

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:

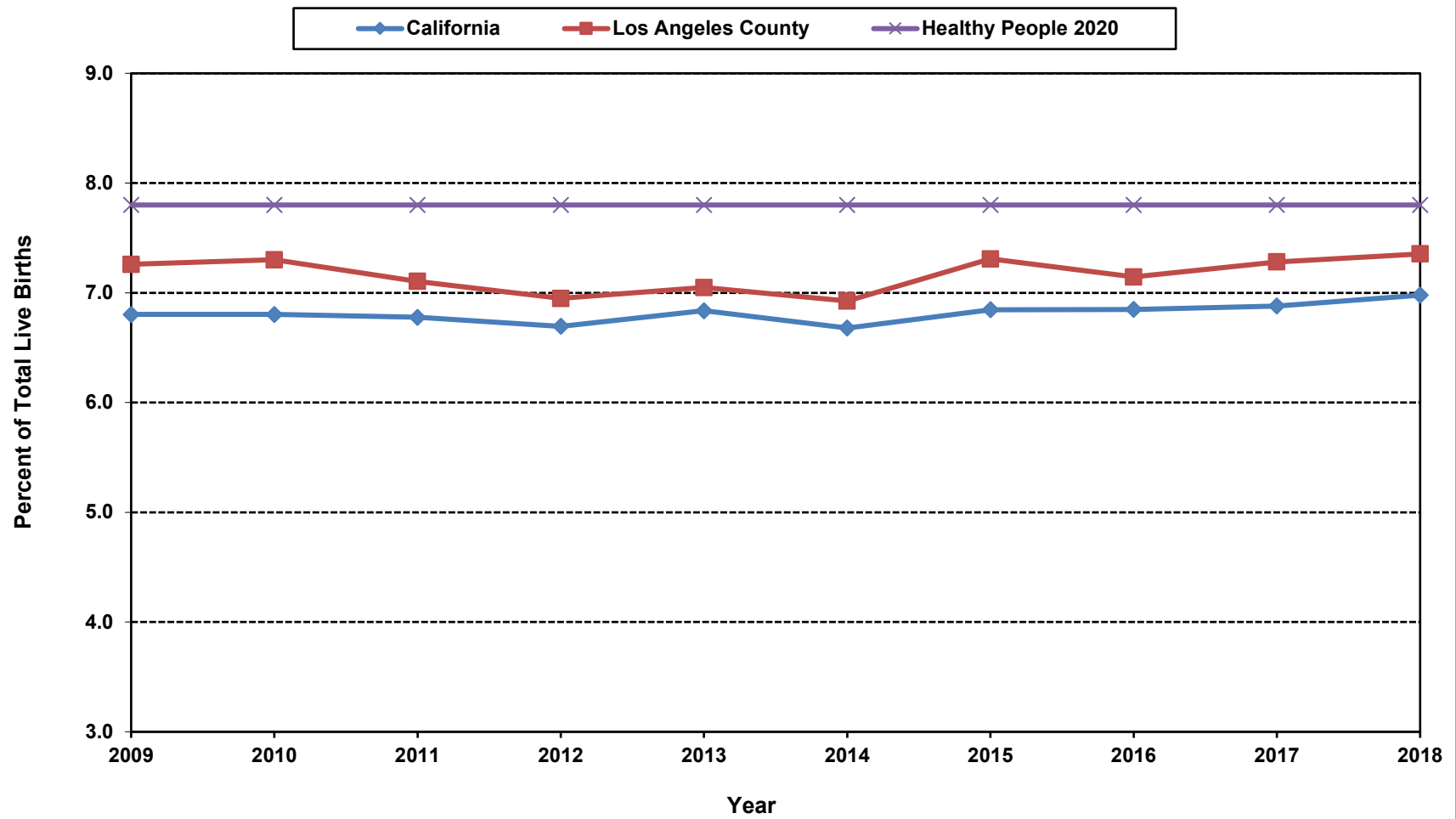
Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.
(Baseline: 8.2 percent in 2007) (Objective MICH-8.1)

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
2009	35,835	6.8	6.7	6.9	10,139	7.3	7.1	7.4
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

Denominator: Live Births		
Year	California	LA County
2009	526,774	139,679
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

Source: California Department of Public Health, Birth Statistical Master Files, 2008-2017
 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
 Centers for Disease Control and Prevention, National Vital Statistics Reports, natality public use data 2009-2018

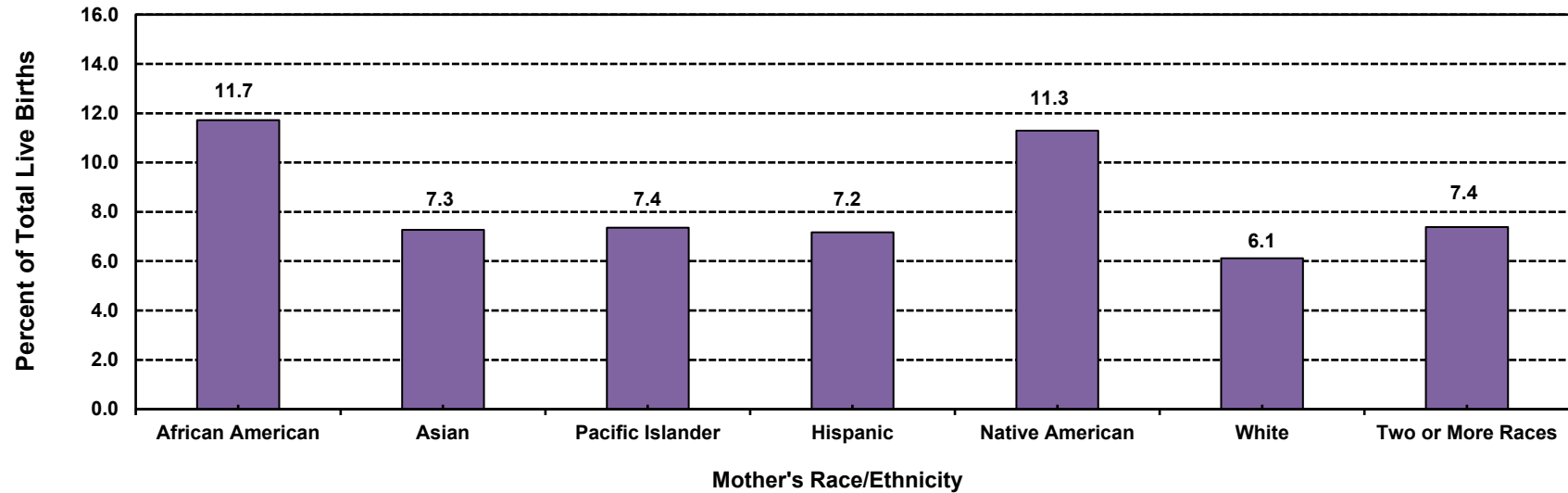
**Low Birth Weight Live Births as a Percent of Total Live Births
California vs. Los Angeles County, 2009-2018**



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

Source: California Department of Public Health, Birth Statistical Master Files, 2008-2017
 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
 Centers for Disease Control and Prevention, National Vital Statistics Reports, natality public use data 2009-2018

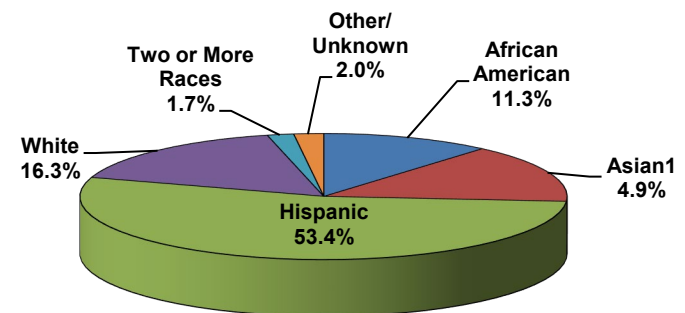
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2018**



Los Angeles County, 2018				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	910	11.7	11.0	12.4
Asian	1,203	7.3	6.9	7.7
Pacific Islander	19	7.4	4.2	10.6
Hispanic	4,313	7.2	7.0	7.4
Native American	14	11.3	5.7	16.9
White	1,320	6.1	5.8	6.4
Two or More Races	141	7.4	6.2	8.6
Other/ Unknown	159	10.0	8.5	11.4
Total	8,079	7.4	7.2	7.5

Total Live Births
7,761
16,532
258
60,133
124
21,581
1,908
1,596
109,893

**Distribution of Low Birth Weight Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2018**

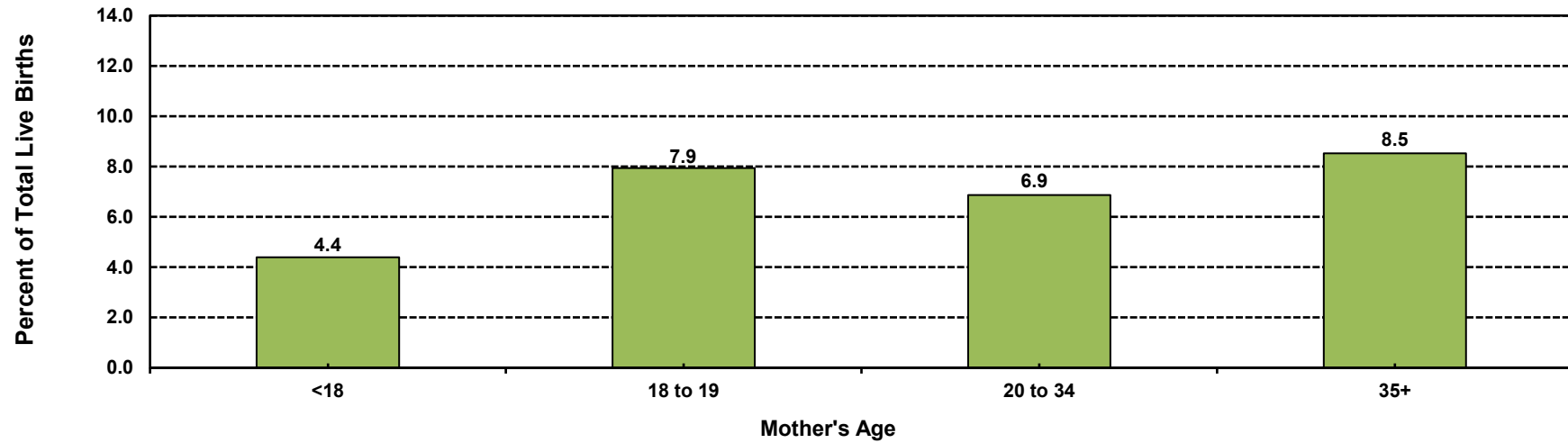


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

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

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

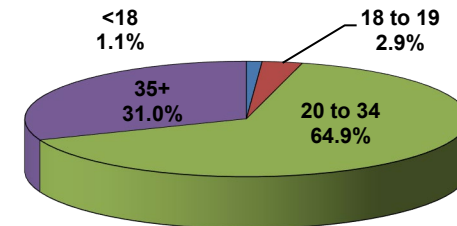
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2018**



Los Angeles County, 2018				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	92	4.4	3.5	5.3
18 to 19	237	7.9	7.0	8.9
20 to 34	5,247	6.9	6.7	7.0
35+	2,502	8.5	8.2	8.8
Total	8,079	7.3	7.1	7.4

Total Live Births
2,092
2,986
76,448
29,356
110,893

**Distribution of Low Birth Weight Live Births
by Mother's Age
Los Angeles County, 2018**



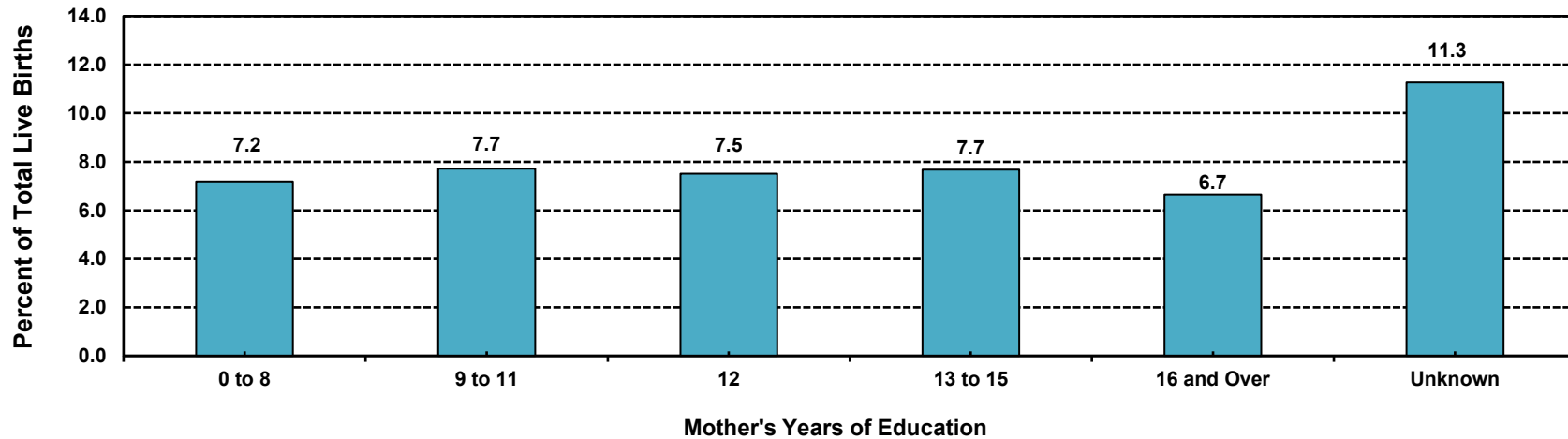
Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

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

"Unknown" category is excluded.

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

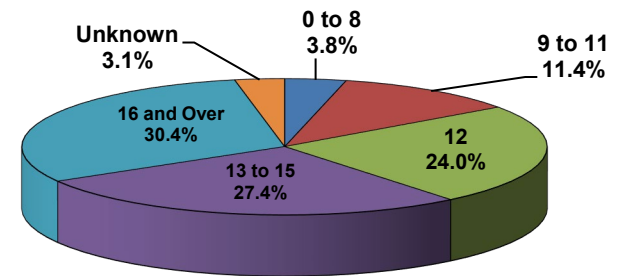
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2018**



Los Angeles County, 2018				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	305	7.2	6.4	8.0
9 to 11	919	7.7	7.2	8.2
12	1,938	7.5	7.2	7.8
13 to 15	2,213	7.7	7.4	8.0
16 and Over	2,457	6.7	6.4	6.9
Unknown	247	11.3	9.9	12.6
Total	8,079	7.4	7.2	7.5

Total Live Births
4,243
11,905
25,821
28,849
36,882
2,193
109,893

**Distribution of Low Birth Weight Live Births
by Mother's Years of Education
Los Angeles County, 2018**

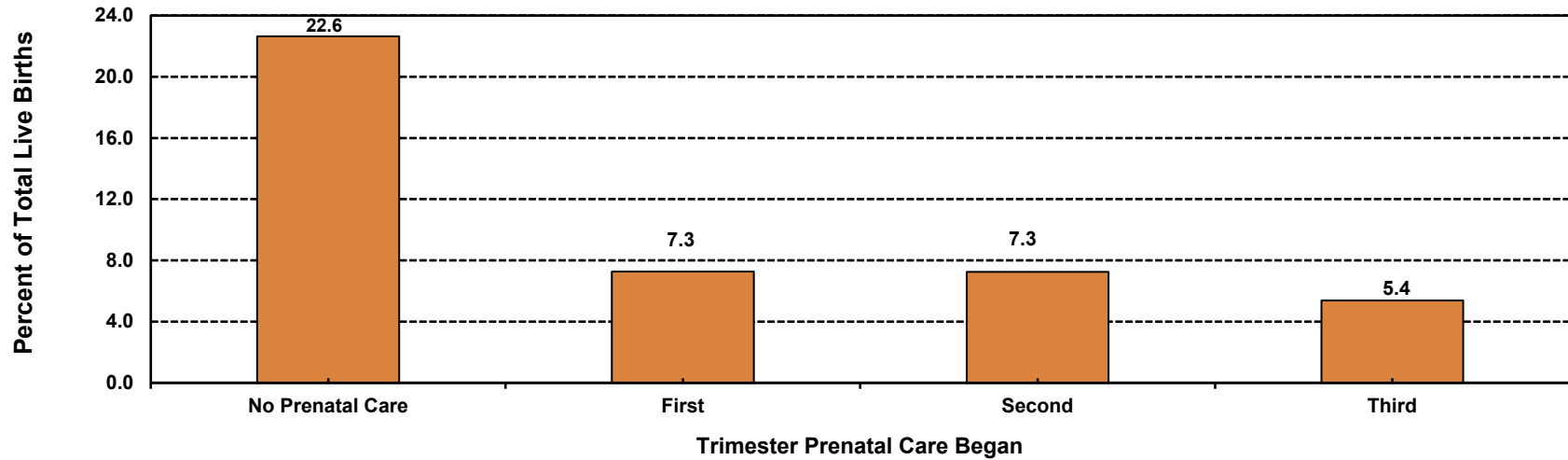


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

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

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

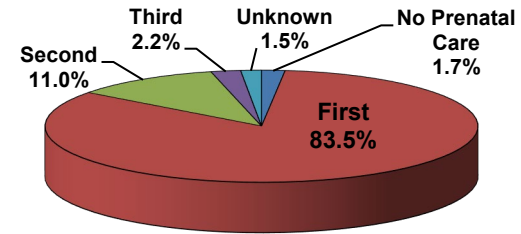
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2018**



Los Angeles County, 2018				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	141	22.6	19.3	25.9
First	6,744	7.3	7.1	7.4
Second	890	7.3	6.8	7.7
Third	179	5.4	4.6	6.2
Unknown	125	13.0	10.9	15.1
Total	8,079	7.4	7.2	7.5

Total Live Births
623
92,721
12,266
3,322
961
109,893

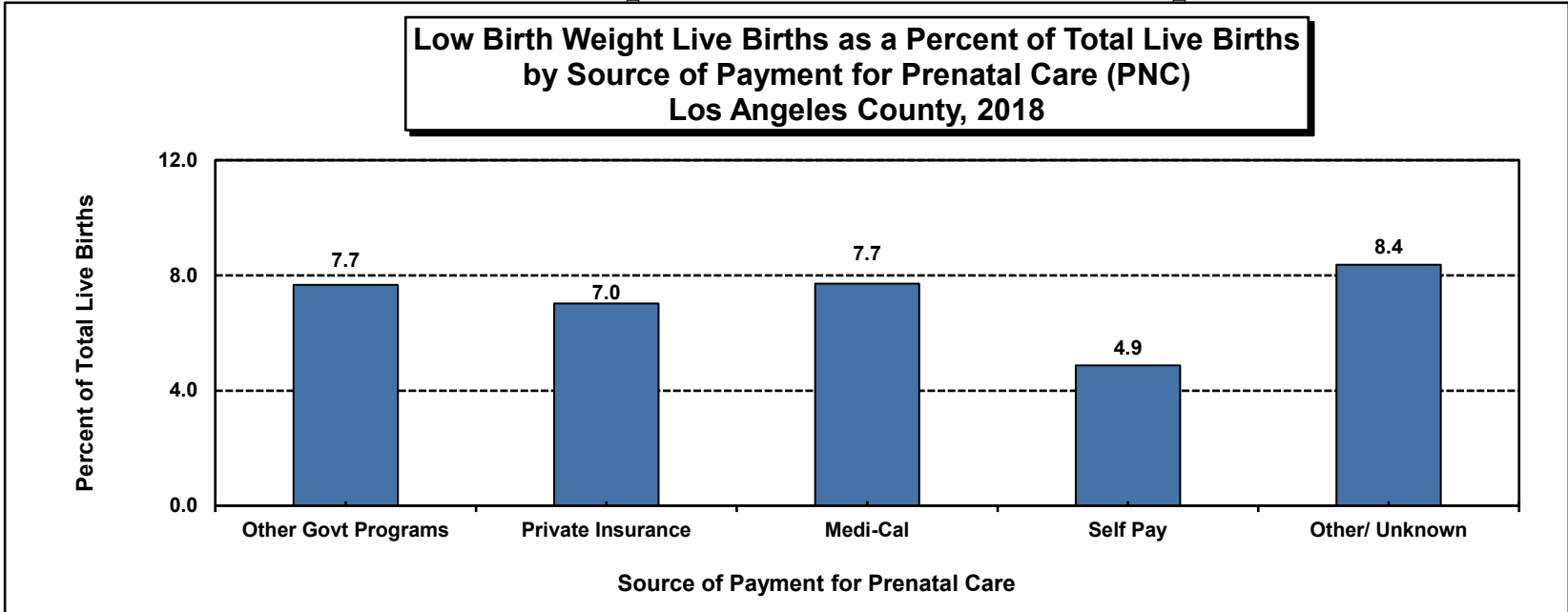
**Distribution of Low Birth Weight Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2018**



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

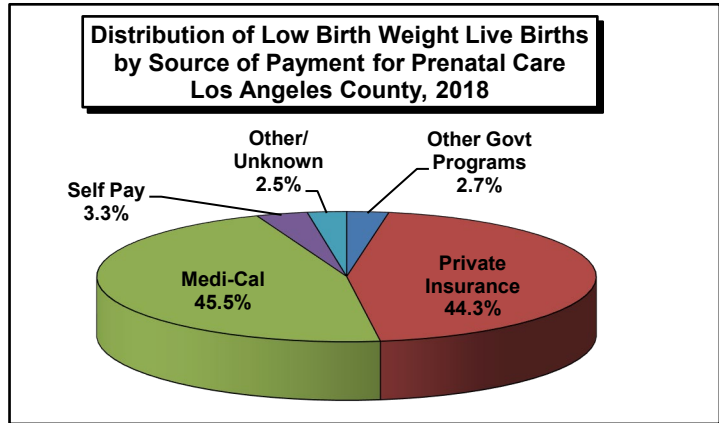
Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20



Los Angeles County, 2018				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	141	22.6	19.3	25.9
Other Govt Programs	215	7.7	6.7	8.7
Private Insurance	3,583	7.0	6.8	7.2
Medi-Cal	3,675	7.7	7.5	7.9
Self Pay	264	4.9	4.3	5.5
Other/ Unknown	201	8.4	7.3	9.5
Total	8,079	7.4	7.2	7.5

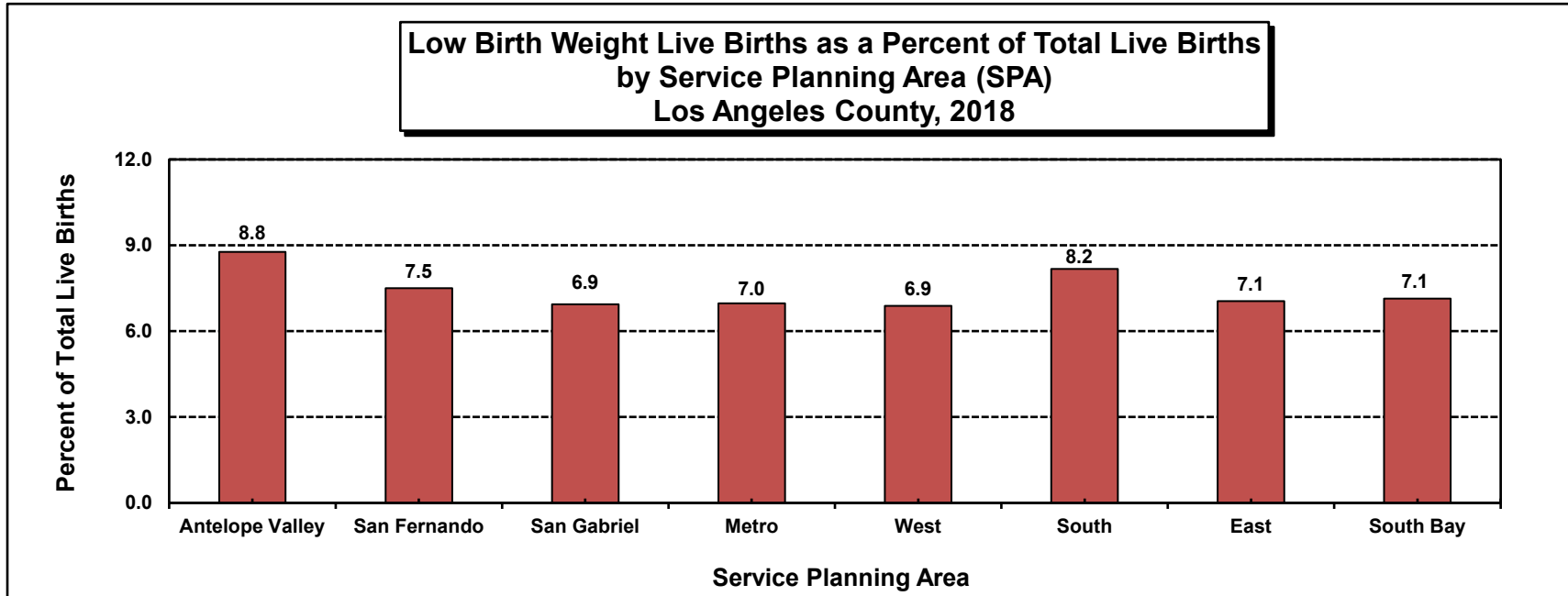
Total Live Births
623
2,804
50,988
47,667
5,410
2,401
109,893



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

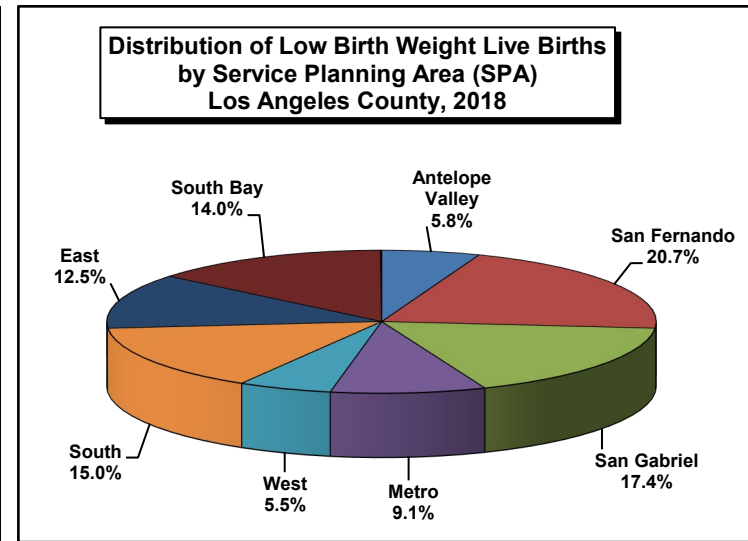
Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20



Los Angeles County, 2018				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	467	8.8	8.0	9.5
San Fernando	1,673	7.5	7.2	7.8
San Gabriel	1,405	6.9	6.6	7.3
Metro	736	7.0	6.5	7.5
West	444	6.9	6.3	7.5
South	1,212	8.2	7.7	8.6
East	1,006	7.1	6.6	7.5
South Bay	1,131	7.1	6.7	7.5
Unknown	5	9.3	1.5	17.0
Total	8,079	7.4	7.2	7.5

Total Live Births
5,327
22,305
20,259
10,558
6,449
14,826
14,268
15,847
54
109,893



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: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

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)

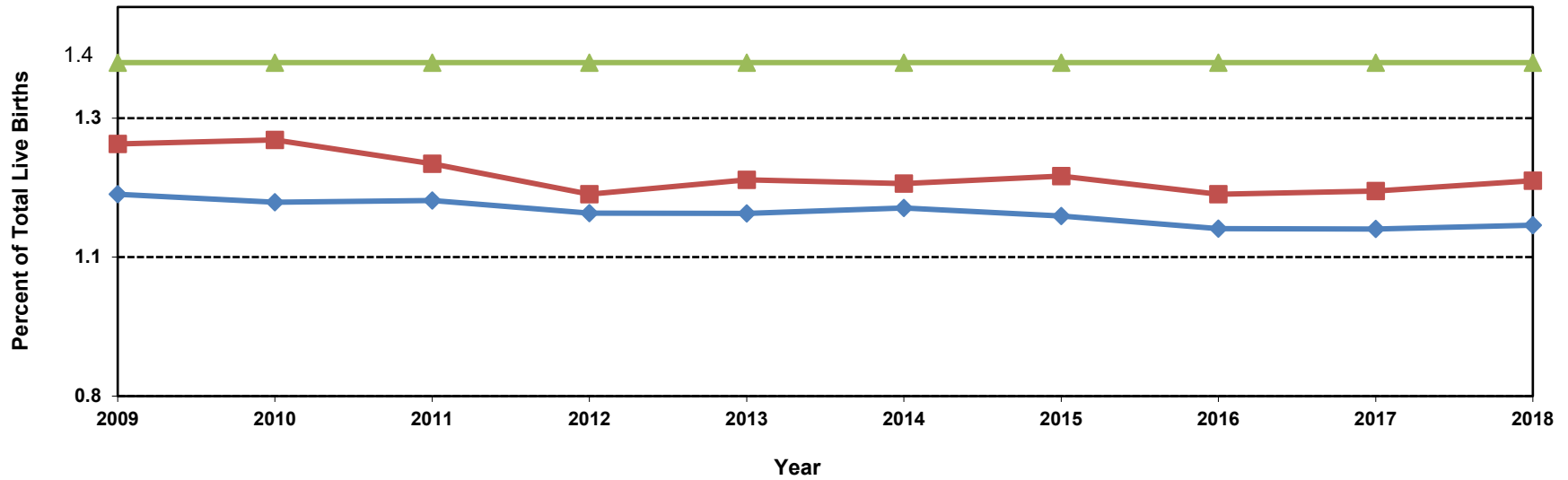
Year	California				Los Angeles County			
	Very Low Birth Weight		95% Confidence Interval		Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2009	6,127	1.2	1.1	1.2	1,751	1.3	1.2	1.3
2010	5,859	1.1	1.1	1.2	1,679	1.3	1.2	1.3
2011	5,782	1.2	1.1	1.2	1,587	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

Denominator: Live Births		
Year	California	LA County
2009	526,774	139,679
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

Source: California Department of Public Health, Birth Statistical Master File, 2008-2017
 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
 Centers for Disease Control and Prevention, National Vital Statistics Reports, natality public use data 2009-2018

Very Low Birth Weight Live Births as a Percent of Total Live Births California vs. Los Angeles County, 2009-2018

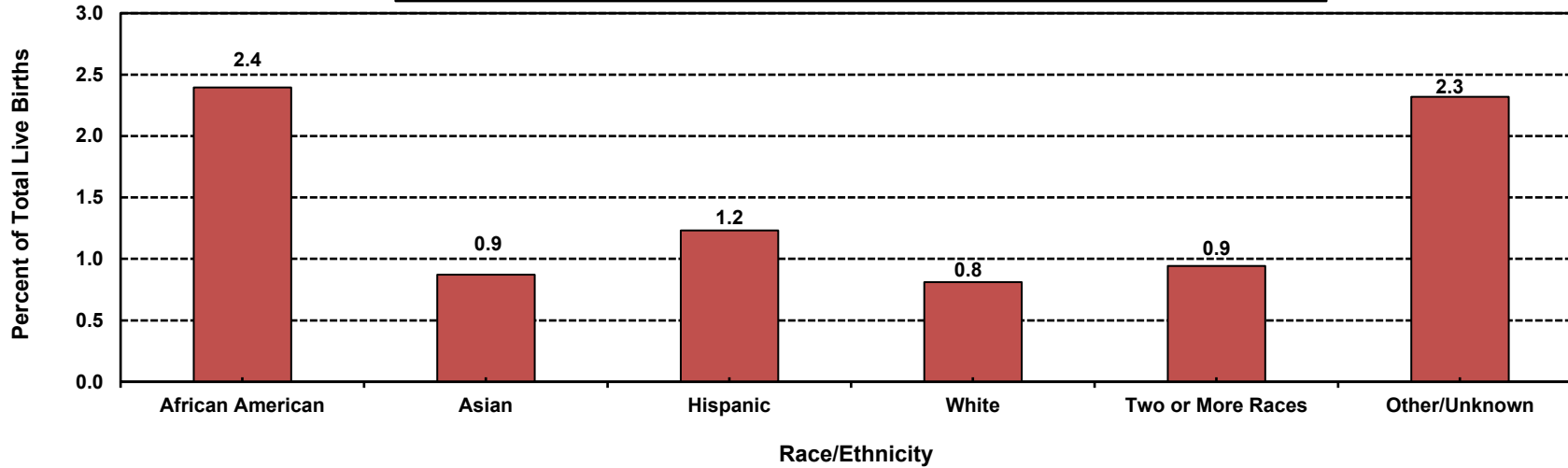
■ Los Angeles County
 ◆ California
 ▲ Healthy People 2020



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

Sources: Centers for Disease Control and Prevention, National Vital Statistics Reports, natality public use data 2009-2018
 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20
 California Department of Public Health, Birth Statistical Master File, 2008-2017

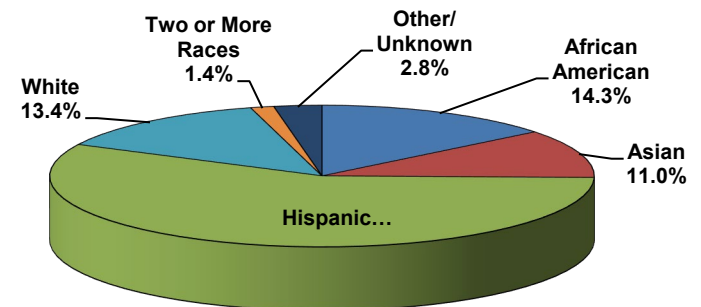
**Very Low Birth Weight Live Births as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2018**



Los Angeles County, 2018				
Mother's Race/Ethnicity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	186	2.4	2.1	2.7
Asian	144	0.9	0.7	1.0
Hispanic	741	1.2	1.1	1.3
Native American	<5	N/C	N/C	N/C
White	175	0.8	0.7	0.9
Two or More Races	18	0.9	0.5	1.4
Other/Unknown	37	2.3	1.6	3.1
Pacific Islander	<5	N/C	N/C	N/C
Total	1,305	1.2	1.1	1.3

Total Live Births
7,761
16,532
60,133
124
21,581
1,908
1,596
258
109,893

**Distribution of Very Low Birth Weight Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2018**

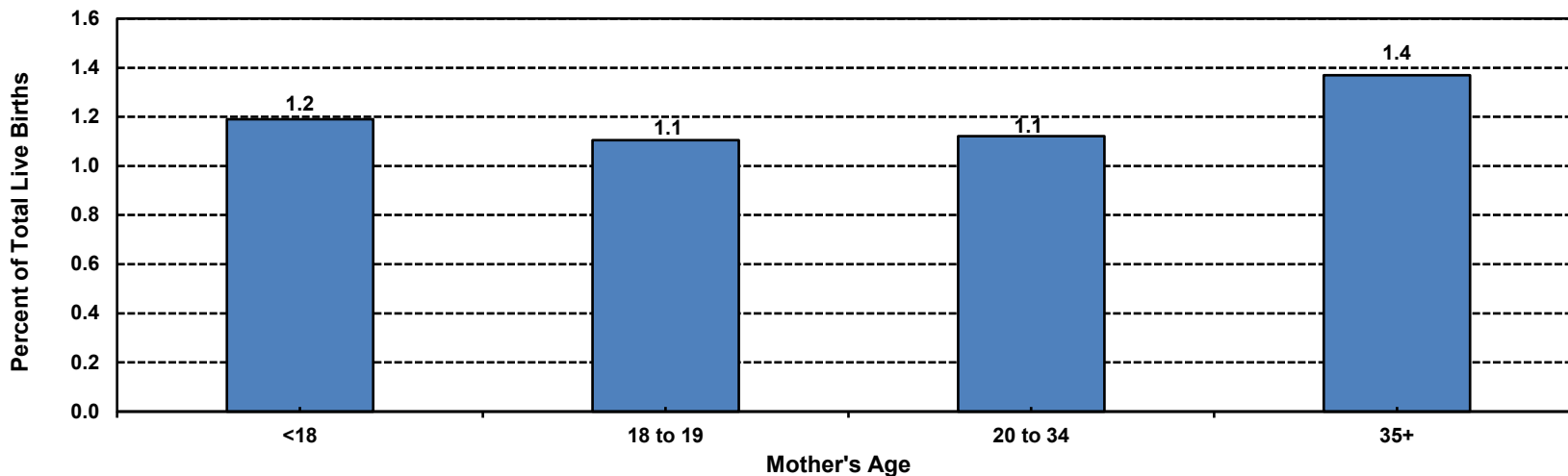


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams. Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

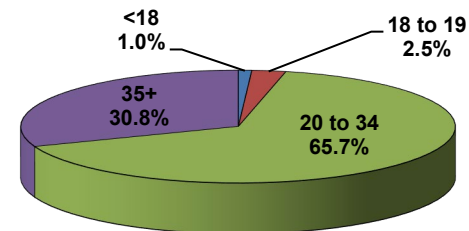
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2018**



Los Angeles County, 2018				
Mother's Age	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	13	1.2	0.5	1.8
18 to 19	33	1.1	0.7	1.5
20 to 34	857	1.1	1.0	1.2
35+	402	1.4	1.2	1.5
Other/Unknown	<5	N/C	N/C	N/C
Total	1,305	1.2	1.1	1.3

Total Live Births
1,092
2,986
76,448
29,356
11
109,893

**Distribution of Very Low Birth Weight Live Births
by Mother's Age
Los Angeles County, 2018**



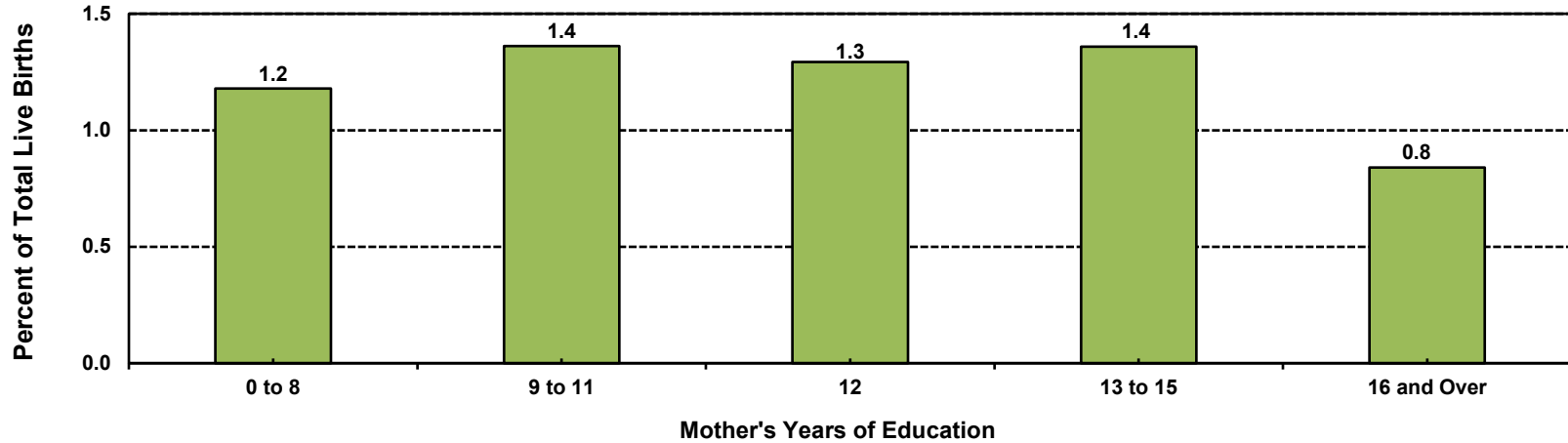
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

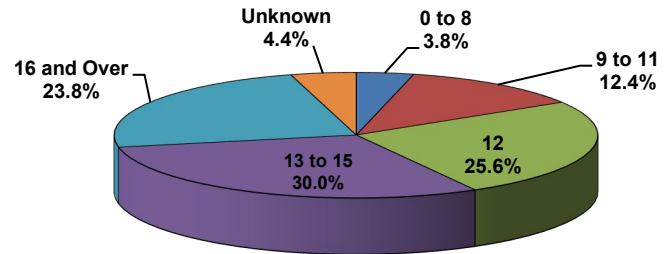
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2018**



Los Angeles County, 2018				
Mother's Years of Education	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	50	1.2	0.9	1.5
9 to 11	162	1.4	1.2	1.6
12	334	1.3	1.2	1.4
13 to 15	392	1.4	1.2	1.5
16 and Over	310	0.8	0.7	0.9
Unknown	57	2.6	1.9	3.3
Total	1,305	1.2	1.1	1.3

Total Live Births
4,243
11,905
25,821
28,849
36,882
2,193
109,893

**Distribution of Very Low Birth Weight Live Births
by Mother's Years of Education
Los Angeles County, 2018**

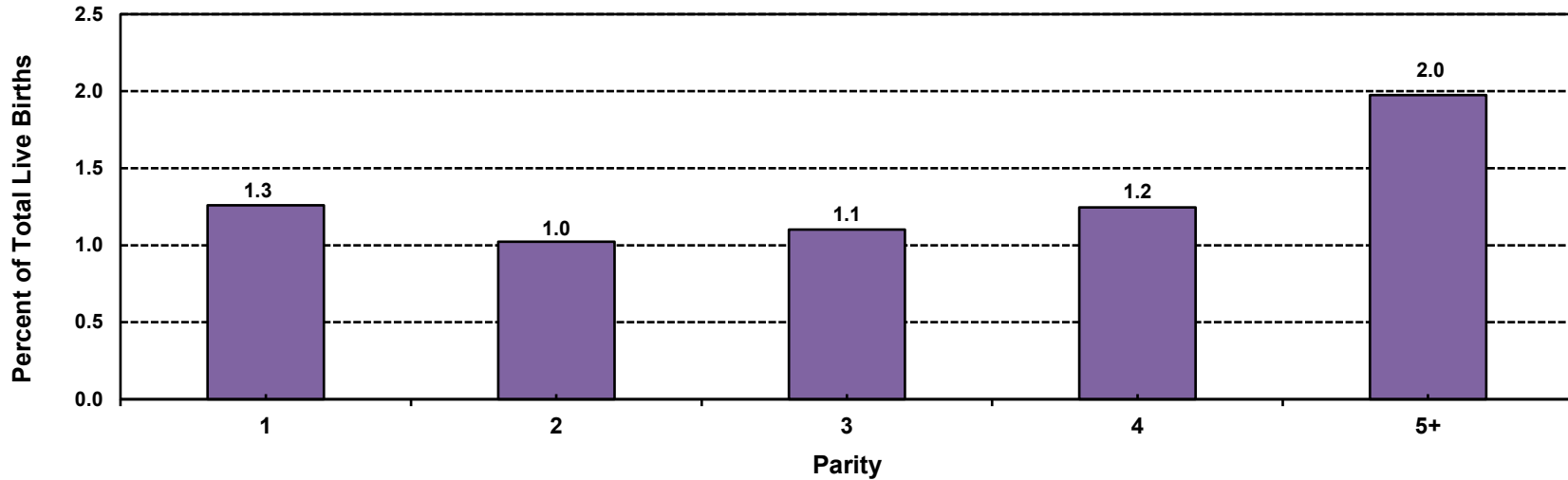


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

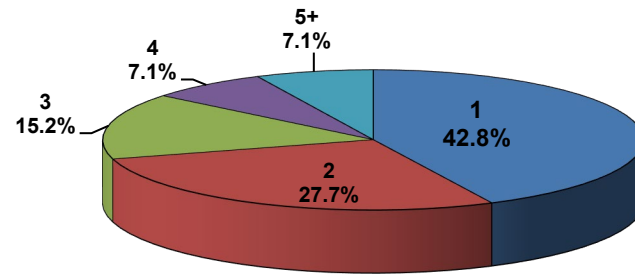
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2018**



Los Angeles County, 2018				
Parity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	558	1.3	1.2	1.4
2	362	1.0	0.9	1.1
3	199	1.1	1.0	1.3
4	93	1.2	1.0	1.5
5+	92	2.0	1.6	2.4
Unknown	<5	N/C	N/C	N/C
Total	1,305	1.2	1.1	1.3

Total Live Births
44,273
35,360
18,053
7,466
4,661
80
109,893

**Distribution of Very Low Birth Weight Live Births
by Parity
Los Angeles County, 2018**



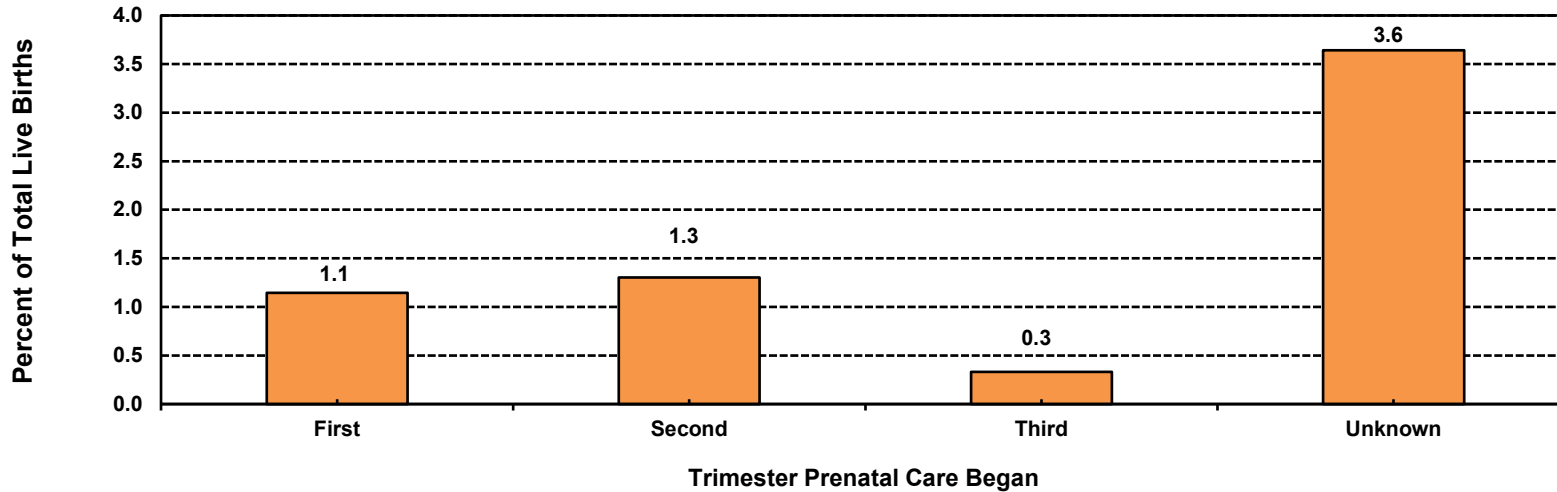
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

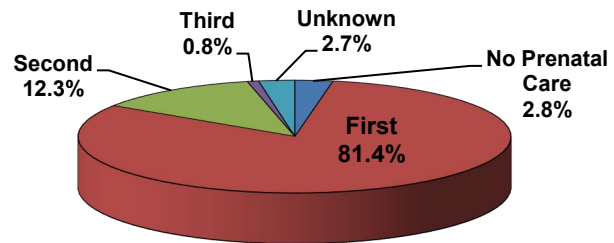
Very Low Birth Weight Live Births as a Percent of Total Live Births by Mother's Trimester Prenatal Care (PNC) Began Los Angeles County, 2018



Los Angeles County, 2018				
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	37	5.9	4.1	7.8
First	1,062	1.1	1.1	1.2
Second	160	1.3	1.1	1.5
Third	11	0.3	0.1	0.5
Unknown	35	3.6	2.5	4.8
Total	1,305	1.2	1.1	1.3

Total Live Births
623
92,721
12,266
3,322
961
109,893

Distribution of Very Low Birth Weight Live Births by Mother's Trimester Prenatal Care Began Los Angeles County, 2018

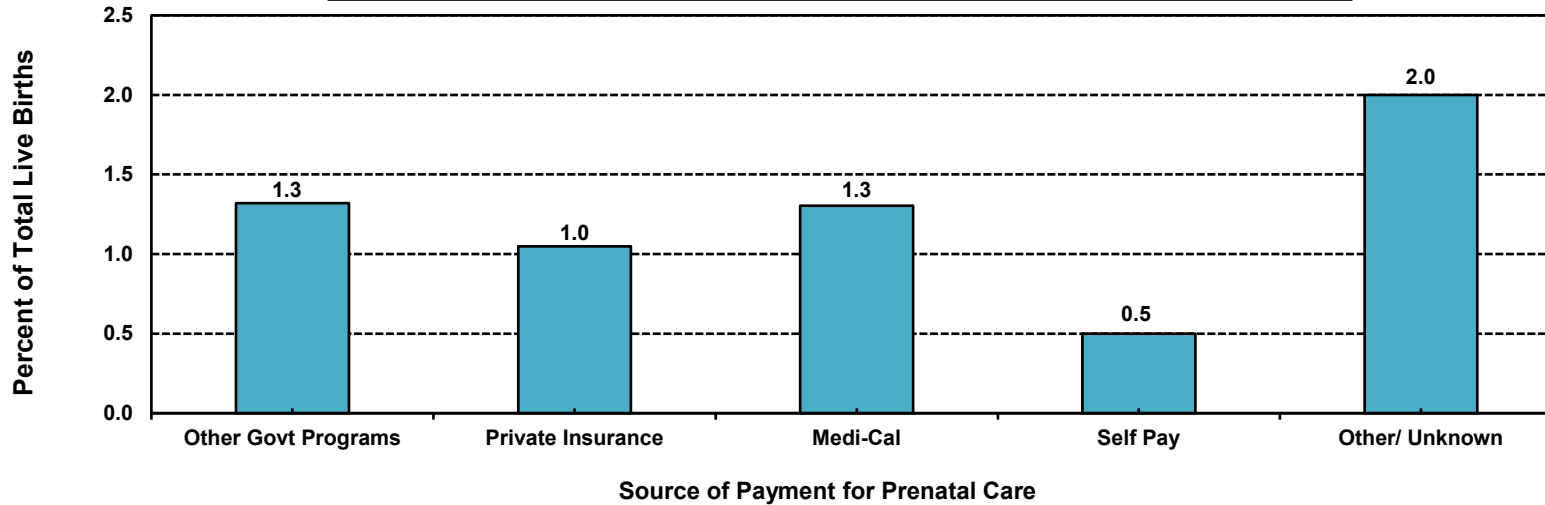


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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

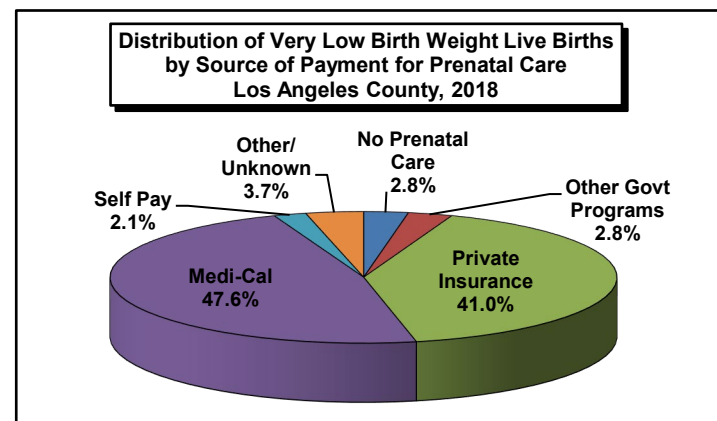
Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2018**



Los Angeles County, 2018				
Source of Payment for Prenatal Care	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	37	5.9	4.1	7.8
Other Govt Programs	37	1.3	0.9	1.7
Private Insurance	535	1.0	1.0	1.1
Medi-Cal	621	1.3	1.2	1.4
Self Pay	27	0.5	0.3	0.7
Other/ Unknown	48	2.0	1.4	2.6
Total	1,305	1.2	1.1	1.3

Total Live Births
623
2,804
50,988
47,667
5,410
2,401
109,893

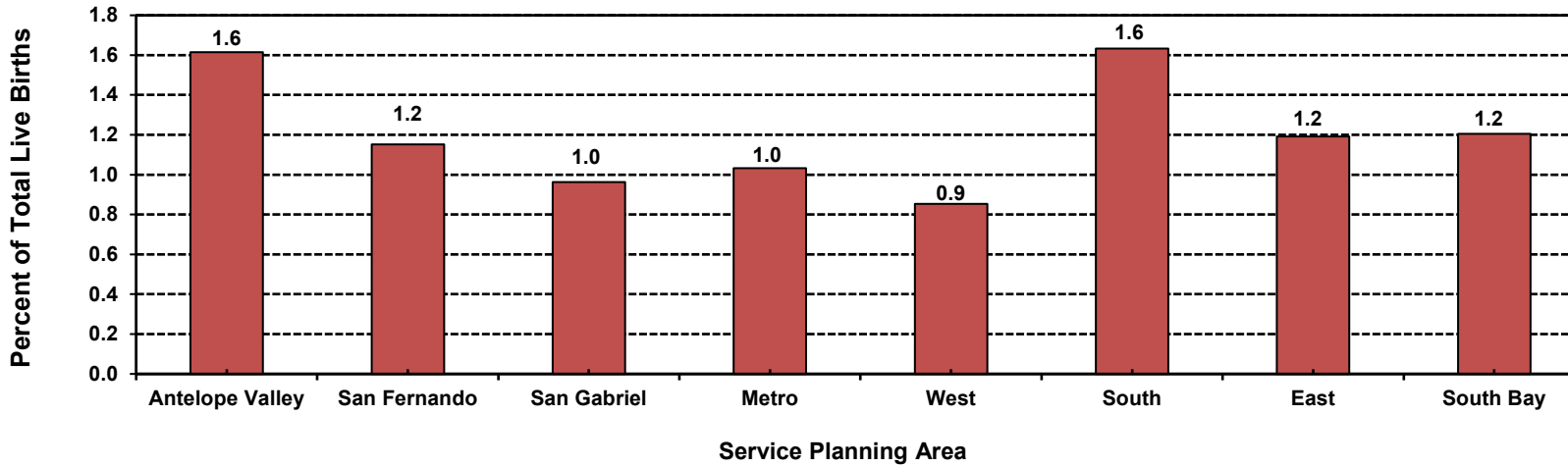


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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

Source: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20

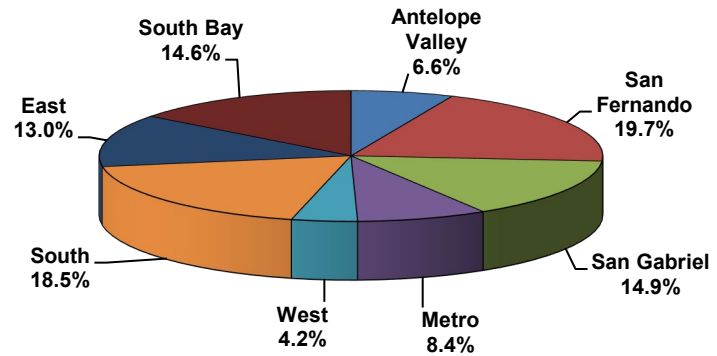
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2018**



Los Angeles County, 2018				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	86	1.6	1.3	2.0
San Fernando	257	1.2	1.0	1.3
San Gabriel	195	1.0	0.8	1.1
Metro	109	1.0	0.8	1.2
West	55	0.9	0.6	1.1
South	242	1.6	1.4	1.8
East	170	1.2	1.0	1.4
South Bay	191	1.2	1.0	1.4
Unknown	-	N/C	N/C	N/C
Total	1,305	1.2	1.1	1.3

Total Live Births
5,327
22,305
20,259
10,558
6,449
14,826
14,268
15,847
54
109,893

**Distribution of Very Low Birth Weight Live Births
by Service Planning Area (SPA)
Los Angeles County, 2018**



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: 2018 birth records downloaded from the Vital Record Business Intelligence System (VRBIS) on 02/04/20