Moderate Preterm

Moderate Preterm Live Births

INDICATOR: **Percent of Moderate Preterm Live Births**

DEFINITION: The percent of live births occurring at 34 weeks to 36 weeks of gestation.

NUMERATOR: The number of live births occurring at 34 weeks to 36 weeks of gestation, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVES:

1) Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 6.8 percent of live births; 2) reduce moderate preterm live births between 32 to 33 weeks of gestation to no more than 1.6 percent of live births. (Objective MICH 9.2 baseline: 7.5% in 2007; Objective MICH 9.3 baseline: 1.2% in 2007.)

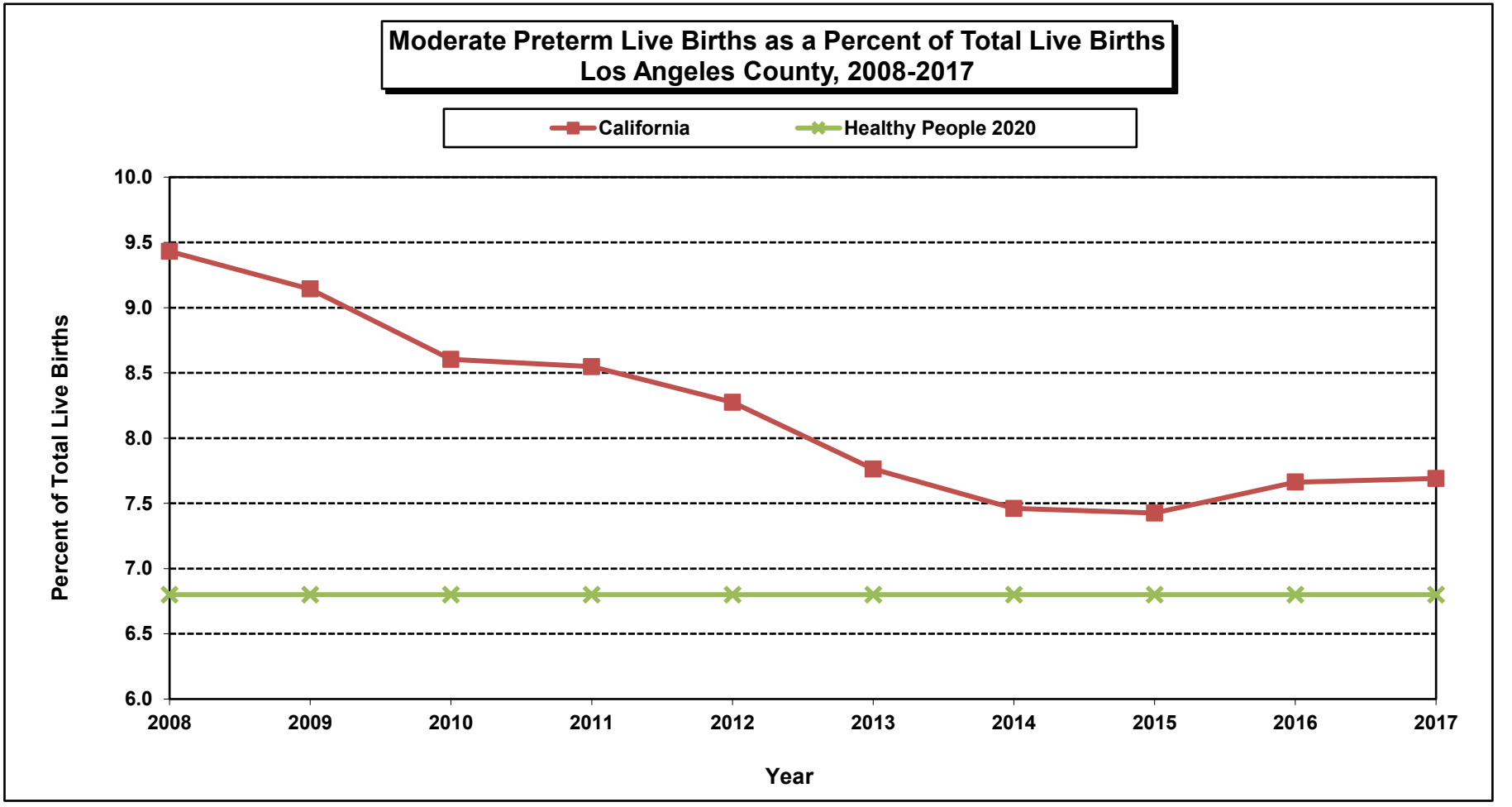
RISK FACTORS:

Young or old maternal age; low income; race/ethnicity (African American); short interpregnancy intervals; multiple gestation; poor reproductive history; certain uterine or cervical abnormalities; certain birth defects in the baby; obesity; prior preterm birth; no prenatal care or late entry into prenatal care; low prepregnancy weight; tobacco use during pregnancy; alcohol/substance abuse during pregnancy; low pregnancy weight gain; stress during pregnancy; strenuous exertion during pregnancy; long working hours with long periods of standing; diabetes; high blood pressure; clotting disorders (thrombophilia); vaginal bleeding; vaginal infections; urinary tract infections; domestic violence; being pregnant with a single fetus after in vitro fertilization (IVF)

	Los Angeles County			
Year	Moderately Preterm		95% Confidence Interval	
	Number	Percent	Lower	Upper
2008	13,928	9.4	9.3	9.6
2009	12,770	9.1	9.0	9.3
2010	11,456	8.6	8.5	8.8
2011	11,138	8.5	8.4	8.7
2012	10,897	8.3	8.1	8.4
2013	9,977	7.8	7.6	7.9
2014	9,710	7.5	7.3	7.6
2015	9,246	7.4	7.3	7.6
2016	9,420	7.7	7.5	7.8
2017	8,987	7.7	7.5	7.8

Denominator: Live Births	
Year	LA County
2008	147,684
2009	139,679
2010	133,160
2011	130,313
2012	131,697
2013	128,526
2014	130,150
2015	124,507
2016	122,941
2017	116,850

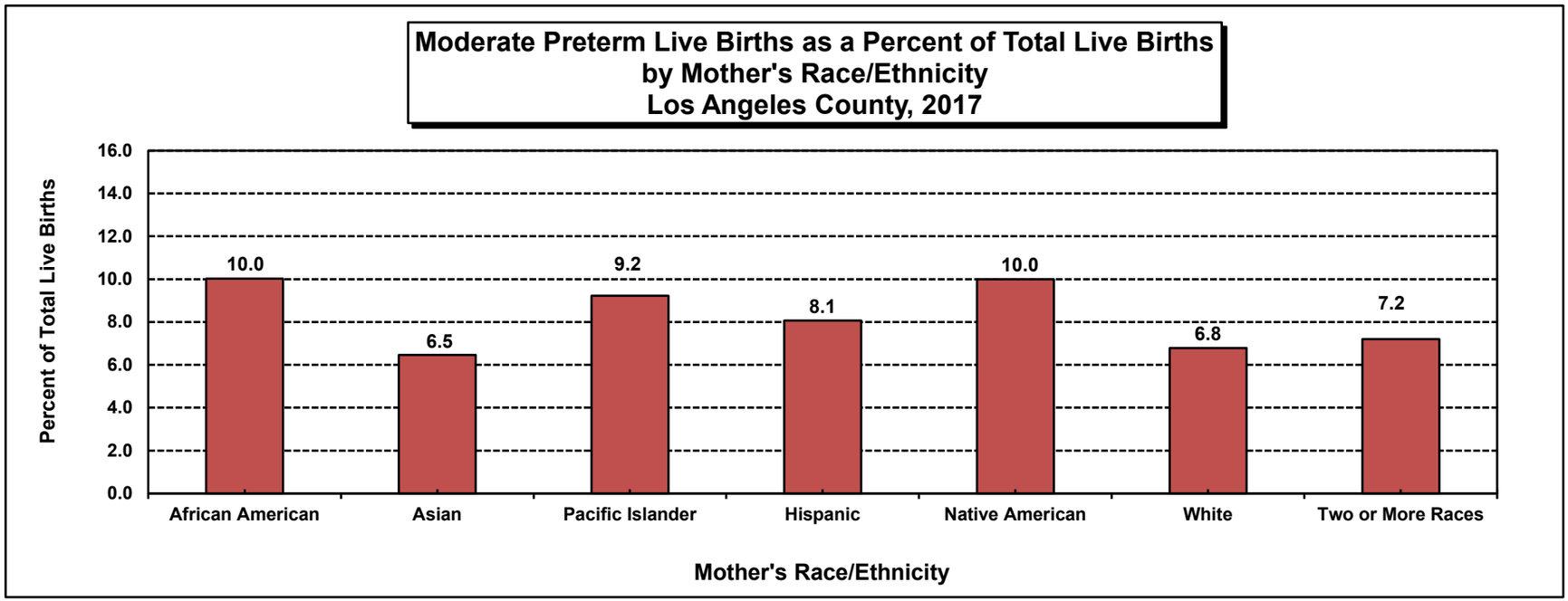
Source: California Department of Public Health, Birth Statistical Master Files, 2008-2017



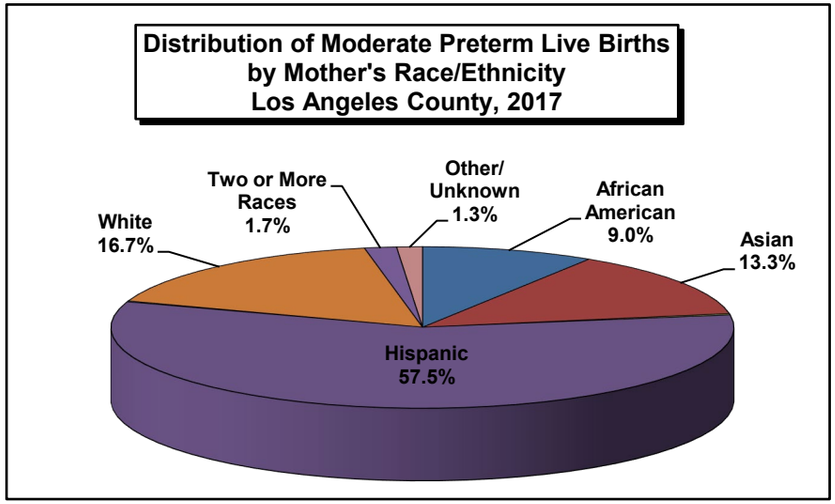
Year 2020 Objective: Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 6.8 percent of live births.

Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.
Gestation calculated based on last menses in years 2007-2014. Gestation is calculated based on obstetrical estimate beginning in 2015.

Source: California Department of Public Health, Birth Statistical Master Files, 2008-2017



Los Angeles County, 2017					
Mother's Race/Ethnicity	Moderate Preterm Live Births		95% Confidence Interval		Total Live Births
	Number	Percent	Lower	Upper	
African American	808	10.0	9.4	10.7	8,064
Asian	1,196	6.5	6.1	6.8	18,490
Pacific Islander	24	9.2	5.7	12.7	260
Hispanic	5,170	8.1	7.9	8.3	64,091
Native American	16	10.0	5.4	14.6	160
White	1,504	6.8	6.4	7.1	22,185
Two or More Races	149	7.2	6.1	8.3	2,069
Other/ Unknown	120	7.8	6.5	9.2	1,531
Total	8,987	7.7	7.5	7.8	116,850



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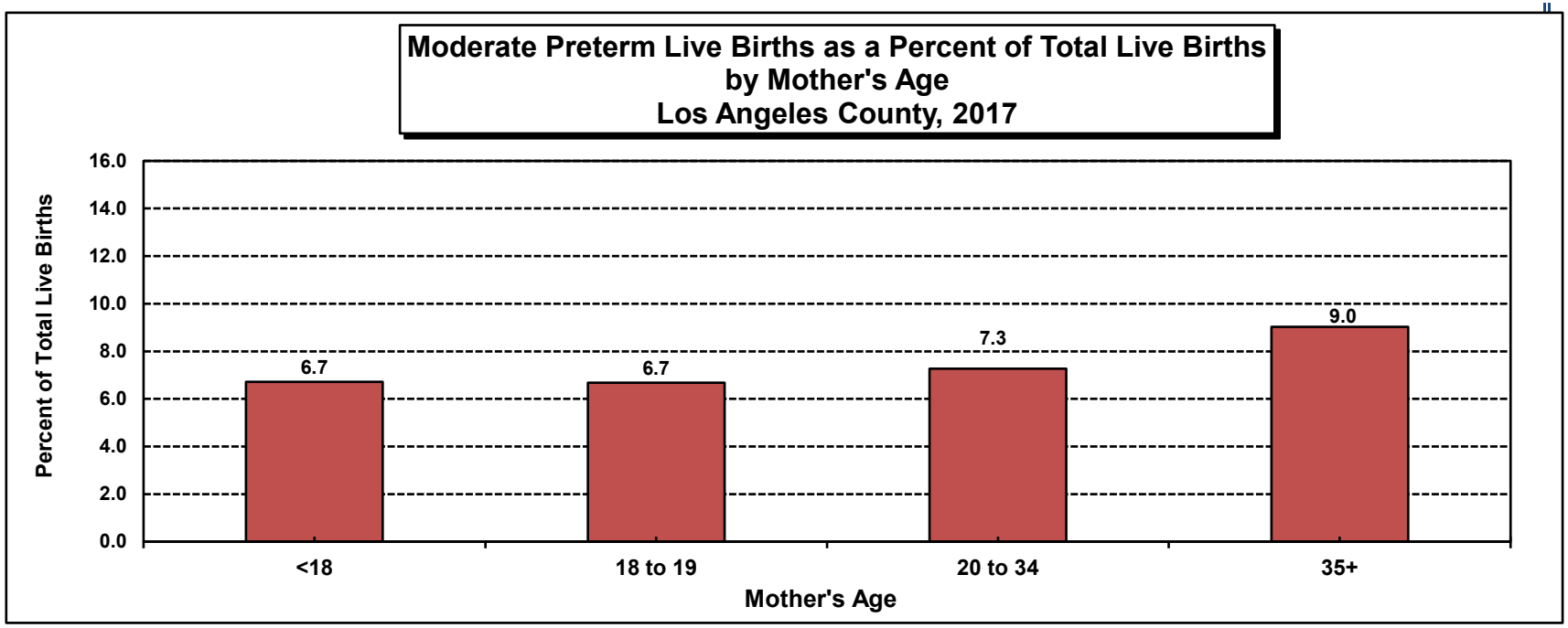
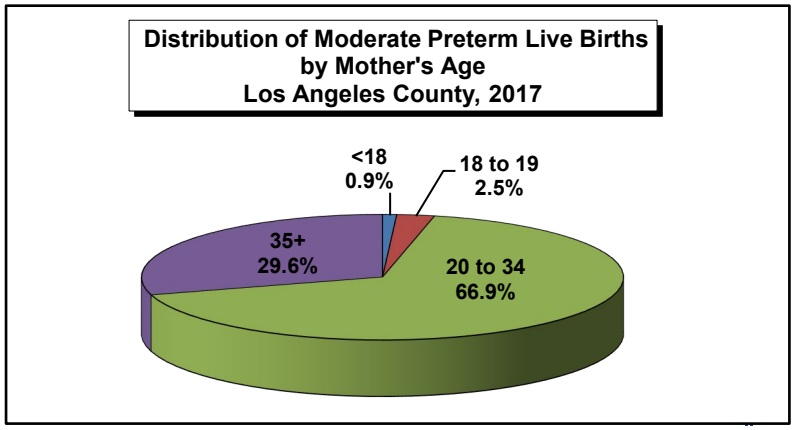
Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.
Gestation calculated based on obstetrical estimate.

Source: California Department of Public Health, Birth Statistical Master File, 2017



Los Angeles County, 2017					
Mother's Age	Moderate Preterm Live Births		95% Confidence Interval		Total Live Births
	Number	Percent	Lower	Upper	
<18	85	6.7	5.3	8.1	1,266
18 to 19	227	6.7	5.8	7.5	3,399
20 to 34	6,013	7.3	7.1	7.4	82,698
35+	2,660	9.0	8.7	9.4	29,462
Other/Unknown	<5	N/C	N/C	N/C	25
Total	8,987	7.7	7.5	7.8	116,850



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Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.
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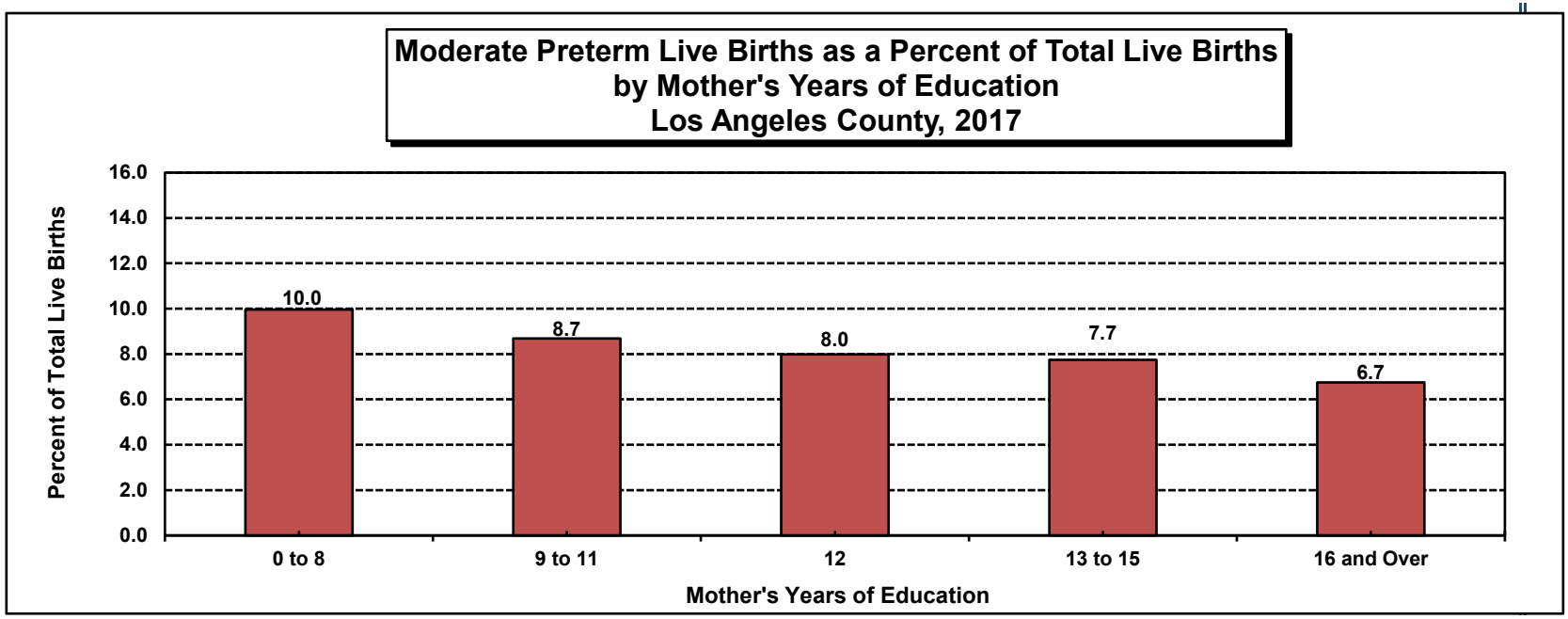
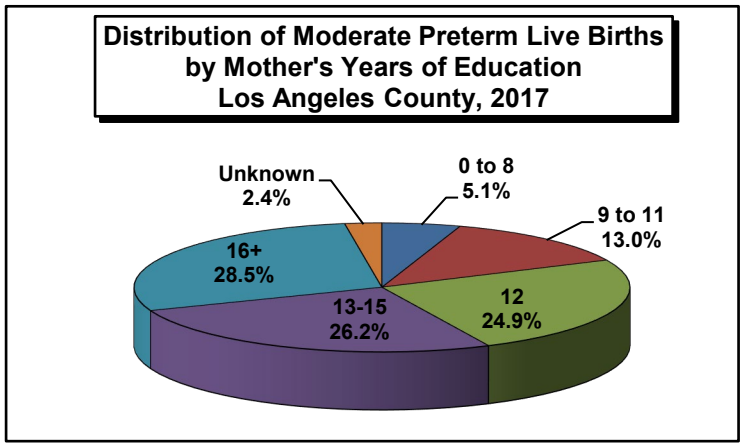
Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: California Department of Public Health, Birth Statistical Master File, 2017



Los Angeles County, 2017					
Mother's Years of Education	Moderate Preterm Live Births		95% Confidence Interval		Total Live Births
	Number	Percent	Lower	Upper	
0 to 8	460	10.0	9.1	10.8	4,618
9 to 11	1,165	8.7	8.2	9.2	13,404
12	2,234	8.0	7.7	8.3	27,984
13 to 15	2,351	7.7	7.4	8.0	30,342
16 and Over	2,561	6.7	6.5	7.0	37,972
Unknown	216	8.5	7.4	9.6	2,530
Total	8,987	7.7	7.5	7.8	116,850



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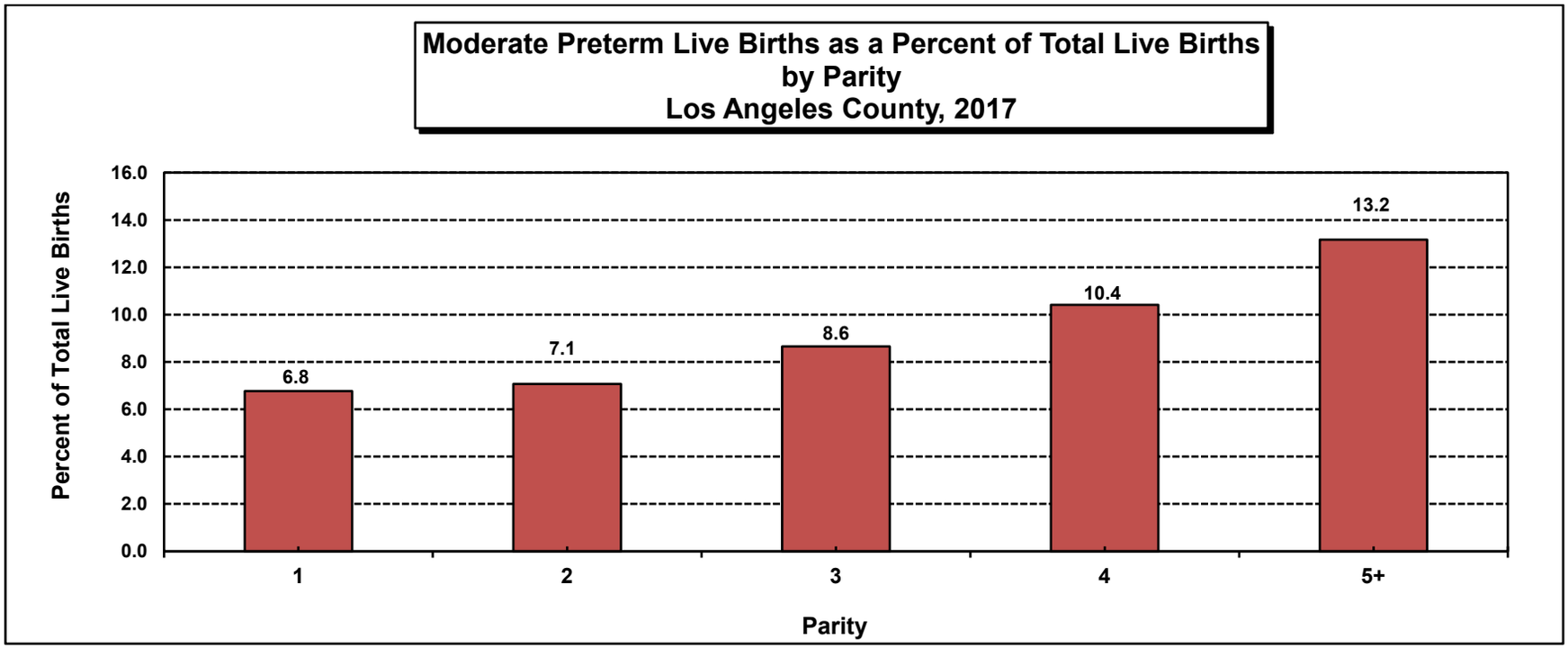
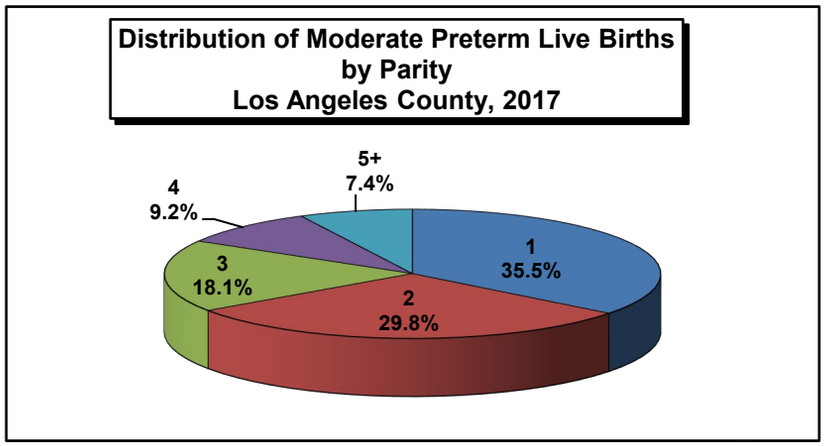
Source: California Department of Public Health, Birth Statistical Master File, 2017



Los Angeles County, 2017					Total Live Births
Parity	Moderate Preterm Live Births		95% Confidence Interval		
	Number	Percent	Lower	Upper	
1	3,190	6.8	6.5	7.0	47,110
2	2,678	7.1	6.8	7.3	37,915
3	1,624	8.6	8.2	9.1	18,776
4	823	10.4	9.7	11.1	7,905
5+	666	13.2	12.2	14.1	5,061
Unknown	6	7.2	1.7	12.8	83
Total	8,987	7.7	7.5	7.8	116,850



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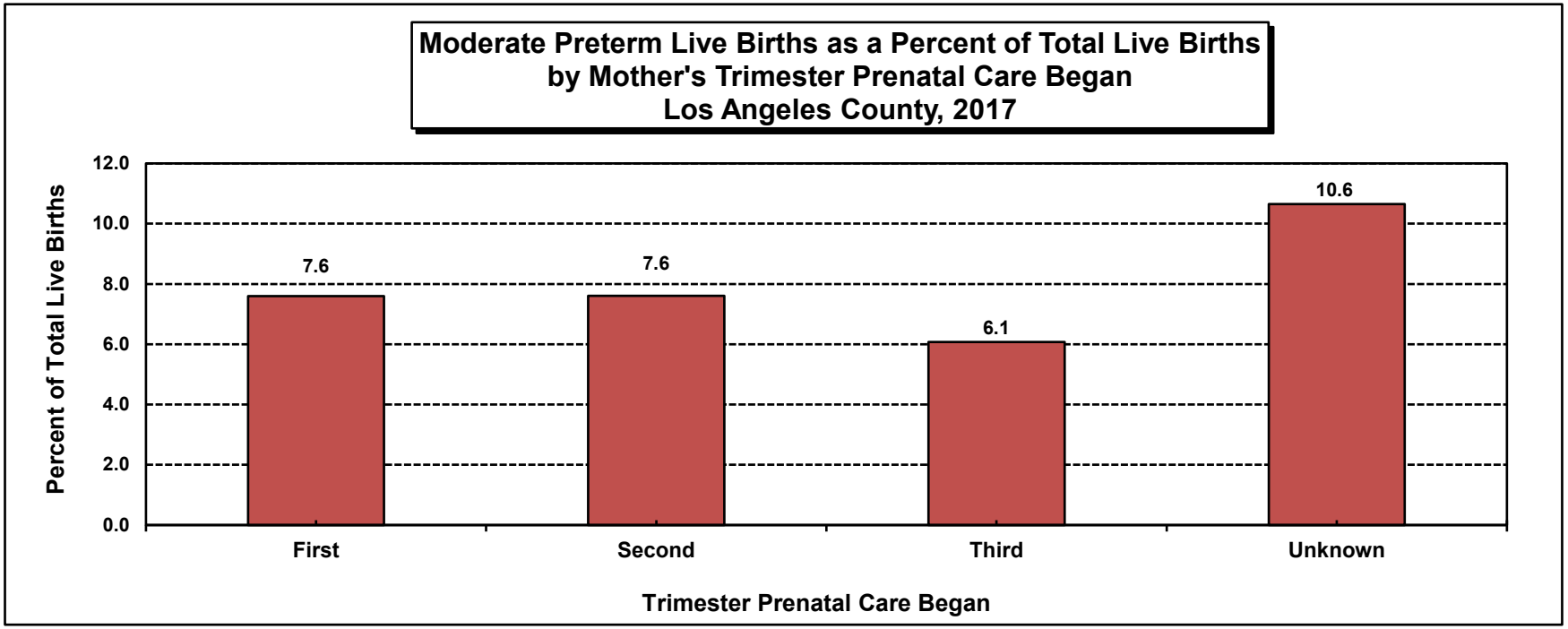
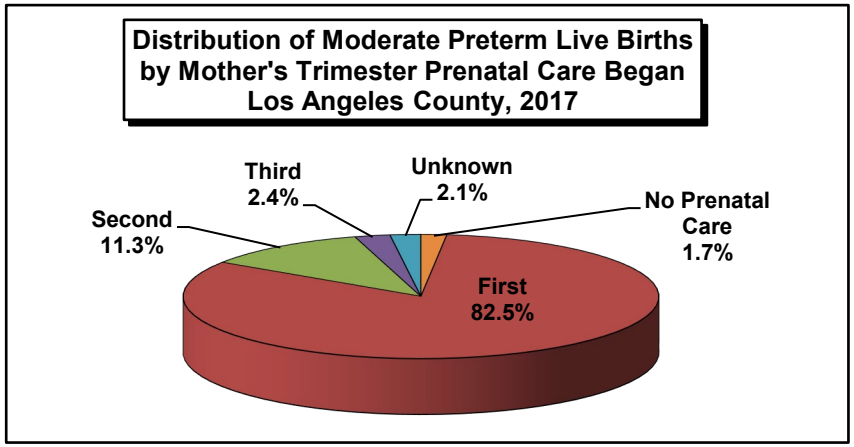
Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.
Gestation calculated based on obstetrical estimate.
"Parity" is defined as the number of pregnancies resulting in live births to a woman.

Source: California Department of Public Health, Birth Statistical Master File, 2017



Los Angeles County, 2017					Total Live Births
Mother's Trimester Prenatal Care Began	Moderate Preterm Live Births		95% Confidence Interval		
	Number	Percent	Lower	Upper	
No Prenatal Care	157	23.6	20.4	26.8	665
First	7,415	7.6	7.4	7.8	97,572
Second	1,012	7.6	7.2	8.1	13,302
Third	216	6.1	5.3	6.9	3,555
Unknown	187	10.6	9.2	12.1	1,756
Total	8,987	7.7	7.5	7.8	116,850



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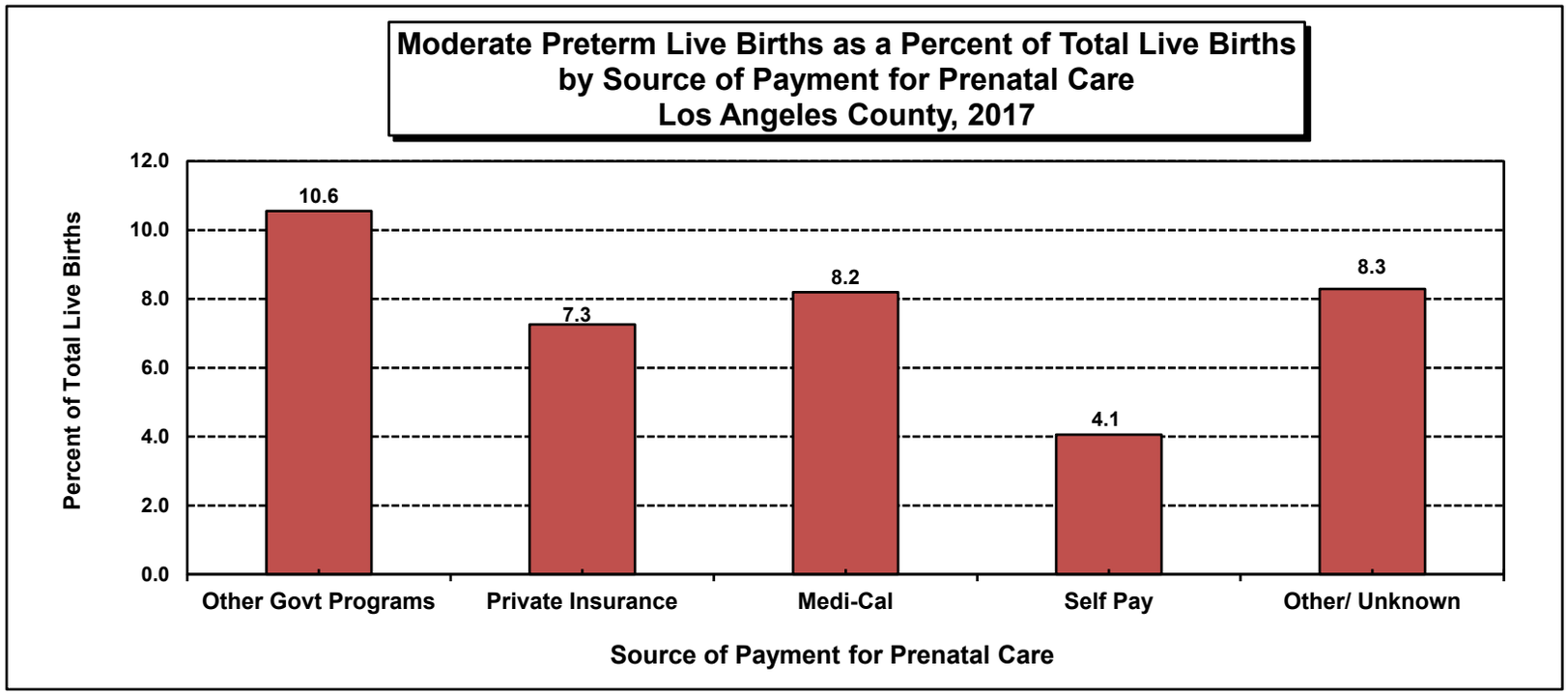
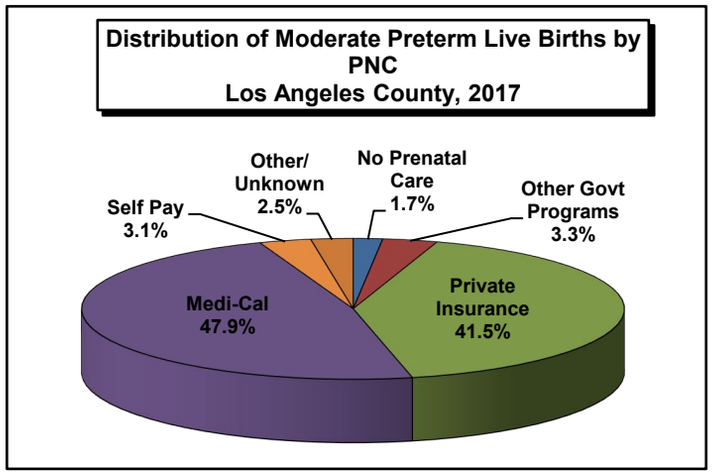


Los Angeles County, 2017					
Source of Payment for Prenatal Care	Moderate Preterm Live Births		95% Confidence Interval		Total Live Births
	Number	Percent	Lower	Upper	
No Prenatal Care	157	23.6	20.4	26.8	665
Other Govt Programs	294	10.6	9.4	11.7	2,785
Private Insurance	3,728	7.3	7.0	7.5	51,330
Medi-Cal	4,305	8.2	8.0	8.4	52,500
Self Pay	278	4.1	3.6	4.5	6,855
Other/ Unknown	225	8.3	7.3	9.3	2,715
Total	8,987	7.7	7.5	7.8	116,850



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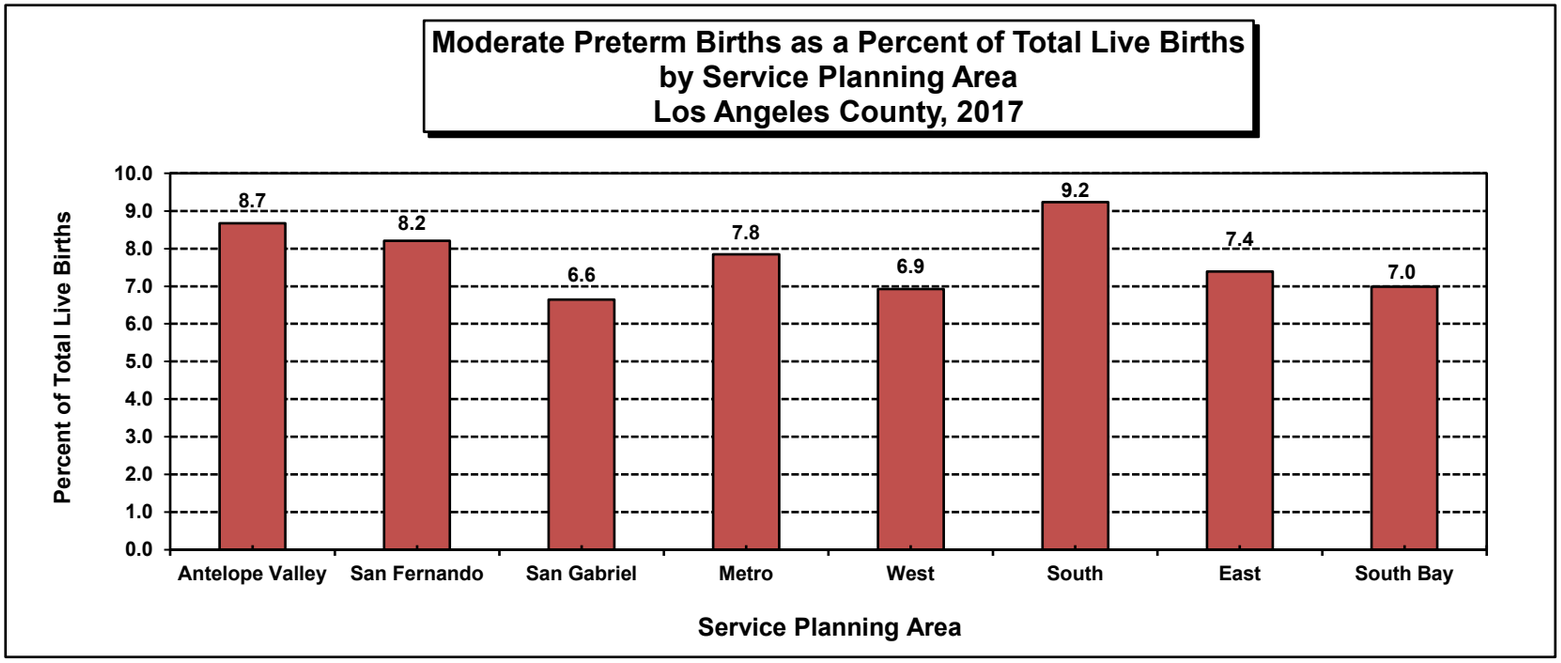
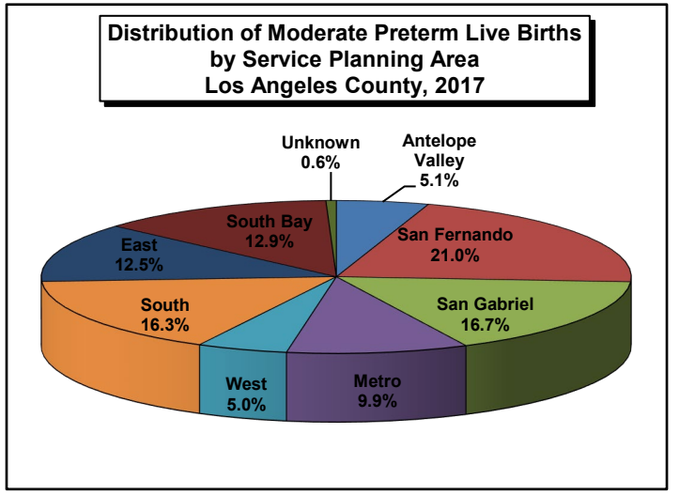


Los Angeles County, 2017					Total Live Births
Service Planning Area (SPA)	SPA		95% Confidence Interval		
	Number	Percent	Lower	Upper	
Antelope Valley	455	8.7	7.9	9.4	5,246
San Fernando	1,888	8.2	7.9	8.6	23,004
San Gabriel	1,501	6.6	6.3	7.0	22,593
Metro	892	7.8	7.4	8.3	11,370
West	445	6.9	6.3	7.5	6,423
South	1,468	9.2	8.8	9.7	15,905
East	1,127	7.4	7.0	7.8	15,240
South Bay	1,160	7.0	6.6	7.4	16,594
Unknown	51	10.7	8.0	13.5	475
Total	8,987	7.7	7.5	7.8	116,850



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