

Low Birth Weight

FHOP INDICATOR TEMPLATE

INDICATOR: Percent of Low Birth Weight

DEFINITION: The percent of live births weighing less than 2,500 grams

NUMERATOR: The number of live births weighing less than 2,500 grams, 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 low birth weight births to an incidence of no more than 7.8 percent of live births.
(Baseline: 8.2 percent in 2007) (Objective MICH-8.1)

HEALTHY PEOPLE 2030 OBJECTIVE:

This objective is not included in the list of Healthy People 2030 objectives.

RISK FACTORS:

Young or old maternal age; low income; low maternal education level; race/ethnicity (African American, Puerto Rican, Southeast Asian); high parity; short interpregnancy level; multiple gestation; unintended pregnancy; history of low birthweight; poor reproductive history; intrauterine growth retardation; preterm birth; prior preterm birth; late entry into prenatal care; lack of comprehensive prenatal care; low pregnancy weight; tobacco use during pregnancy; alcohol/substance abuse during pregnancy; low pregnancy weight gain; placenta previa; premature rupture of the membrane; stress during pregnancy; strenuous exertion during pregnancy

Year	California				Los Angeles County			
	Low Birth Weight		95% Confidence Interval		Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2010	34,692	6.8	6.7	6.9	9,721	7.3	7.2	7.4
2011	34,017	6.8	6.7	6.8	9,257	7.1	7.0	7.2
2012	33,723	6.7	6.6	6.8	9,151	6.9	6.8	7.1
2013	33,798	6.8	6.8	6.9	9,058	7.0	6.9	7.2
2014	33,586	6.7	6.6	6.7	9,013	6.9	6.8	7.1
2015	33,666	6.8	6.8	6.9	9,100	7.3	7.2	7.5
2016	33,476	6.8	6.8	6.9	8,783	7.1	7.0	7.3
2017	32,451	6.9	6.8	7.0	8,508	7.3	7.1	7.4
2018	31,745	7.0	6.9	7.1	8,079	7.4	7.2	7.5
2019	31,699	7.1	7.0	7.2	7,900	7.4	7.2	7.5

Denominator: Live Births		
Year	California	LA County
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	128,526
2014	502,879	130,150
2015	491,748	124,507
2016	488,827	122,941
2017	471,658	116,850
2018	454,920	109,863
2019	446,479	107,202

Source:

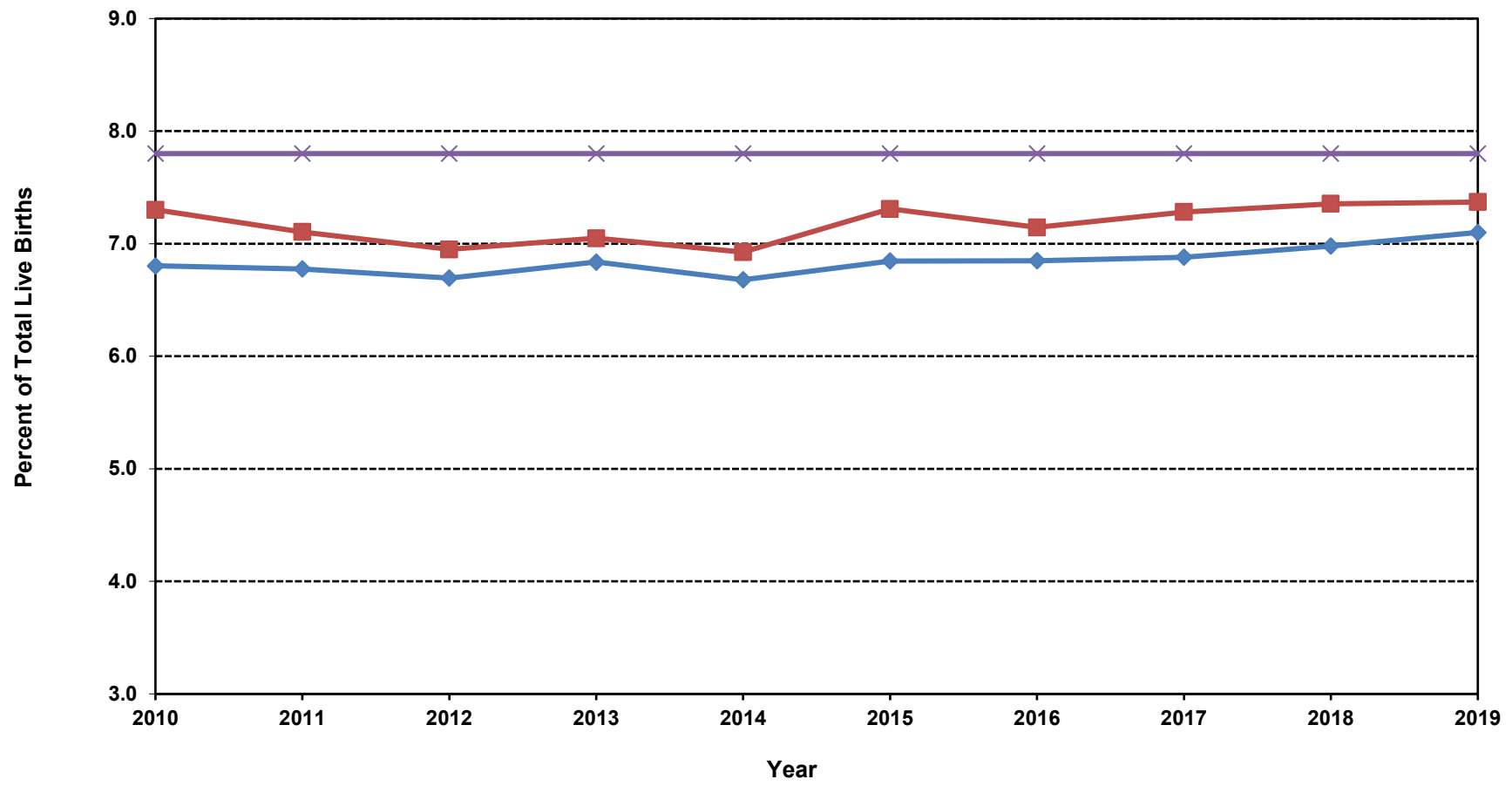
California Integrated Vital Record System 2018-2019

California Department of Public Health, Birth Statistical Master Files, 2010-2017

Centers for Disease Control and Prevention, National Vital Statistics Reports, natality public use data 2010-2019

**Low Birth Weight Live Births as a Percent of Total Live Births
California vs. Los Angeles County, 2010-2019**

California Los Angeles County Healthy People 2020



Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

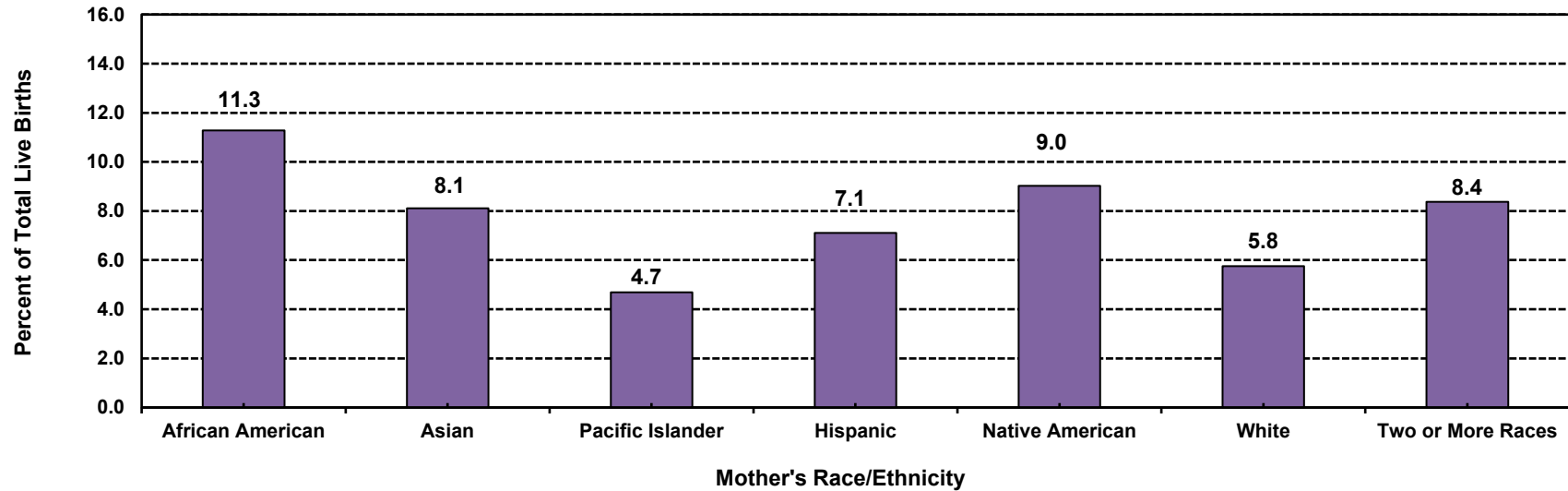
Source:

California Integrated Vital Record System 2018-2019

California Department of Public Health, Birth Statistical Master Files, 2010-2017

Centers for Disease Control and Prevention, National Vital Statistics Reports, natality public use data 2010-2019

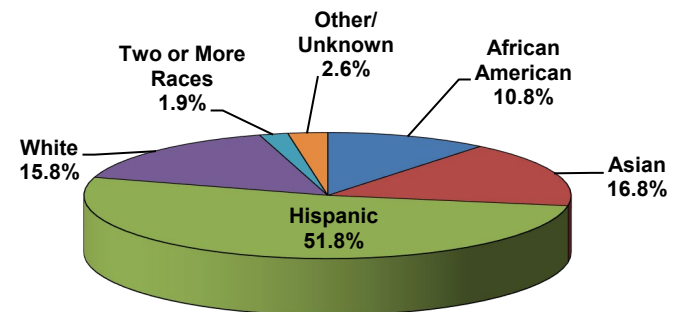
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2019**



Los Angeles County, 2019				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	850	11.3	10.6	12.0
Asian	1,327	8.1	7.7	8.5
Pacific Islander	12	4.7	2.1	7.3
Hispanic	4,094	7.1	6.9	7.3
Native American	12	9.0	4.2	13.9
White	1,249	5.8	5.5	6.1
Two or More Races	149	8.4	7.1	9.7
Other/ Unknown	207	10.9	9.5	12.3
Total	7,900	7.4	7.2	7.5

Total Live Births
7,539
16,359
256
57,561
133
21,679
1,779
1,896
107,202

**Distribution of Low Birth Weight Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2019**

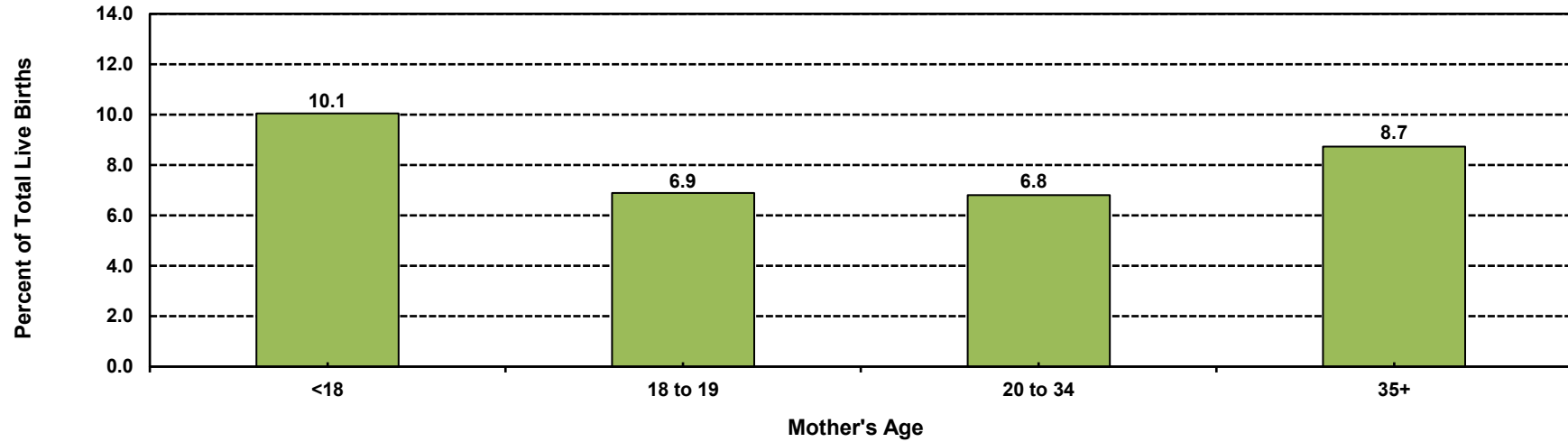


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

Source: California Integrated Vital Record System 2019

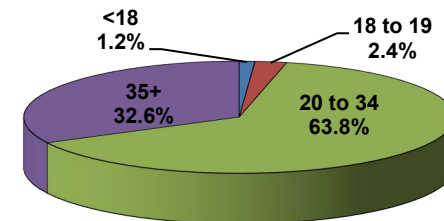
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2019**



Los Angeles County, 2019				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	93	10.1	8.1	12.0
18 to 19	188	6.9	5.9	7.8
20 to 34	5,044	6.8	6.6	7.0
35+	2,573	8.7	8.4	9.1
Total	7,900	7.4	7.2	7.5

Total Live Births
925
2,729
74,087
29,447
107,202

**Distribution of Low Birth Weight Live Births
by Mother's Age
Los Angeles County, 2019**



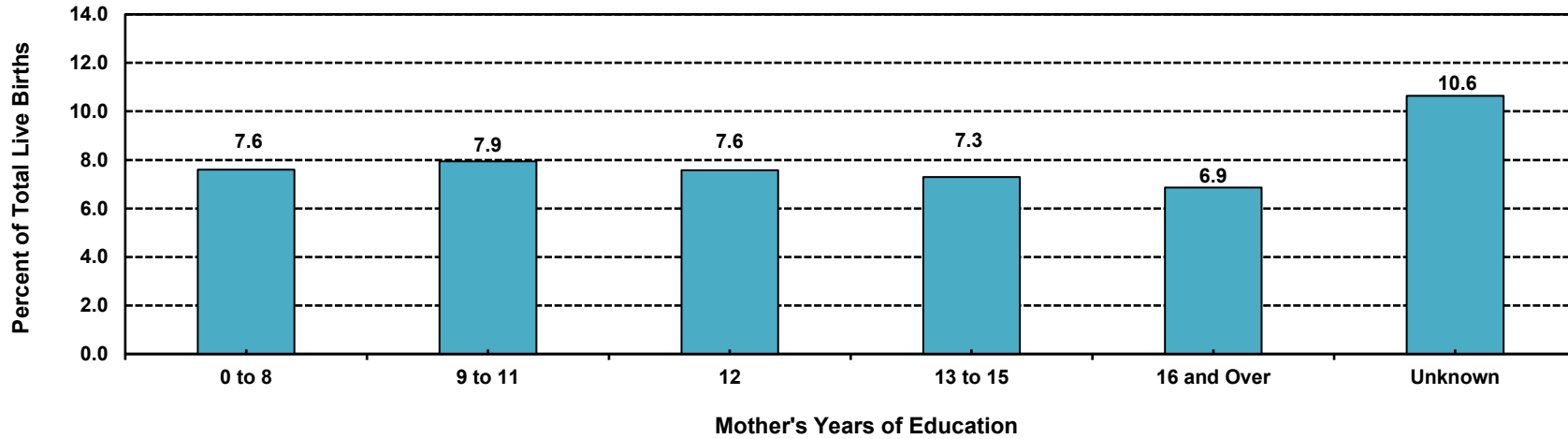
Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

"Unknown" category is excluded.

Source: California Integrated Vital Record System 2019

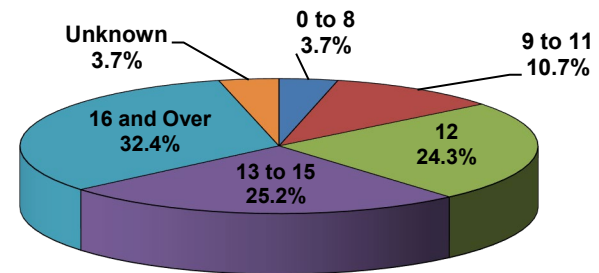
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2019**



Los Angeles County, 2019				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	289	7.6	6.8	8.4
9 to 11	845	7.9	7.4	8.5
12	1,916	7.6	7.2	7.9
13 to 15	1,992	7.3	7.0	7.6
16 and Over	2,562	6.9	6.6	7.1
Unknown	296	10.6	9.5	11.8
Total	7,900	7.4	7.2	7.5

Total Live Births
3,805
10,643
25,296
27,332
37,346
2,780
107,202

**Distribution of Low Birth Weight Live Births
by Mother's Years of Education
Los Angeles County, 2019**

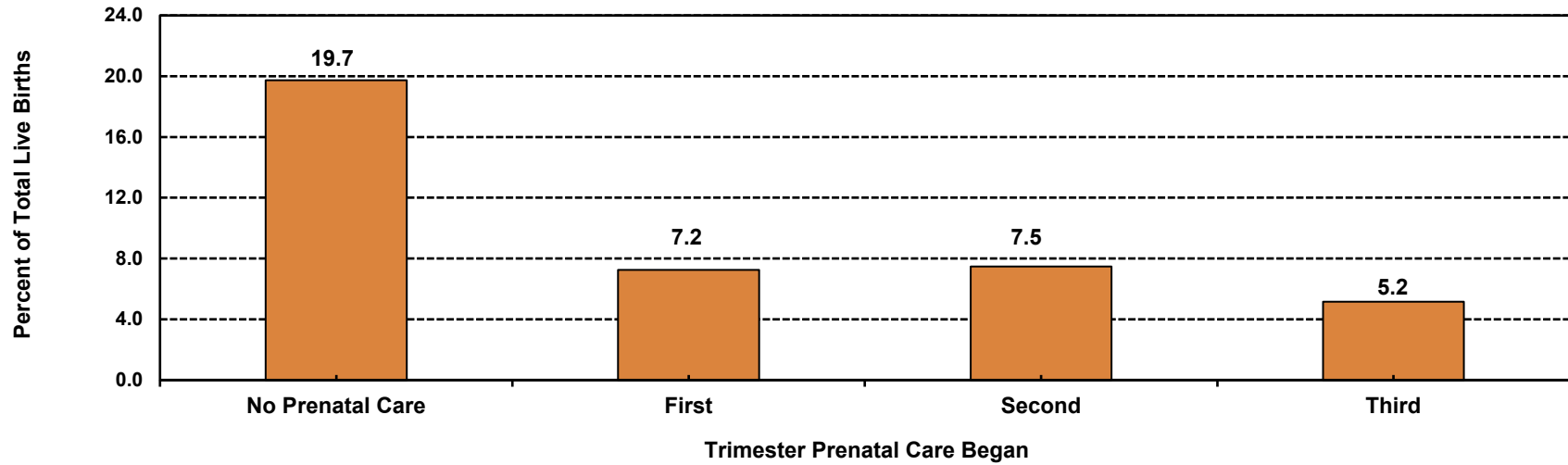


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

Source: California Integrated Vital Record System 2019

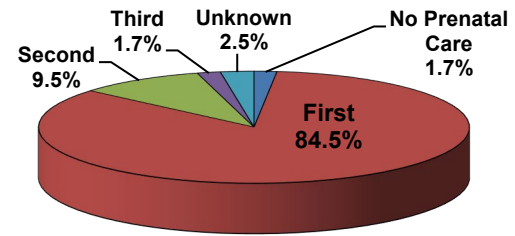
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2019**



Los Angeles County, 2019				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	135	19.7	16.8	22.7
First	6,679	7.2	7.1	7.4
Second	750	7.5	7.0	8.0
Third	138	5.2	4.3	6.0
Unknown	198	12.5	10.9	14.2
Total	7,900	7.4	7.2	7.5

Total Live Births
684
92,238
10,028
2,674
1,578
107,202

**Distribution of Low Birth Weight Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2019**

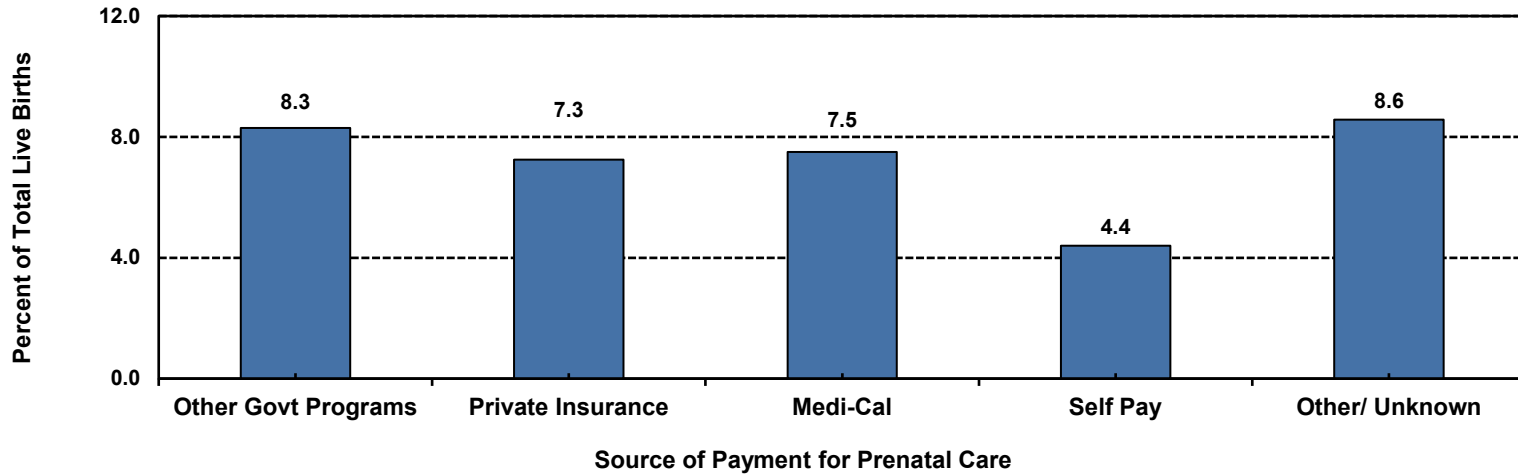


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

Source: California Integrated Vital Record System 2019

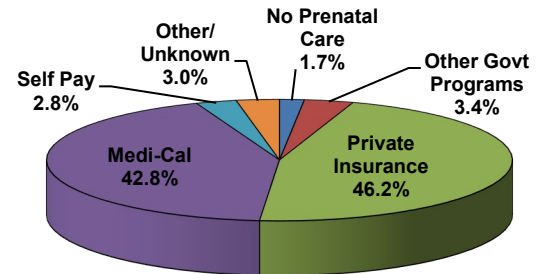
**Low Birth Weight Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2019**



Los Angeles County, 2019				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	135	19.7	16.8	22.7
Other Govt Programs	270	8.3	7.3	9.2
Private Insurance	3,653	7.3	7.0	7.5
Medi-Cal	3,383	7.5	7.3	7.7
Self Pay	223	4.4	3.8	5.0
Other/ Unknown	236	8.6	7.5	9.6
Total	7,900	7.4	7.2	7.5

Total Live Births
684
3,254
50,369
45,076
5,065
2,754
107,202

**Distribution of Low Birth Weight Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2019**

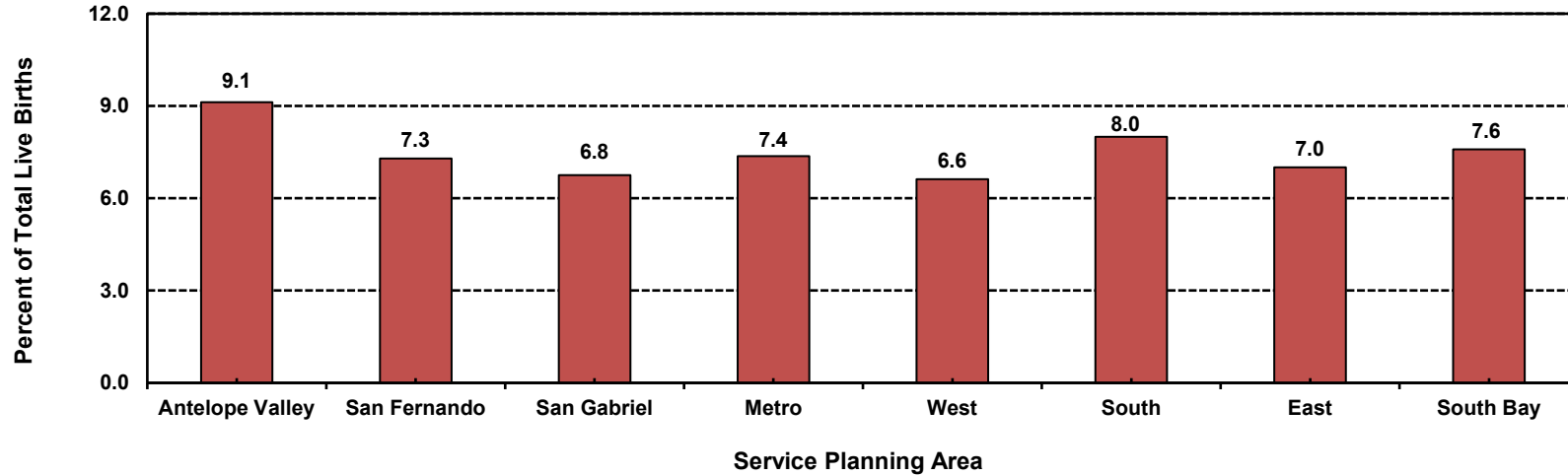


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

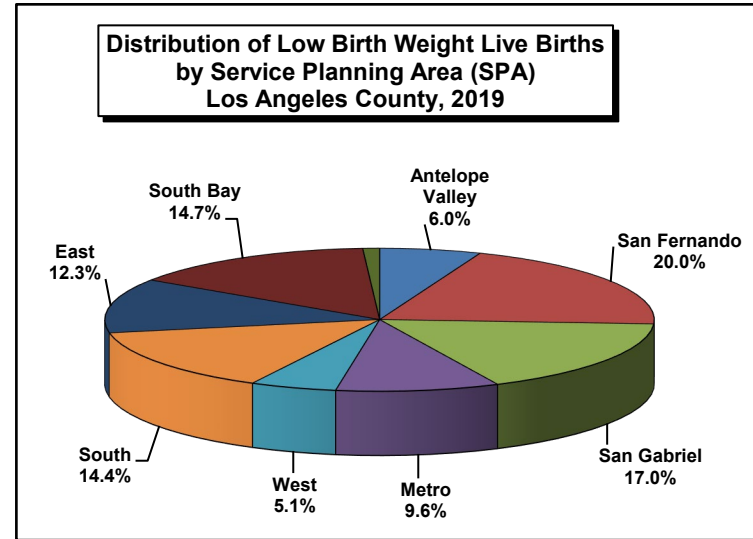
Source: California Integrated Vital Record System 2019

**Low Birth Weight Live Births as a Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2019**



Los Angeles County, 2019				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	472	9.1	8.3	9.9
San Fernando	1,580	7.3	6.9	7.6
San Gabriel	1,341	6.8	6.4	7.1
Metro	759	7.4	6.9	7.9
West	401	6.6	6.0	7.2
South	1,135	8.0	7.6	8.4
East	974	7.0	6.6	7.4
South Bay	1,160	7.6	7.2	8.0
Unknown	78	10.2	8.1	12.4
Total	7,900	7.4	7.2	7.5

Total Live Births
5,172
21,679
19,862
10,297
6,057
14,185
13,910
15,276
764
107,202



Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

Source: California Integrated Vital Record System 2019

Very Low Birth Weight

Very Low Birth Weight

INDICATOR: Percent of Very Low Birthweight

DEFINITION: The percent of live births weighing less than 1,500 grams

NUMERATOR: The number of live births weighing less than 1,500 grams, 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 very low birth weight births to an incidence of no more than 1.4 percent of live births.
(Baseline: 1.5 percent in 2007) (Objective MICH-8.2)

HEALTHY PEOPLE 2030 OBJECTIVE:

This objective is not included in the list of Healthy People 2030 objectives.

RISK FACTORS:

Preterm birth, prior preterm birth; race/ethnicity (African American, Puerto Rican); substance use/abuse (e.g. illicit drug use)

See also risk factors for low birth weight

Year	California				Los Angeles County			
	Very Low Birth Weight		95% Confidence Interval		Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2010	5,859	1.1	1.1	1.2	1,679	1.3	1.2	1.3
2011	5,782	1.2	1.1	1.2	1,587	1.2	1.2	1.3
2012	5,689	1.1	1.1	1.2	1,532	1.2	1.1	1.2
2013	5,579	1.1	1.1	1.2	1,528	1.2	1.1	1.2
2014	5,727	1.1	1.1	1.2	1,539	1.2	1.1	1.2
2015	5,527	1.1	1.1	1.2	1,489	1.2	1.1	1.3
2016	5,384	1.1	1.1	1.1	1,430	1.2	1.1	1.2
2017	5,191	1.1	1.1	1.1	1,366	1.2	1.1	1.2
2018	5,039	1.1	1.1	1.1	1,305	1.2	1.1	1.3
2019	5,019	1.1	1.1	1.2	1,291	1.2	1.1	1.3

Denominator: Live Births		
Year	California	LA County
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	128,526
2014	502,973	130,150
2015	491,748	124,507
2016	488,827	122,941
2017	471,658	116,850
2018	454,920	109,893
2019	446,479	107,202

Sources:

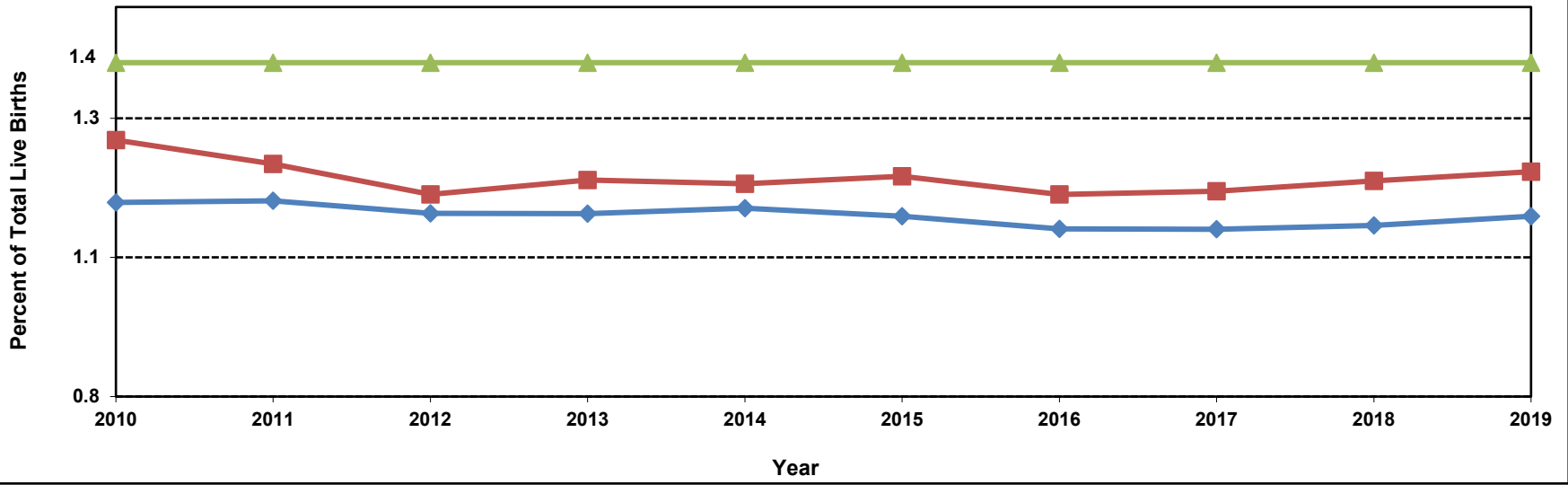
California Integrated Vital Record System 2018-2019

California Department of Public Health, Birth Statistical Master File, 2010-2017

Centers for Disease Control and Prevention, Division of Vital Statistics, Natality public-use data 2016-2020, on CDC WONDER Online Database, January 2022

Very Low Birth Weight Live Births as a Percent of Total Live Births California vs. Los Angeles County, 2010-2019

■ Los Angeles County
 ◆ California
 ▲ Healthy People 2020



Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

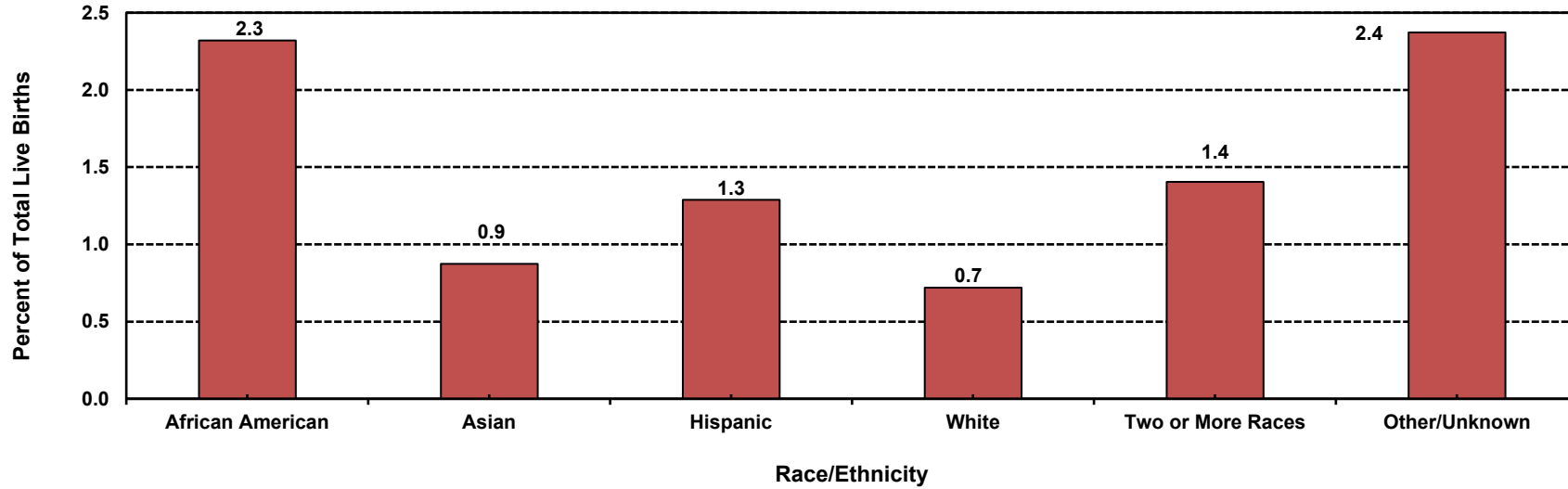
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California Integrated Vital Record System 2018-2019

California Department of Public Health, Birth Statistical Master File, 2010-2017

Centers for Disease Control and Prevention, Division of Vital Statistics, Natality public-use data 2016-2020, on CDC WONDER Online Database, January 2022

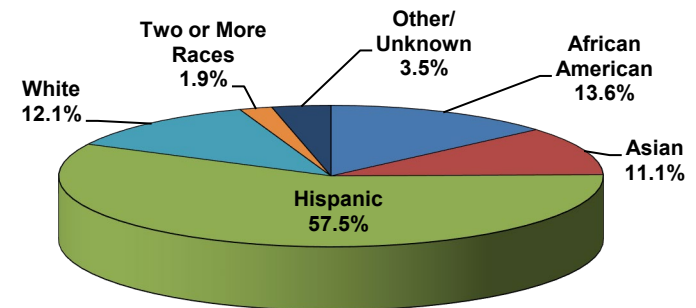
**Very Low Birth Weight Live Births as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2019**



Los Angeles County, 2019				
Mother's Race/Ethnicity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	175	2.3	2.0	2.7
Asian	143	0.9	0.7	1.0
Hispanic	742	1.3	1.2	1.4
Native American	<5	N/C	N/C	N/C
White	156	0.7	0.6	0.8
Two or More Races	25	1.4	0.9	2.0
Other/Unknown	45	2.4	1.7	3.1
Pacific Islander	<5	N/C	N/C	N/C
Total	1,291	1.2	1.1	1.3

Total Live Births
7,539
16,359
57,561
133
21,679
1,779
1,896
256
107,202

**Distribution of Very Low Birth Weight Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2019**



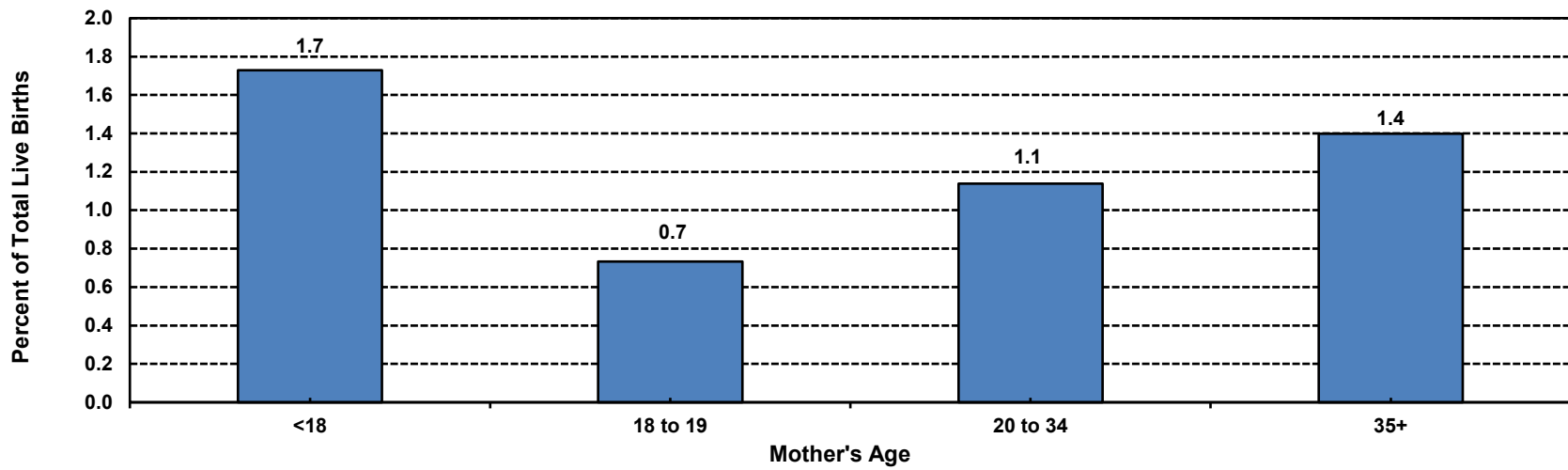
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

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

Source: California Integrated Vital Record System 2019

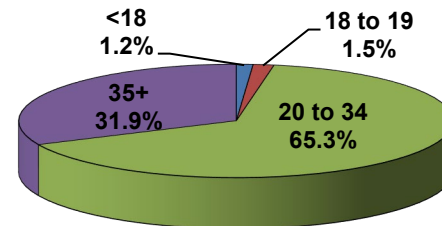
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2019**



Los Angeles County, 2018				
Mother's Age	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	16	1.7	0.9	2.6
18 to 19	20	0.7	0.4	1.1
20 to 34	843	1.1	1.1	1.2
35+	412	1.4	1.3	1.5
Other/Unknown	<5	N/C	N/C	N/C
Total	1,291	1.2	1.1	1.3

Total Live Births
925
2,729
74,087
29,447
14
107,202

**Distribution of Very Low Birth Weight Live Births
by Mother's Age
Los Angeles County, 2019**



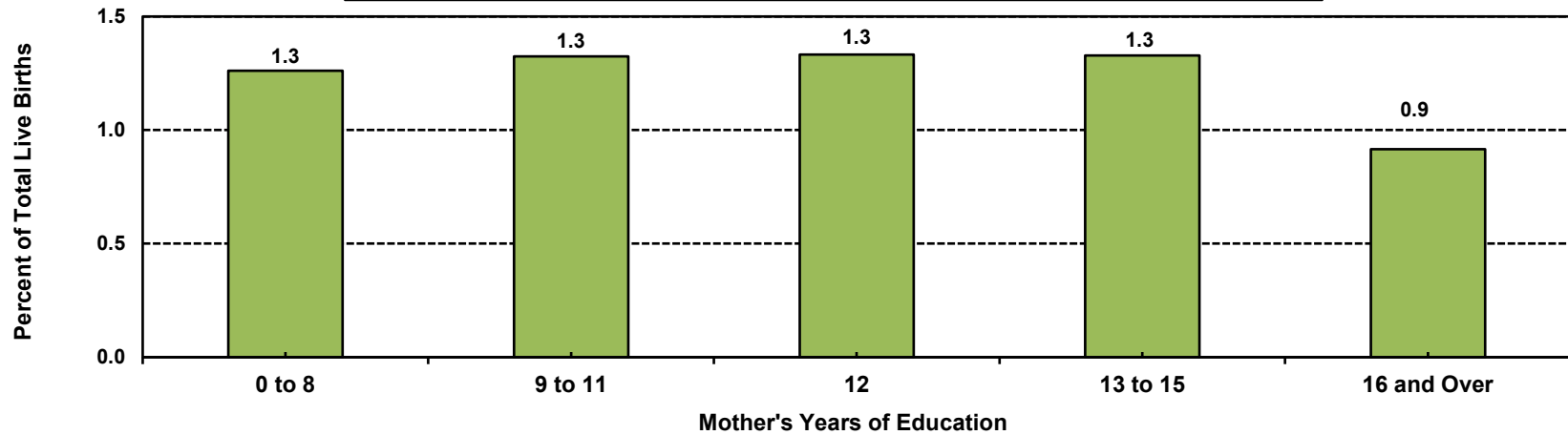
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

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

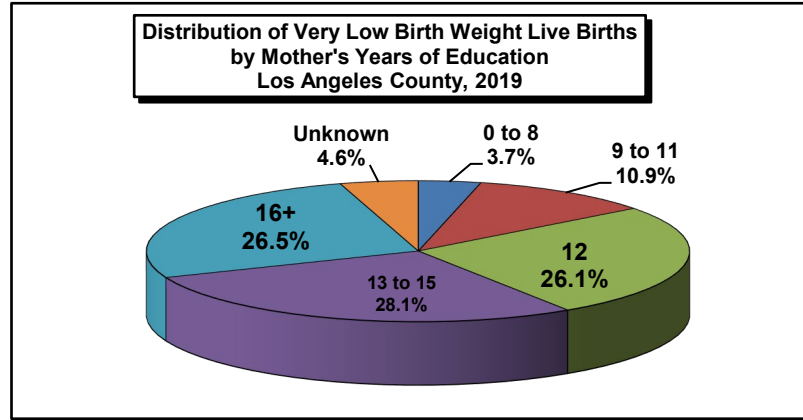
Source: California Integrated Vital Record System 2019

**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2019**



Los Angeles County, 2019				
Mother's Years of Education	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	48	1.3	0.9	1.6
9 to 11	141	1.3	1.1	1.5
12	337	1.3	1.2	1.5
13 to 15	363	1.3	1.2	1.5
16 and Over	342	0.9	0.8	1.0
Unknown	60	2.2	1.6	2.7
Total	1,291	1.2	1.1	1.3

Total Live Births
3,805
10,643
25,296
27,332
37,346
2,780
107,202

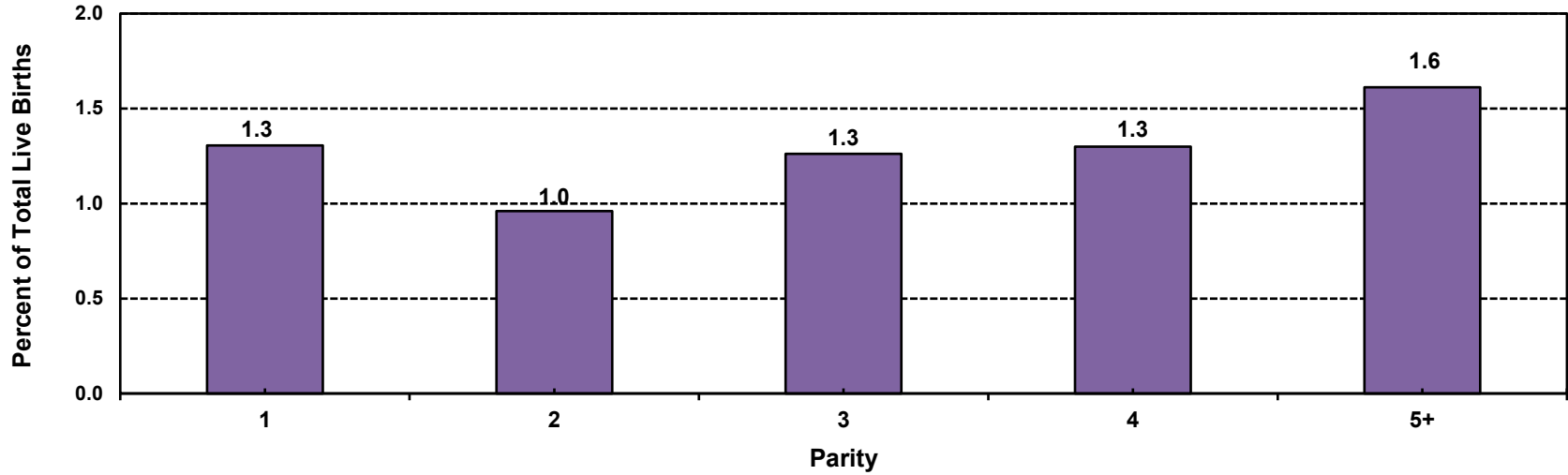


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Notes: Very low birth weight is defined as weight less than 1,500 grams at birth.

Source: California Integrated Vital Record System 2019

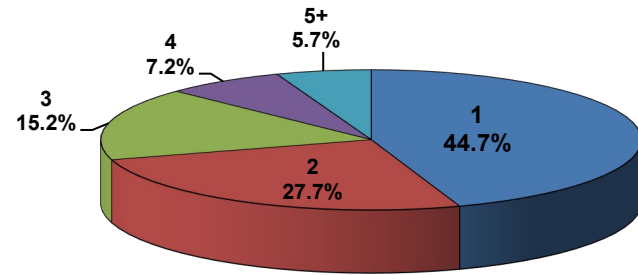
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2019**



Los Angeles County, 2019				
Parity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	575	1.3	1.2	1.4
2	330	1.0	0.9	1.1
3	216	1.3	1.1	1.4
4	92	1.3	1.0	1.6
5+	73	1.6	1.2	2.0
Unknown	5	6.8	1.1	12.6
Total	1,291	1.2	1.1	1.3

Total Live Births
44,045
34,355
17,122
7,080
4,527
73
107,202

**Distribution of Very Low Birth Weight Live Births
by Parity
Los Angeles County, 2019**



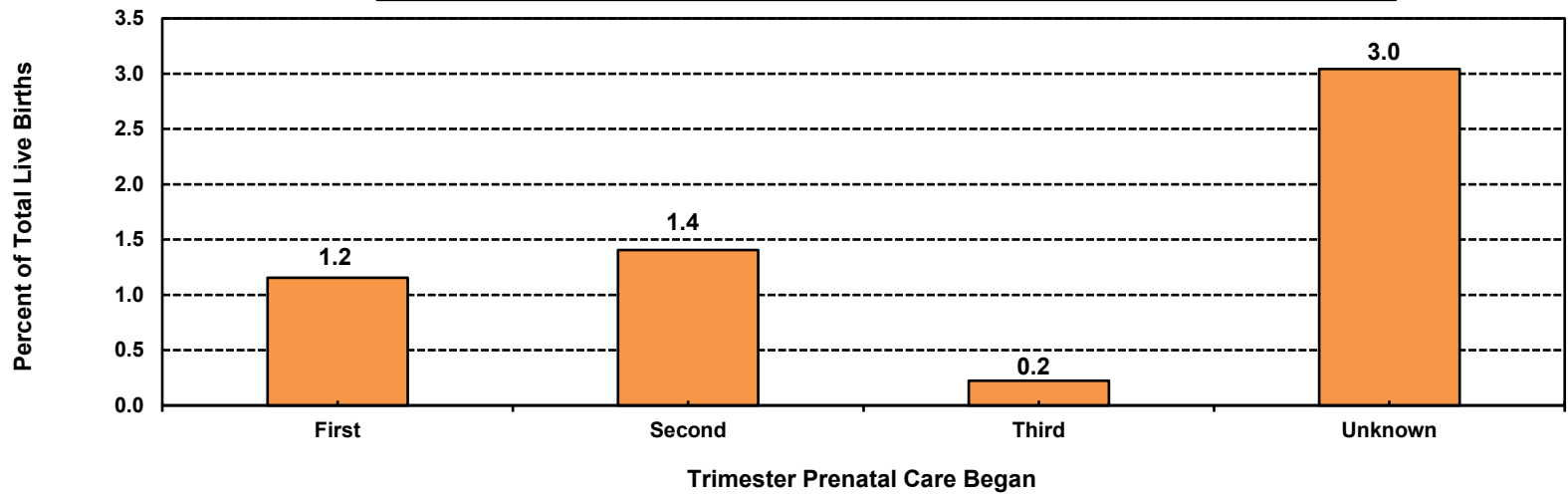
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

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

Source: California Integrated Vital Record System 2019

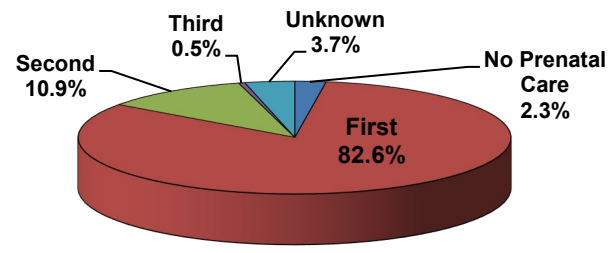
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2019**



Los Angeles County, 2019				
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	30	4.4	2.9	5.9
First	1,066	1.2	1.1	1.2
Second	141	1.4	1.2	1.6
Third	6	0.2	0.0	0.4
Unknown	48	3.0	2.2	3.9
Total	1,291	1.2	1.1	1.3

Total Live Births
684
92,238
10,028
2,674
1,578
107,202

**Distribution of Very Low Birth Weight Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2019**

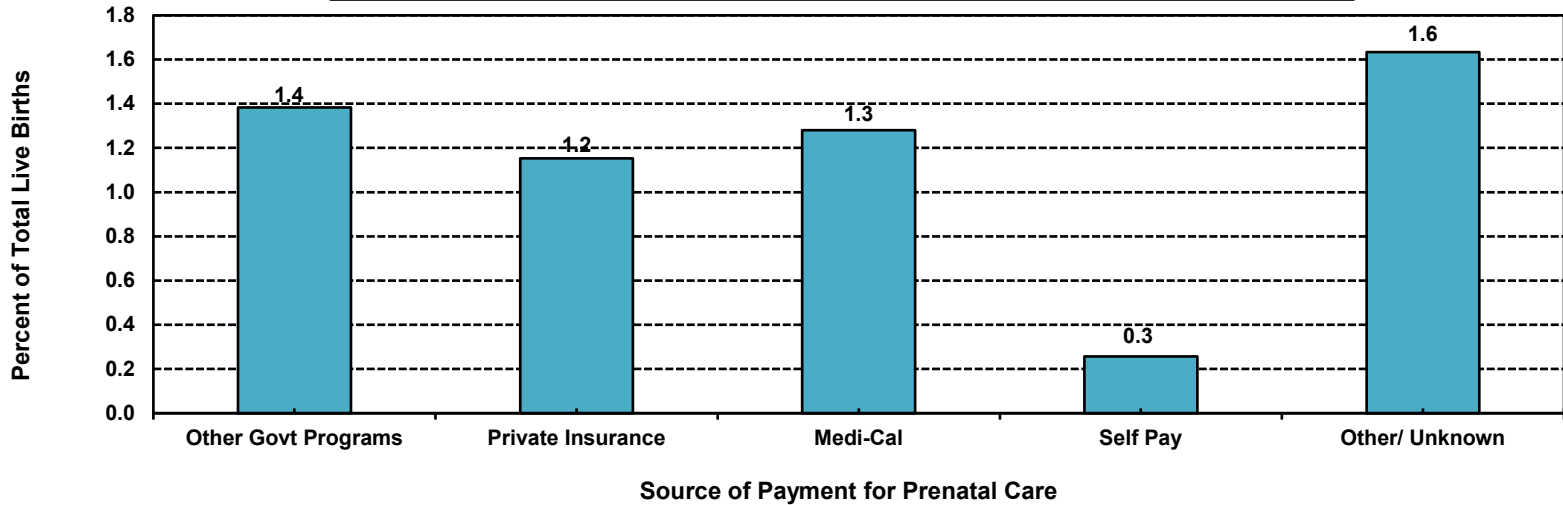


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

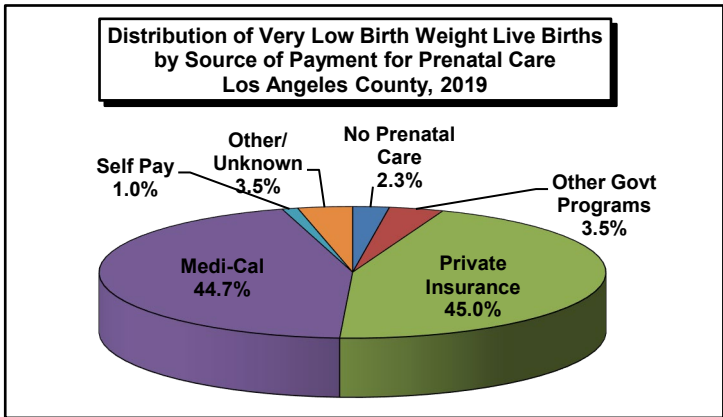
Source: California Integrated Vital Record System 2019

**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2019**



Los Angeles County, 2019				
Source of Payment for Prenatal Care	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	30	4.4	2.9	5.9
Other Govt Programs	45	1.4	1.0	1.8
Private Insurance	581	1.2	1.1	1.2
Medi-Cal	577	1.3	1.2	1.4
Self Pay	13	0.3	0.1	0.4
Other/ Unknown	45	1.6	1.2	2.1
Total	1,291	1.2	1.1	1.3

Total Live Births
684
3,254
50,369
45,076
5,065
2,754
107,202

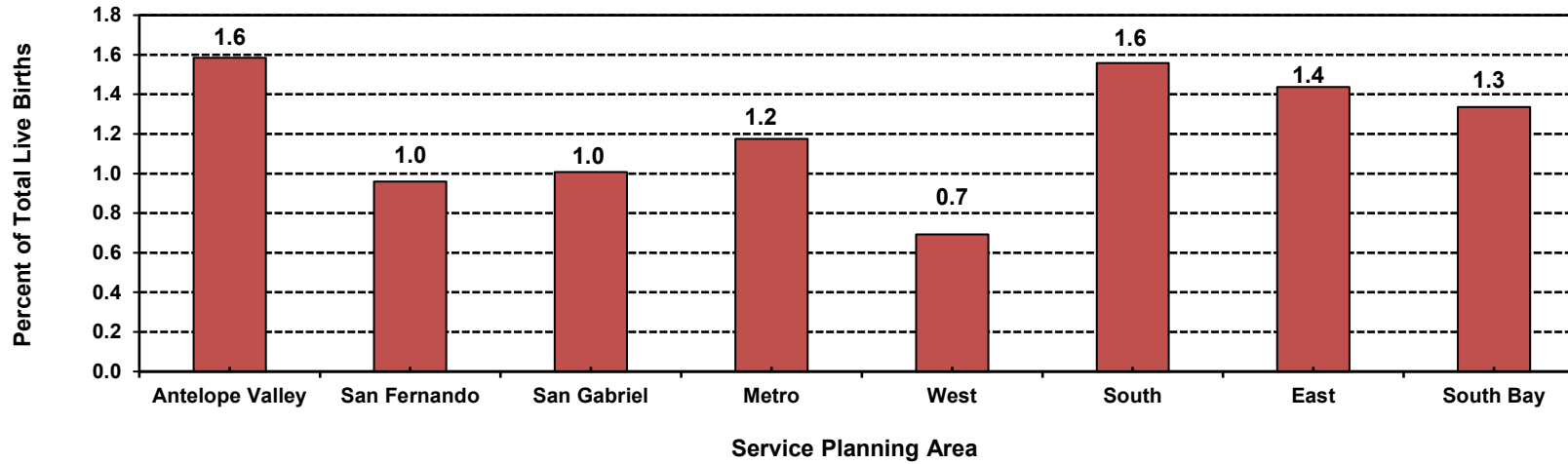


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

Source: California Integrated Vital Record System 2019

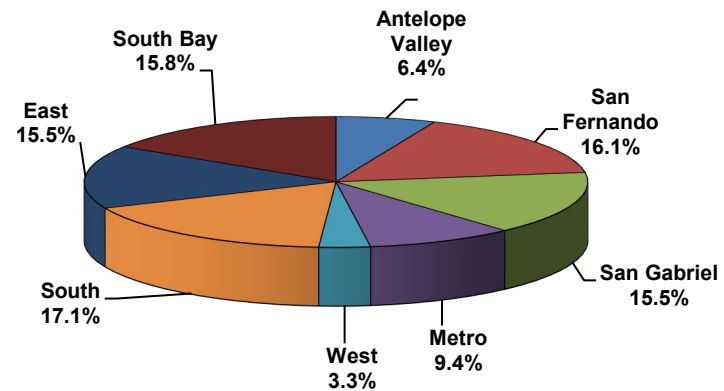
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2019**



Los Angeles County, 2019				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	82	1.6	1.2	1.9
San Fernando	208	1.0	0.8	1.1
San Gabriel	200	1.0	0.9	1.1
Metro	121	1.2	1.0	1.4
West	42	0.7	0.5	0.9
South	221	1.6	1.4	1.8
East	200	1.4	1.2	1.6
South Bay	204	1.3	1.2	1.5
Unknown	13	1.7	0.8	2.6
Total	1,291	1.2	1.1	1.3

Total Live Births
5,172
21,679
19,862
10,297
6,057
14,185
13,910
15,276
764
107,202

**Distribution of Very Low Birth Weight Live Births
by Service Planning Area (SPA)
Los Angeles County, 2019**



Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

Source: California Integrated Vital Record System 2019