

Preterm Live Births

Preterm Live Births

INDICATOR: Percent of Preterm Live Births

DEFINITION: The percent of live births occurring at less than 37 weeks of gestation.

NUMERATOR: The number of live births occurring at less than 37 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 OBJECTIVE:
Reduce preterm births to an incidence of no more than 9.4 percent of live births. (Objective MICH 9.1: baseline 10.4% 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)

Year	California				Los Angeles County			
	Preterm Live Birth		95% Confidence Interval		Preterm Live Birth		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2007	60,451	10.7	10.6	10.8	17,314	11.4	11.2	11.6
2008	56,777	10.3	10.2	10.4	16,248	11.0	10.8	11.2
2009	53,081	10.1	10.0	10.2	14,914	10.7	10.5	10.8
2010	43,527	8.6	8.5	8.6	13,493	10.1	10.0	10.3
2011	42,616	8.5	8.4	8.6	13,059	10.0	9.9	10.2
2012	42,427	8.4	8.4	8.5	12,758	9.7	9.5	9.8
2013	41,540	8.4	8.3	8.5	11,688	9.1	8.9	9.3
2014	41,594	8.3	8.2	8.3	11,442	8.8	8.6	8.9
2015	41,600	8.5	8.4	8.5	10,941	8.8	8.6	8.9
2016	42,074	8.6	8.5	8.7	10,979	8.9	8.8	9.1

Denominator: Live Births		
Year	California	LA County
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	508,748	133,160
2011	500,909	130,313
2012	502,722	131,697
2013	493,587	128,526
2014	502,973	130,150
2015	491,748	124,507
2016	488,827	122,941

Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

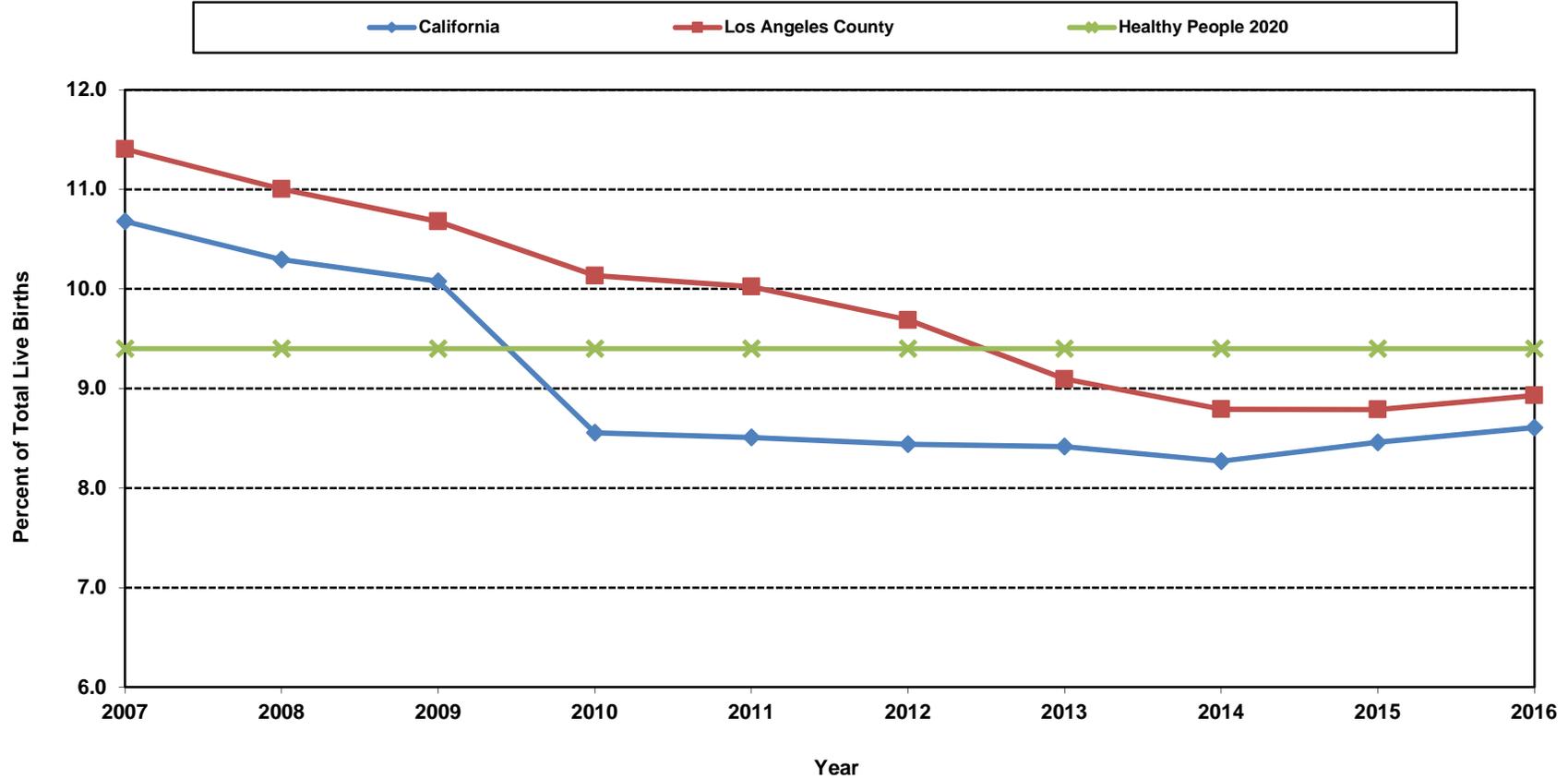
Note: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate in 2015 and 2016.

Sources: California Department of Public Health, Center for Health Statistics and Informatics, Vital Records Data and Statistics, 2007-2016.

Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Natality public-use data 2007-2016 (for California state data)

Preterm Live Births as a Percent of Total Live Births California vs. Los Angeles County, 2007-2016



Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

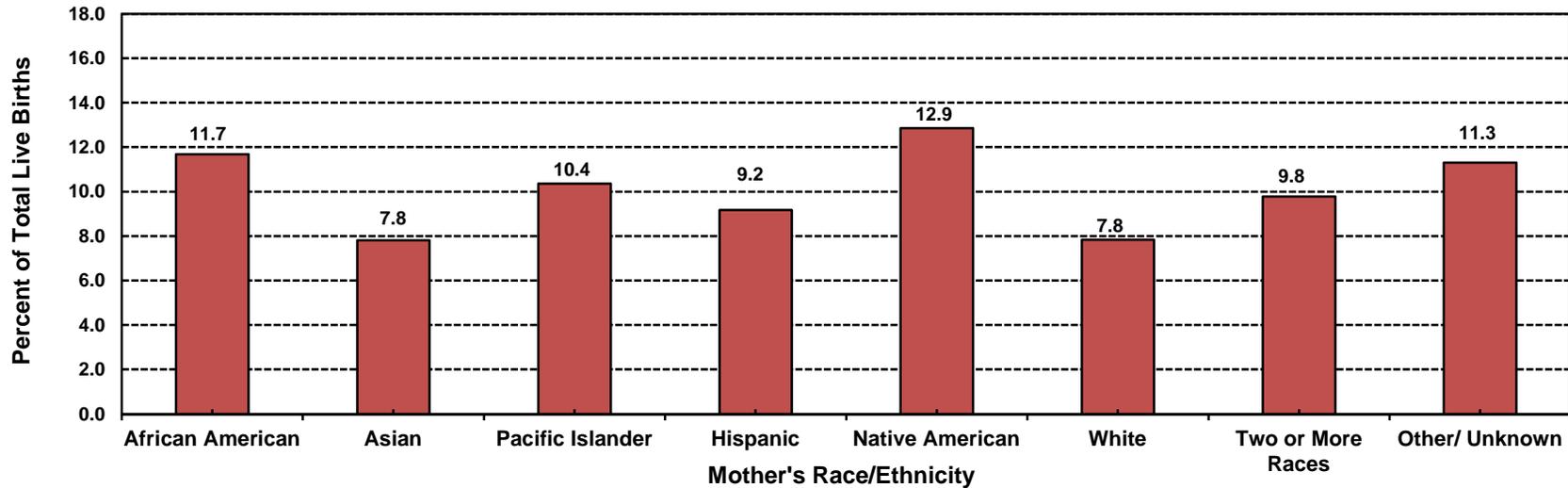
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate in 2015 and 2016.

Sources: California Department of Public Health, Birth Statistical Master Files, 2007-2016.

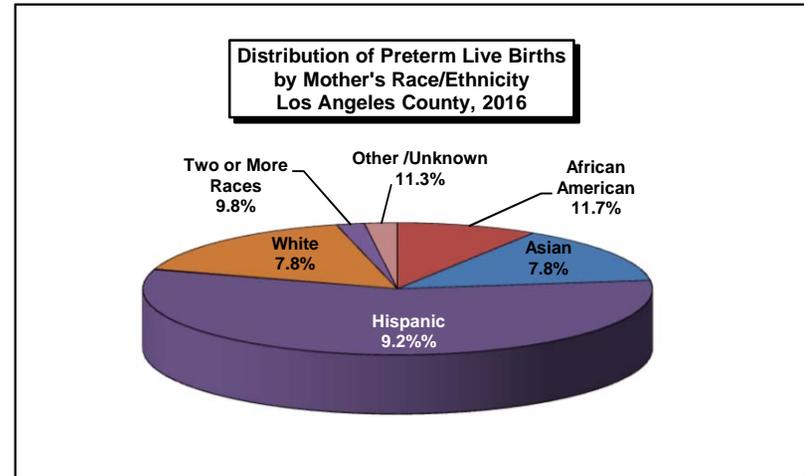
Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Natality public-use data 2007-2016 (for state data)

**Preterm Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Race/Ethnicity	Preterm Live Birth		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	984	11.7	11.0	12.4
Asian	1,531	7.8	7.4	8.2
Pacific Islander	29	10.4	6.8	13.9
Hispanic	6,208	9.2	9.0	9.4
Native American	18	12.9	7.3	18.4
White	1,786	7.8	7.5	8.2
Two or More Races	196	9.8	8.5	11.1
Other/ Unknown	227	11.3	9.9	12.7
Total	10,979	8.9	8.8	9.1

Total Live Births
8,425
19,608
280
67,666
140
22,808
2,005
2,009
122,941

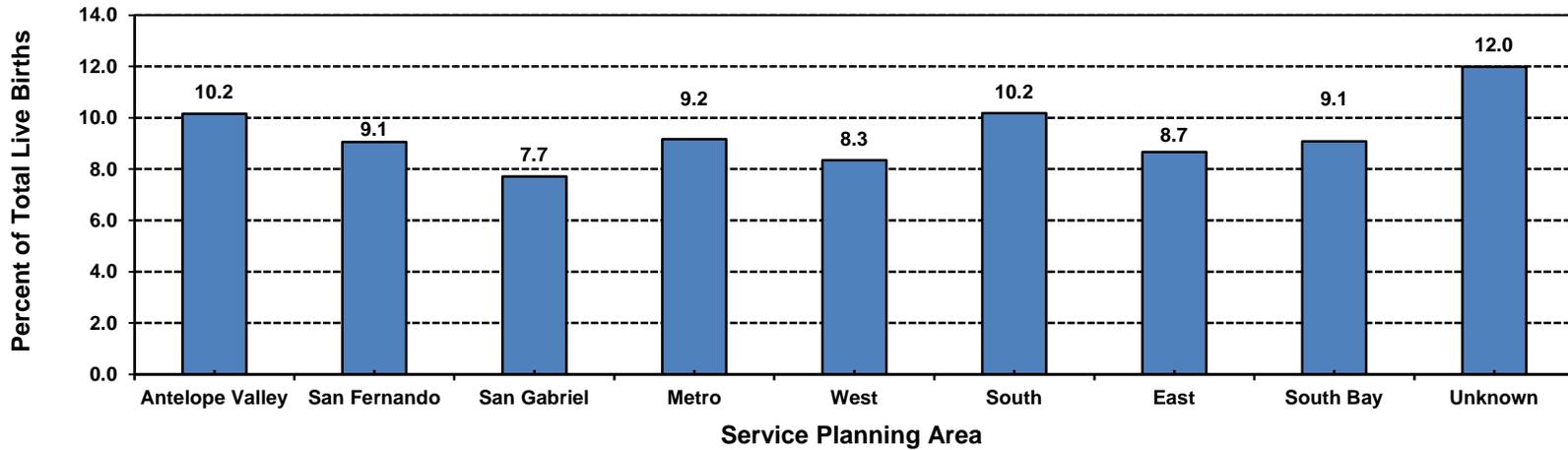


Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.
Gestation calculated based on obstetrical estimate.

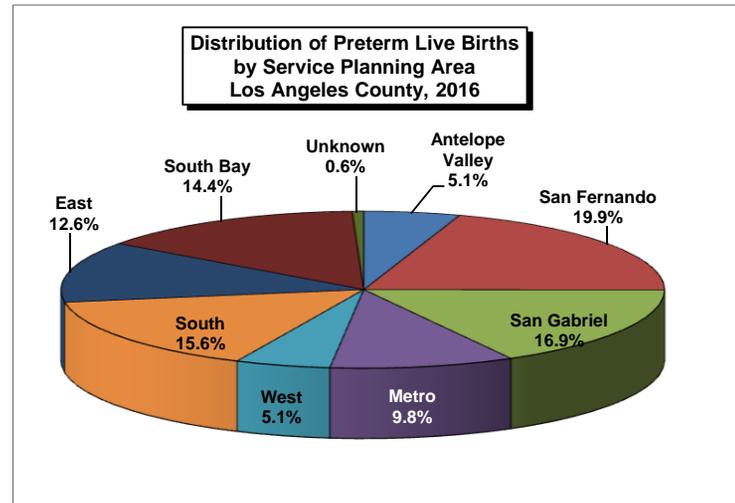
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Preterm Births as a Percent of Total Live Births
by Service Planning Area
Los Angeles County, 2016**



Los Angeles County, 2016				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	564	10.2	9.4	10.9
San Fernando	2,188	9.1	8.7	9.4
San Gabriel	1,853	7.7	7.4	8.0
Metro	1,080	9.2	8.6	9.7
West	557	8.3	7.7	9.0
South	1,708	10.2	9.7	10.6
East	1,380	8.7	8.2	9.1
South Bay	1,582	9.1	8.7	9.5
Unknown	67	12.0	9.3	14.7
Total	10,979	8.9	8.8	9.1

Total Live Births
5,555
24,165
24,048
11,789
6,678
16,786
15,941
17,420
559
122,941



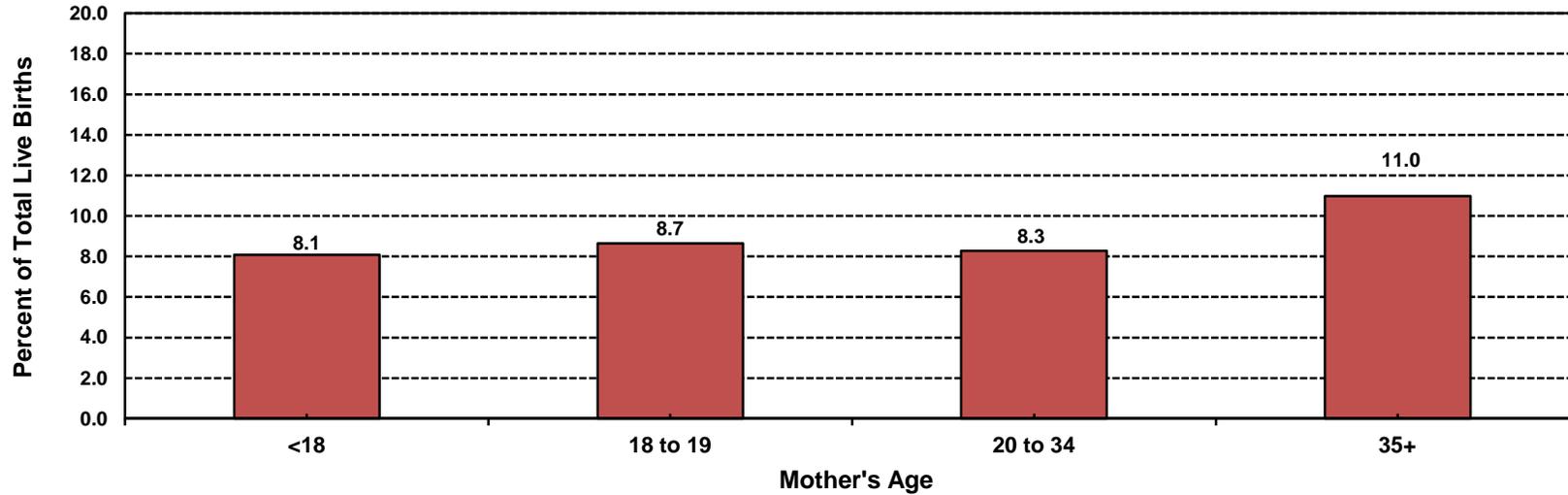
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"Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on obstetrical estimate.

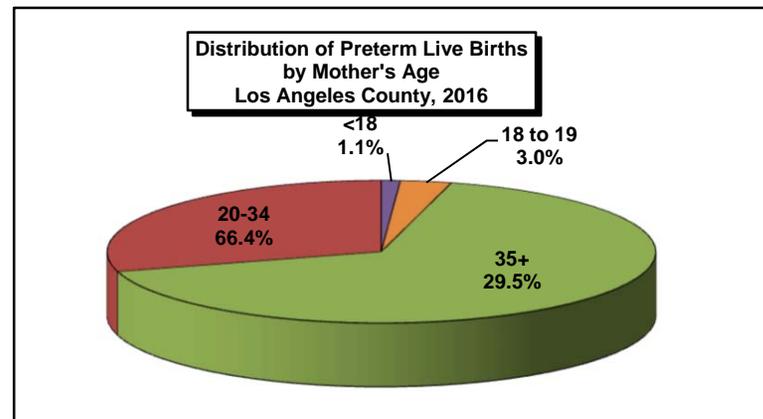
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Preterm Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Age	Preterm Live Birth		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	123	8.1	6.7	9.5
18 to 19	331	8.7	7.8	9.5
20 to 34	7,285	8.3	8.1	8.5
35+	3,239	11.0	10.6	11.3
Other/ Unknown	<5	N/C	N/C	N/C
Total	10,979	8.9	8.8	9.1

Total Live Births
1,521
3,826
88,056
29,523
15
122,941



Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

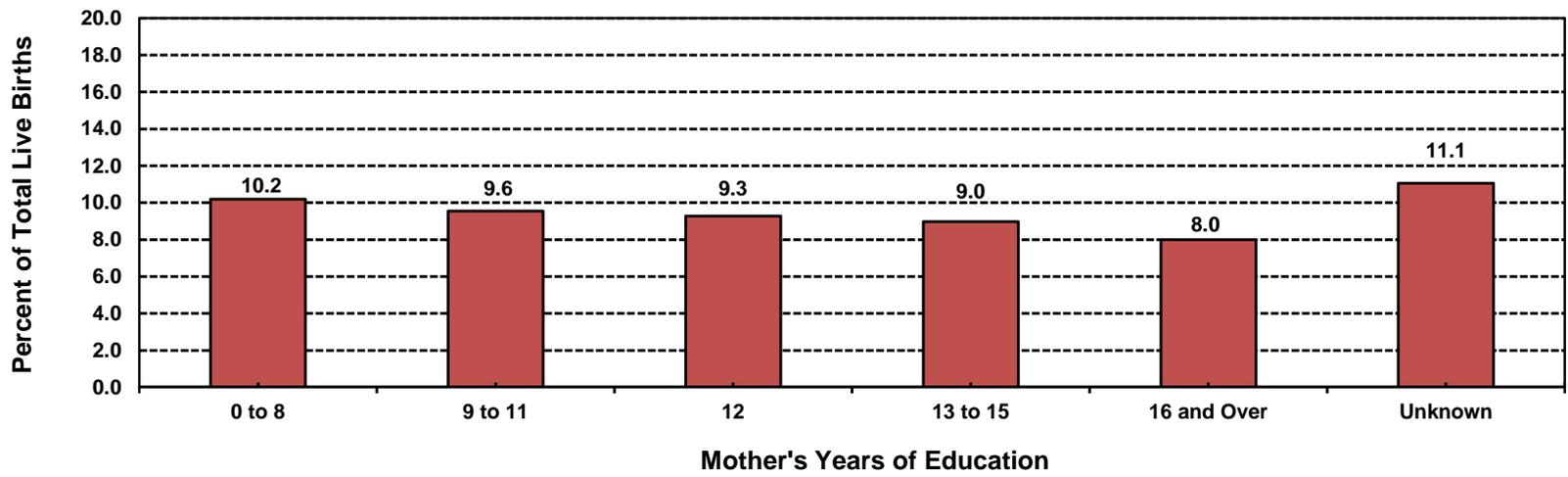
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

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

Gestation calculated based on obstetrical estimate.

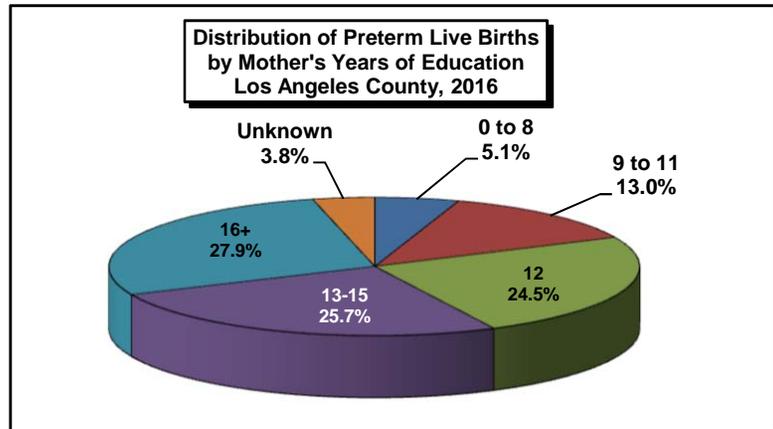
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Preterm Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Years of Education	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	561	10.2	9.4	11.0
9 to 11	1,424	9.6	9.1	10.0
12	2,695	9.3	8.9	9.6
13 to 15	2,821	9.0	8.7	9.3
16 and Over	3,064	8.0	7.7	8.3
Unknown	414	11.1	10.1	12.1
Total	10,979	8.9	8.8	9.1

Total Live Births
5,509
14,905
29,035
31,421
38,326
3,745
122,941



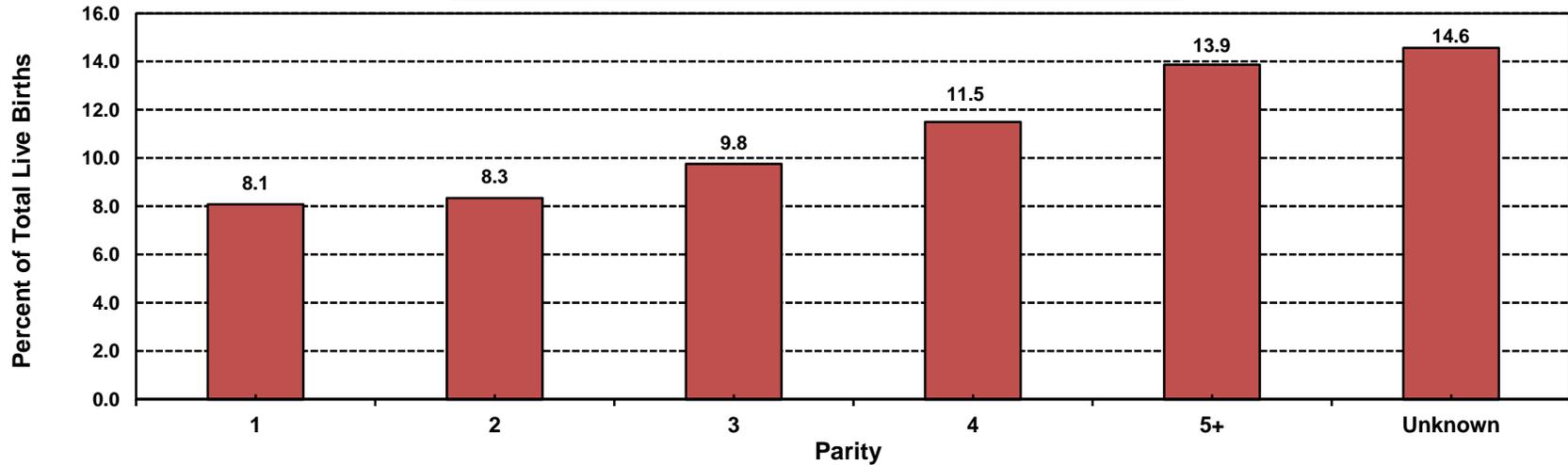
Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on obstetrical estimate.

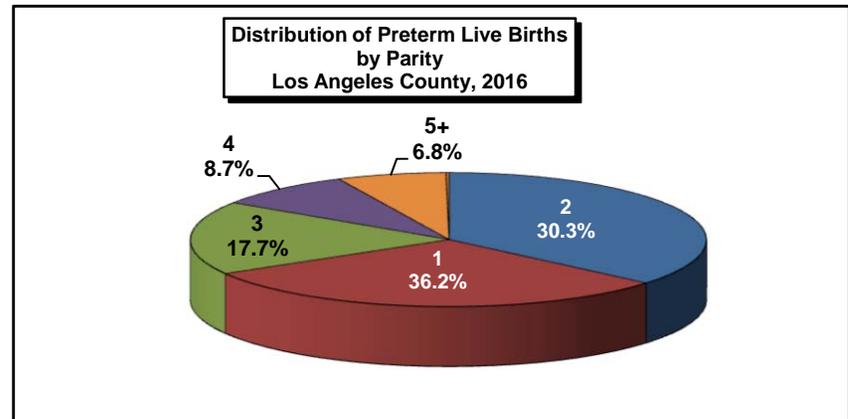
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Preterm Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2016**



Los Angeles County, 2016				
Parity	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	3,976	8.1	7.8	8.3
2	3,331	8.3	8.1	8.6
3	1,946	9.8	9.3	10.2
4	955	11.5	10.8	12.2
5+	749	13.9	12.9	14.8
Unknown	22	14.6	8.9	20.2
Total	10,979	8.9	8.8	9.1

Total Live Births
49,205
39,931
19,945
8,309
5,400
151
122,941



Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

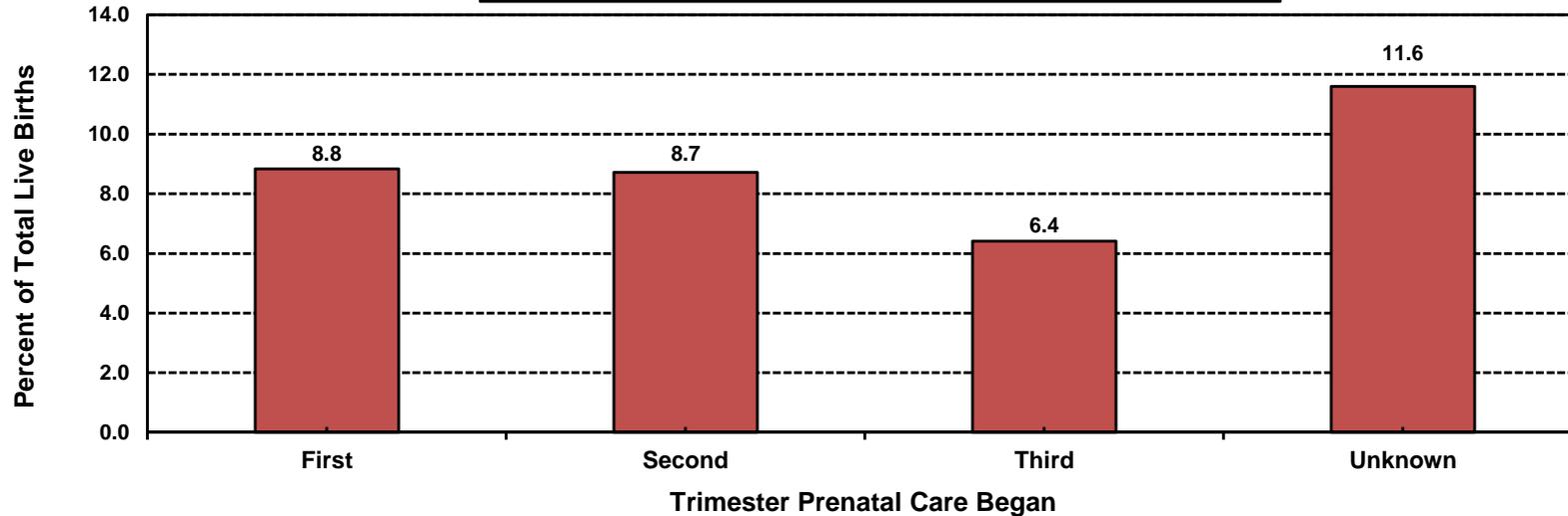
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

"Parity" is defined as the number of pregnancies resulting in live births to a woman.

Gestation calculated based on obstetrical estimate.

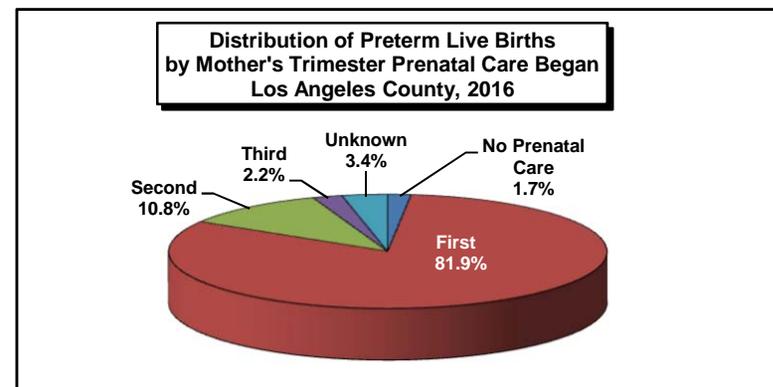
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Preterm Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Trimester Prenatal Care Began	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	189	32.8	28.9	36.6
First	8,997	8.8	8.7	9.0
Second	1,184	8.7	8.2	9.2
Third	241	6.4	5.6	7.2
Unknown	368	11.6	10.5	12.7
Total	10,979	8.9	8.8	9.1

Total Live Births
577
101,858
13,575
3,758
3,173
122,941



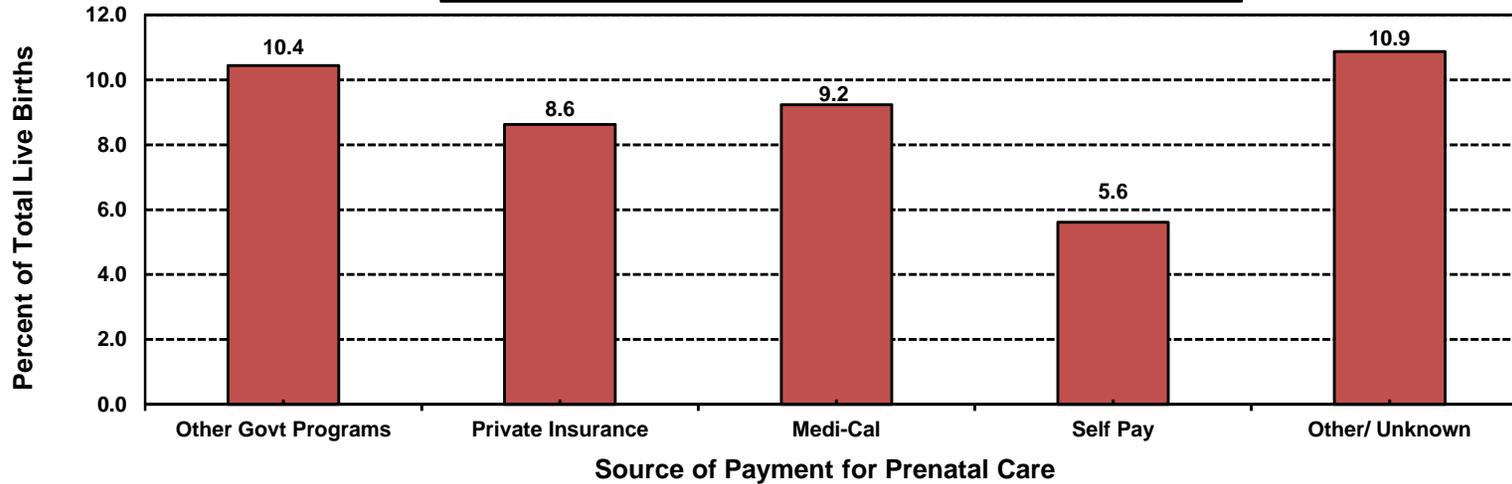
Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on obstetrical estimate.

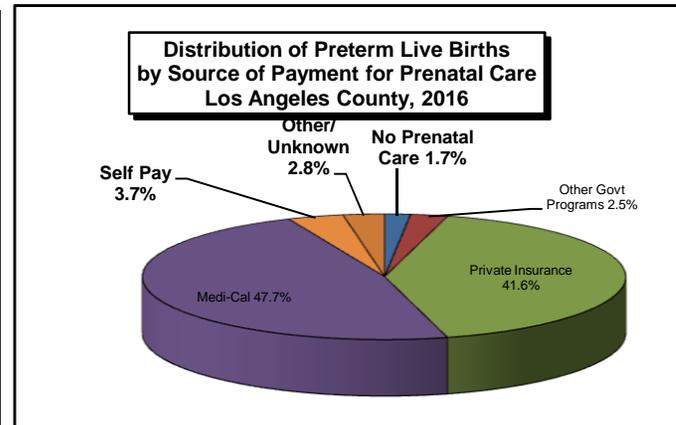
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Preterm Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2016**



Los Angeles County, 2016				
Source of Payment for Prenatal Care	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	189	32.8	28.9	36.6
Other Govt Programs	273	10.4	9.3	11.6
Private Insurance	4,569	8.6	8.4	8.9
Medi-Cal	5,236	9.2	9.0	9.5
Self Pay	410	5.6	5.1	6.1
Other/ Unknown	302	10.9	9.7	12.0
Total	10,979	8.9	8.8	9.1

Total Live Births
577
2,616
52,971
56,687
7,311
2,779
122,941



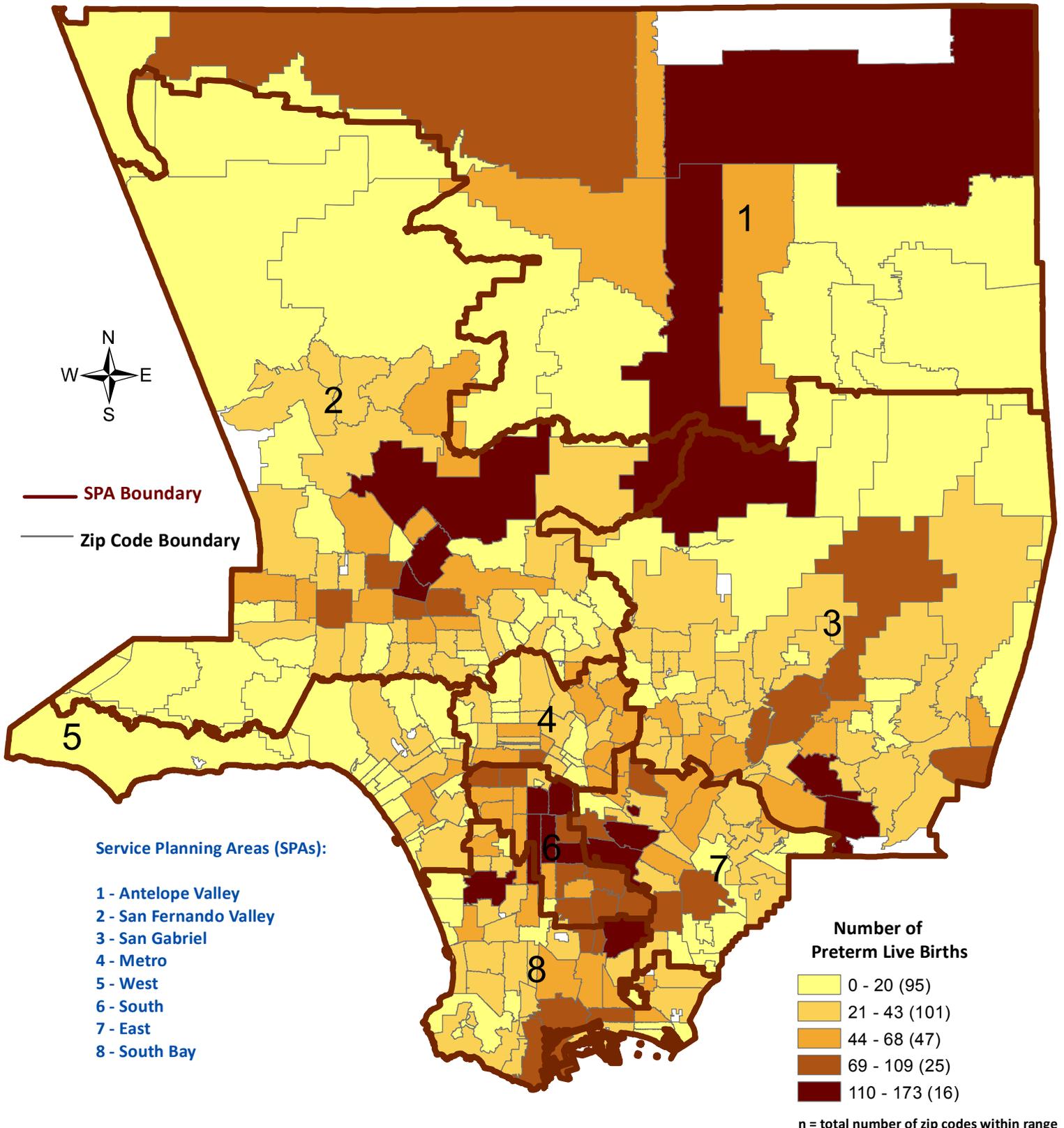
Year 2020 Objective: Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on obstetrical estimate.

Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Los Angeles County - Department of Public Health
 Number of Preterm Live Births by Zip Code* and Service Planning Area (SPA)
 Los Angeles County, 2016**



*Los Angeles County zip code boundaries as of 2010

Total number of live births in Los Angeles County, 2016 = 122,941

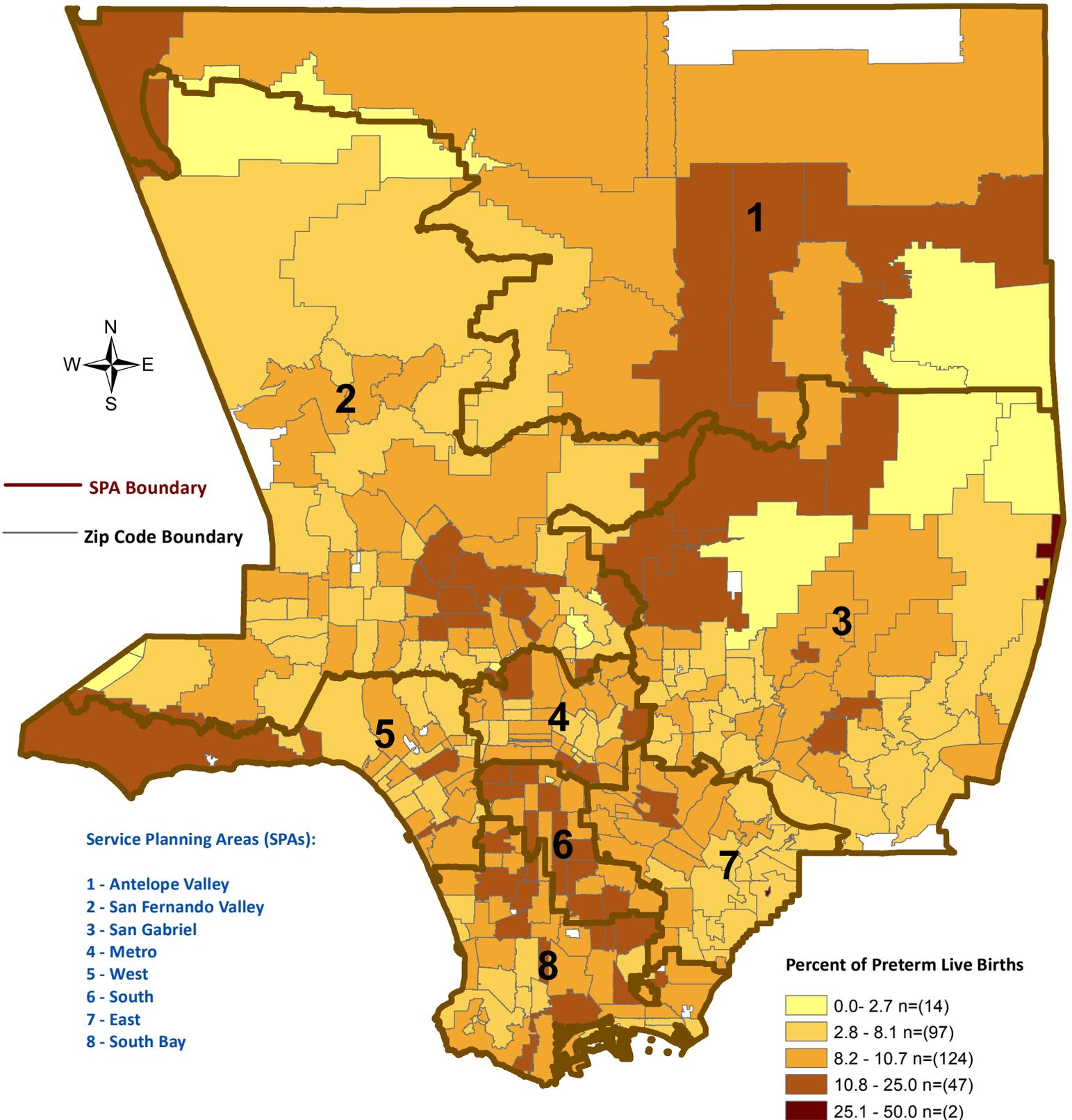
Total number of preterm live births in Los Angeles County, 2016 = 10,979

Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation and greater than or equal to 17 weeks.

Zip code 90704 (Catalina Island) is not included. Total number of preterm live births in 90704, 2016 = < 5

Source : California Department of Public Health, Birth Statistical Master File, 2016

**Los Angeles County - Department of Public Health
Percent of Preterm Live Births by Zip Code* and Service Planning Area (SPA)
Los Angeles County, 2016**



*Los Angeles County zip code boundaries as of 2010

Total number of live births in Los Angeles County, 2016 = 122,941

Total number of preterm live births in Los Angeles County, 2016 = 10,979

Year 2020 Objective: Reduce preterm live births to an incidence of no more than 11.4 percent of live births.

Percent of preterm live births per 100 live births in Los Angeles County in 2016 = 8.9

Note: Preterm live births is defined as live births occurring at less than 37 weeks of gestation and greater than or equal to 17 weeks per 100 live births.

Zip code 90704 (Catalina Island) is not included. Percent of preterm live births in 90704, 2016 = < 5

Source : California Department of Public Health, Birth Statistical Master File, 2016

n = total number of zip codes within range

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)

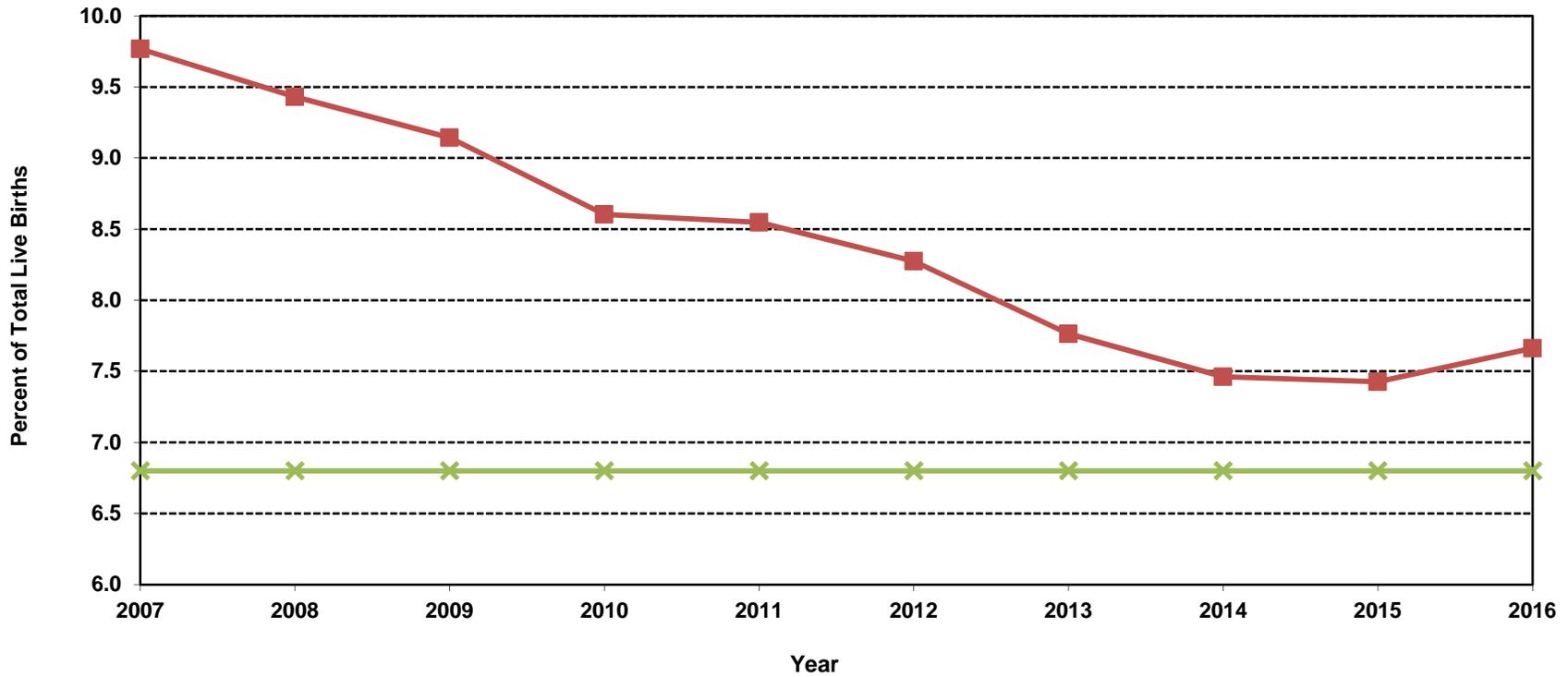
Year	Los Angeles County			
	Moderately Preterm		95% Confidence Interval	
	Number	Percent	Lower	Upper
2007	14,828	9.8	9.6	9.9
2008	13,928	9.4	9.3	9.6
2009	12,770	9.1	9.0	9.3
2010	11,456	8.6	8.5	8.8
2011	11,138	8.5	8.4	8.7
2012	10,897	8.3	8.1	8.4
2013	9,977	7.8	7.6	7.9
2014	9,710	7.5	7.3	7.6
2015	9,246	7.4	7.3	7.6
2016	9,420	7.7	7.5	7.8

Denominator: Live Births	
Year	LA County
2007	151,813
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

Source: California Department of Public Health, Birth Statistical Master Files, 2007-2016.

**Moderate Preterm Live Births as a Percent of Total Live Births
Los Angeles County, 2007-2016**

Los Angeles County Healthy People 2020



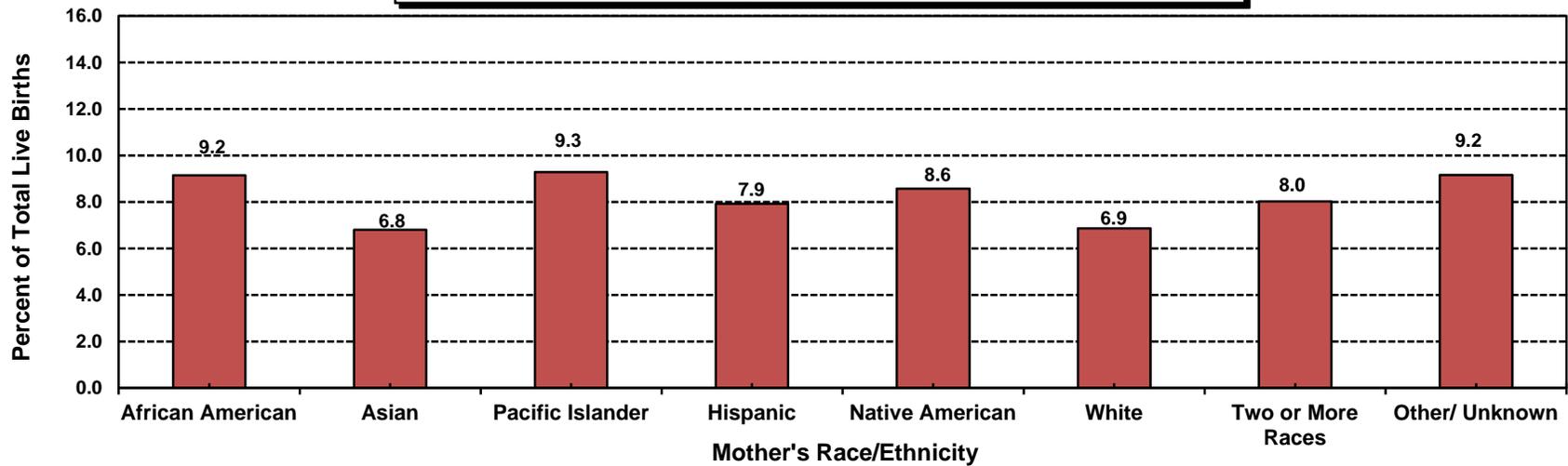
Year 2020 Objective: Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 6.8 percent of live births.

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 calculated based on obstetrical estimate in 2015 and 2016.

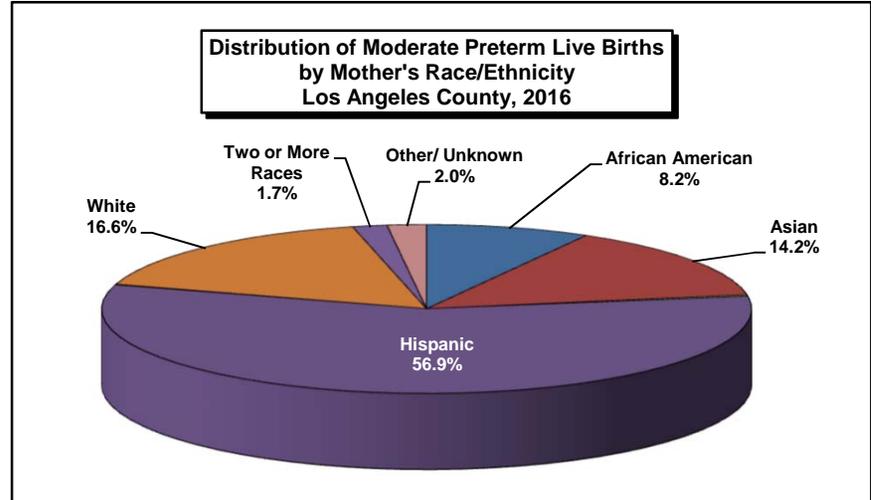
Source: California Department of Public Health, Birth Statistical Master Files, 2007-2016.

**Moderate Preterm Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Race/Ethnicity	Moderate Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	771	9.2	8.5	9.8
Asian	1,335	6.8	6.5	7.2
Pacific Islander	26	9.3	5.9	12.7
Hispanic	5,363	7.9	7.7	8.1
Native American	12	8.6	3.9	13.2
White	1,568	6.9	6.5	7.2
Two or More Races	161	8.0	6.8	9.2
Other/ Unknown	184	9.2	7.9	10.4
Total	9,420	7.7	7.5	7.8

Total Live Births
8,425
19,608
280
67,666
140
22,808
2,005
2,009
122,941



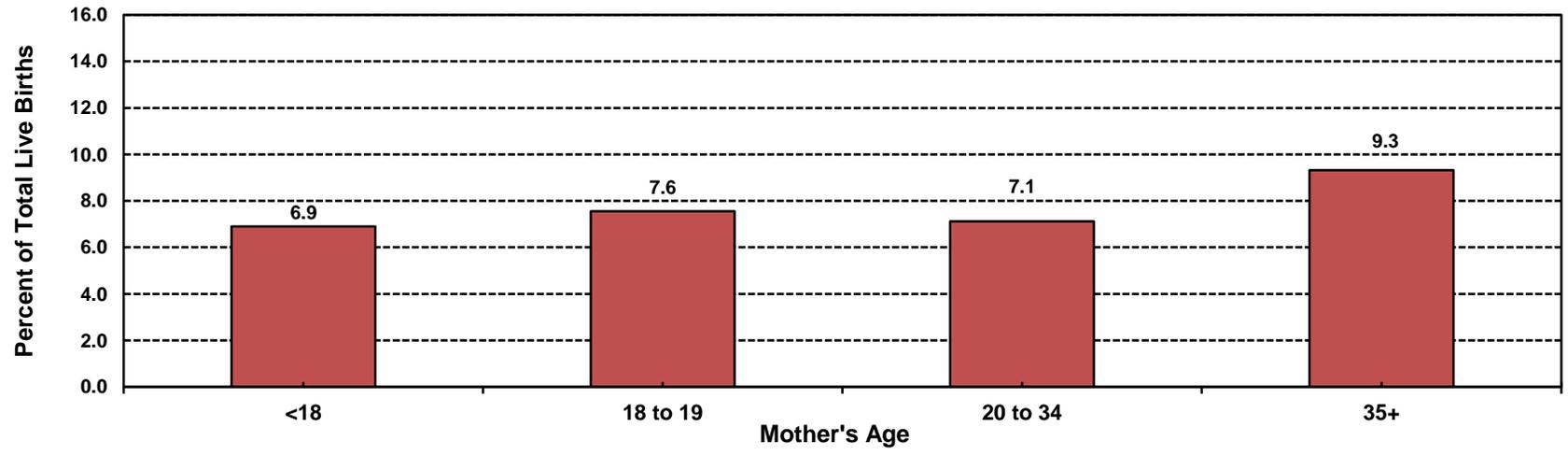
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Gestation calculated based on obstetrical estimate.

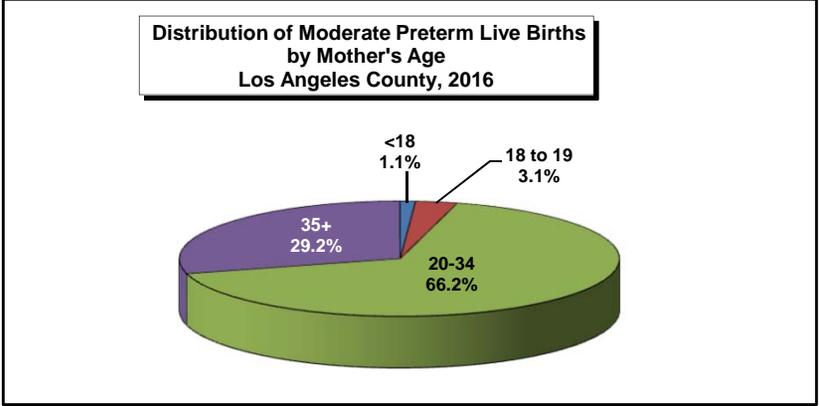
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Moderate Preterm Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Age	Moderate Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	105	6.9	5.6	8.2
18 to 19	289	7.6	6.7	8.4
20 to 34	6,272	7.1	7.0	7.3
35+	2,753	9.3	9.0	9.7
Other/Unknown	<5	N/C	N/C	N/C
Total	9,420	7.7	7.5	7.8

Total Live Births
1,521
3,826
88,056
29,523
15
122,941



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.

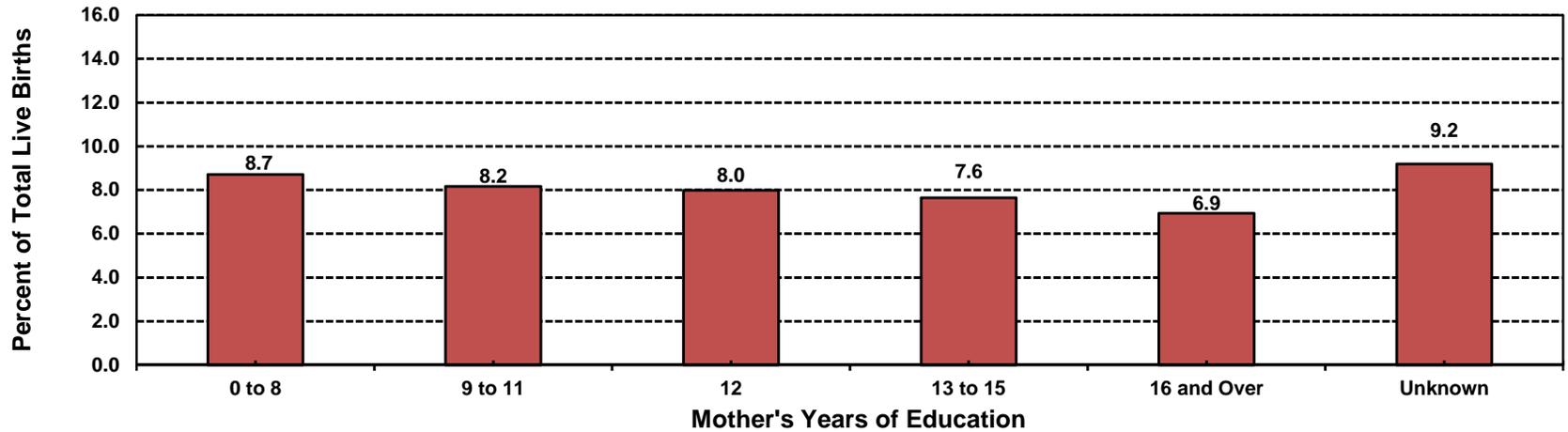
Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.

Gestation calculated based on obstetrical estimate.

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

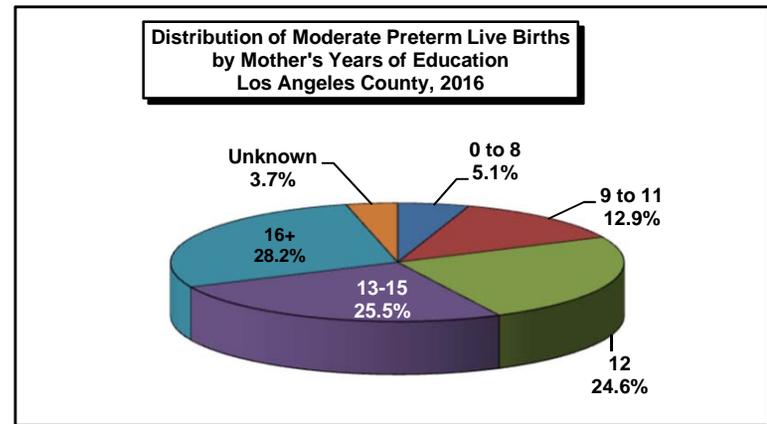
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Moderate Preterm Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Years of Education	Moderate Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	480	8.7	8.0	9.5
9 to 11	1,218	8.2	7.7	8.6
12	2,318	8.0	7.7	8.3
13 to 15	2,403	7.6	7.4	7.9
16 and Over	2,657	6.9	6.7	7.2
Unknown	344	9.2	8.3	10.1
Total	9,420	7.7	7.5	7.8

Total Live Births
5,509
14,905
29,035
31,421
38,326
3,745
122,941



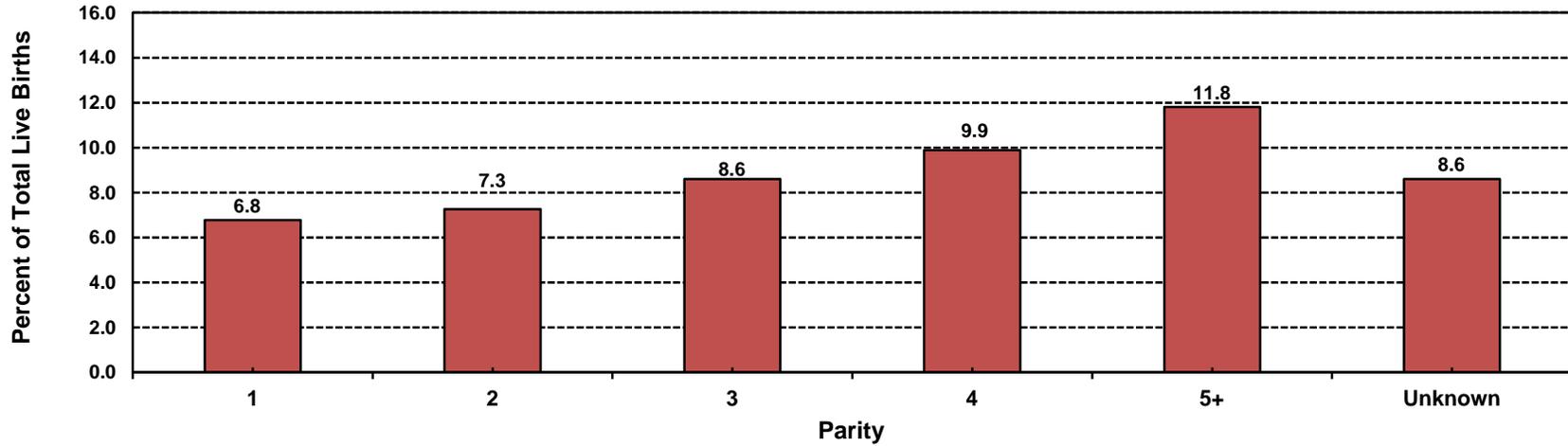
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Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.

Gestation calculated based on obstetrical estimate.

Source: California Department of Public Health, Birth Statistical Master File, 2016.

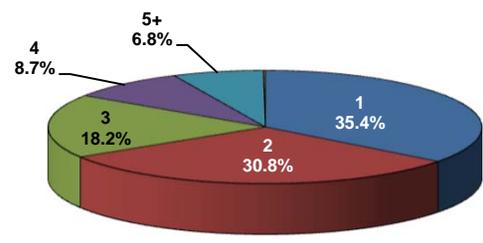
**Moderate Preterm Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2016**



Los Angeles County, 2016				
Parity	Moderate Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	3,333	6.8	6.6	7.0
2	2,898	7.3	7.0	7.5
3	1,716	8.6	8.2	9.0
4	822	9.9	9.3	10.5
5+	638	11.8	11.0	12.7
Unknown	13	8.6	4.1	13.1
Total	9,420	7.7	7.5	7.8

Total Live Births
49,205
39,931
19,945
8,309
5,400
151
122,941

**Distribution of Moderate Preterm Live Births
by Parity
Los Angeles County, 2016**



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.

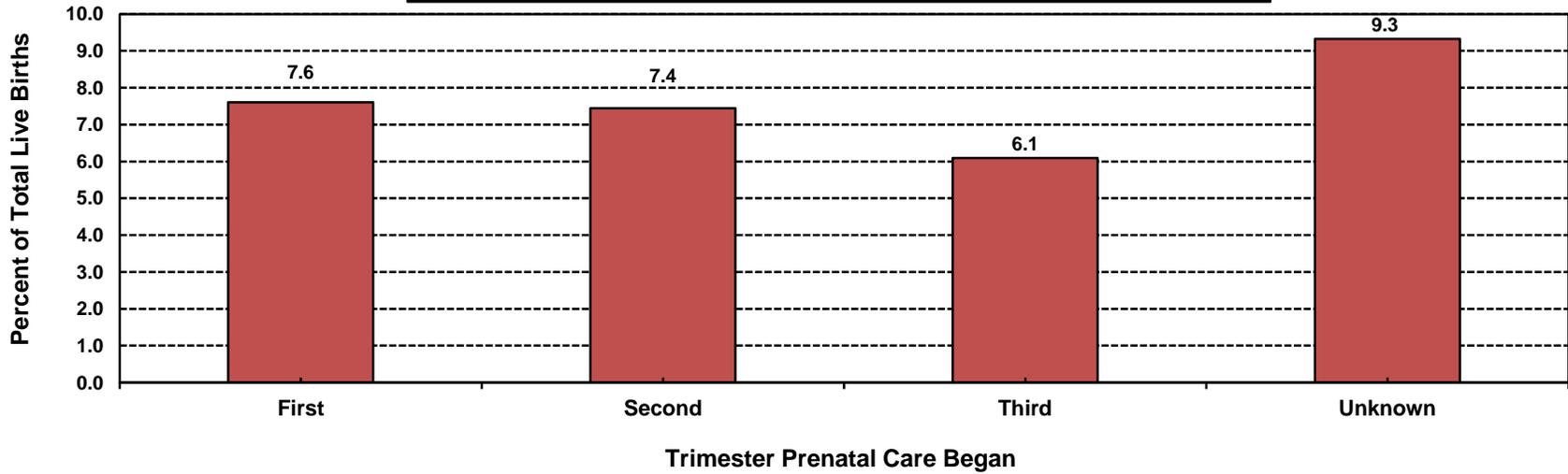
Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.

Gestation calculated based on obstetrical estimate.

"Parity" is defined as the number of pregnancies resulting in live births to a woman.

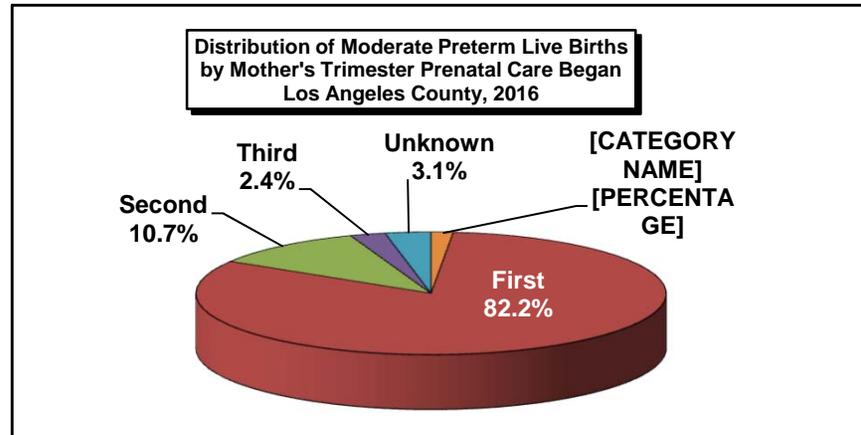
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Moderate Preterm Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Trimester Prenatal Care Began	Moderate Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	143	24.8	21.3	28.3
First	7,742	7.6	7.4	7.8
Second	1,010	7.4	7.0	7.9
Third	229	6.1	5.3	6.9
Unknown	296	9.3	8.3	10.3
Total	9,420	7.7	7.5	7.8

Total Live Births
577
101,858
13,575
3,758
3,173
122,941



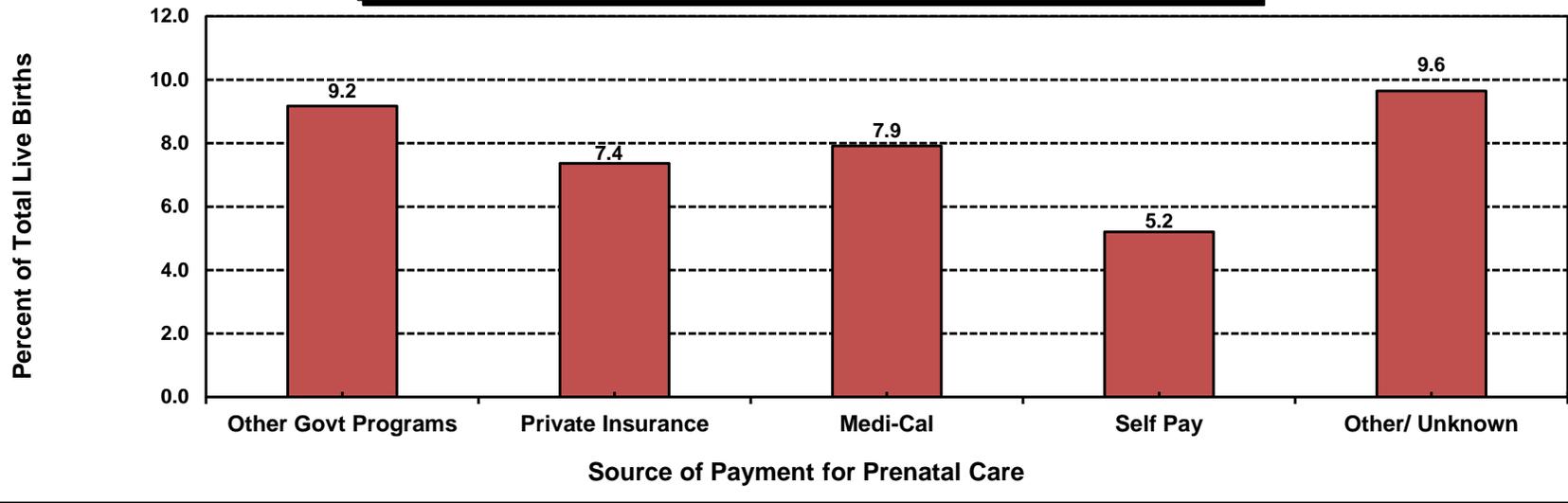
Year 2020 Objective: Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 6.8 percent of live births.

Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.

Gestation calculated based on obstetrical estimate.

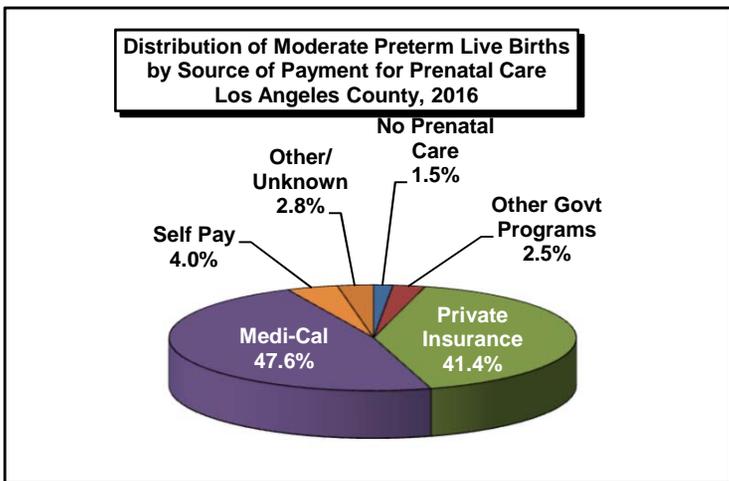
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Moderate Preterm Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2016**



Los Angeles County, 2016				
Source of Payment for Prenatal Care	Moderate Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	143	24.8	21.3	28.3
Other Govt Programs	240	9.2	8.1	10.3
Private Insurance	3,901	7.4	7.1	7.6
Medi-Cal	4,487	7.9	7.7	8.1
Self Pay	381	5.2	4.7	5.7
Other/ Unknown	268	9.6	8.5	10.7
Total	9,420	7.7	7.5	7.8

Total Live Births
577
2,616
52,971
56,687
7,311
2,779
122,941



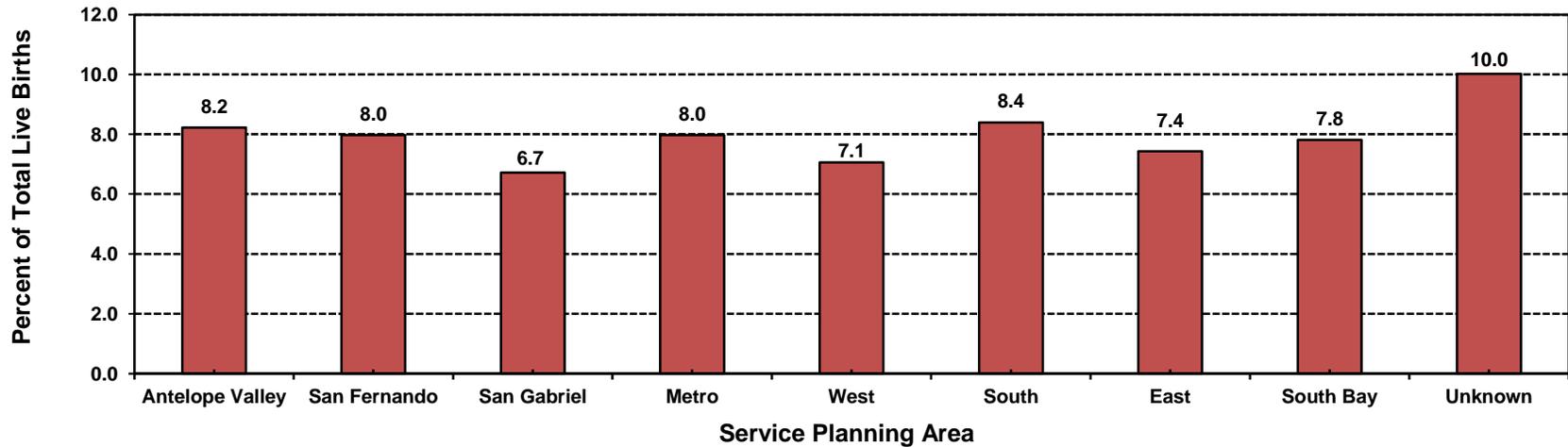
Year 2020 Objective: Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 6.8 percent of live births.

Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.

Gestation calculated based on obstetrical estimate.

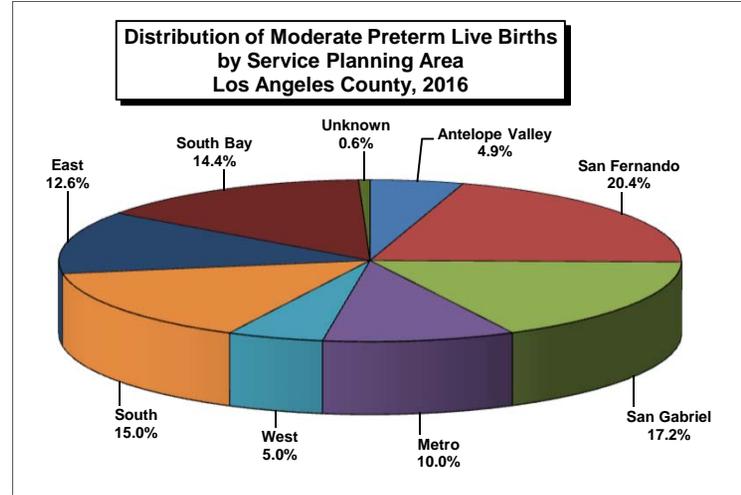
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Moderate Preterm Births as a Percent of Total Live Births
by Service Planning Area
Los Angeles County, 2016**



Los Angeles County, 2016				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	457	8.2	7.5	8.9
San Fernando	1,926	8.0	7.6	8.3
San Gabriel	1,616	6.7	6.4	7.0
Metro	940	8.0	7.5	8.5
West	471	7.1	6.4	7.7
South	1,409	8.4	8.0	8.8
East	1,185	7.4	7.0	7.8
South Bay	1,360	7.8	7.4	8.2
Unknown	56	10.0	7.5	12.5
Total	9,420	7.7	7.5	7.8

Total Live Births
5,555
24,165
24,048
11,789
6,678
16,786
15,941
17,420
559
122,941



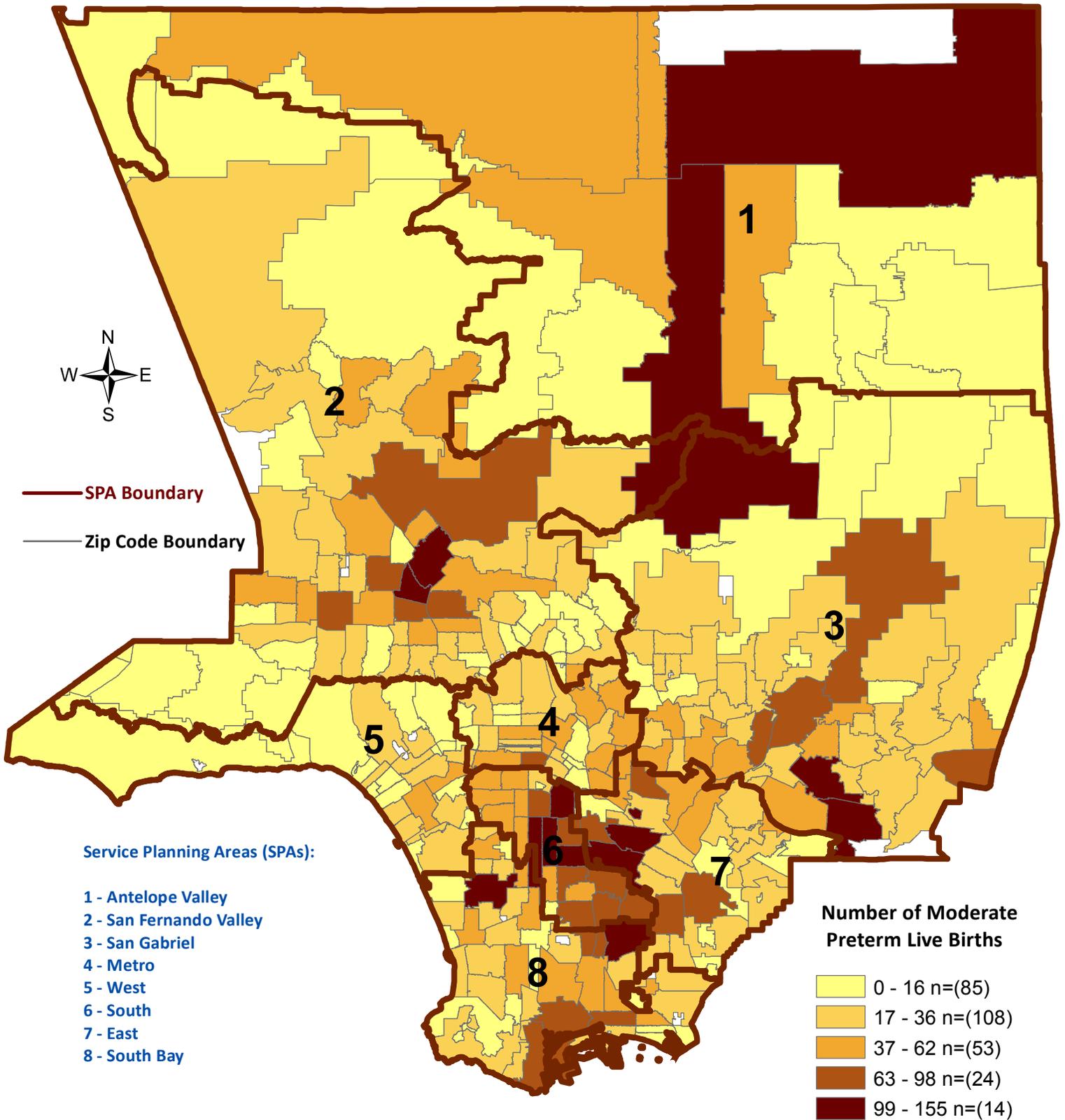
Year 2020 Objective: Reduce moderate preterm live births between 34 to 36 weeks of gestation to no more than 6.8 percent of live births.

Notes: "Moderate Preterm Live Births" is defined as live births occurring at 34 weeks through 36 weeks of gestation.

Gestation calculated based on obstetrical estimate.

Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Los Angeles County - Department of Public Health
 Number of Moderate Preterm Live Births by Zip Code* and Service Planning Area (SPA)
 Los Angeles County, 2016**



*Los Angeles County zip code boundaries as of 2016

Total number of live births in Los Angeles County, 2016 = 122,941

Total number of moderate preterm live births in Los Angeles County, 2016 = 9,566

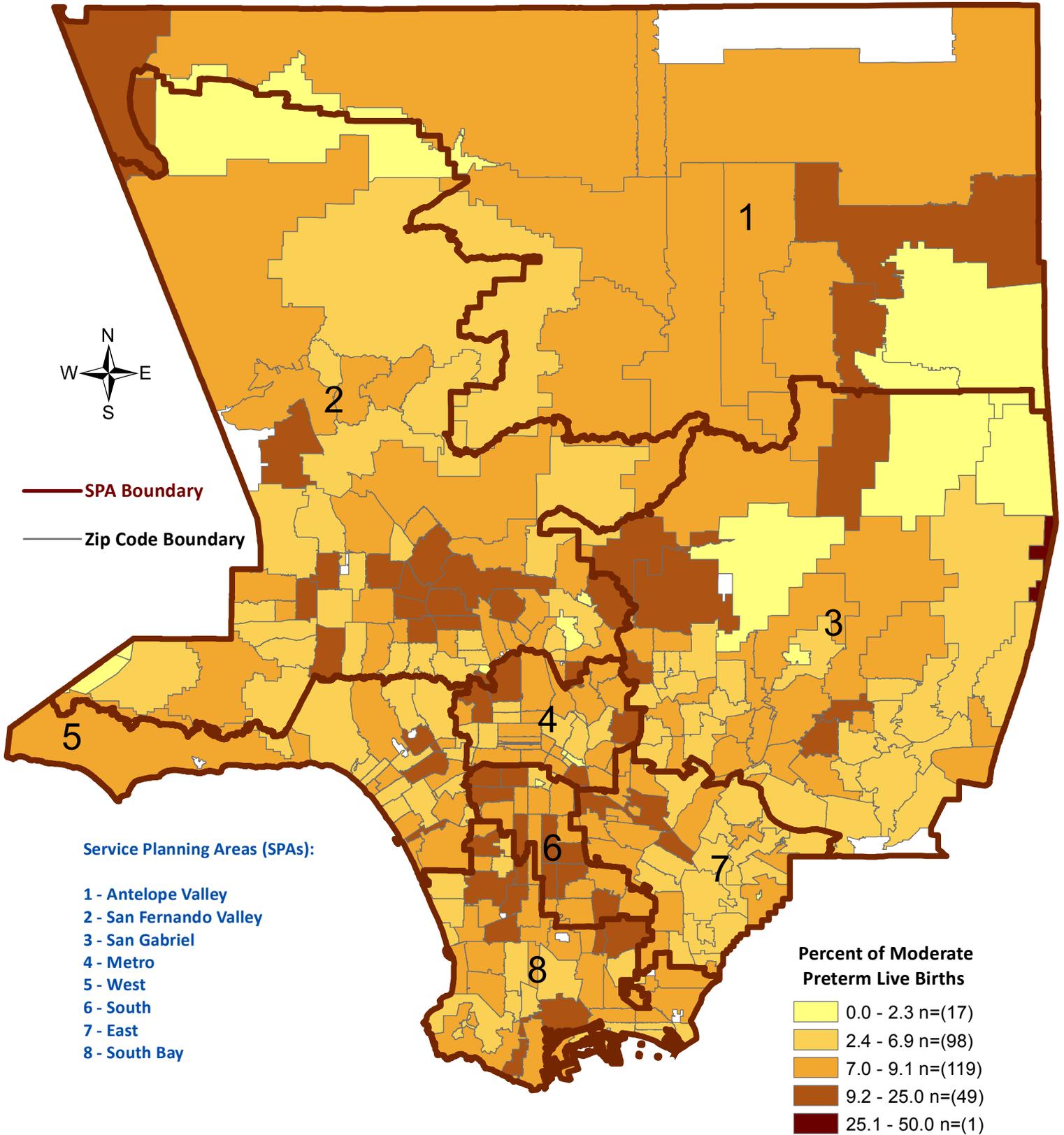
Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

Zip code 90704 (Catalina Island) is not included. Total number of moderate preterm live births in 90704 in 2016 = < 5

Source : California Department of Public Health, Birth Statistical Master File, 2016

n = total number of zip codes within range

Los Angeles County - Department of Public Health
Percent of Moderate Preterm Live Births by Zip Code* and Service Planning Area (SPA)
Los Angeles County, 2016



*Los Angeles County zip code boundaries as of 2016

Total number of live births in Los Angeles County, 2016 = 122,941

Total number of moderate preterm live births in Los Angeles County, 2016 = 9,420

Note: Moderate preterm live births is defined as live births occurring at 32 weeks through 36 weeks of gestation.

Zip code 90704 (Catalina Island) is not included. Total number of moderate preterm live births in 90704, 2016 = < 5

Source : California Department of Public Health, Birth Statistical Master File, 2016

Early Preterm

Early Preterm Live Births

INDICATOR: Percent of Early Preterm Live Births

DEFINITION: The percent of live births occurring at less than 32 weeks of gestation.

NUMERATOR: The number of live births occurring at less than 32 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 OBJECTIVE:

Reduce early preterm births to an incidence of no more than 1.5 percent of live births. (Baseline: 1.7 percent in 2007) (Objective MICH-9.4)

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)

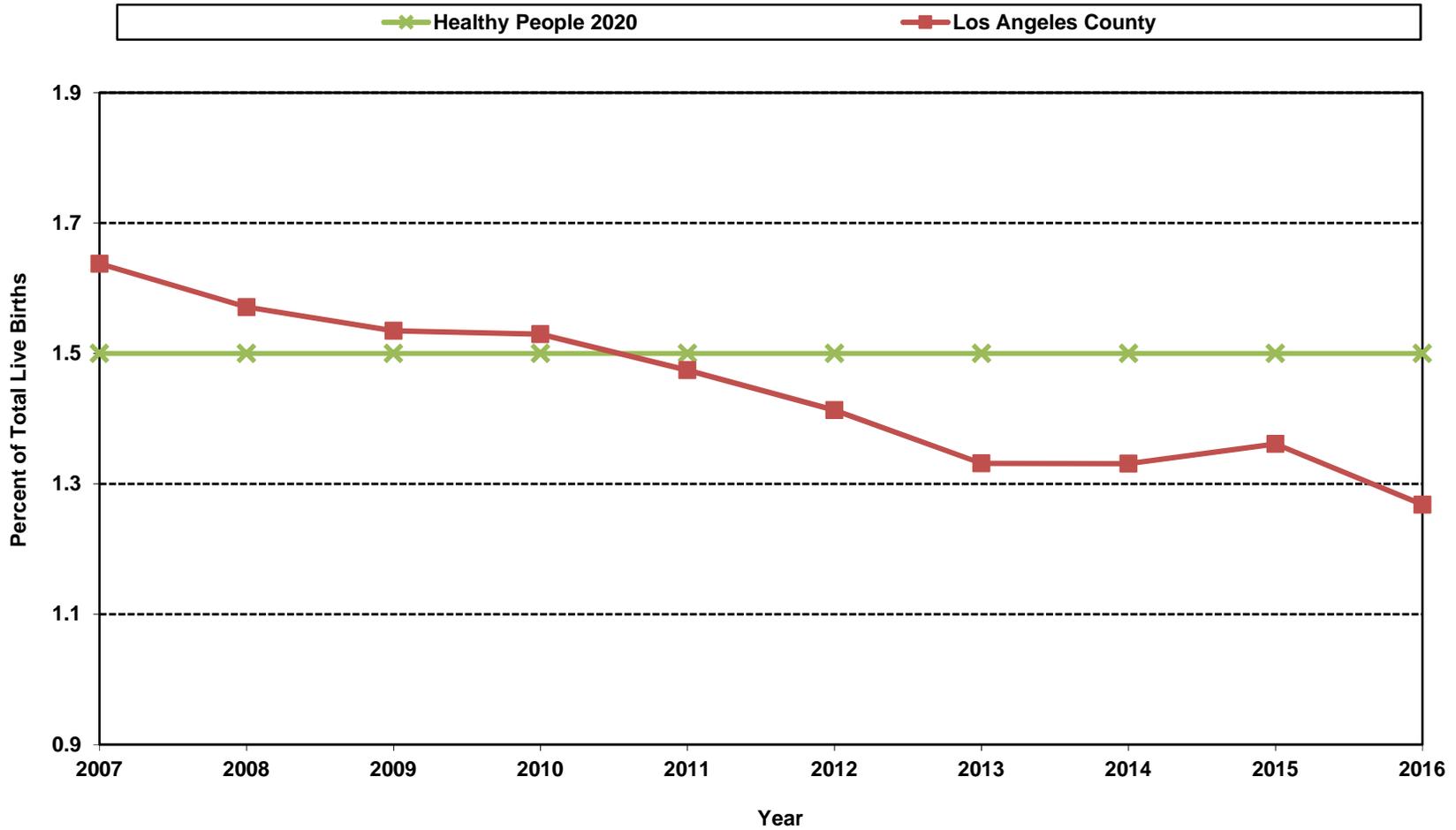
Year	Los Angeles County			
	Early Preterm		95% Confidence Interval	
	Number	Percent	Lower	Upper
2007	2,486	1.6	1.6	1.7
2008	2,320	1.6	1.5	1.6
2009	2,144	1.5	1.5	1.6
2010	2,037	1.5	1.5	1.6
2011	1,921	1.5	1.4	1.5
2012	1,861	1.4	1.3	1.5
2013	1,711	1.3	1.3	1.4
2014	1,732	1.3	1.3	1.4
2015	1,695	1.4	1.3	1.4
2016	1,559	1.3	1.2	1.3

Denominator: Live Births	
Year	LA County
2007	151,813
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

Note: Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate in 2015 and 2016.

Source: California Department of Public Health, Birth Statistical Master Files, 2007-2016.

Early Preterm Live Births as a Percent of Total Live Births Los Angeles County, 2007-2016

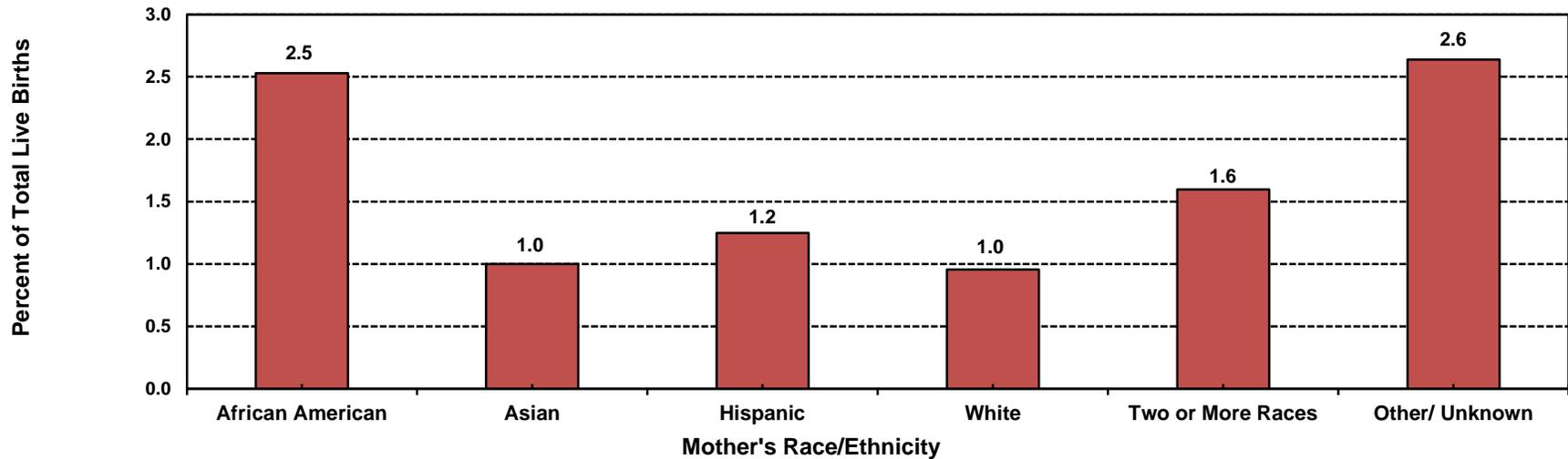


Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

Note: Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate in 2015 and 2016.

Source: California Department of Public Health, Birth Statistical Master Files, 2007-2016.

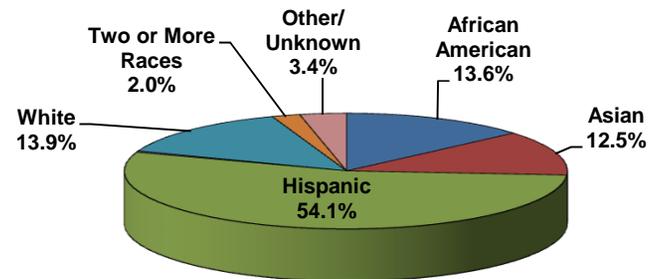
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Race/Ethnicity	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	213	2.5	2.2	2.9
Asian	196	1.0	0.9	1.1
Hispanic	845	1.2	1.2	1.3
Native American	6	4.3	0.9	7.6
White	218	1.0	0.8	1.1
Two or More Races	32	1.6	1.0	2.1
Pacific Islander	<5	N/C	N/C	N/C
Other/ Unknown	53	2.6	1.9	3.3
Total	1,559	1.3	1.2	1.3

Total Live Births
8,425
19,608
67,666
140
22,808
2,005
280
2,009
122,941

**Distribution of Early Preterm Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2016**



Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

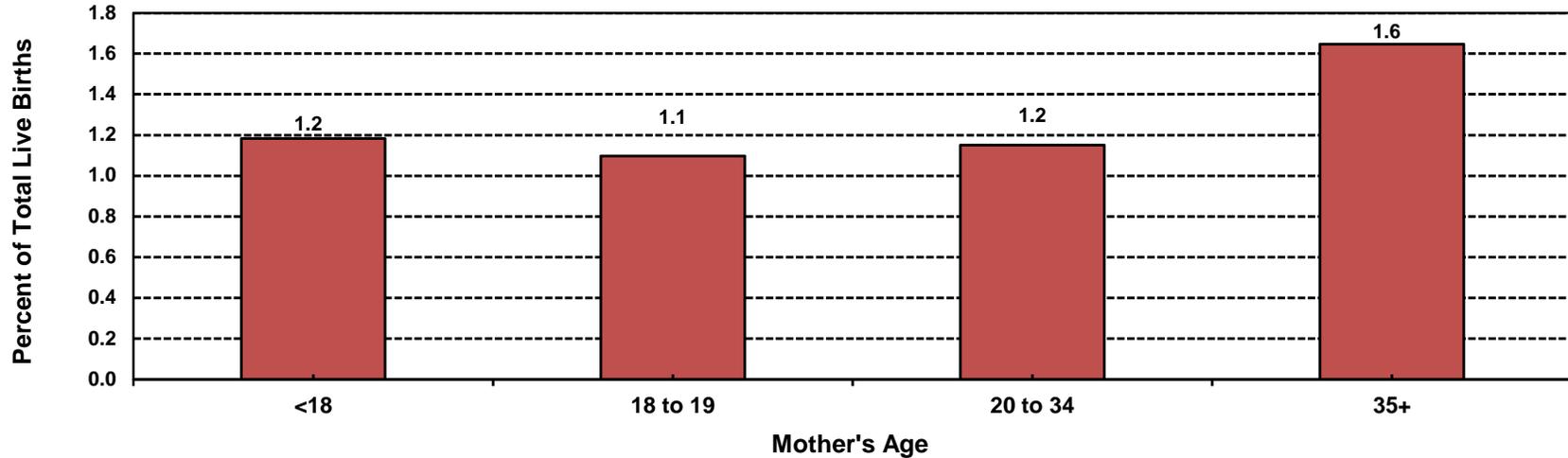
Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.

Gestation calculated based on obstetrical estimate.

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

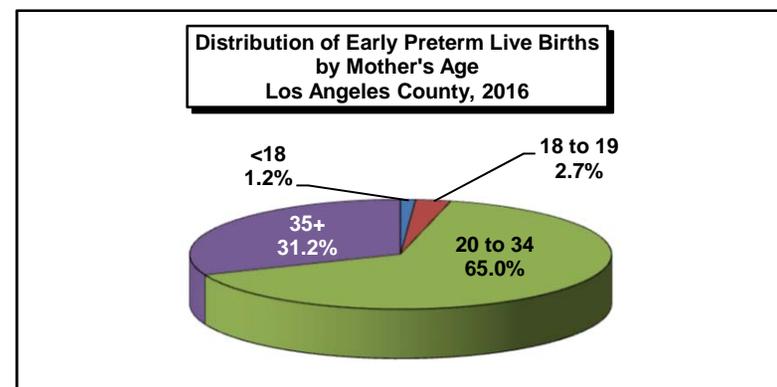
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Age	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	18	1.2	0.6	1.7
18 to 19	42	1.1	0.8	1.4
20 to 34	1,013	1.2	1.1	1.2
35+	486	1.6	1.5	1.8
Other/Unknown	<5	N/C	N/C	N/C
Total	1,559	1.3	1.2	1.3

Total Live Births
1,521
3,826
88,056
29,523
15
122,941



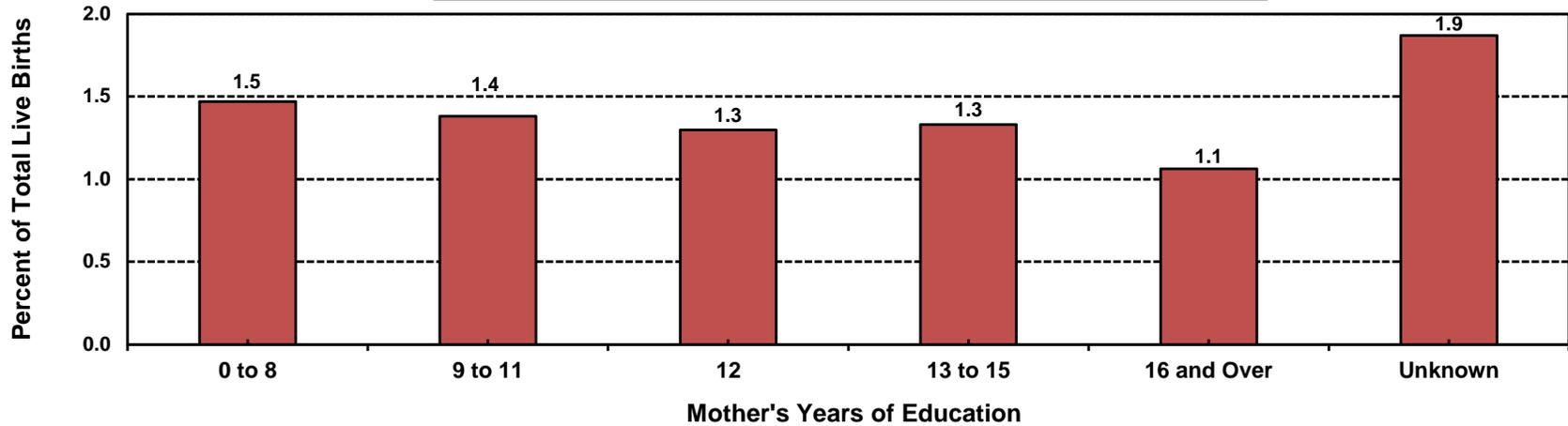
Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation. Gestation calculated based on obstetrical estimate.

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, 2016.

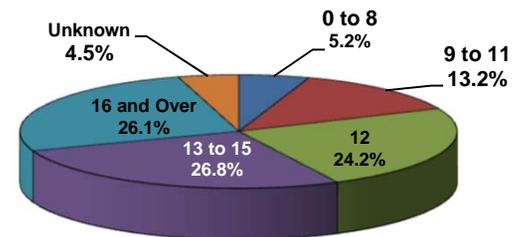
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Years of Education	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	81	1.5	1.2	1.8
9 to 11	206	1.4	1.2	1.6
12	377	1.3	1.2	1.4
13 to 15	418	1.3	1.2	1.5
16 and Over	407	1.1	1.0	1.2
Unknown	70	1.9	1.4	2.3
Total	1,559	1.3	1.2	1.3

Total Live Births
5,509
14,905
29,035
31,421
38,326
3,745
122,941

**Distribution of Early Preterm Live Births
by Mother's Years of Education
Los Angeles County, 2016**

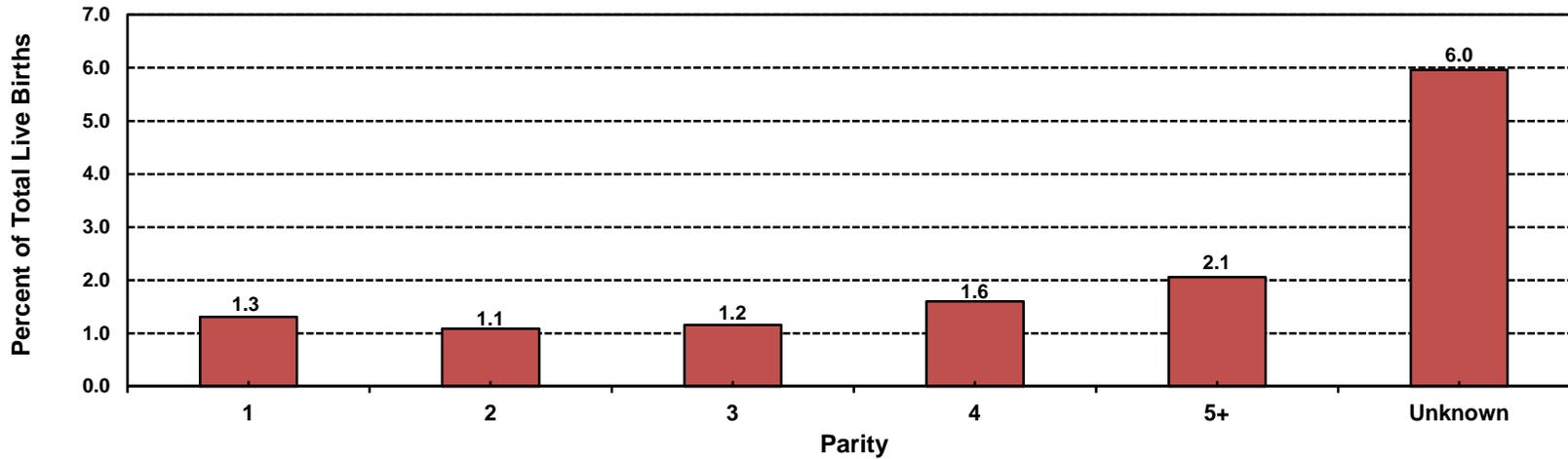


Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation. Gestation calculated based on obstetrical estimate.

Source: California Department of Public Health, Birth Statistical Master File, 2016.

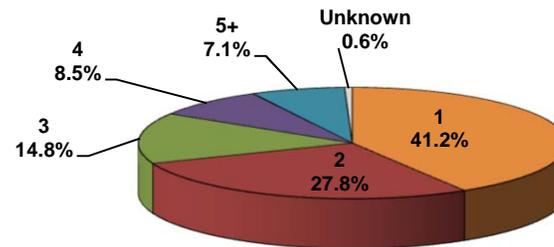
**Early Preterm Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2016**



Los Angeles County, 2016				
Parity	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	643	1.3	1.2	1.4
2	433	1.1	1.0	1.2
3	230	1.2	1.0	1.3
4	133	1.6	1.3	1.9
5+	111	2.1	1.7	2.4
Unknown	9	6.0	2.2	9.7
Total	1,559	1.3	1.2	1.3

Total Live Births
49,205
39,931
19,945
8,309
5,400
151
122,941

**Distribution of Early Preterm Live Births
by Parity
Los Angeles County, 2016**

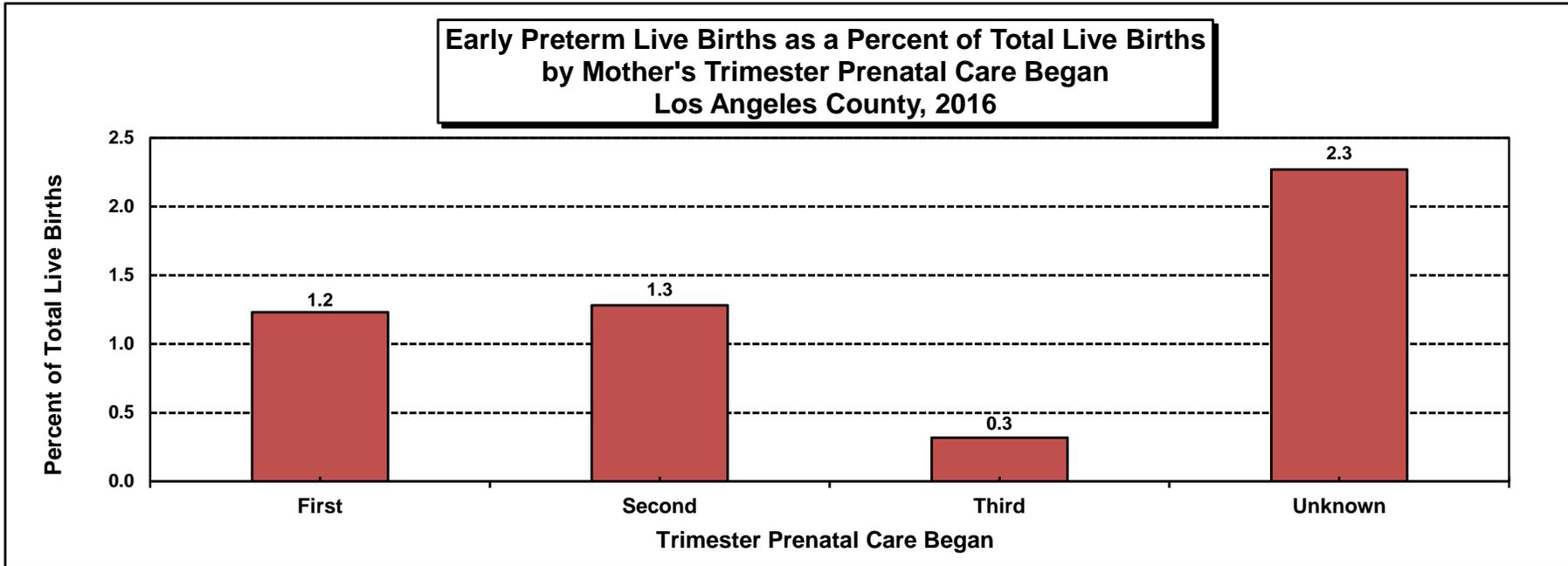


Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation. Gestation calculated based on obstetrical estimate.

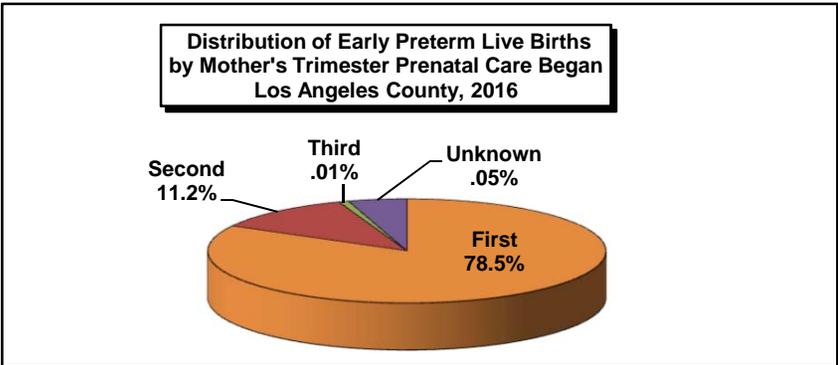
"Parity" is defined as the number of pregnancies resulting in live births to a woman.

Source: California Department of Public Health, Birth Statistical Master File, 2016.



Los Angeles County, 2016				
Mother's Trimester Prenatal Care Began	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
First	1,255	1.2	1.2	1.3
Second	174	1.3	1.1	1.5
Third	12	0.3	0.1	0.5
Unknown	72	2.3	1.8	2.8
Total	1,513	1.3	1.2	1.3

Total Live Births
101,858
13,575
3,758
3,173
122,364



Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

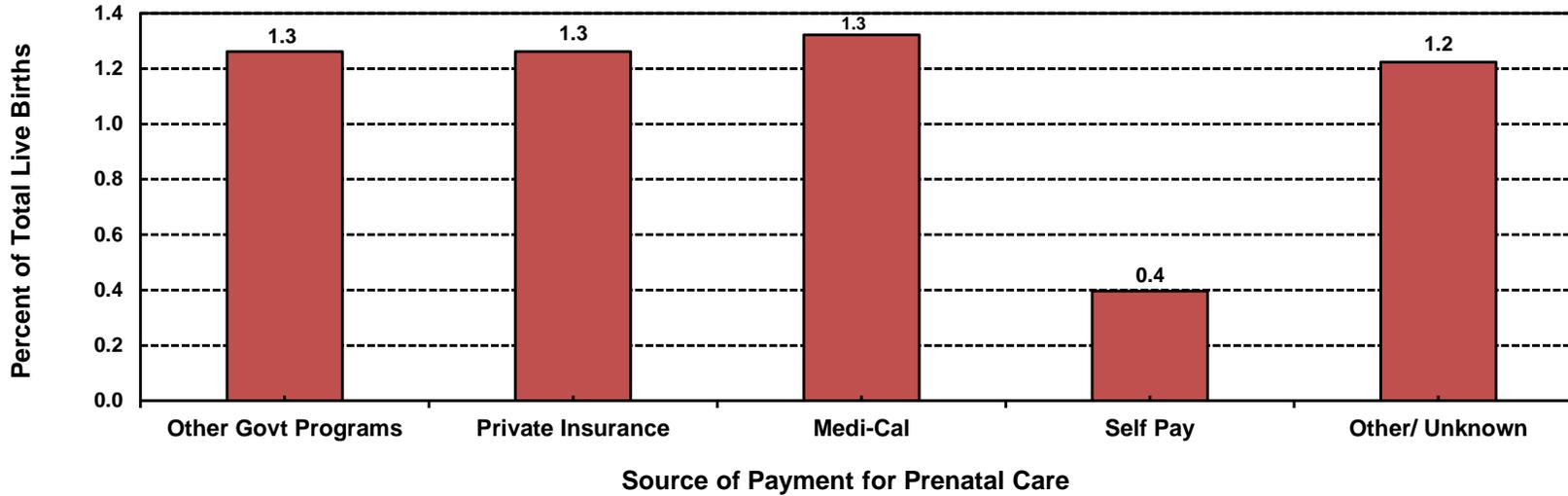
Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.

"Trimester Prenatal Care (PNC) Began" excludes women who did not receive prenatal care (n=577) and the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Gestation calculated based on obstetrical estimate.

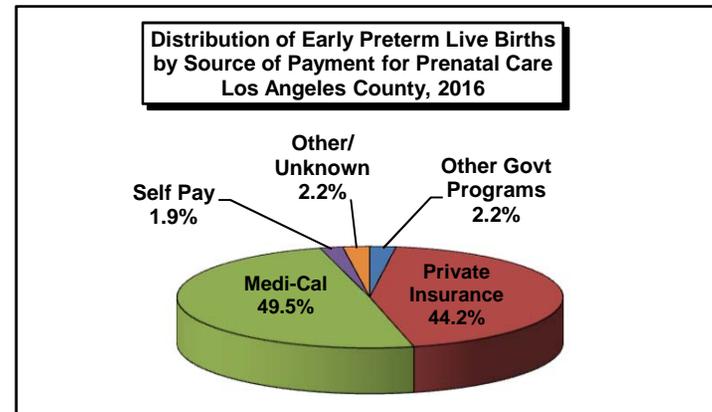
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Early Preterm Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2016**



Los Angeles County, 2016				
Source of Payment for Prenatal Care	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
Other Govt Programs	33	1.3	0.8	1.7
Private Insurance	668	1.3	1.2	1.4
Medi-Cal	749	1.3	1.2	1.4
Self Pay	29	0.4	0.3	0.5
Other/ Unknown	34	1.2	0.8	1.6
Total	1,513	1.3	1.2	1.3

Total Live Births
2,616
52,971
56,687
7,311
2,779
122,364



Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

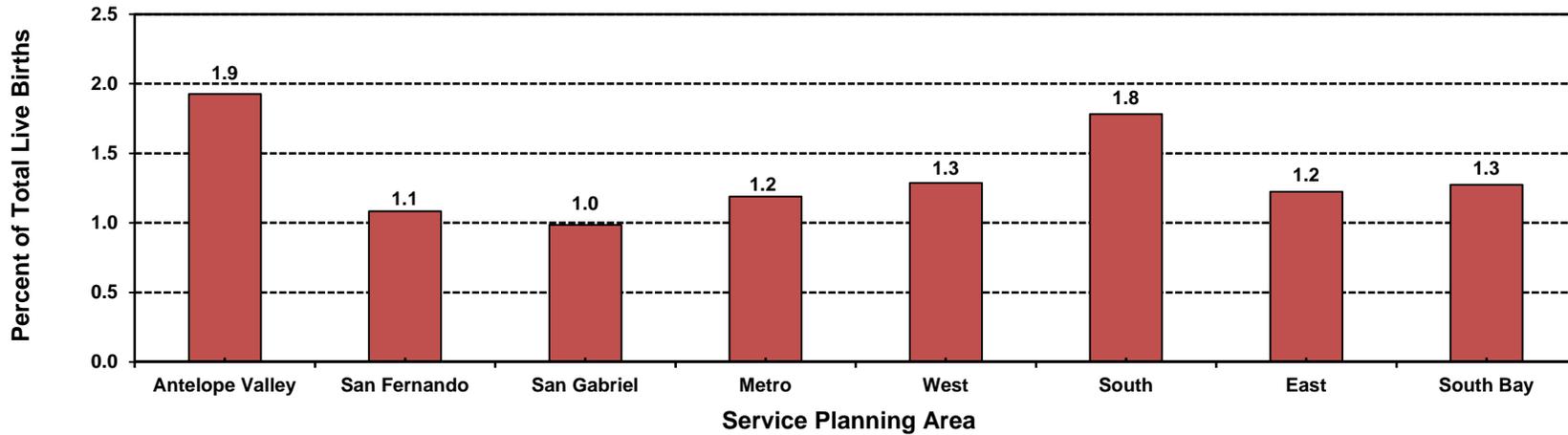
Notes: Gestation calculated based on obstetrical estimate.

"Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.

"Source of Payment for Prenatal Care (PNC)" excludes women who did not receive prenatal care (n=577) and the prenatal care experiences of all women whose pregnancies did not result in a live birth.

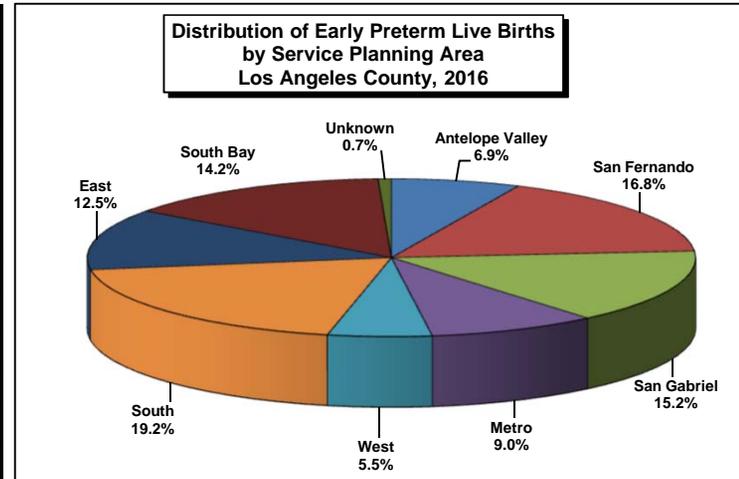
Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Early Preterm Births as a Percent of Total Live Births
by Service Planning Area
Los Angeles County, 2016**



Los Angeles County, 2016				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	107	1.9	1.6	2.3
San Fernando	262	1.1	1.0	1.2
San Gabriel	237	1.0	0.9	1.1
Metro	140	1.2	1.0	1.4
West	86	1.3	1.0	1.6
South	299	1.8	1.6	2.0
East	195	1.2	1.1	1.4
South Bay	222	1.3	1.1	1.4
Unknown	11	2.0	0.8	3.1
Total	1,559	1.3	1.2	1.3

Total Live Births
5,555
24,165
24,048
11,789
6,678
16,786
15,941
17,420
559
122,941



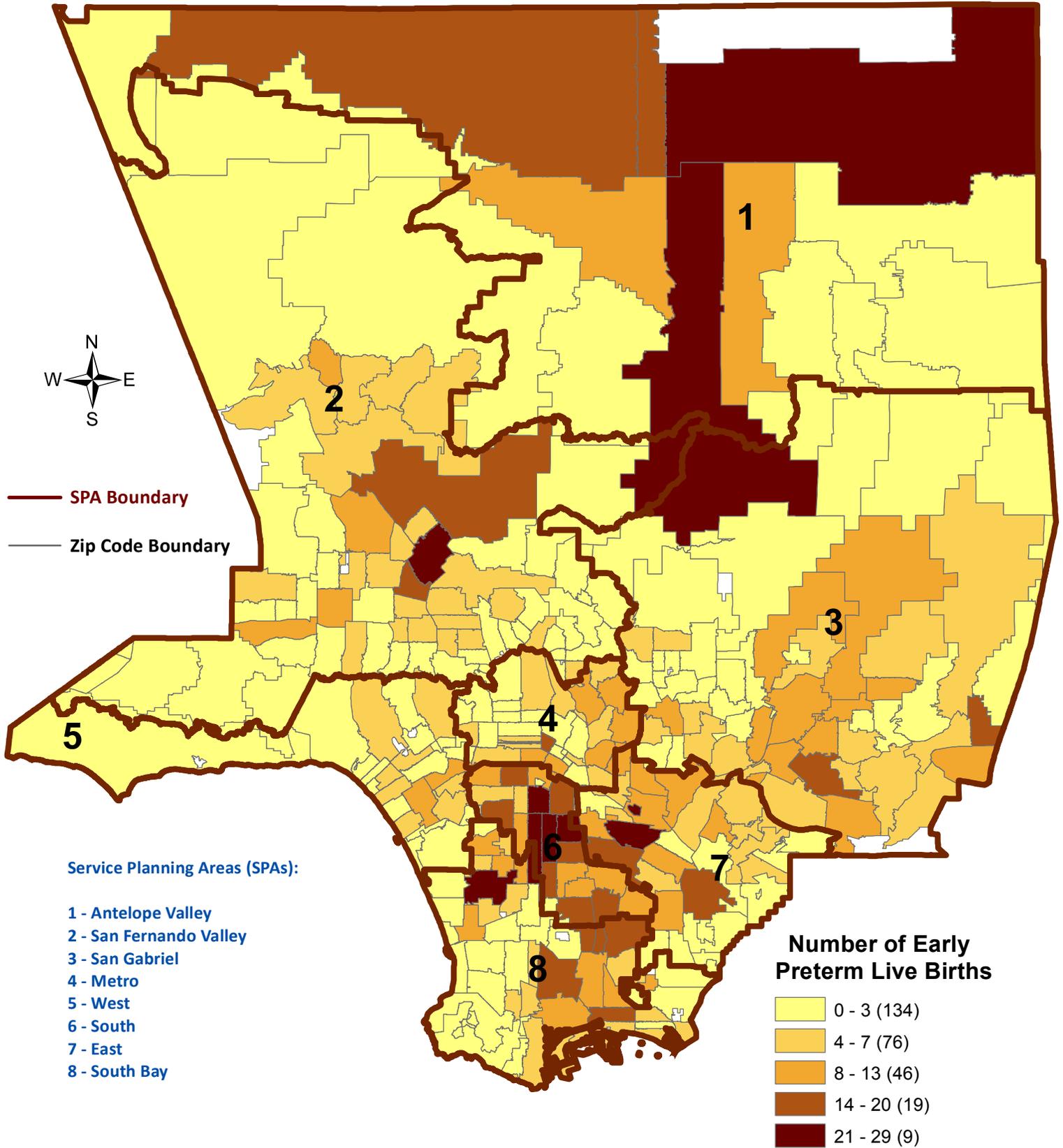
Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.5 percent of live births.

Note: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.

Gestation calculated based on obstetrical estimate.

Source: California Department of Public Health, Birth Statistical Master File, 2016.

**Los Angeles County - Department of Public Health
 Number of Early Preterm Live Births by Zip Code* and Service Planning Area (SPA)
 Los Angeles County, 2016**



*Los Angeles County zip code boundaries as of 2010

Total number of live births in Los Angeles County, 2016 = 122,941

Total number of early preterm live births in Los Angeles County, 2016 = 1,559

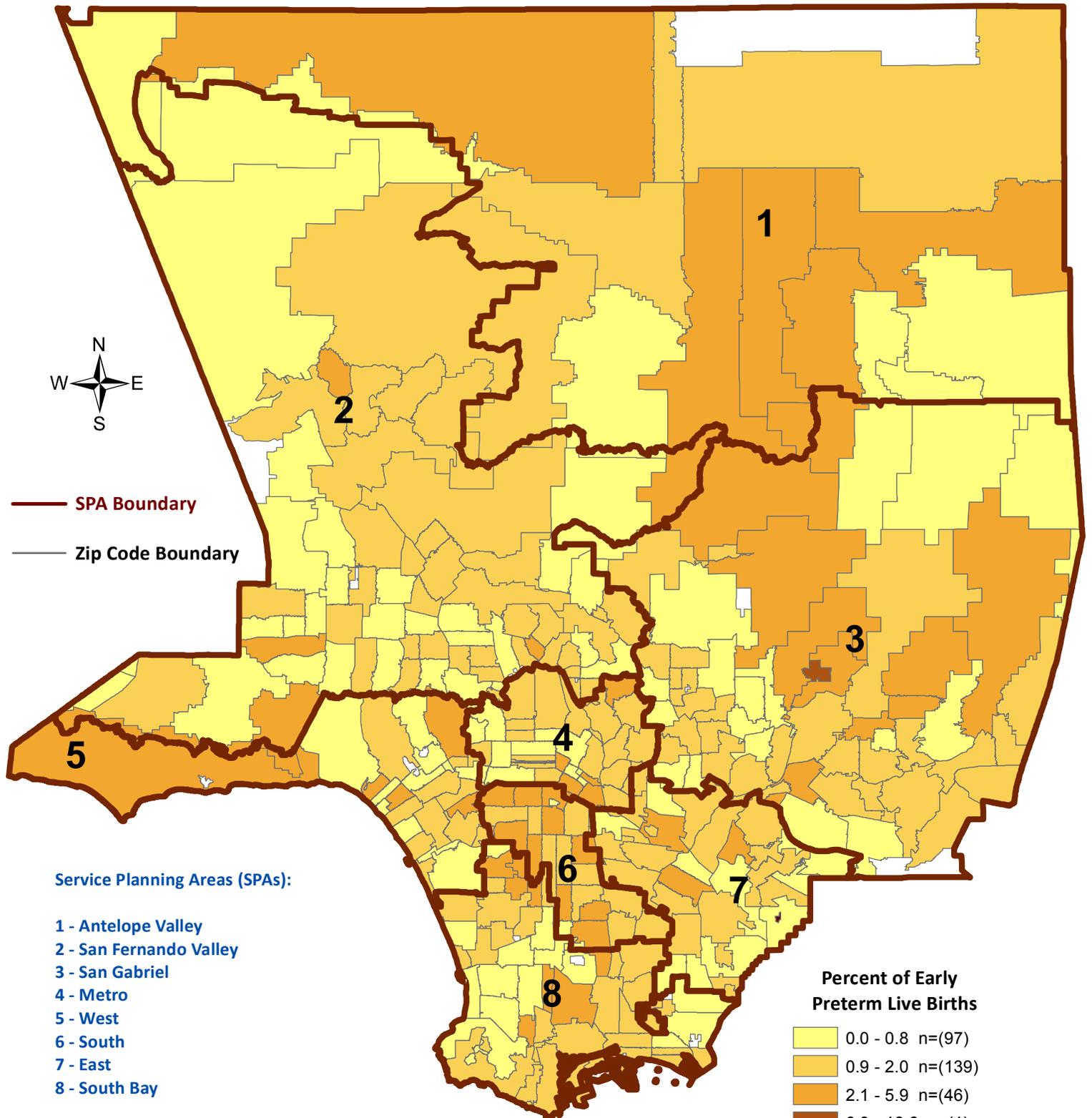
Note: Early preterm live births is defined as live births occurring at less than 32 weeks of gestation and greater than or equal to 17 weeks.

Zip code 90704 (Catalina Island) is not included. Total number of early preterm live births in 90704, 2016 = < 5.

Source: California Department of Public Health, Birth Statistical Master File, 2016

n = total number of zip codes within range

**Los Angeles County - Department of Public Health
Percent of Early Preterm Live Births by Zip Code* and Service Planning Area (SPA)
Los Angeles County, 2016**



*Los Angeles County zip code boundaries as of 2010
 Total number of live births in Los Angeles County, 2016 = 122,941
 Total number of early preterm live births in Los Angeles County, 2016 = 1,559
 Percent of early preterm live births per 100 live births in Los Angeles County, 2016 = 1.3
 Year 2020 Objective: Reduce early preterm live births to an incidence of no more than 1.8 percent of live births.
 Note: Early preterm live births is defined as live births occurring at greater than 32 weeks and less than or equal to 17 weeks of gestation per 100 live births.
 Zip code 90704 (Catalina Island) is not included. Percent of early preterm live births in 90704, 2016 = < 5.
 Source: California Department of Public Health, Birth Statistical Master File, 2016