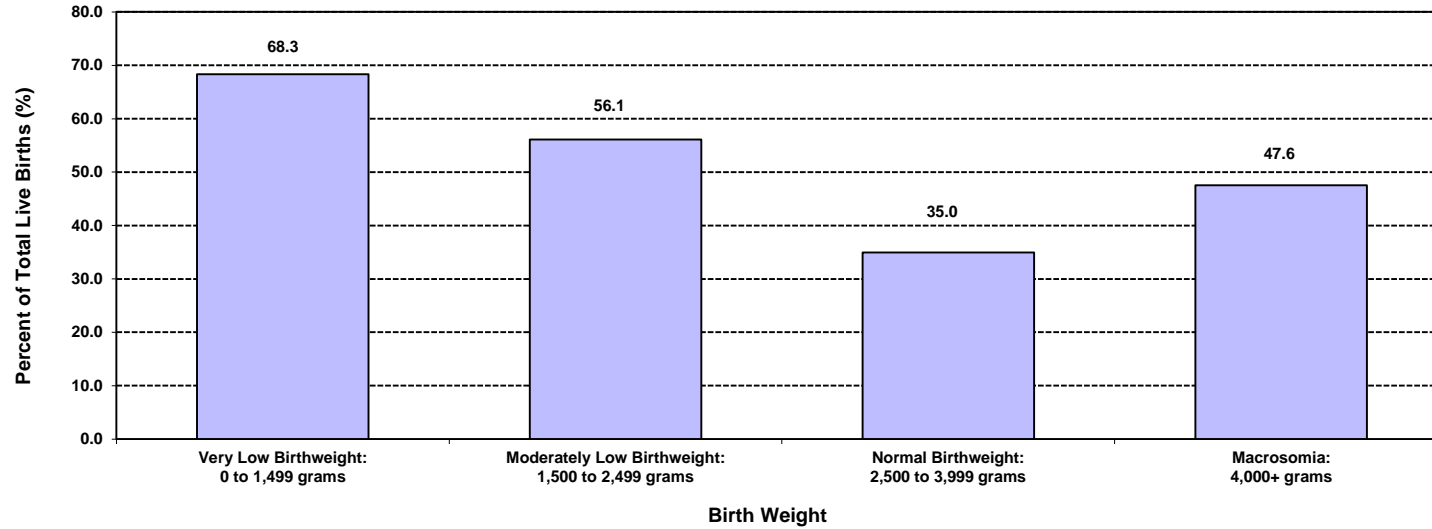
Total Live Births
126,275
3,877
148
8
5
130,313

**Percent Distribution of Cesarean Live Births
by Birth Type
Los Angeles County, 2011**



Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011.

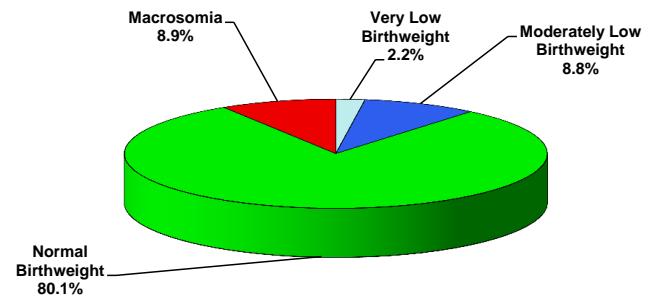
**Cesarean Live Births, as Percent of Total Live Births by Birth Weight
Los Angeles County, 2011**



Los Angeles County, 2011				
Birthweight	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Very Low Birthweight: 0 to 1,499 grams	1,084	68.3	66.0	70.6
Moderately Low Birthweight: 1,500 to 2,499	4,303	56.1	55.0	57.2
Normal Birthweight: 2,500 to 3,999	39,129	35.0	34.7	35.2
Macrosomia: 4,000+ grams	4,347	47.6	46.5	48.6
Unknown	<5	N/C	N/C	N/C
Total	48,864	37.5	37.2	37.8

Total Live Births
1,587
7,670
111,915
9,140
<5
130,313

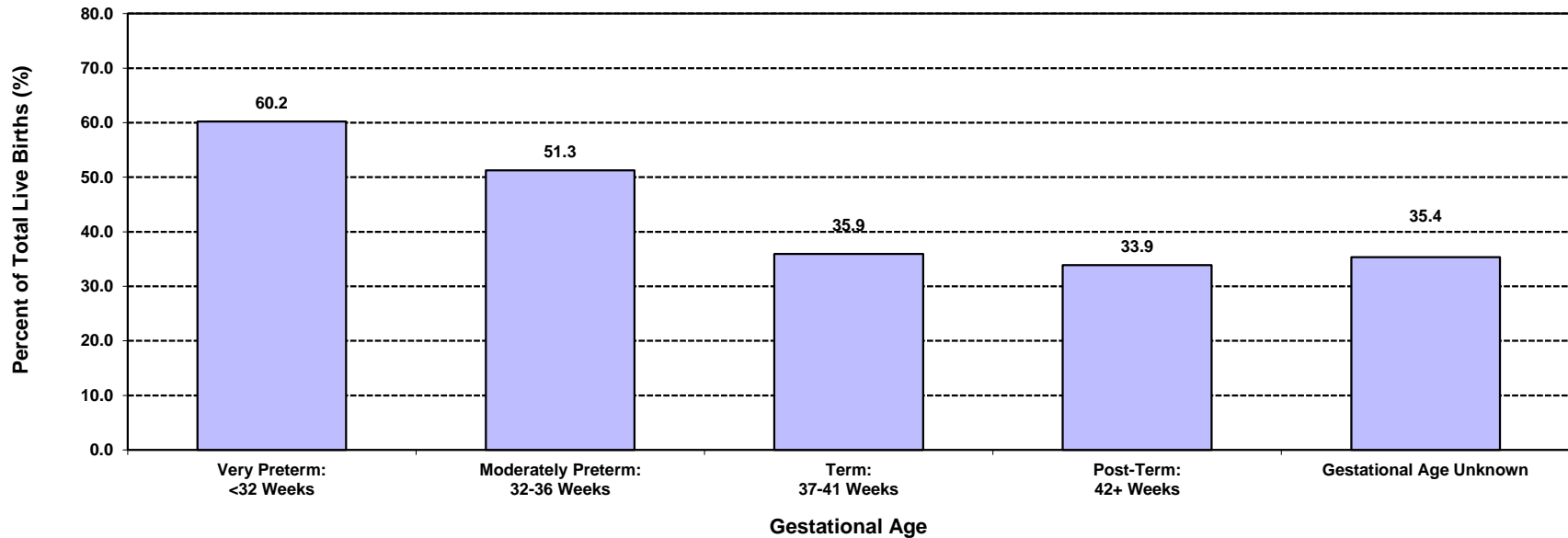
**Percent Distribution of Cesarean Live Births
by Birth Weight
Los Angeles County, 2011**



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

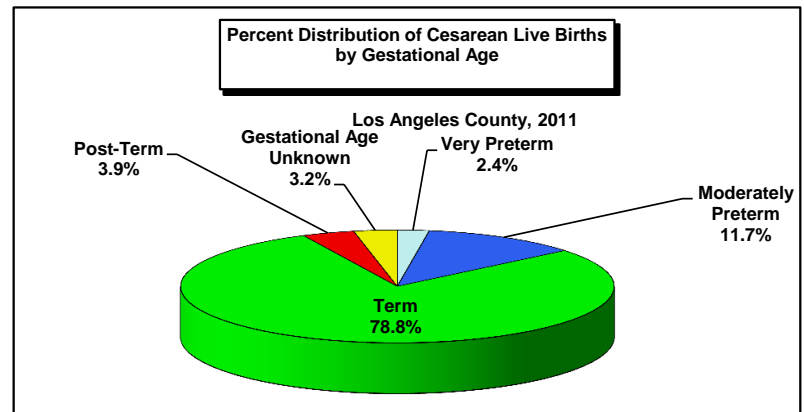
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011.

**Cesarean Live Births, as Percent of Total Live Births by Gestational Age
Los Angeles County, 2011**



Los Angeles County, 2011				
Gestational Age	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Very Preterm: <32 Weeks	1,157	60.2	58.0	62.4
Moderately Preterm: 32-36 Weeks	5,709	51.3	50.3	52.2
Term: 37-41 Weeks	38,512	35.9	35.7	36.2
Post-Term: 42+ Weeks	1,905	33.9	32.7	35.1
Gestational Age Unknown	1,581	35.4	34.0	36.8
Total	48,864	37.5	37.2	37.8

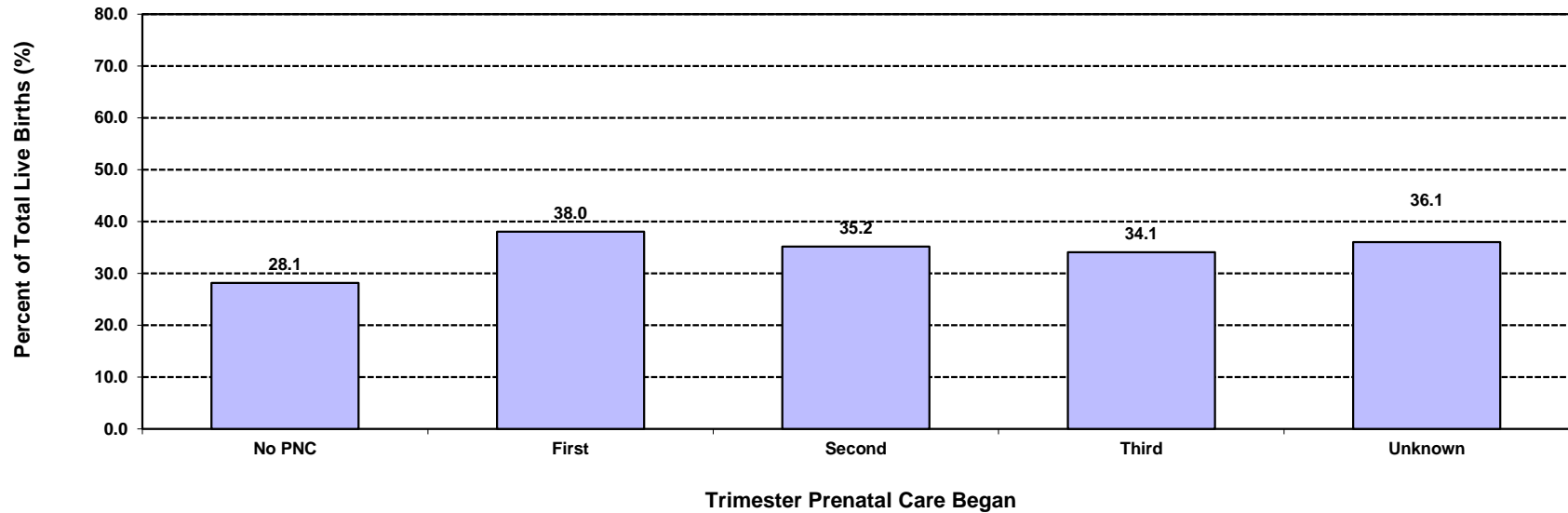
Total Live Births
1,921
11,138
107,162
5,620
4,472
130,313



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

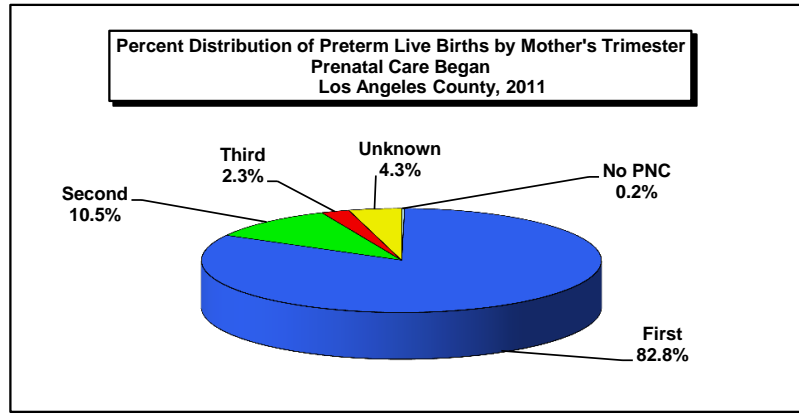
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011.

**Cesarean Live Births, as Percent of Total Live Births by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2011**



Los Angeles County, 2011				
Mother's Trimester Prenatal Care Began	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No PNC	114	28.1	23.8	32.5
First	40,435	38.0	37.7	38.3
Second	5,117	35.2	34.4	35.9
Third	1,116	34.1	32.5	35.7
Unknown	2,082	36.1	34.8	37.3
Total	48,864	37.5	37.2	37.8

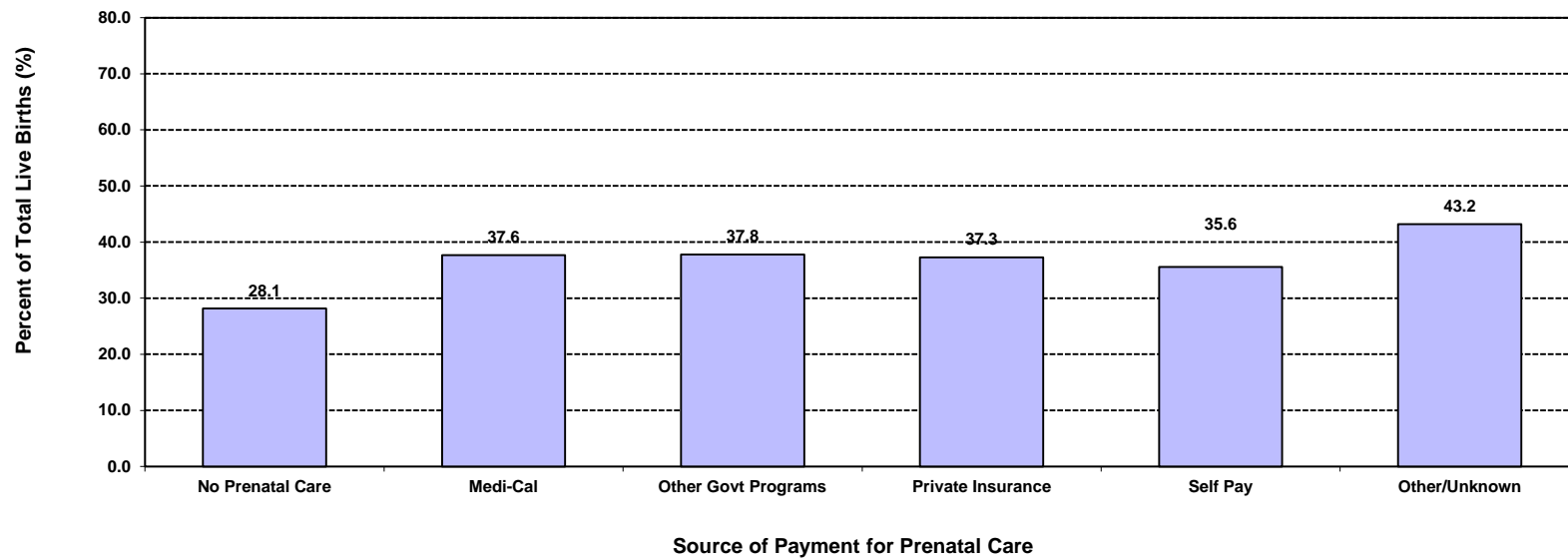
Total Live Births
405
106,307
14,554
3,273
5,774
130,313



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

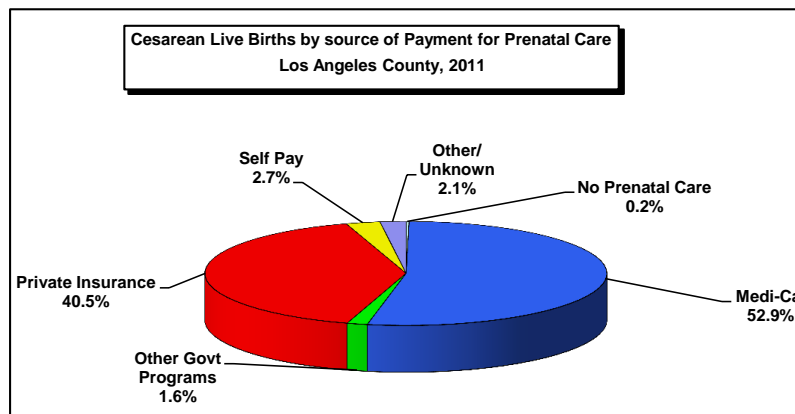
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011.

**Cesarean Live Births, as Percent of Total Live Births by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2011**



Los Angeles County, 2011				
Prenatal Care Payment Source	Cesarean Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	114	28.1	23.8	32.5
Medi-Cal	25,825	37.6	37.3	38.0
Other Govt Programs	798	37.8	35.7	39.9
Private Insurance	19,773	37.3	36.8	37.7
Self Pay	1,337	35.6	34.0	37.1
Other/Unknown	1,017	43.2	41.2	45.2
Total	48,864	37.5	37.2	37.8

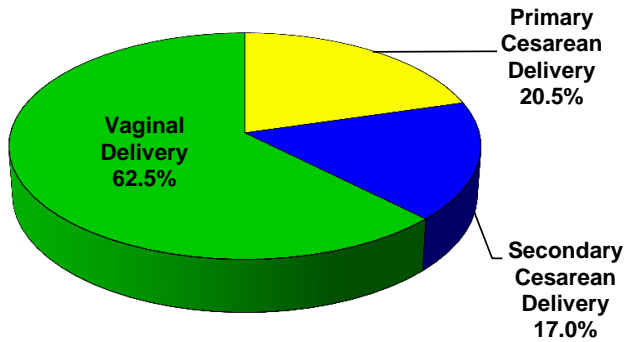
Total Live Births
405
68,604
2,112
53,078
3,760
2,354
130,313



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, 2011.

**Total Live Births by Method of Delivery
Los Angeles County, 2011**



Los Angeles County, 2011				
Method of Delivery	Number of Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Primary Cesarean Delivery	26,736	20.5%	18.1%	23.0%
Secondary Cesarean Delivery	22,128	17.0%	14.7%	19.2%
Vaginal Delivery	81,449	62.5%	58.2%	66.8%
Total	130,313	100.0%	100.0%	100.0%

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2011.