

Low Birth Weight

TITLE V 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)

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

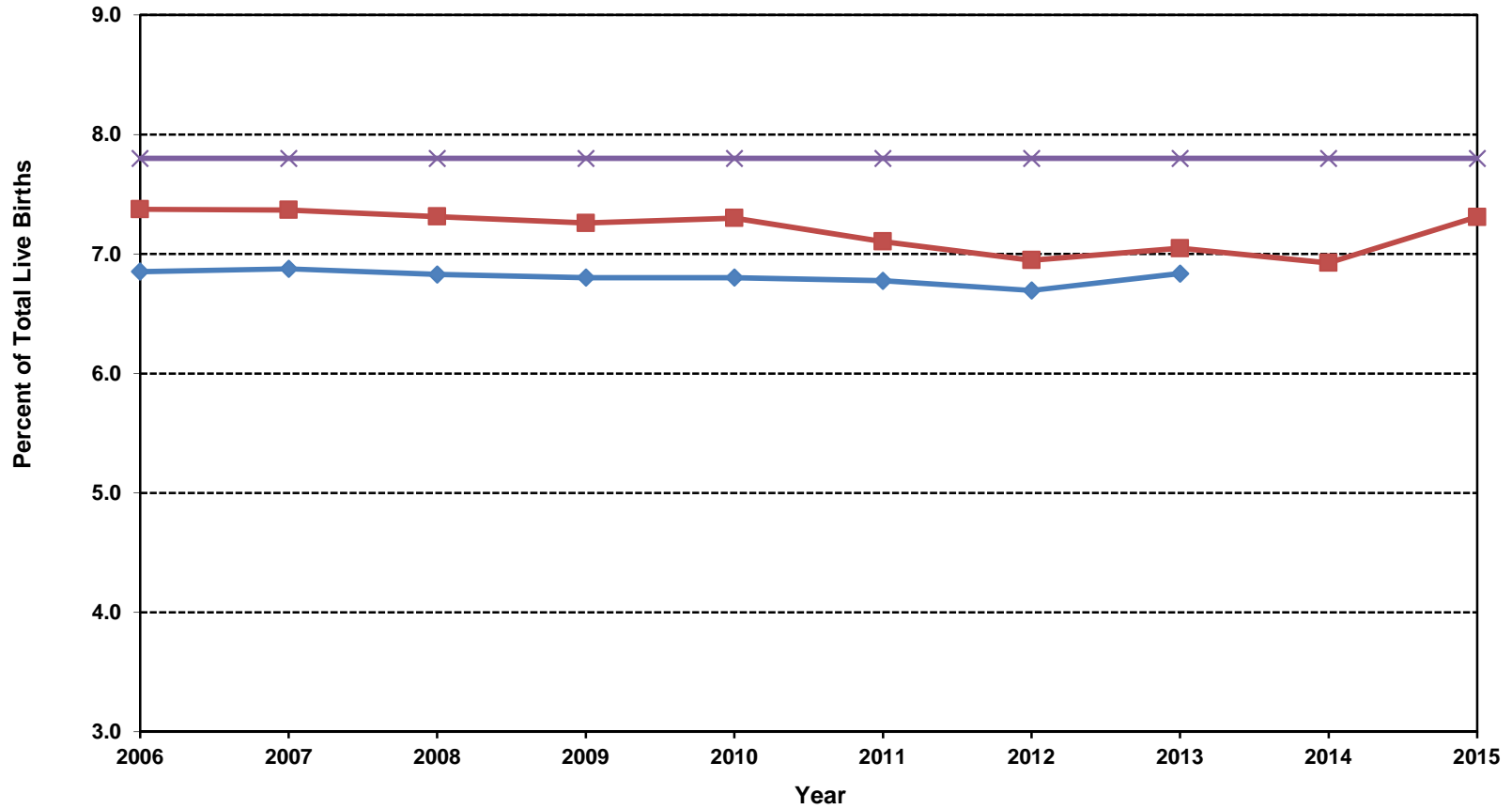
Year	California				Los Angeles County			
	Low Birth Weight		95% Confidence Interval		Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2006	38,517	6.9	6.8	6.9	11,196	7.4	7.2	7.5
2007	38,923	6.9	6.8	6.9	11,186	7.4	7.2	7.5
2008	37,663	6.8	6.8	6.9	10,800	7.3	7.2	7.4
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	#N/A	#N/A	#N/A	#N/A	9,013	6.9	6.8	7.1
2015	#N/A	#N/A	#N/A	#N/A	9,100	7.3	7.2	7.5

Denominator: Live Births		
Year	California	LA County
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
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	#N/A	124,507

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015.

**Percent of Low Birth Weight
California vs. Los Angeles County, 2006-2015**

California Los Angeles County Healthy People 2020

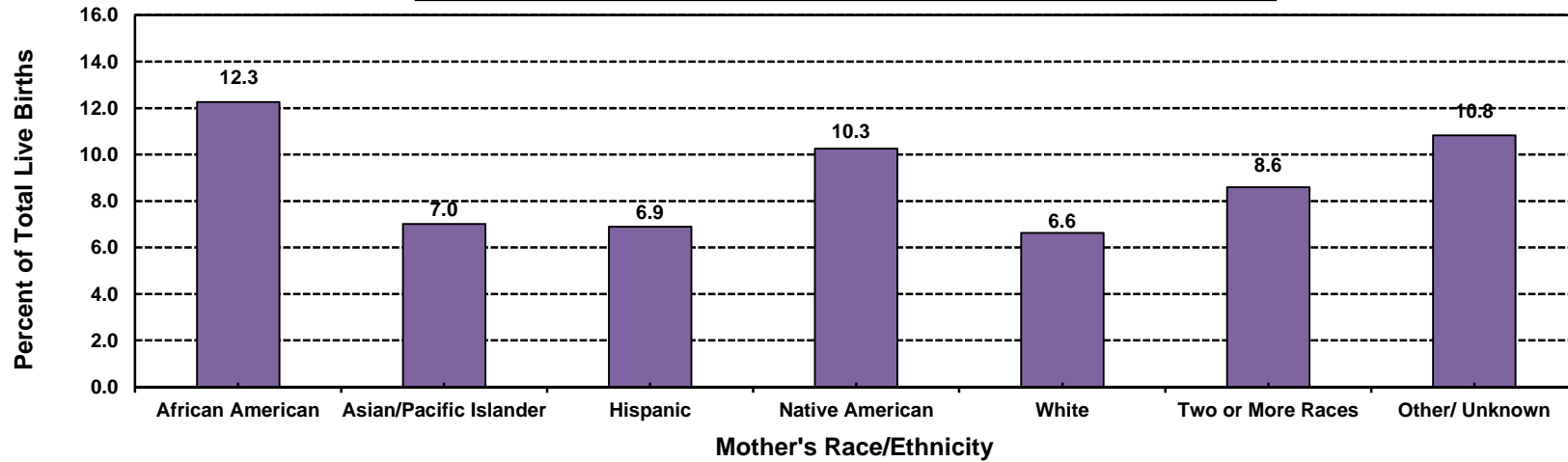


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015.

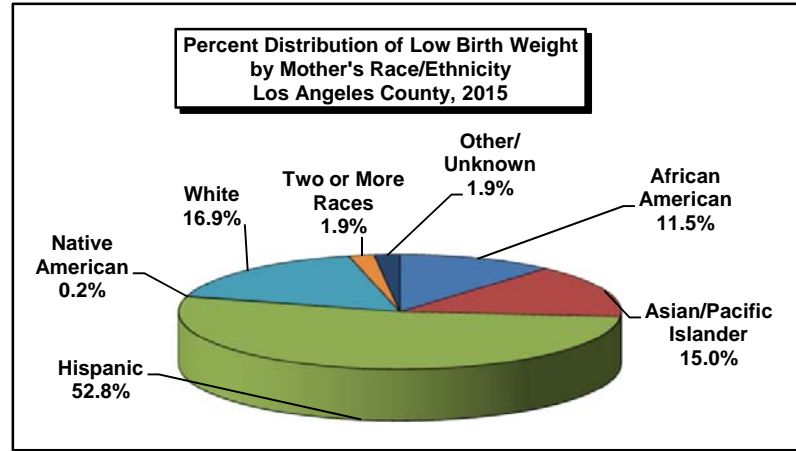
Note: California data for 2014 & 2015 was unavailable at the time of this report.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	1,042	12.3	11.6	13.0
Asian/Pacific Islander	1,361	7.0	6.7	7.4
Hispanic	4,806	6.9	6.7	7.1
Native American	16	10.3	5.5	15.0
White	1,535	6.6	6.3	6.9
Two or More Races	169	8.6	7.4	9.8
Other/ Unknown	171	10.8	9.3	12.4
Total	9,100	7.3	7.2	7.5

Total Live Births
8,497
19,417
69,724
156
23,169
1,965
1,579
124,507

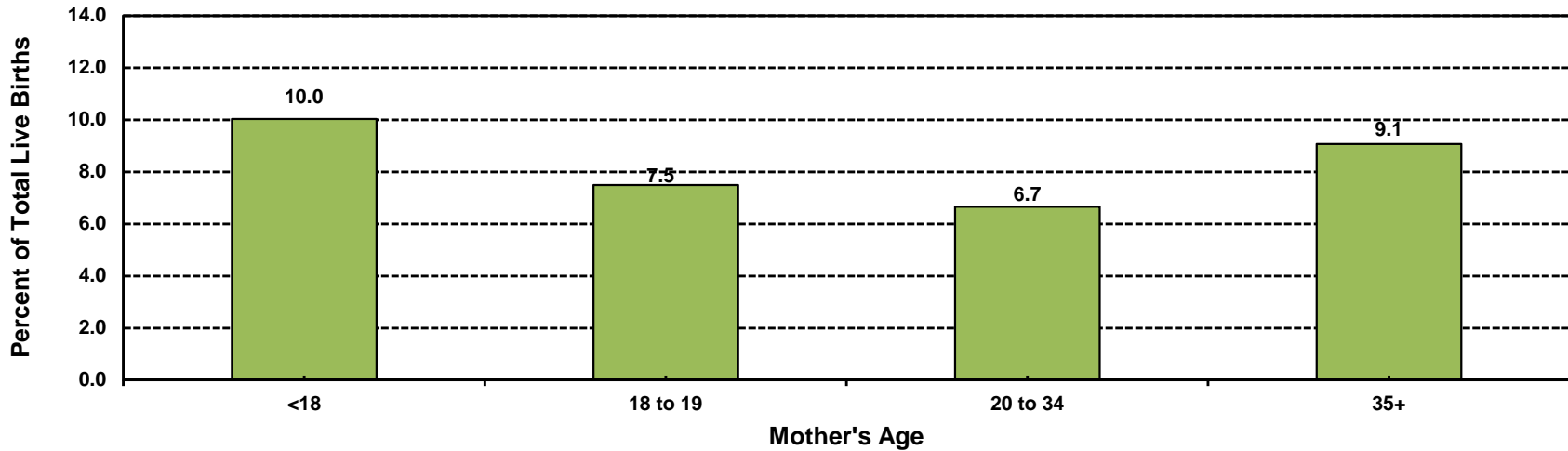


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

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

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

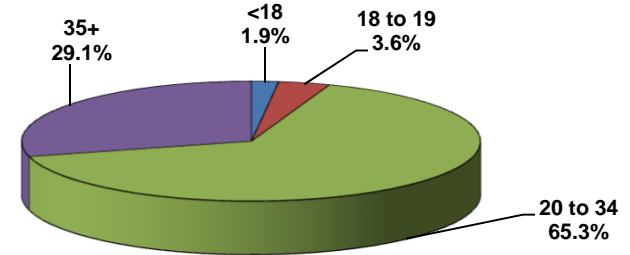
**Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	173	10.0	8.6	11.5
18 to 19	330	7.5	6.7	8.3
20 to 34	5,944	6.7	6.5	6.8
35+	2,651	9.1	8.7	9.4
Unknown	<5	N/C	N/C	N/C
Total	9,100	7.3	7.2	7.5

Total Live Births
1,724
4,404
89,151
29,209
19
124,507

**Percent Distribution of Low Birth Weight
by Mother's Age
Los Angeles County, 2015**

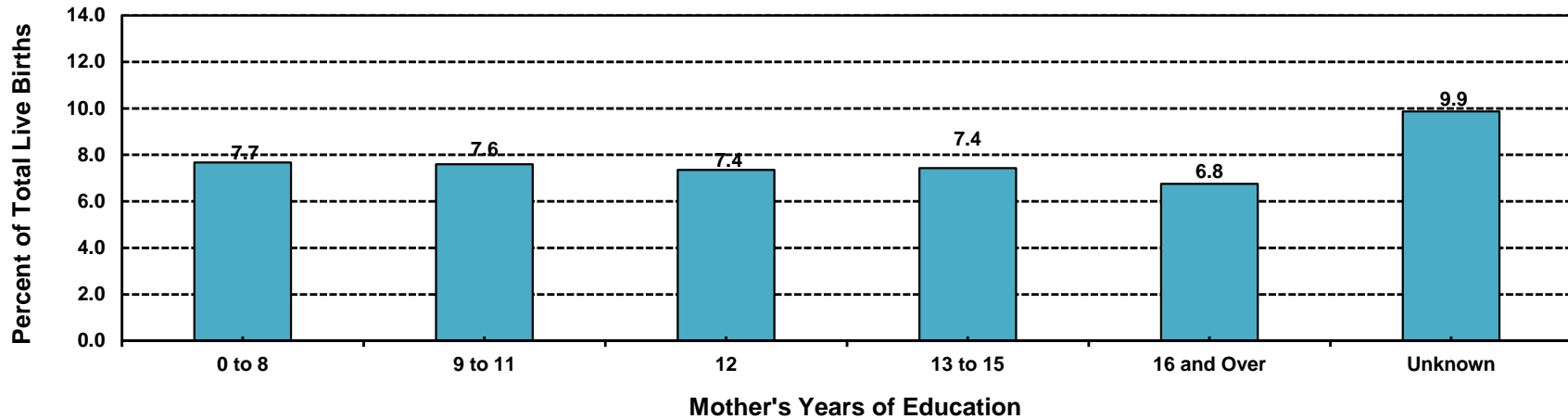


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

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

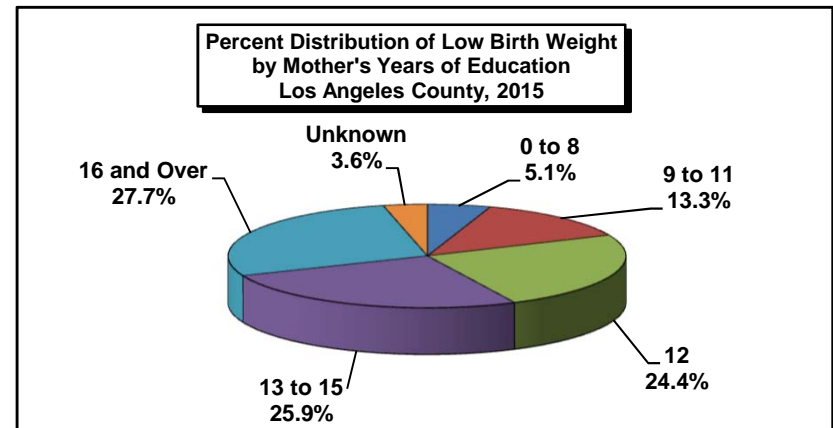
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	465	7.7	7.0	8.3
9 to 11	1,209	7.6	7.2	8.0
12	2,222	7.4	7.1	7.6
13 to 15	2,359	7.4	7.1	7.7
16 and Over	2,520	6.8	6.5	7.0
Unknown	325	9.9	8.9	10.9
Total	9,100	7.3	7.2	7.5

Total Live Births
6,058
15,906
30,217
31,760
37,273
3,293
124,507

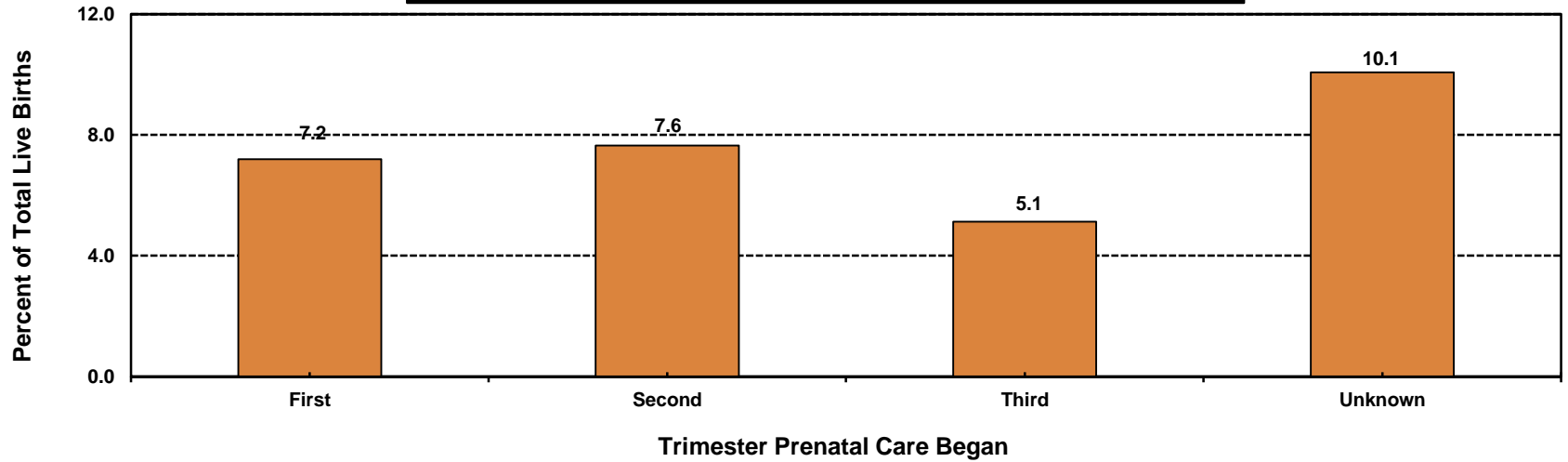


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

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

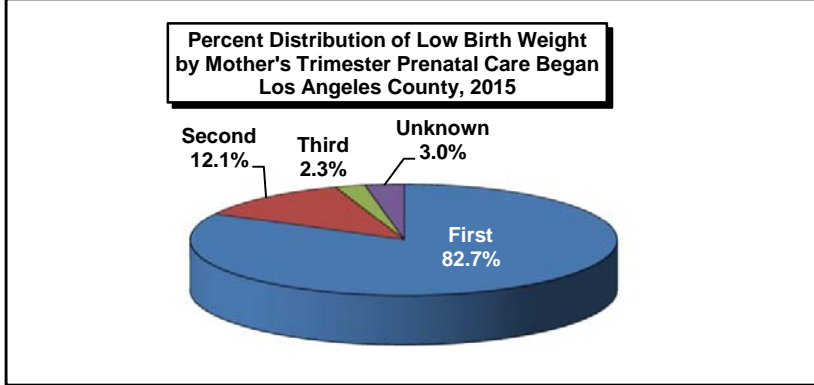
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

Low Birth Weight Live Births, as Percent of Total Live Births by Mother's Trimester Prenatal Care (PNC) Began Los Angeles County, 2015



Los Angeles County, 2015				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
First	7,418	7.2	7.0	7.3
Second	1,081	7.6	7.2	8.1
Third	202	5.1	4.4	5.8
Unknown	265	10.1	8.9	11.2
Total	8,966	7.2	7.1	7.4

Total Live Births
103,155
14,146
3,945
2,631
123,877



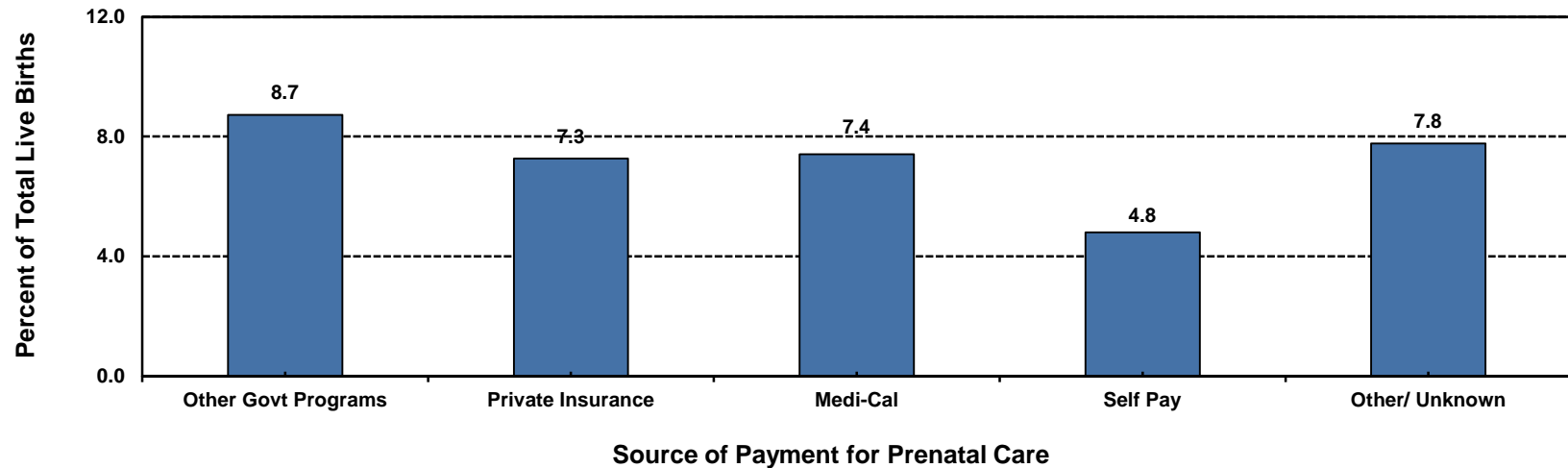
Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

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

"Trimester Prenatal Care (PNC) Began" excludes women who did not receive prenatal care (n=630) and the prenatal care experiences of all women whose pregnancies did not result in a live birth.

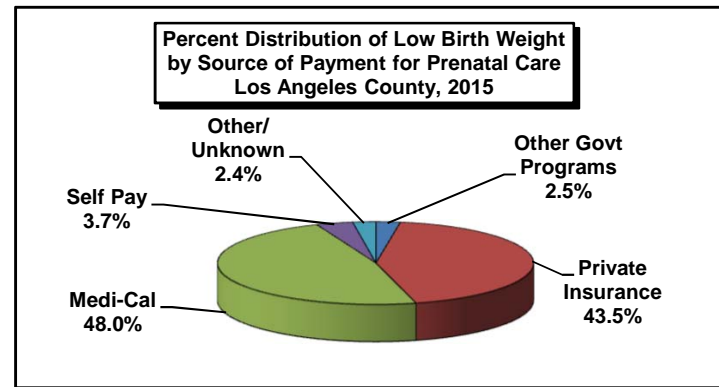
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2015**



Los Angeles County, 2015				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
Other Govt Programs	222	8.7	7.6	9.8
Private Insurance	3,897	7.3	7.0	7.5
Medi-Cal	4,300	7.4	7.2	7.6
Self Pay	336	4.8	4.3	5.3
Other/ Unknown	211	7.8	6.8	8.8
Total	8,966	7.2	7.1	7.4

Total Live Births
2,544
53,609
58,009
6,997
2,717
123,876



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

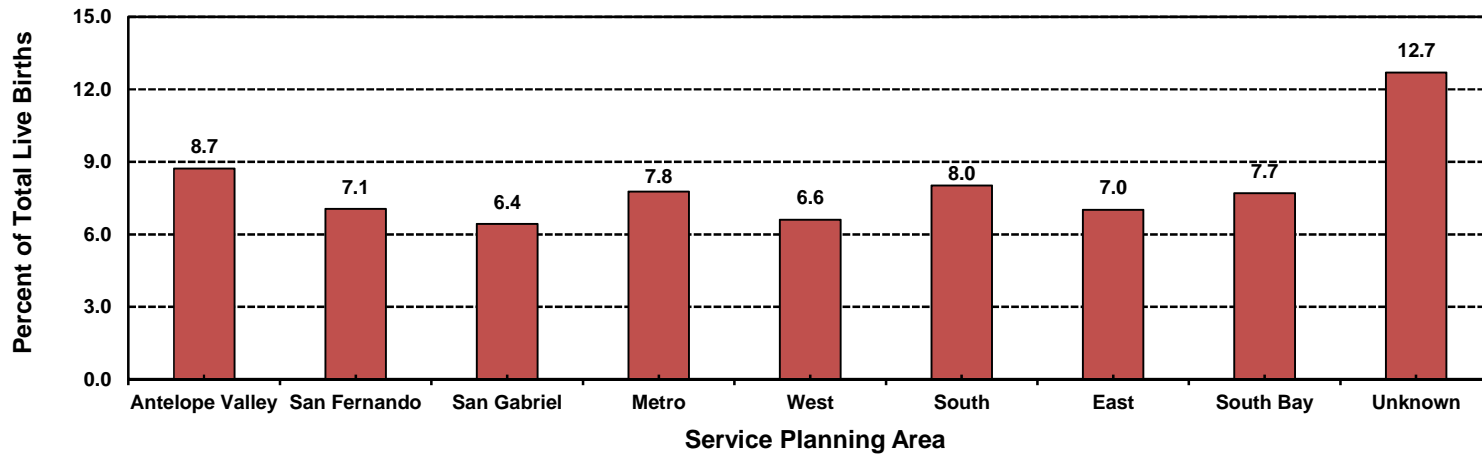
Note: Low birth weight is defined as weight less than 2,500 grams at birth.

"Source of Payment for Prenatal Care (PNC)" excludes women who did not receive prenatal care (n=630) and the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Live births missing source of payment are excluded from this analysis (missing = 1).

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

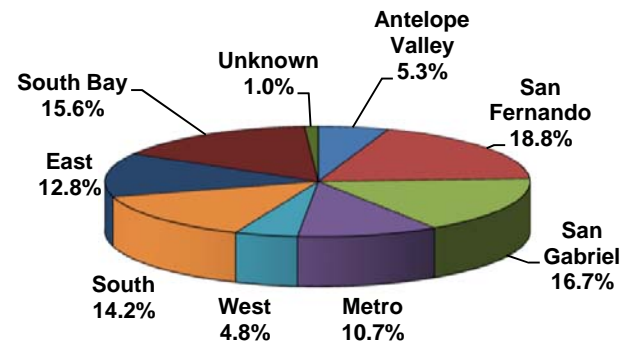
**Low Birth Weight as Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2015**



Los Angeles County, 2015				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	485	8.7	8.0	9.5
San Fernando	1,711	7.1	6.7	7.4
San Gabriel	1,519	6.4	6.1	6.7
Metro	976	7.8	7.3	8.2
West	433	6.6	6.0	7.2
South	1,290	8.0	7.6	8.4
East	1,168	7.0	6.6	7.4
South Bay	1,423	7.7	7.3	8.1
Unknown	95	12.7	10.3	15.1
Total	9,100	7.3	7.2	7.5

Total Live Births
5,558
24,263
23,630
12,550
6,555
16,069
16,652
18,482
748
124,507

**Percent Distribution of Low Birth Weight Births by
Service Planning Area (SPA)
Los Angeles County, 2015**



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 less than 2,500 grams at birth.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

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)

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

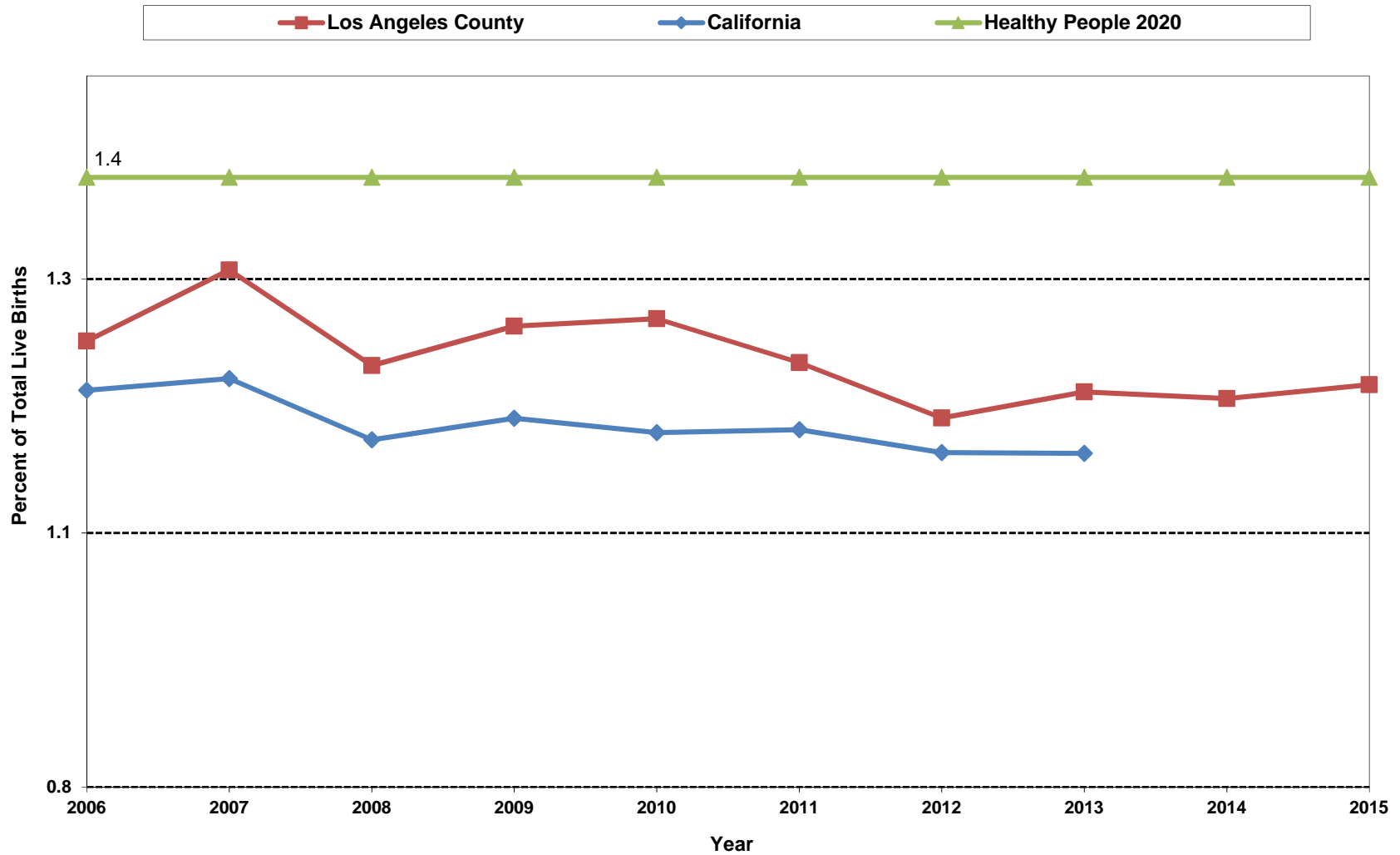
Year	California				Los Angeles County			
	Very Low Birth Weight		95% Confidence Interval		Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2006	6,693	1.2	1.2	1.2	1,881	1.2	1.2	1.3
2007	6,805	1.2	1.2	1.2	1,987	1.3	1.3	1.4
2008	6,298	1.1	1.1	1.2	1,794	1.2	1.2	1.3
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	#N/A	#N/A	#N/A	#N/A	1,539	1.2	1.1	1.2
2015	#N/A	#N/A	#N/A	#N/A	1,489	1.2	1.1	1.3

Denominator: Live Births		
Year	California	LA County
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
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	#N/A	124,507

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015.

Note: California data for 2014 & 2015 was unavailable at the time of this report.

Percent of Very Low Birth Weight California vs. Los Angeles County, 2006-2015

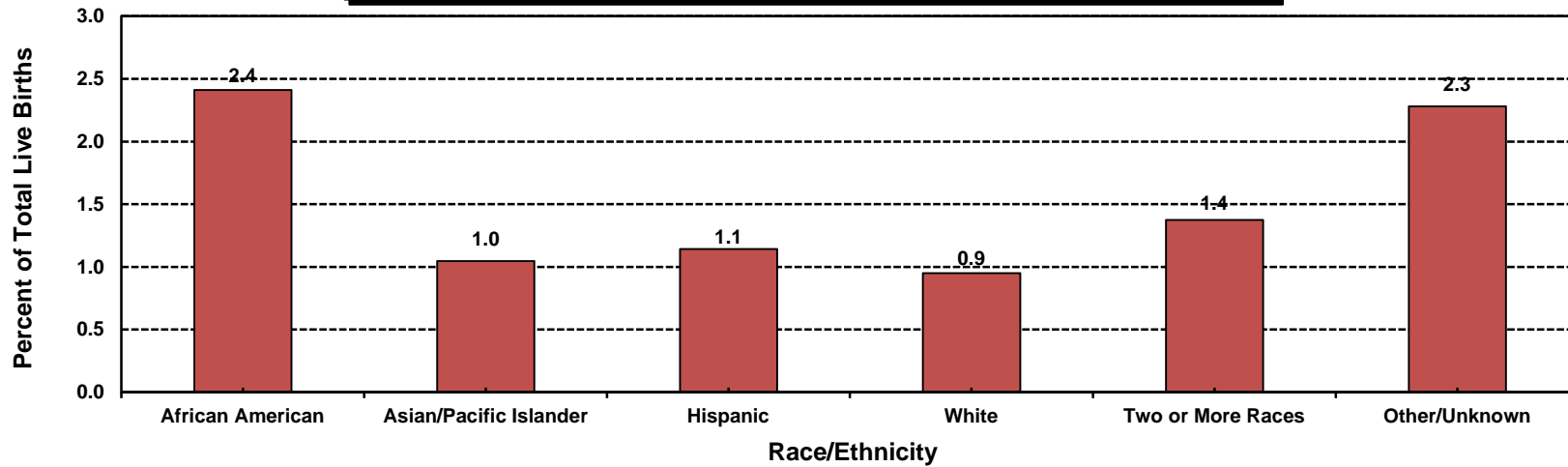


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: California data for 2014 & 2015 was unavailable at the time of this report.

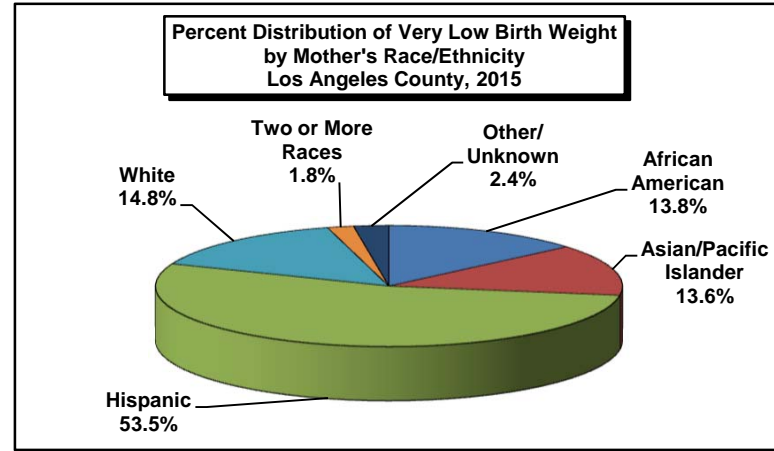
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Race/Ethnicity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	205	2.4	2.1	2.7
Asian/Pacific Islander	203	1.0	0.9	1.2
Hispanic	796	1.1	1.1	1.2
Native American	<5	N/C	N/C	N/C
White	220	0.9	0.8	1.1
Two or More Races	27	1.4	0.9	1.9
Other/Unknown	36	2.3	1.5	3.0
Total	1,489	1.2	1.1	1.3

Total Live Births
8,497
19,417
69,724
156
23,169
1,965
1,579
124,507



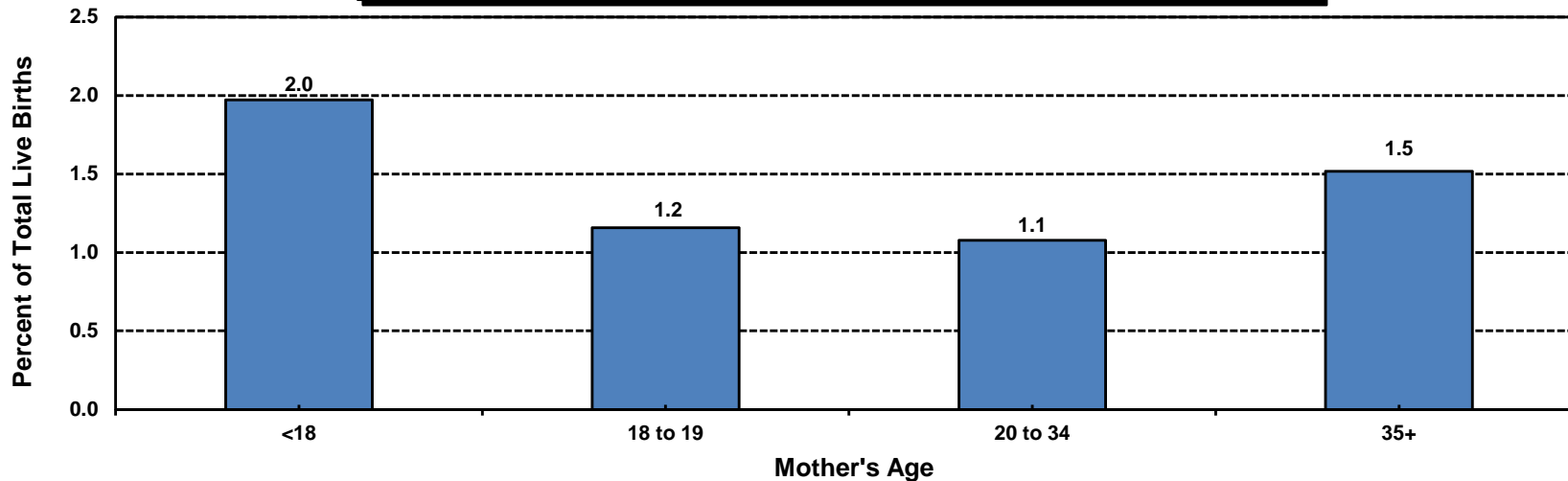
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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 Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

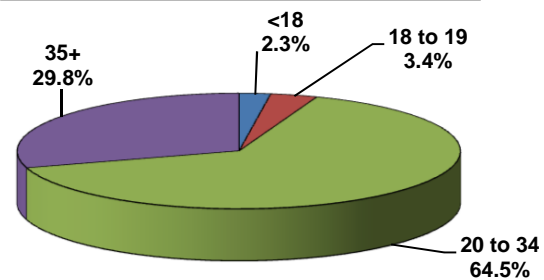
**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Age	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	34	2.0	1.3	2.6
18 to 19	51	1.2	0.8	1.5
20 to 34	961	1.1	1.0	1.1
35+	443	1.5	1.4	1.7
Other/Unknown	<5	N/C	N/C	N/C
Total	1,489	1.2	1.1	1.3

Total Live Births
1,724
4,404
89,151
29,209
19
124,507

**Percent Distribution of Very Low Birth Weight
by Mother's Age
Los Angeles County, 2015**



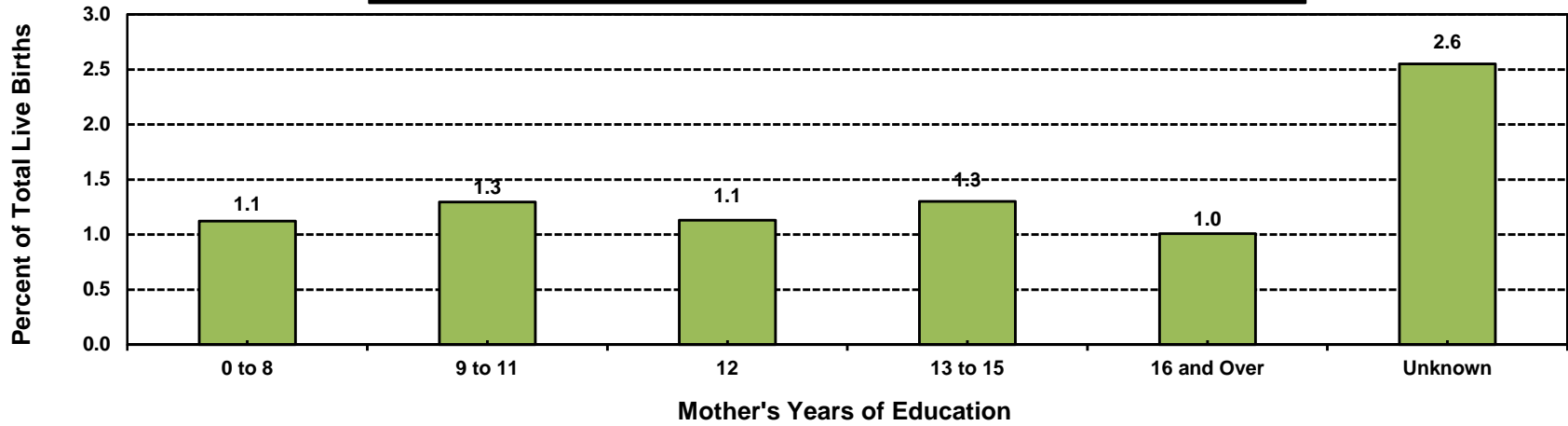
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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.

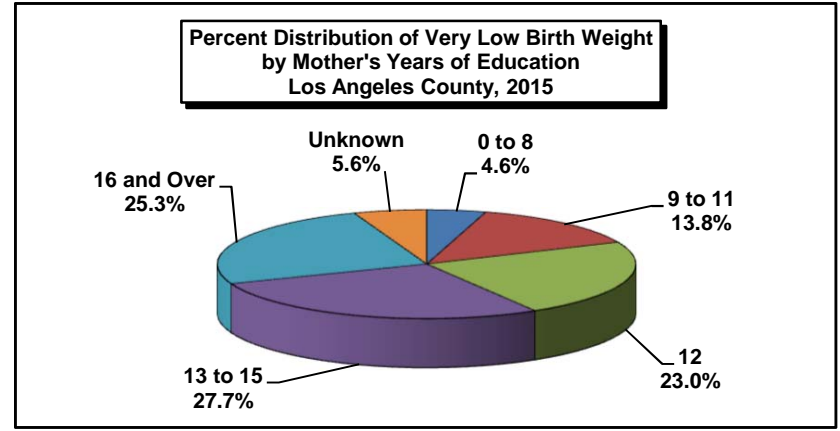
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Years of Education	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	68	1.1	0.9	1.4
9 to 11	206	1.3	1.1	1.5
12	342	1.1	1.0	1.3
13 to 15	413	1.3	1.2	1.4
16 and Over	376	1.0	0.9	1.1
Unknown	84	2.6	2.0	3.1
Total	1,489	1.2	1.1	1.3

Total Live Births
6,058
15,906
30,217
31,760
37,273
3,293
124,507

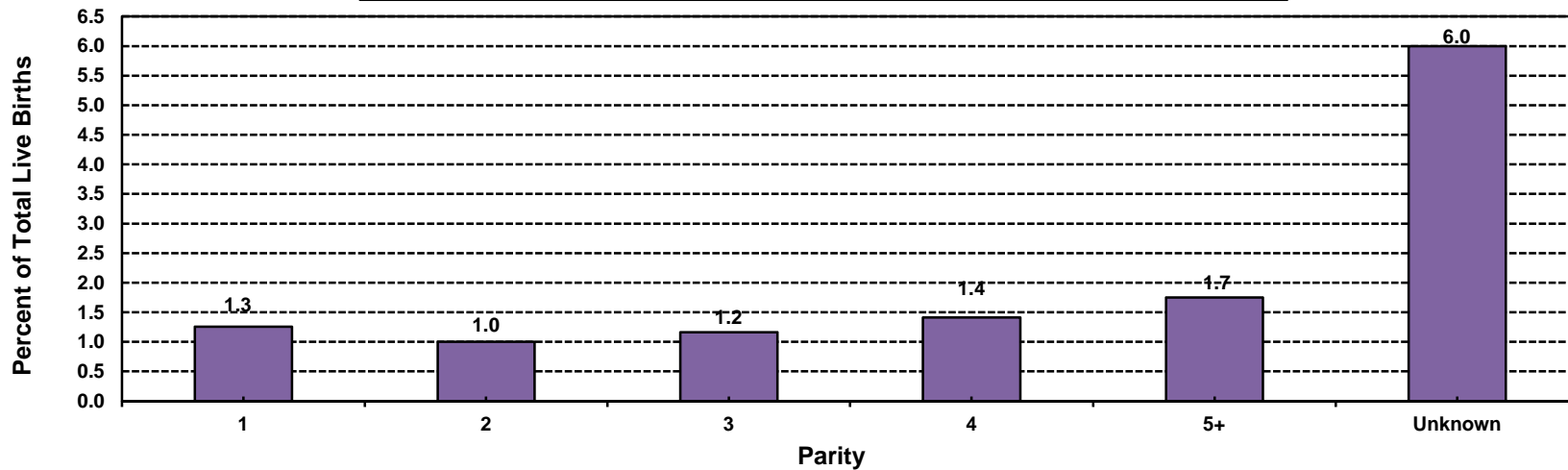


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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

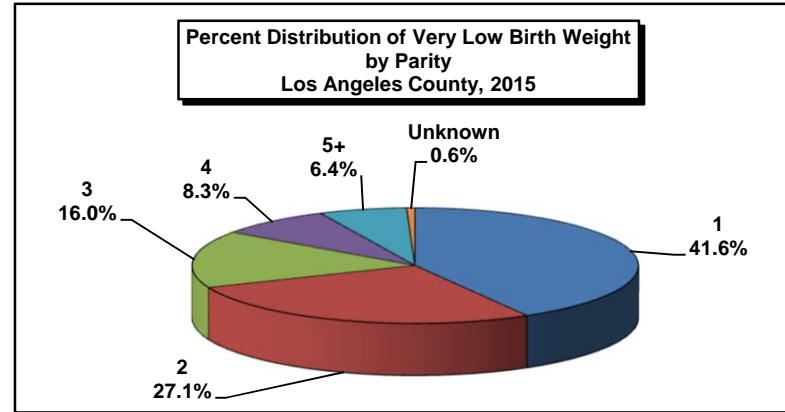
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Parity
Los Angeles County, 2015**



Los Angeles County, 2015				
Parity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	620	1.3	1.2	1.4
2	404	1.0	0.9	1.1
3	238	1.2	1.0	1.3
4	123	1.4	1.2	1.7
5+	95	1.7	1.4	2.1
Unknown	9	6.0	2.2	9.8
Total	1,489	1.2	1.1	1.3

Total Live Births
49,282
40,420
20,498
8,728
5,429
150
124,507



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

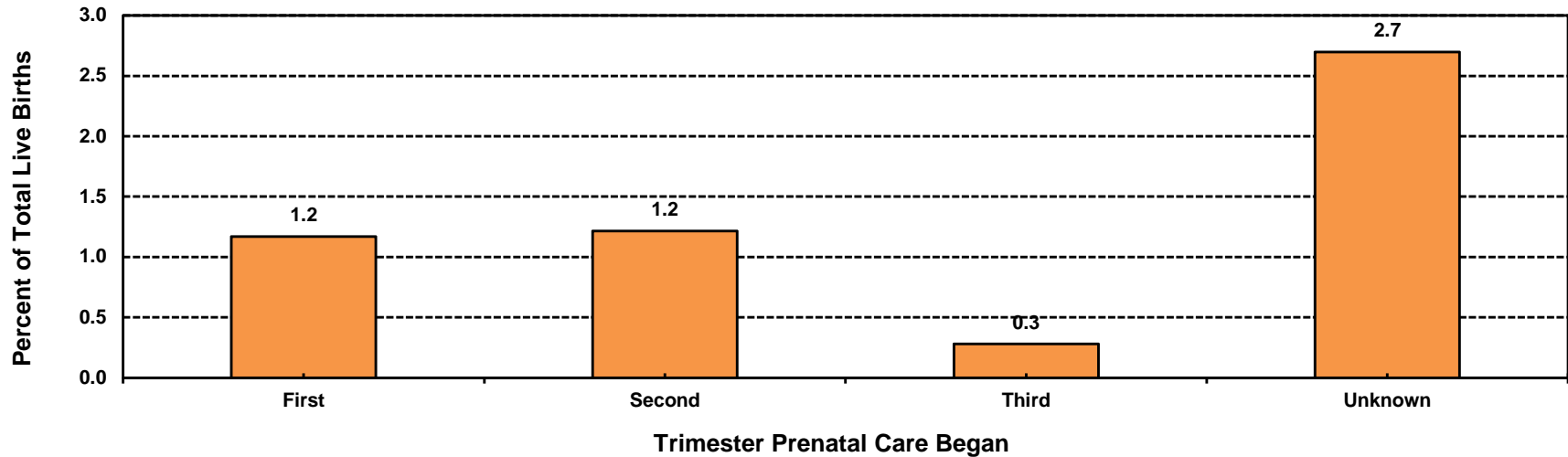
Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

Parity = number of pregnancies resulting in live births to a woman.

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

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

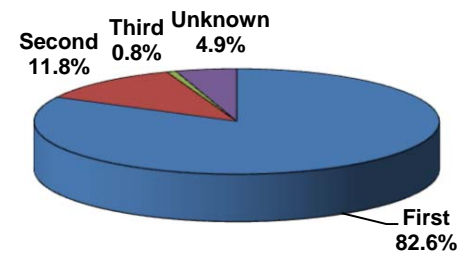
**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
First	1,205	1.2	1.1	1.2
Second	172	1.2	1.0	1.4
Third	11	0.3	0.1	0.4
Unknown	71	2.7	2.1	3.3
Total	1,459	1.2	1.1	1.2

Total Live Births
103,155
14,146
3,945
2,631
123,877

**Percent Distribution of Very Low Birth Weight
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2015**



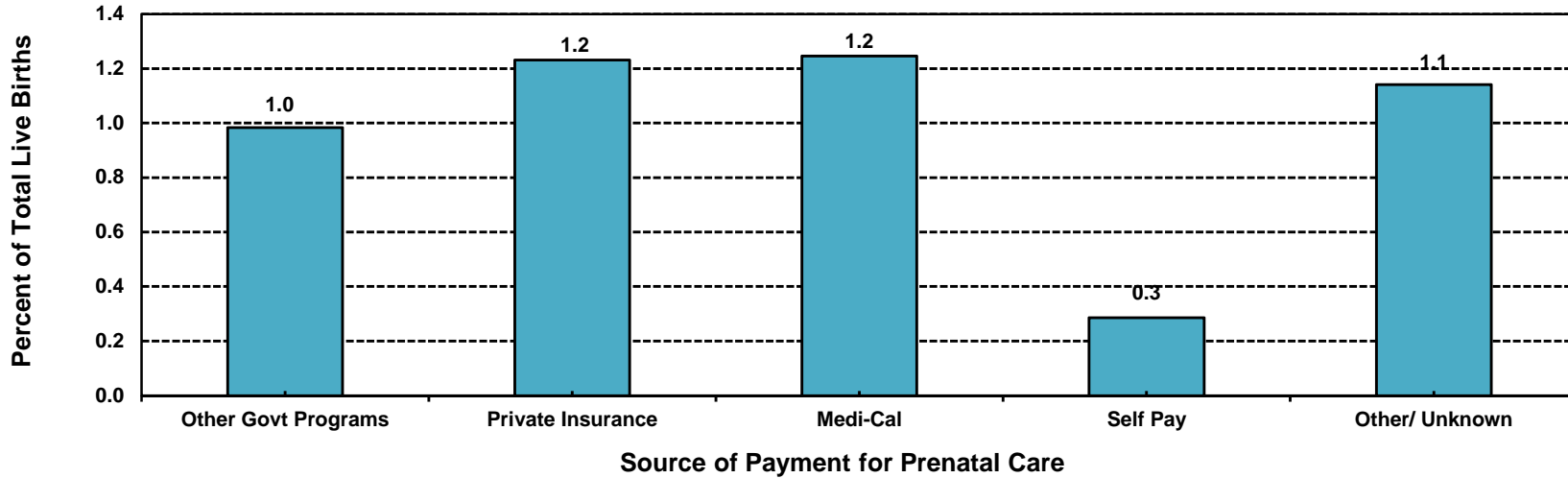
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

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

"Trimester Prenatal Care (PNC) Began" excludes women who did not receive prenatal care (n=630) and the prenatal care experiences of all women whose pregnancies did not result in a live birth.

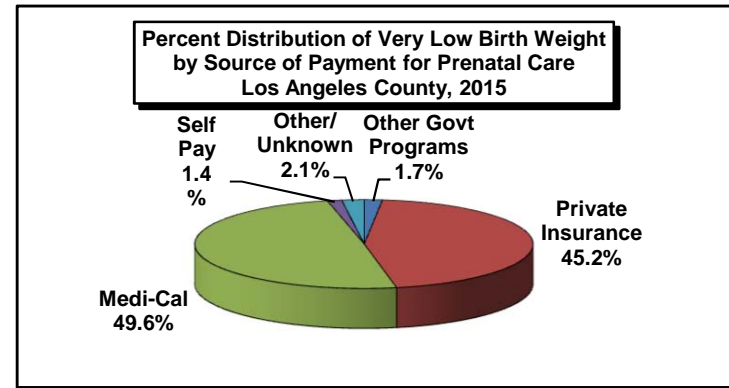
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2015**



Los Angeles County, 2015				
Source of Payment for Prenatal Care	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
Other Govt Programs	25	1.0	0.6	1.4
Private Insurance	660	1.2	1.1	1.3
Medi-Cal	723	1.2	1.2	1.3
Self Pay	20	0.3	0.2	0.4
Other/ Unknown	31	1.1	0.7	1.5
Total	1,459	1.2	1.1	1.2

Total Live Births
2,544
53,609
58,009
6,997
2,717
123,876



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

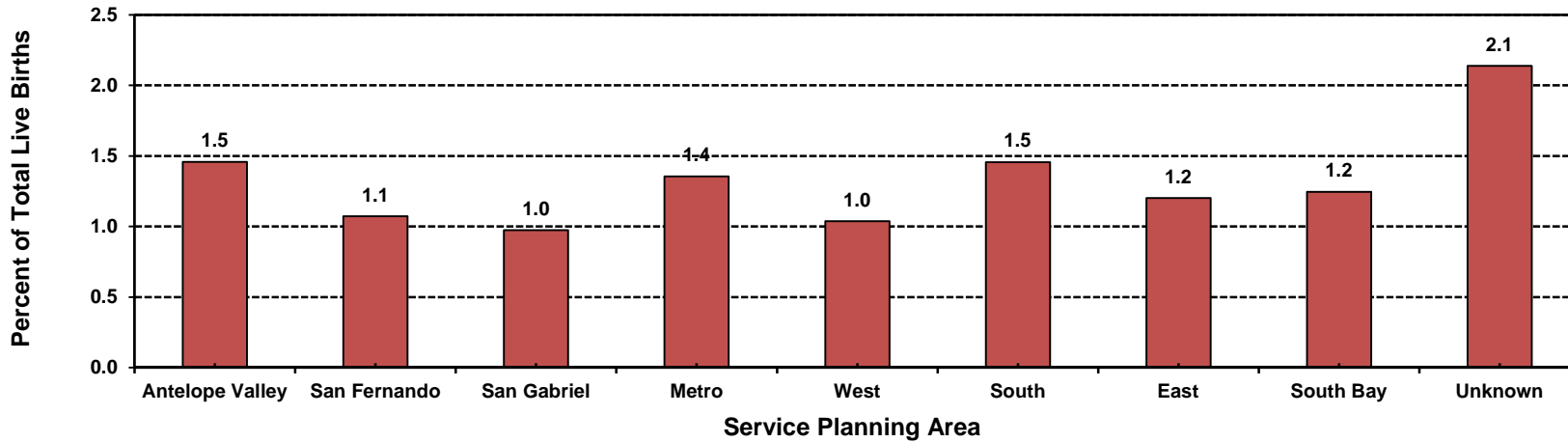
Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

"Source of Payment for Prenatal Care (PNC)" excludes women who did not receive prenatal care (n=630) and the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Live births missing source of payment are excluded from this analysis (missing = 1).

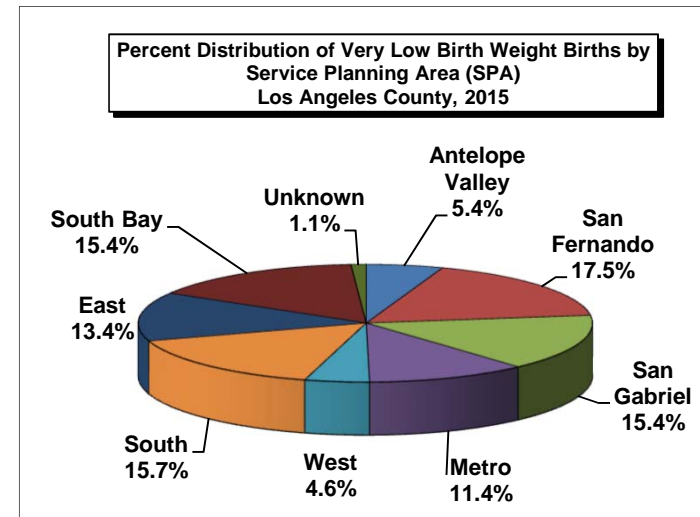
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

**Very Low Birth Weight as Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2015**



Los Angeles County, 2015				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	81	1.5	1.1	1.8
San Fernando	260	1.1	0.9	1.2
San Gabriel	230	1.0	0.8	1.1
Metro	170	1.4	1.2	1.6
West	68	1.0	0.8	1.3
South	234	1.5	1.3	1.6
East	200	1.2	1.0	1.4
South Bay	230	1.2	1.1	1.4
Unknown	16	2.1	1.1	3.2
Total	1,489	1.2	1.1	1.3

Total Live Births
5,558
24,263
23,630
12,550
6,555
16,069
16,652
18,482
748
124,507



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 Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.