

# **Low Birthweight**

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Percent of Low Birthweight

**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 birthweight births to an incidence of no more than 7.8 percent of live births.  
 (Baseline: 8.2 percent in 2007) (Objective MICH-8.1)

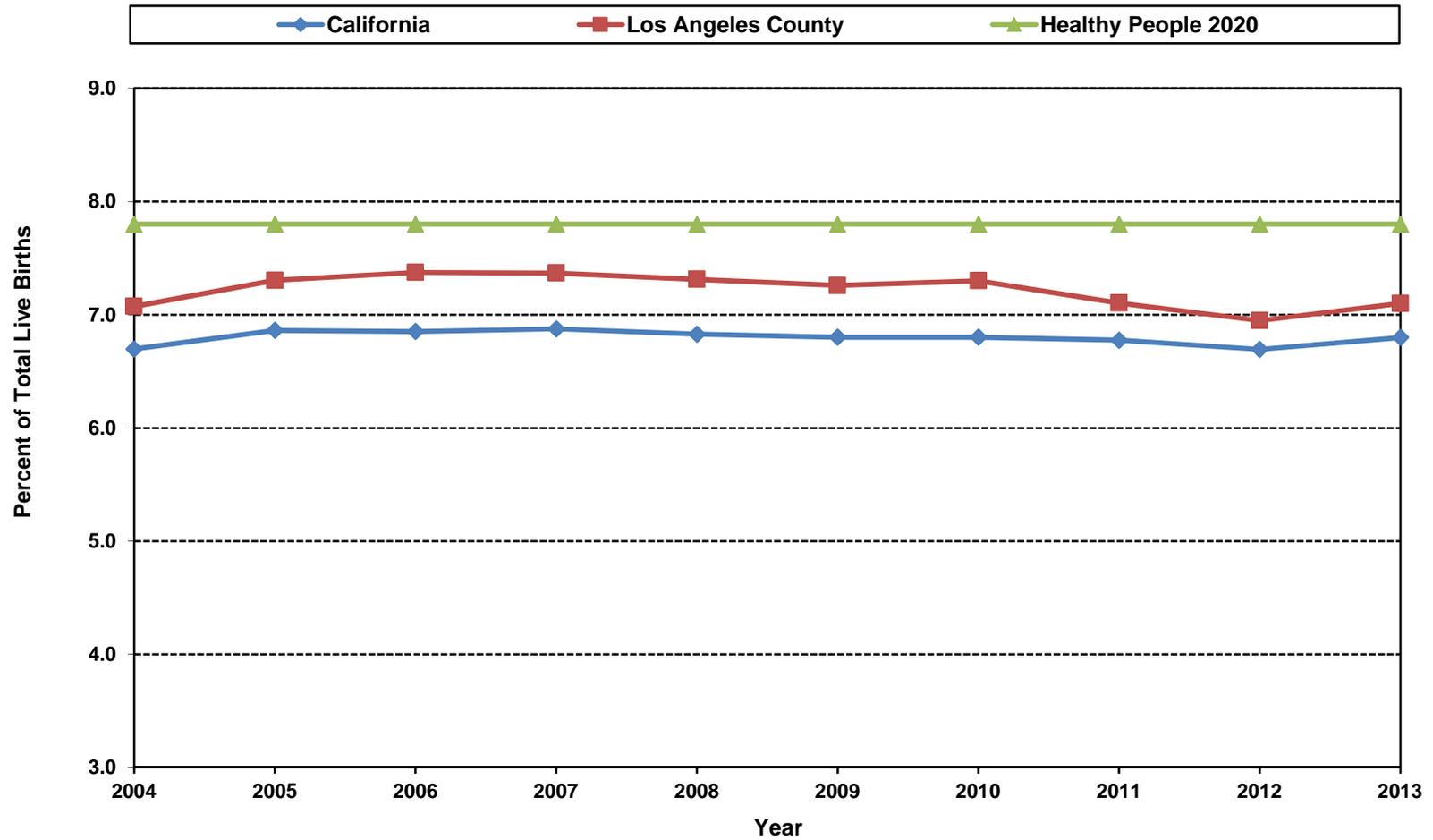
**RISK FACTORS:** Young or old maternal age; low income; low maternal education level; race/ethnicity (African American, Puerto Rican, Southeast Asian); high parity; short interpregnancy level; multiple gestation; unintended pregnancy; history of low birthweight; poor reproductive history; intrauterine 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 Birthweight		95% Confidence Interval		Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2004	36,481	6.7	6.6	6.8	10,717	7.1	6.9	7.2
2005	37,653	6.9	6.8	6.9	10,984	7.3	7.2	7.4
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

Denominator: Live Births		
Year	California	LA County
2004	544,685	151,504
2005	548,700	150,377
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

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2004-2013.

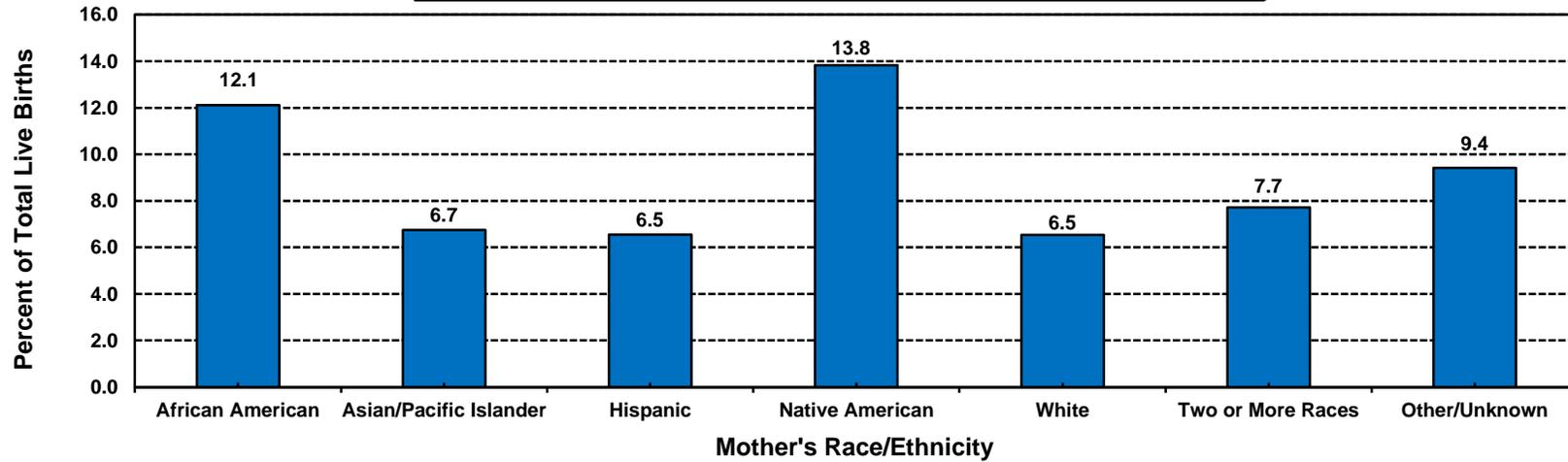
**Percent of Low Birthweight  
California vs. Los Angeles County, 2004-2013**



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

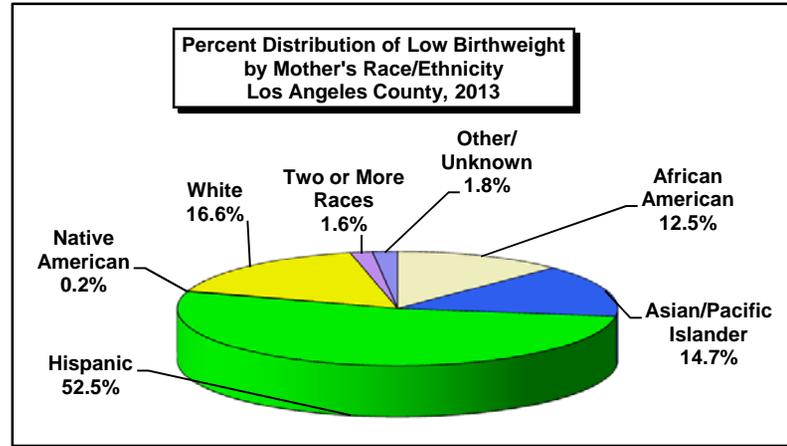
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2004-2013.

**Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Race/Ethnicity  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	1,129	12.1	11.5	12.8
Asian/Pacific Islander	1,331	6.7	6.4	7.1
Hispanic	4,757	6.5	6.4	6.7
Native American	22	13.8	8.5	19.2
White	1,505	6.5	6.2	6.9
Two or More Races	148	7.7	6.5	8.9
Other/Unknown	166	9.4	8.1	10.8
<b>Total</b>	<b>9,058</b>	<b>7.0</b>	<b>6.9</b>	<b>7.2</b>

Total Live Births
9,319
19,720
72,645
159
23,002
1,919
1,762
<b>128,526</b>



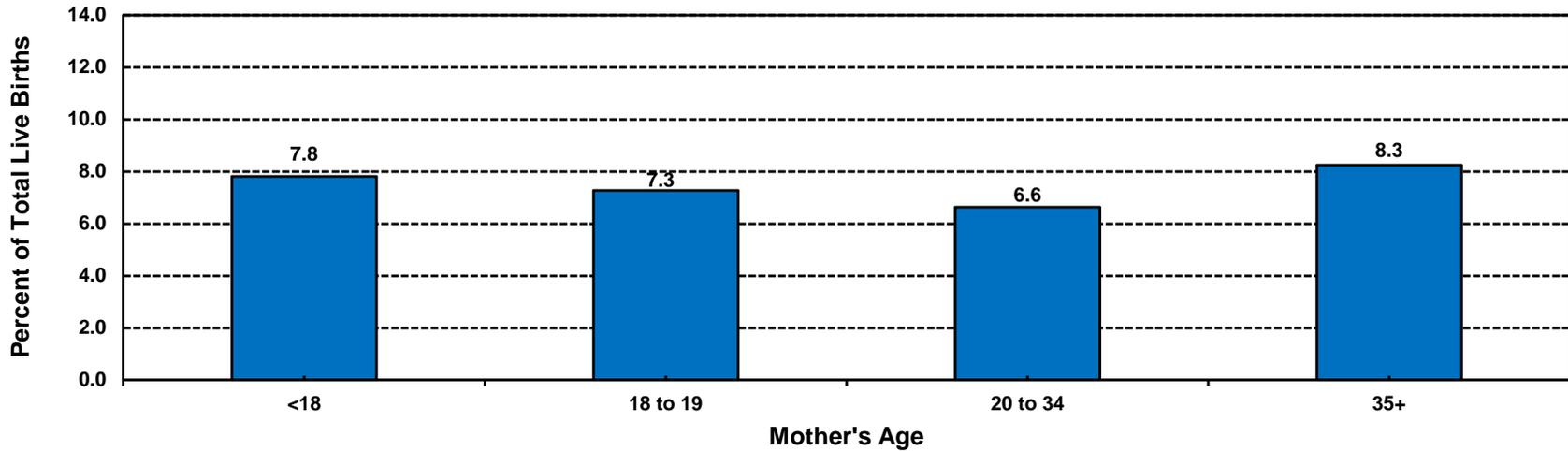
Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.

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

Racial/ethnic categorization has been revised in this report; data from previous year reports may not be comparable.

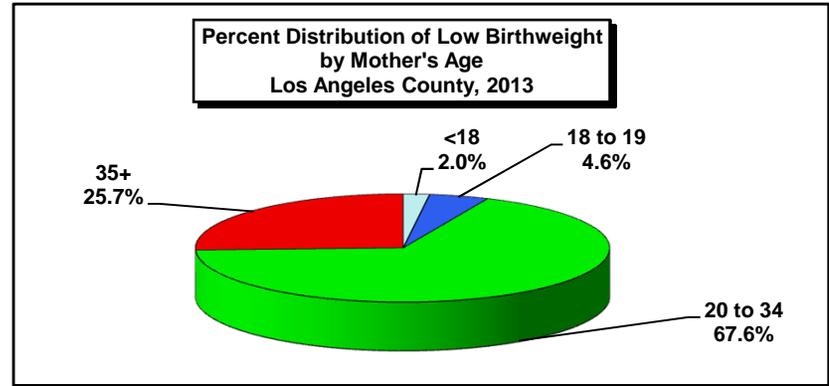
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Age  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	185	7.8	6.7	8.9
18 to 19	421	7.3	6.6	8.0
20 to 34	6,127	6.6	6.5	6.8
35+	2,325	8.3	7.9	8.6
<b>Total</b>	<b>9,058</b>	<b>7.0</b>	<b>6.9</b>	<b>7.2</b>

Total Live Births
2,365
5,782
92,205
28,163
<b>128,526</b>

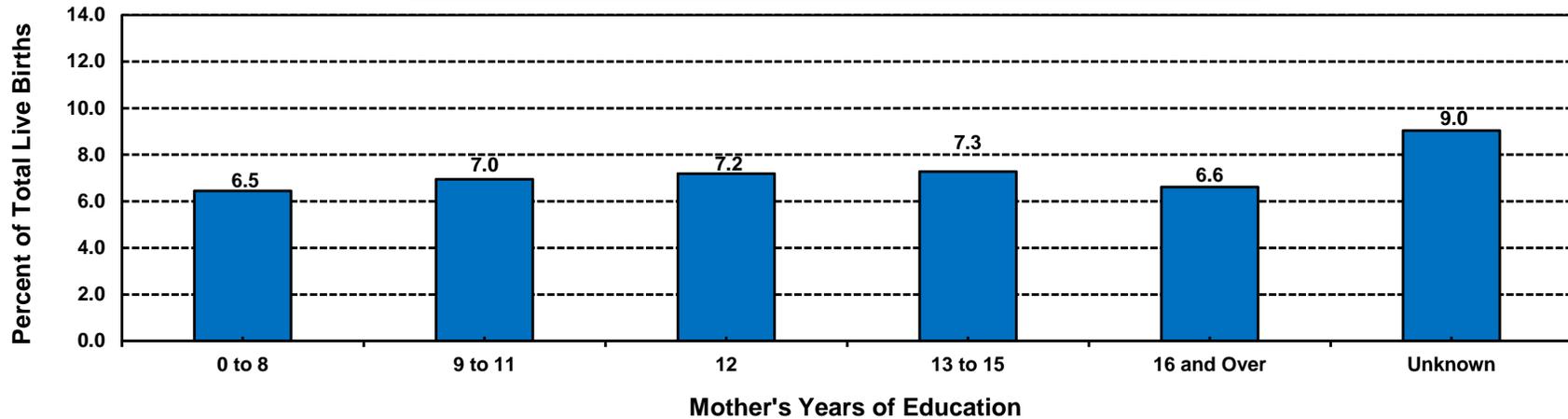


Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.

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

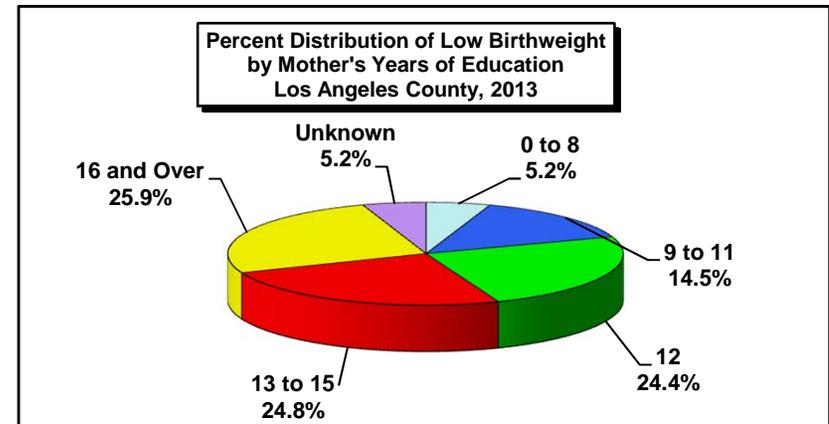
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Years of Education  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	474	6.5	5.9	7.0
9 to 11	1,309	7.0	6.6	7.3
12	2,209	7.2	6.9	7.5
13 to 15	2,250	7.3	7.0	7.6
16 and Over	2,348	6.6	6.4	6.9
Unknown	468	9.0	8.3	9.8
<b>Total</b>	<b>9,058</b>	<b>7.0</b>	<b>6.9</b>	<b>7.2</b>

Total Live Births
7,345
18,833
30,726
30,932
35,514
5,176
<b>128,526</b>

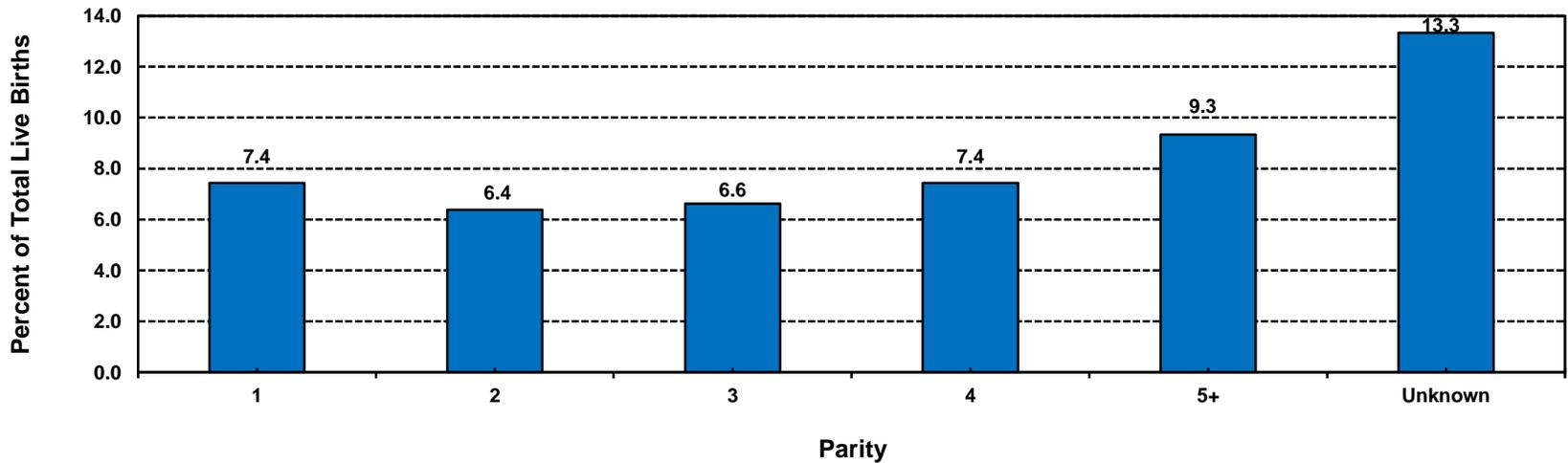


Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.

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

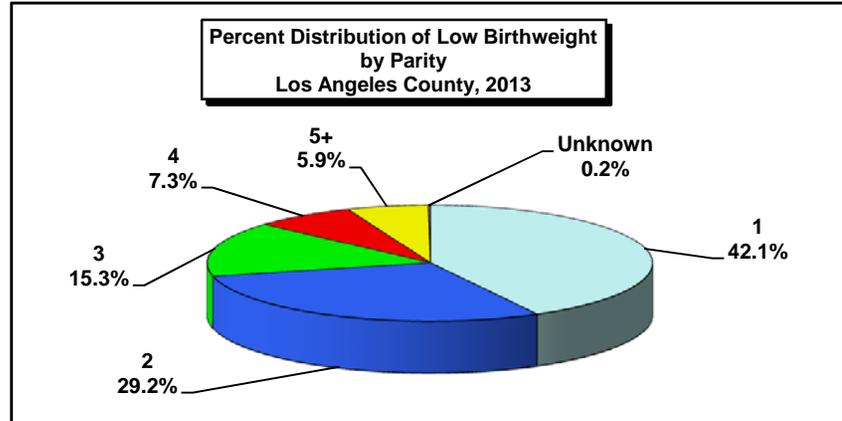
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Low Birthweight Live Births, as Percent of Total Live Births  
by Parity  
Los Angeles County, 2013**



Los Angeles County, 2013				
Parity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	3,811	7.4	7.2	7.7
2	2,647	6.4	6.1	6.6
3	1,390	6.6	6.3	7.0
4	663	7.4	6.9	8.0
5+	533	9.3	8.6	10.1
Unknown	14	13.3	6.8	19.8
<b>Total</b>	<b>9,058</b>	<b>7.0</b>	<b>6.9</b>	<b>7.2</b>

Total Live Births
51,310
41,474
21,014
8,914
5,709
105
<b>128,526</b>



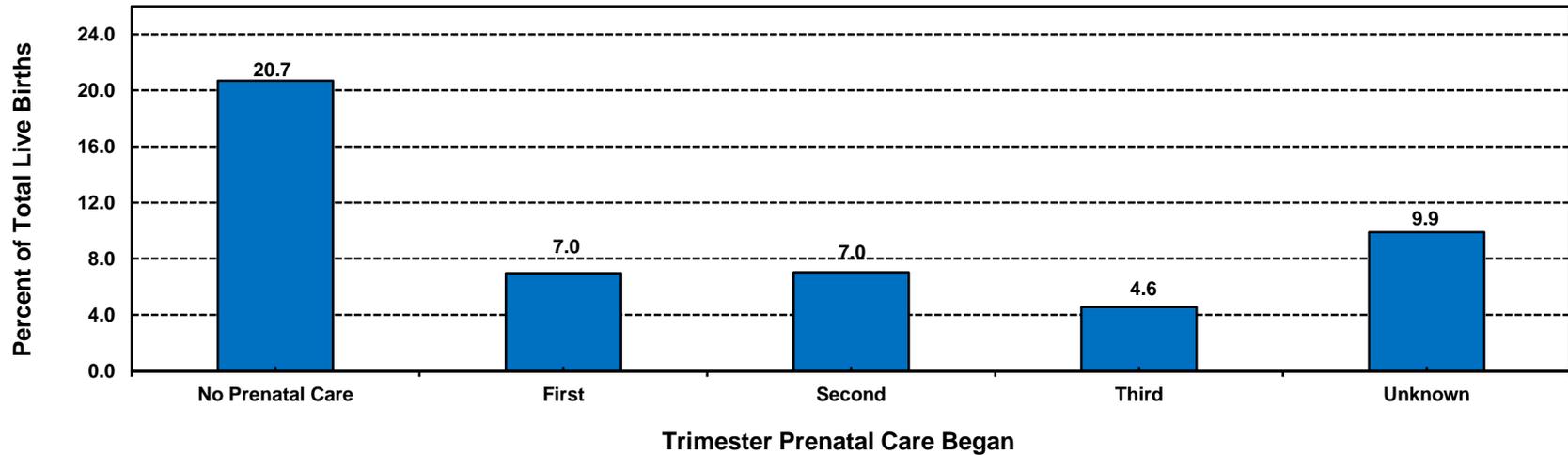
Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.

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

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

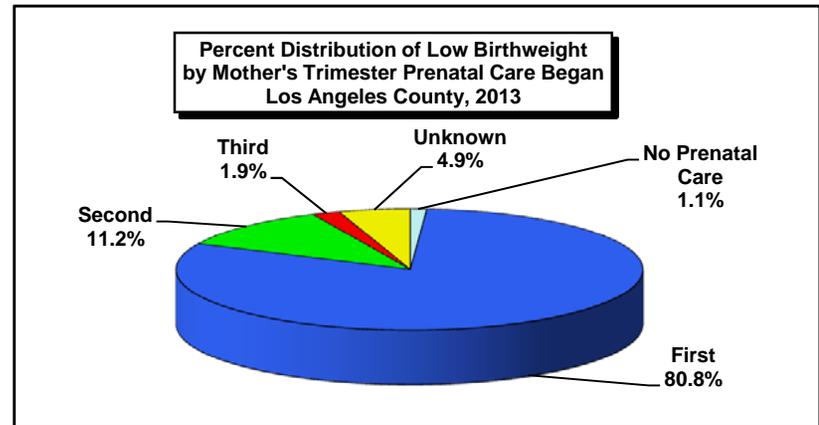
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Trimester Prenatal Care (PNC) Began  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	102	20.7	17.1	24.3
First	7,321	7.0	6.8	7.1
Second	1,015	7.0	6.6	7.4
Third	174	4.6	3.9	5.2
Unknown	446	9.9	9.0	10.8
<b>Total</b>	<b>9,058</b>	<b>7.0</b>	<b>6.9</b>	<b>7.2</b>

Total Live Births
493
105,259
14,438
3,822
4,514
<b>128,526</b>



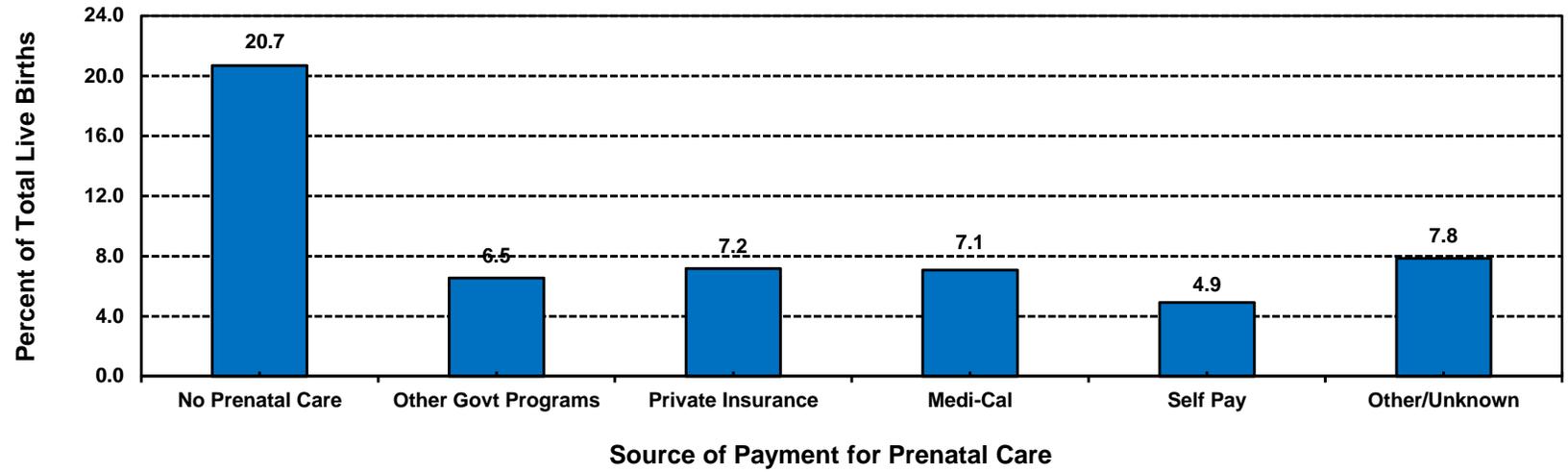
Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.

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

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

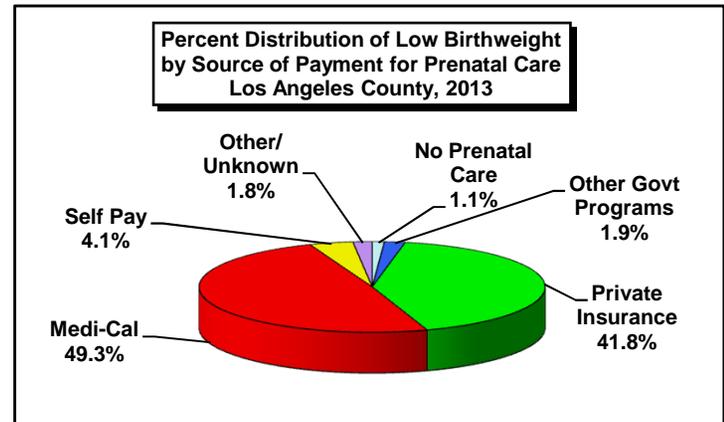
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Low Birthweight Live Births, as Percent of Total Live Births  
by Source of Payment for Prenatal Care (PNC)  
Los Angeles County, 2013**



Los Angeles County, 2013				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	102	20.7	17.1	24.3
Other Govt Programs	175	6.5	5.6	7.5
Private Insurance	3,788	7.2	7.0	7.4
Medi-Cal	4,462	7.1	6.9	7.3
Self Pay	369	4.9	4.4	5.4
Other/Unknown	162	7.8	6.7	9.0
<b>Total</b>	<b>9,058</b>	<b>7.0</b>	<b>6.9</b>	<b>7.2</b>

Total Live Births
493
2,675
52,737
63,052
7,505
2,064
<b>128,526</b>

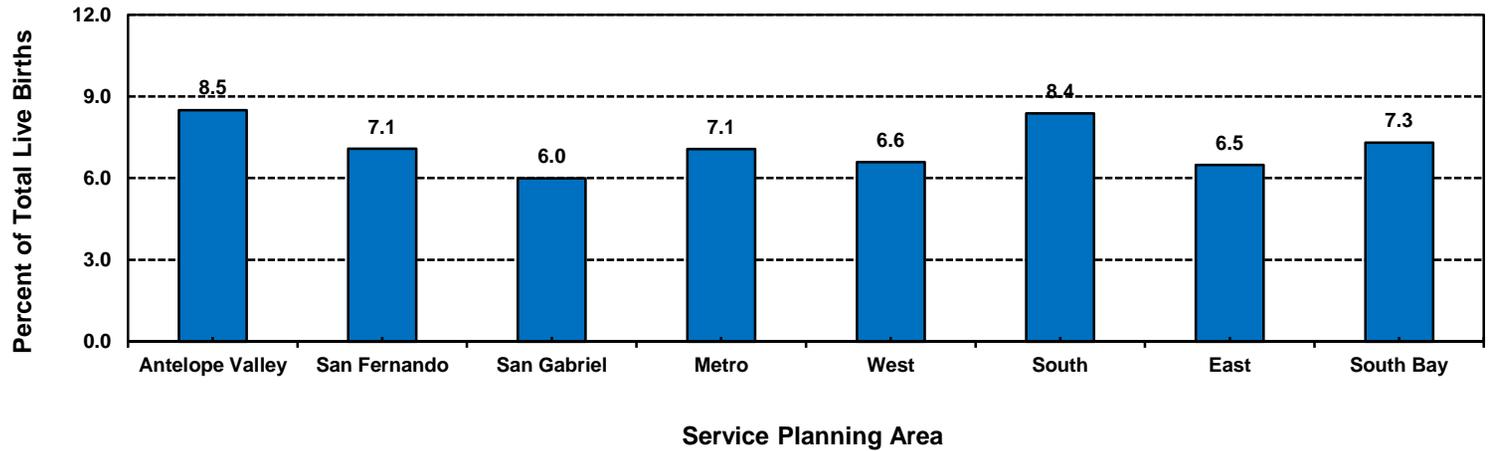


Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.

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

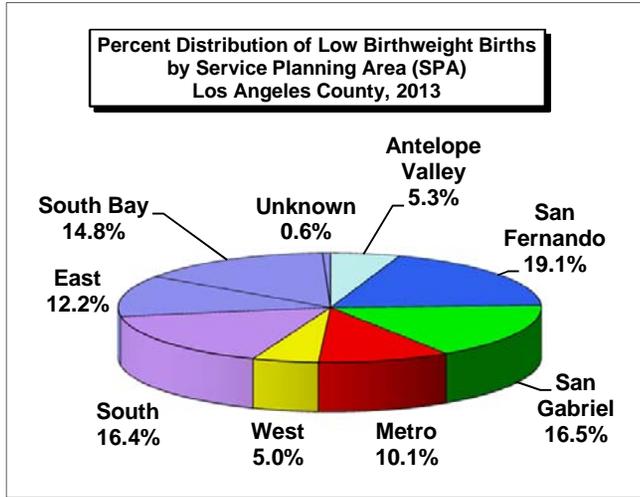
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Low Birthweight as Percent of Total Live Births  
by Service Planning Area (SPA)  
Los Angeles County, 2013**



Los Angeles County, 2013				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	477	8.5	7.8	9.2
San Fernando	1,729	7.1	6.8	7.4
San Gabriel	1,491	6.0	5.7	6.3
Metro	914	7.1	6.6	7.5
West	455	6.6	6.0	7.2
South	1,487	8.4	8.0	8.8
East	1,107	6.5	6.1	6.9
South Bay	1,343	7.3	6.9	7.7
Unknown	55	10.5	7.8	13.1
<b>Total</b>	<b>9,058</b>	<b>7.0</b>	<b>6.9</b>	<b>7.2</b>

Total Live Births
5,613
24,443
24,888
12,942
6,908
17,742
17,076
18,388
526
<b>128,526</b>

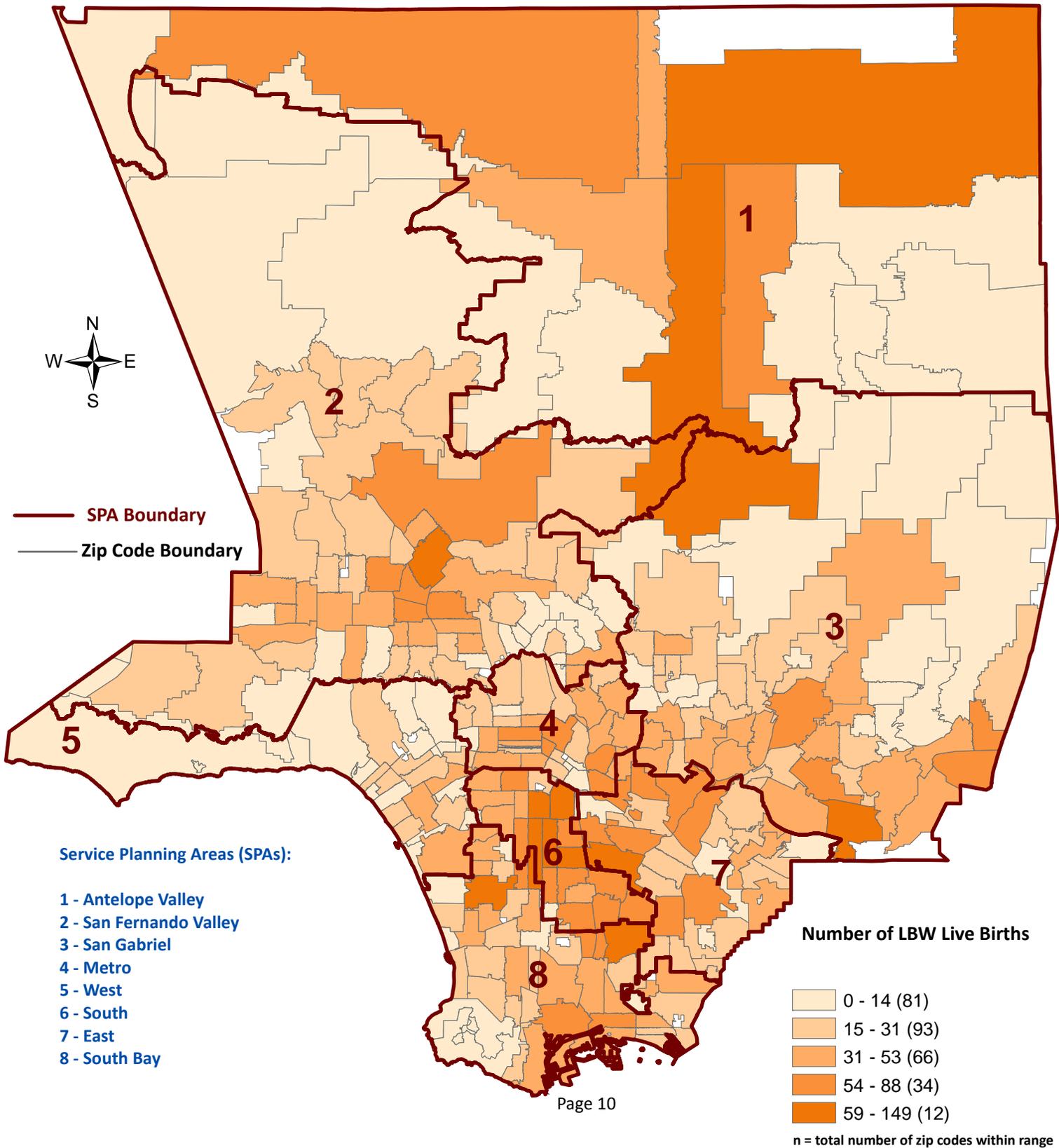


Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.

Note: Low birthweight 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, 2013.

**Los Angeles County - Department of Public Health  
 Number of Low Birthweight (LBW) Live Births by Zip Code\* and Service Planning Area (SPA)  
 Los Angeles County, 2013**



\*Los Angeles County zip code boundaries as of 2010

Total number of live births in Los Angeles County, 2013 = 128,526

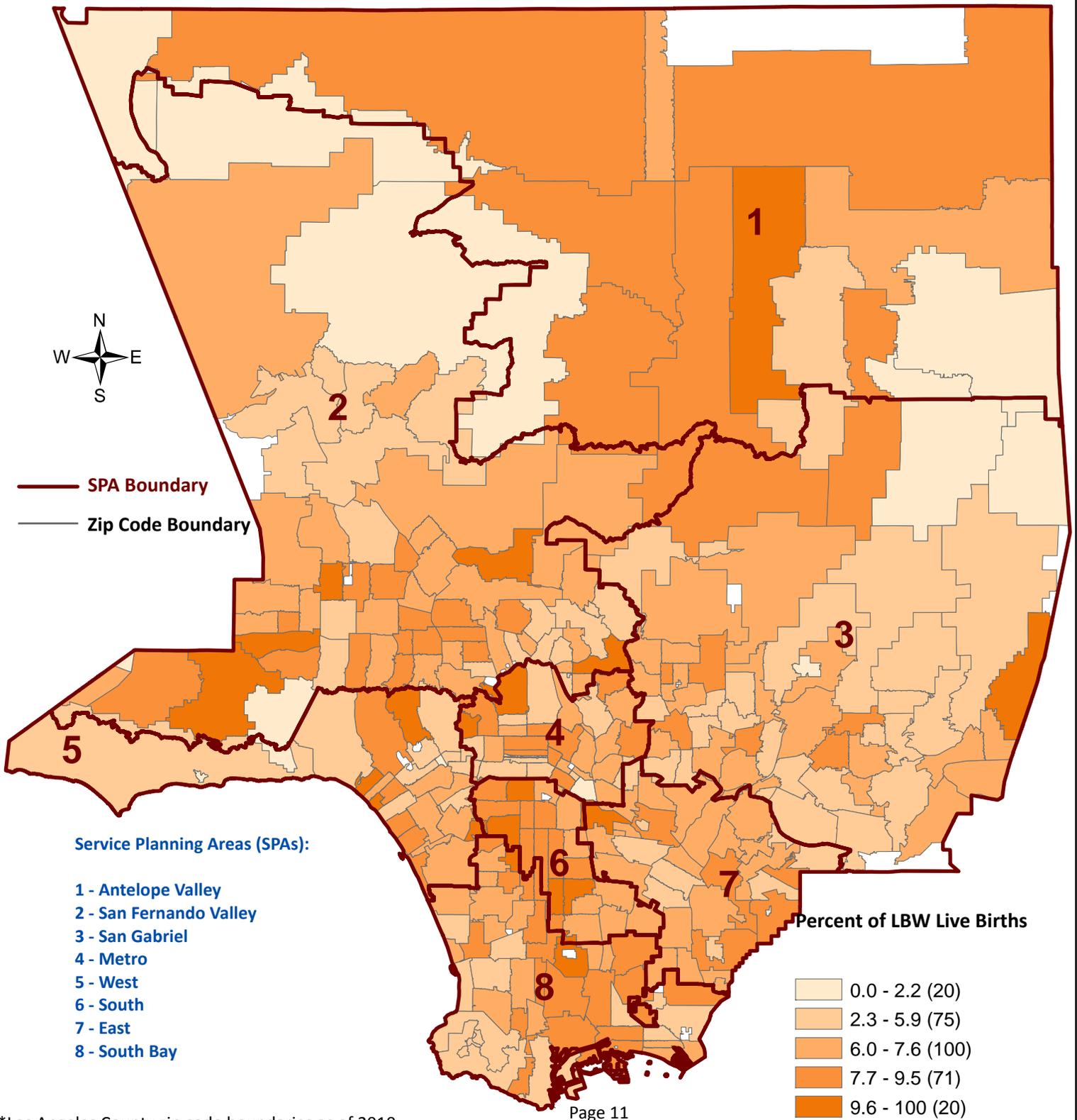
Total number of low birthweight live births in Los Angeles County, 2013 = 9,058

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

Zip code 90704 (Catalina Island) is not included. Total number of low birthweight live births in 90704, 2013 = 0

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Los Angeles County - Department of Public Health**  
**Percent of Low Birthweight (LBW) Live Births by Zip Code\* and Service Planning Area (SPA)**  
**Los Angeles County, 2013**



\*Los Angeles County zip code boundaries as of 2010  
 Total number of live births in Los Angeles County, 2013 = 128,526  
 Total number of low birthweight live births in Los Angeles County, 2013 = 9,058  
 Percent of low birthweight live births per 100 live births in Los Angeles County, 2013 = 7.0  
 Year 2020 Objective: Reduce low birthweight births to an incidence of no more than 7.8 percent of live births.  
 Note: Percent of low birthweight is defined as birth weight less than 2,500 grams at birth per 100 live births.  
 Zip code 90704 (Catalina Island) is not included. Percent of low birthweight live births in 90704, 2013 = 0  
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Very Low Birthweight**

**TITLE V INDICATOR TEMPLATE**

**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 birthweight 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)

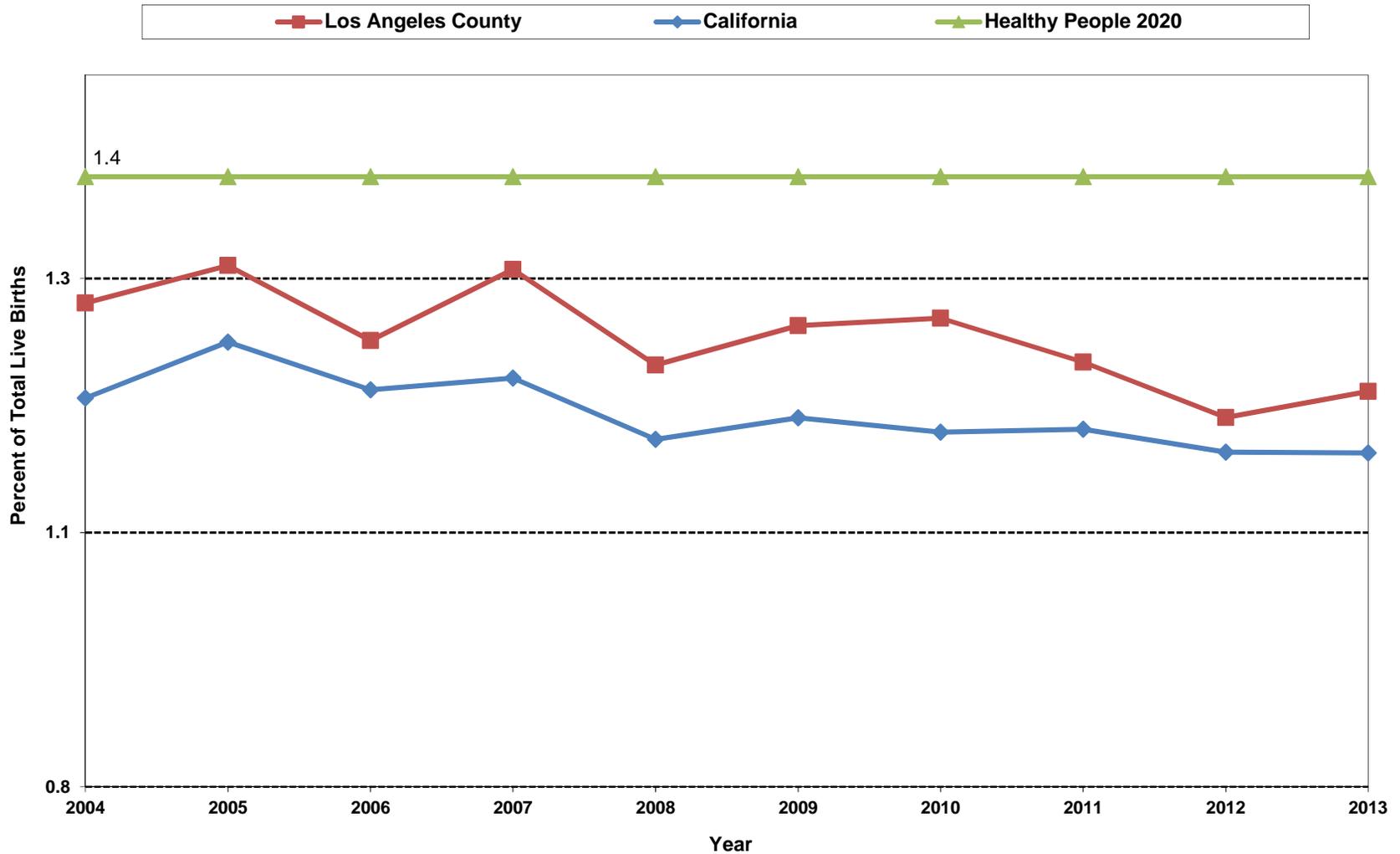
See also risk factors for low birthweight

Year	California				Los Angeles County			
	Very Low Birthweight		95% Confidence Interval		Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2004	6,440	1.2	1.2	1.2	1,933	1.3	1.2	1.3
2005	6,790	1.2	1.2	1.3	1,974	1.3	1.3	1.4
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

Denominator: Live Births		
Year	California	LA County
2004	544,685	151,504
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813
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2012	503,788	131,697
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Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2004-2013.

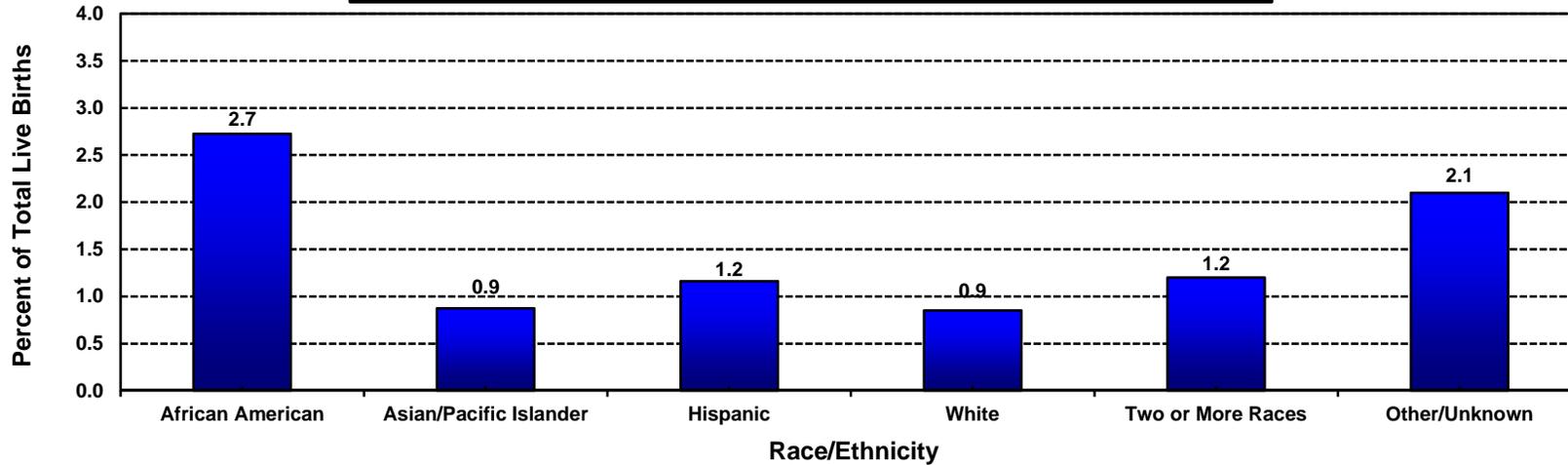
### Percent of Very Low Birthweight California vs. Los Angeles County, 2004-2013



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

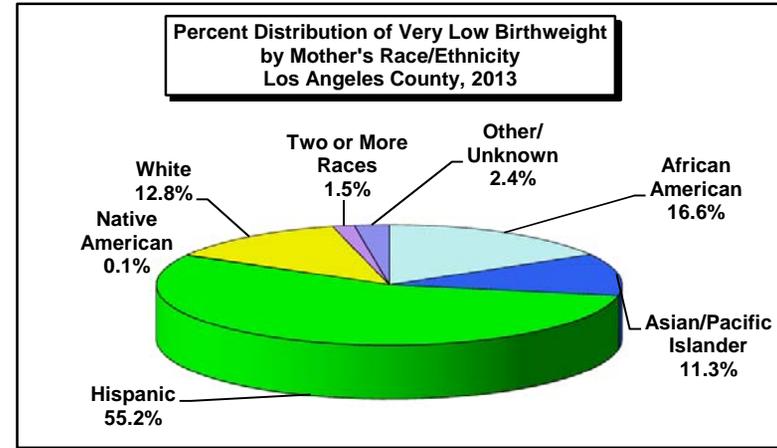
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2004-2013.

**Very Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Race/Ethnicity  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Race/Ethnicity	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	254	2.7	2.4	3.1
Asian/Pacific Islander	172	0.9	0.7	1.0
Hispanic	844	1.2	1.1	1.2
Native American	<5	N/C	N/C	N/C
White	196	0.9	0.7	1.0
Two or More Races	23	1.2	0.7	1.7
Other/Unknown	37	2.1	1.4	2.8
<b>Total</b>	<b>1,528</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>

Total Live Births
9,319
19,720
72,645
159
23,002
1,919
1,762
<b>128,526</b>



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

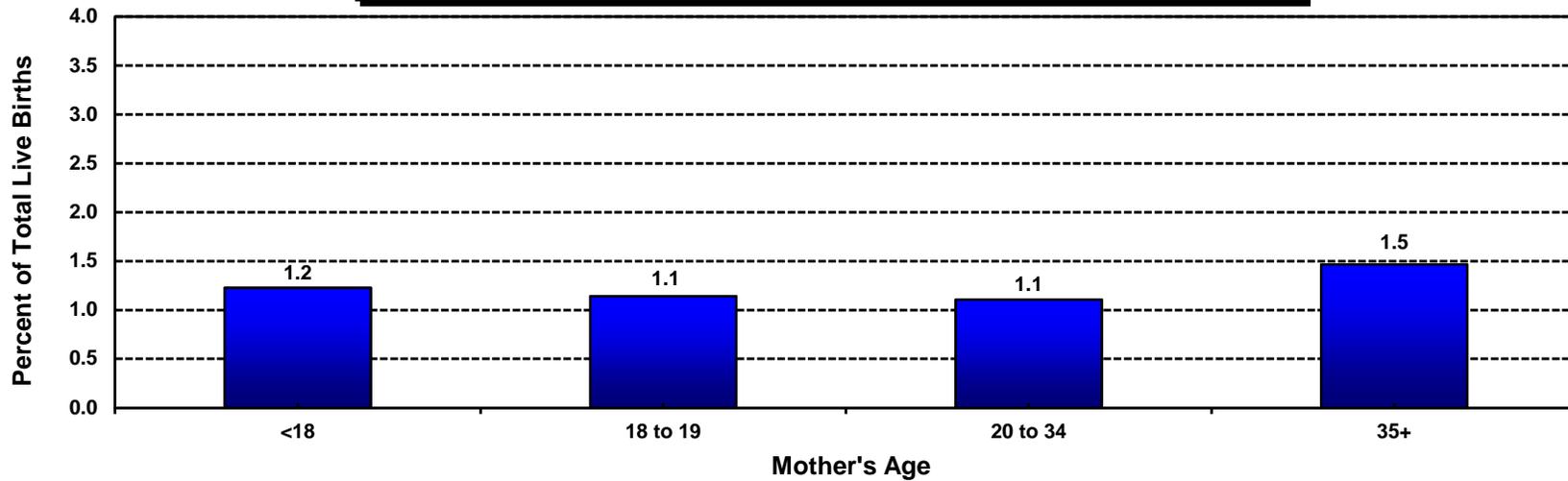
Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

Racial/ethnic categorization has been revised in this report; data from previous year reports may not be comparable.

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, 2013.

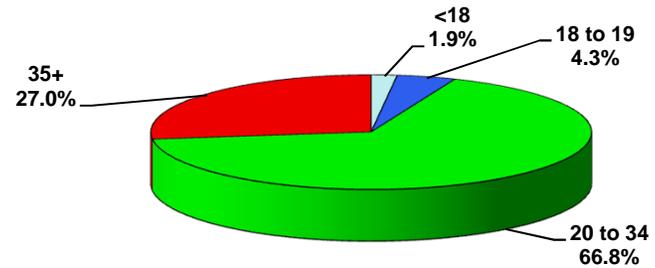
**Very Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Age  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Age	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	29	1.2	0.8	1.7
18 to 19	66	1.1	0.9	1.4
20 to 34	1,020	1.1	1.0	1.2
35+	413	1.5	1.3	1.6
Other/Unknown	<5	N/C	N/C	N/C
<b>Total</b>	<b>1,528</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>

Total Live Births
2,365
5,782
92,205
28,163
11
128,526

**Percent Distribution of Very Low Birthweight  
by Mother's Age  
Los Angeles County, 2013**



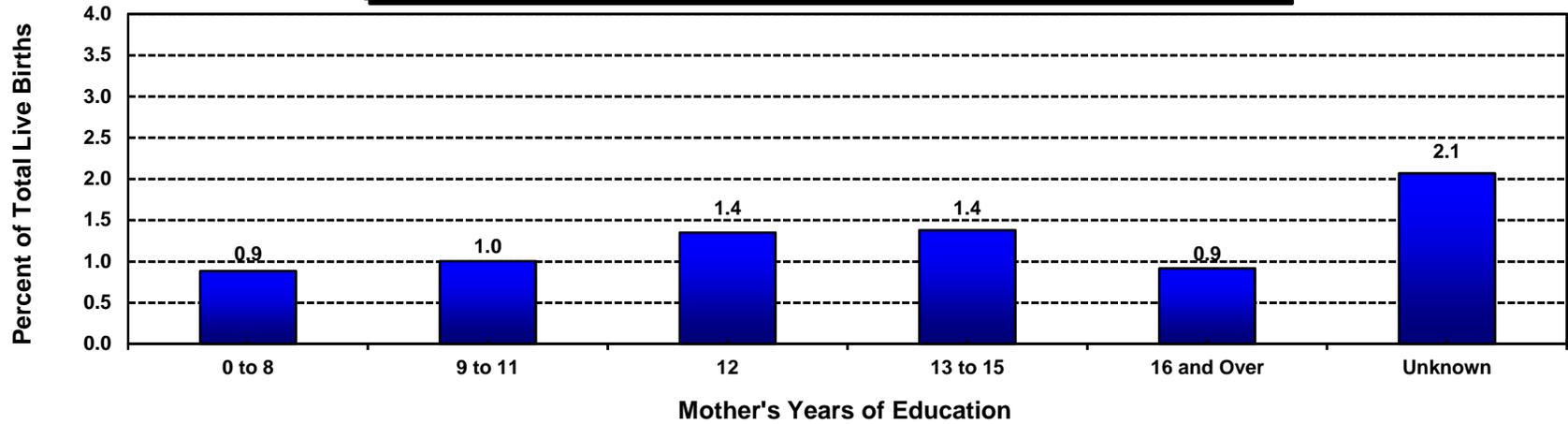
Year 2020 Objective: Reduce very low birthweight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birthweight 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.

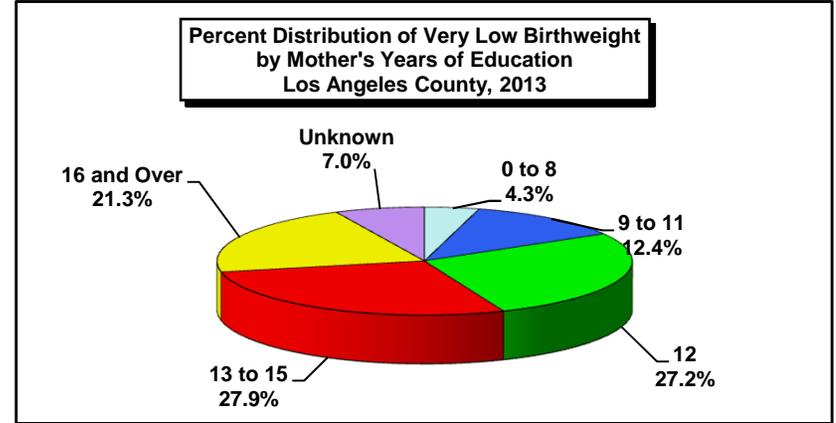
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Very Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Years of Education  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Years of Education	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	65	0.9	0.7	1.1
9 to 11	189	1.0	0.9	1.1
12	415	1.4	1.2	1.5
13 to 15	427	1.4	1.3	1.5
16 and Over	325	0.9	0.8	1.0
Unknown	107	2.1	1.7	2.5
<b>Total</b>	<b>1,528</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>

Total Live Births
7,345
18,833
30,726
30,932
35,514
5,176
<b>128,526</b>

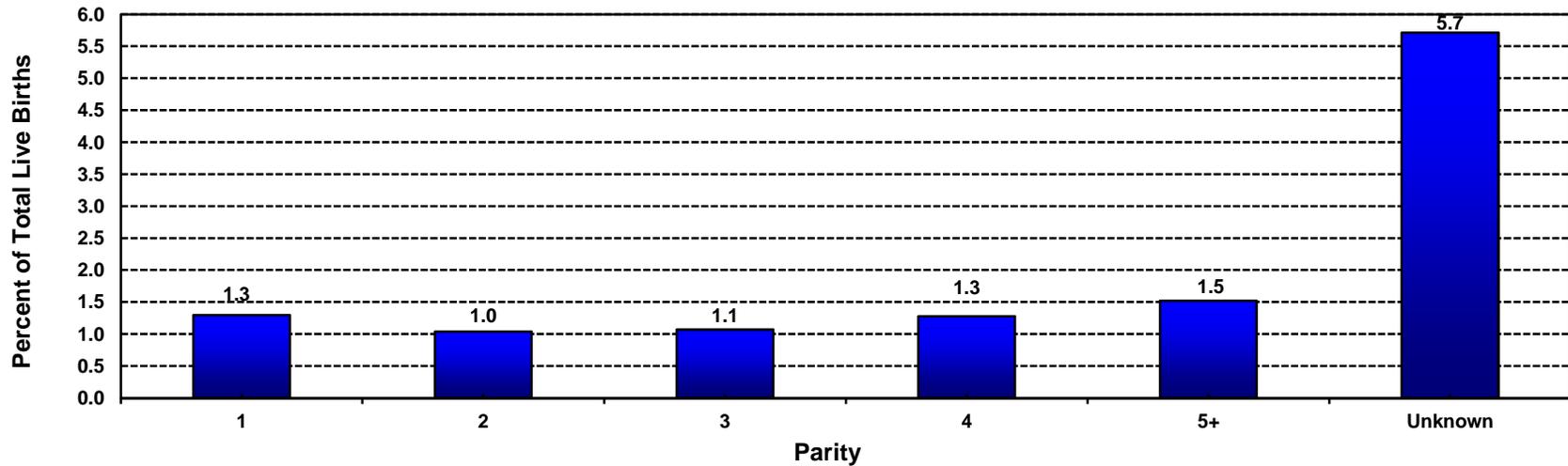


Year 2020 Objective: Reduce very low birthweight births to an incidence of no more than 1.4 percent of live births.

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

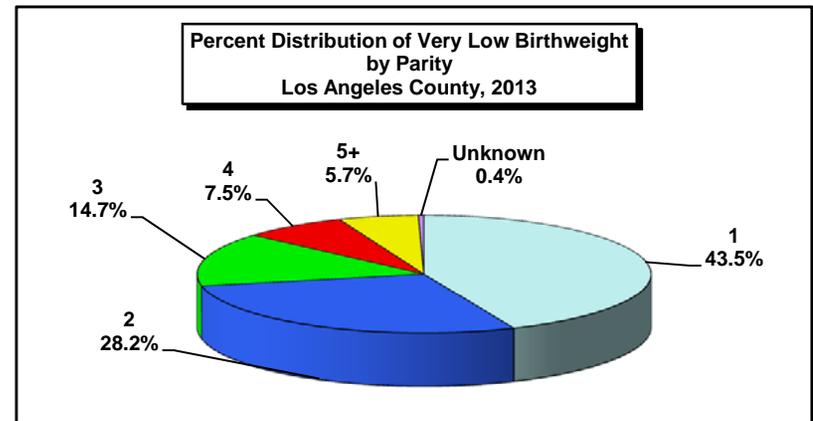
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Very Low Birthweight Live Births, as Percent of Total Live Births  
by Parity  
Los Angeles County, 2013**



Los Angeles County, 2013				
Parity	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	665	1.3	1.2	1.4
2	431	1.0	0.9	1.1
3	225	1.1	0.9	1.2
4	114	1.3	1.0	1.5
5+	87	1.5	1.2	1.8
Unknown	6	5.7	1.3	10.2
<b>Total</b>	<b>1,528</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>

Total Live Births
51,310
41,474
21,014
8,914
5,709
105
<b>128,526</b>



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

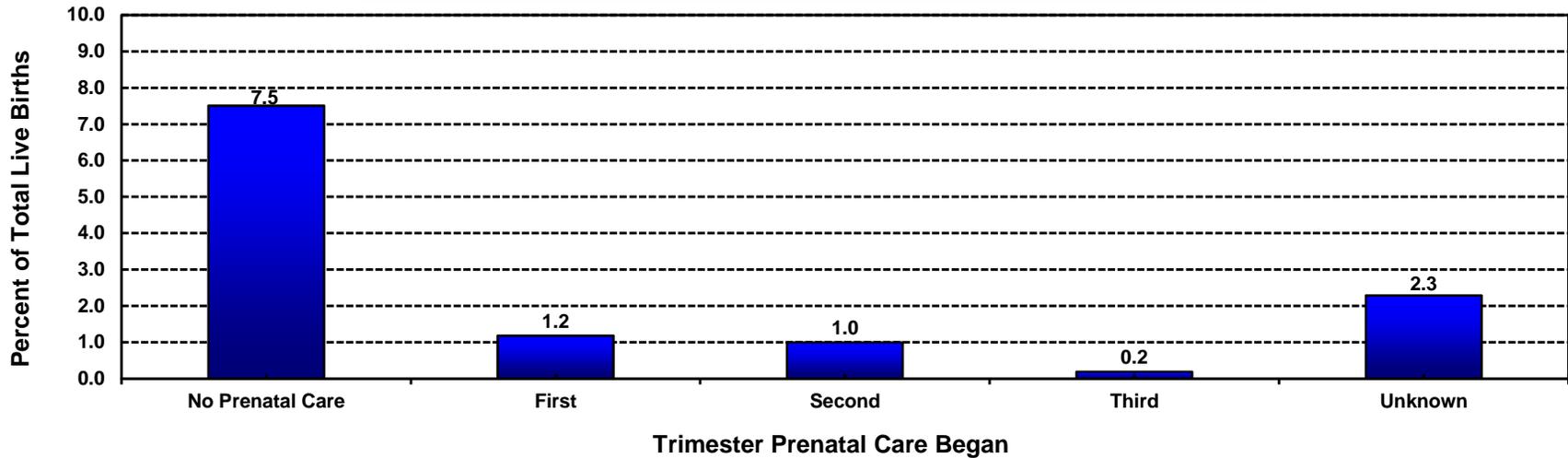
Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

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.

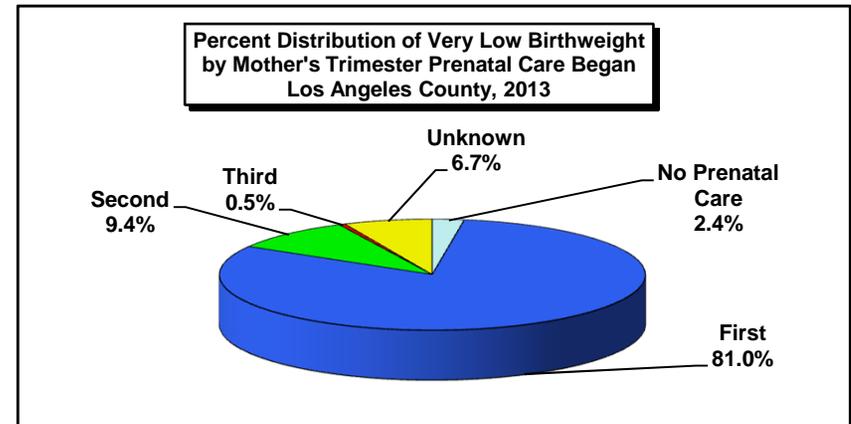
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Very Low Birthweight Live Births, as Percent of Total Live Births  
by Mother's Trimester Prenatal Care (PNC) Began  
Los Angeles County, 2013**



Los Angeles County, 2013				
Mother's Trimester Prenatal Care Began	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	37	7.5	5.2	9.8
First	1,238	1.2	1.1	1.2
Second	143	1.0	0.8	1.2
Third	7	0.2	0.0	0.3
Unknown	103	2.3	1.8	2.7
<b>Total</b>	<b>1,528</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>

Total Live Births
493
105,259
14,438
3,822
4,514
<b>128,526</b>



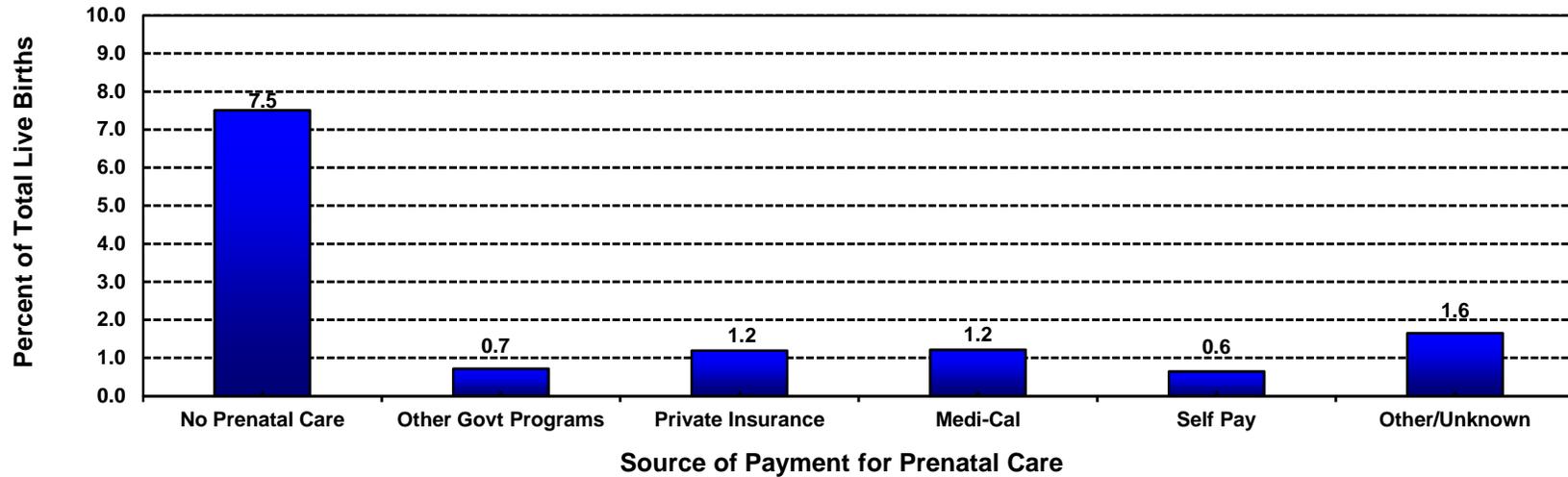
Year 2020 Objective: Reduce very low birthweight births to an incidence of no more than 1.4 percent of live births.

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

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

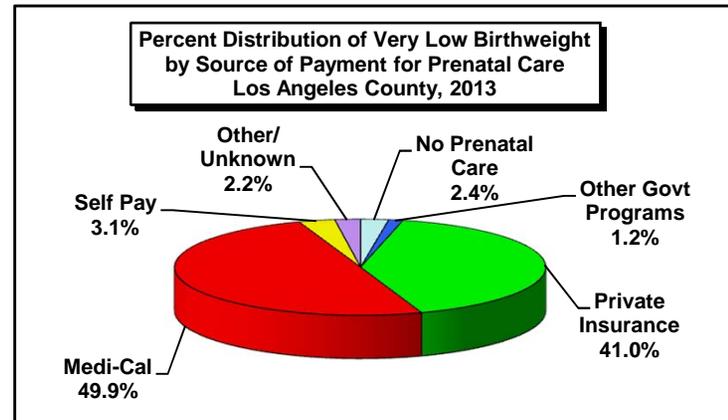
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Very Low Birthweight Live Births, as Percent of Total Live Births  
by Source of Payment for Prenatal Care (PNC)  
Los Angeles County, 2013**



Los Angeles County, 2013				
Source of Payment for Prenatal Care	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	37	7.5	5.2	9.8
Other Govt Programs	19	0.7	0.4	1.0
Private Insurance	627	1.2	1.1	1.3
Medi-Cal	763	1.2	1.1	1.3
Self Pay	48	0.6	0.5	0.8
Other/Unknown	34	1.6	1.1	2.2
<b>Total</b>	<b>1,528</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>

Total Live Births
493
2,675
52,737
63,052
7,505
2,064
<b>128,526</b>

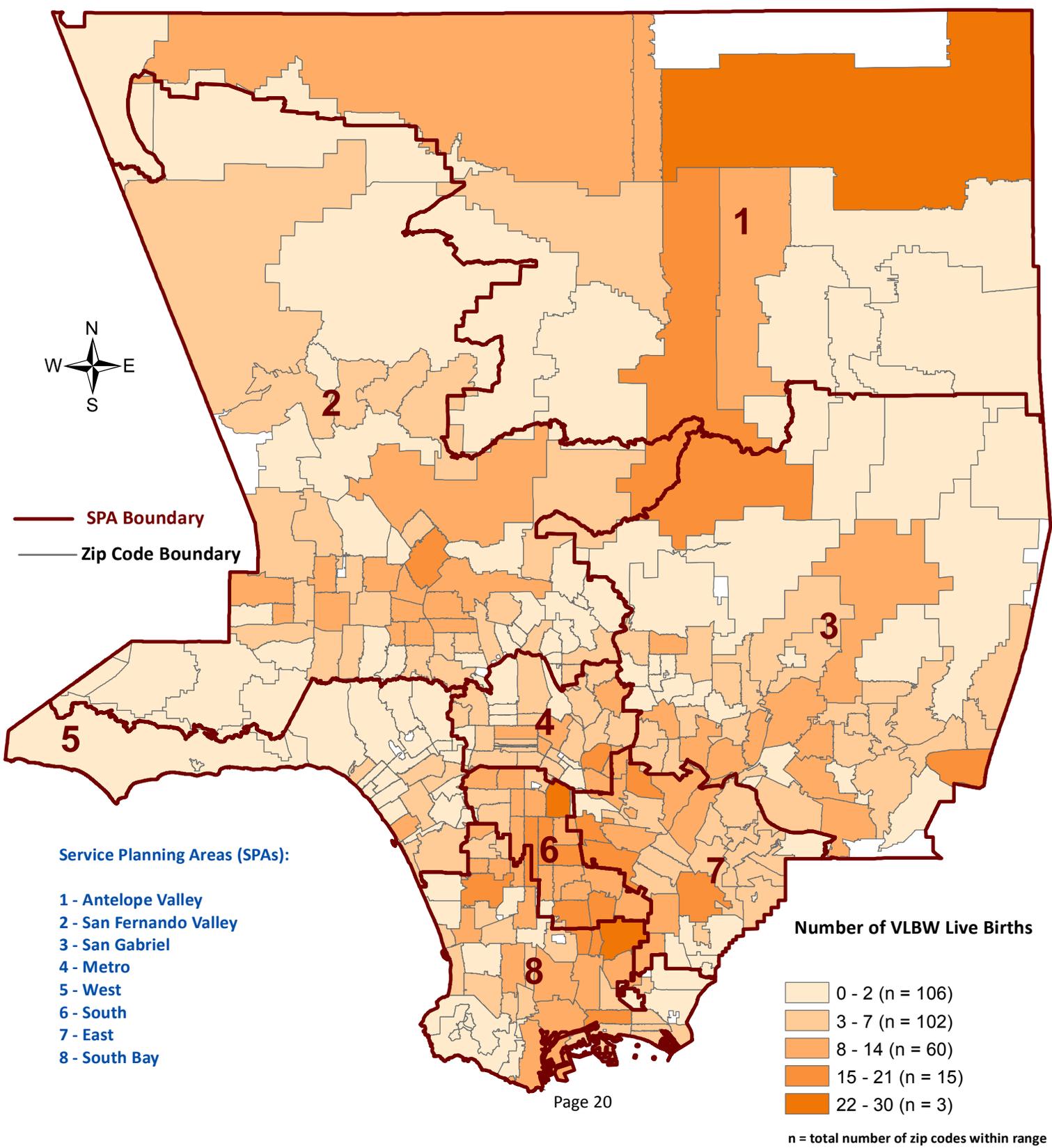


Year 2020 Objective: Reduce very low birthweight births to an incidence of no more than 1.4 percent of live births.

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

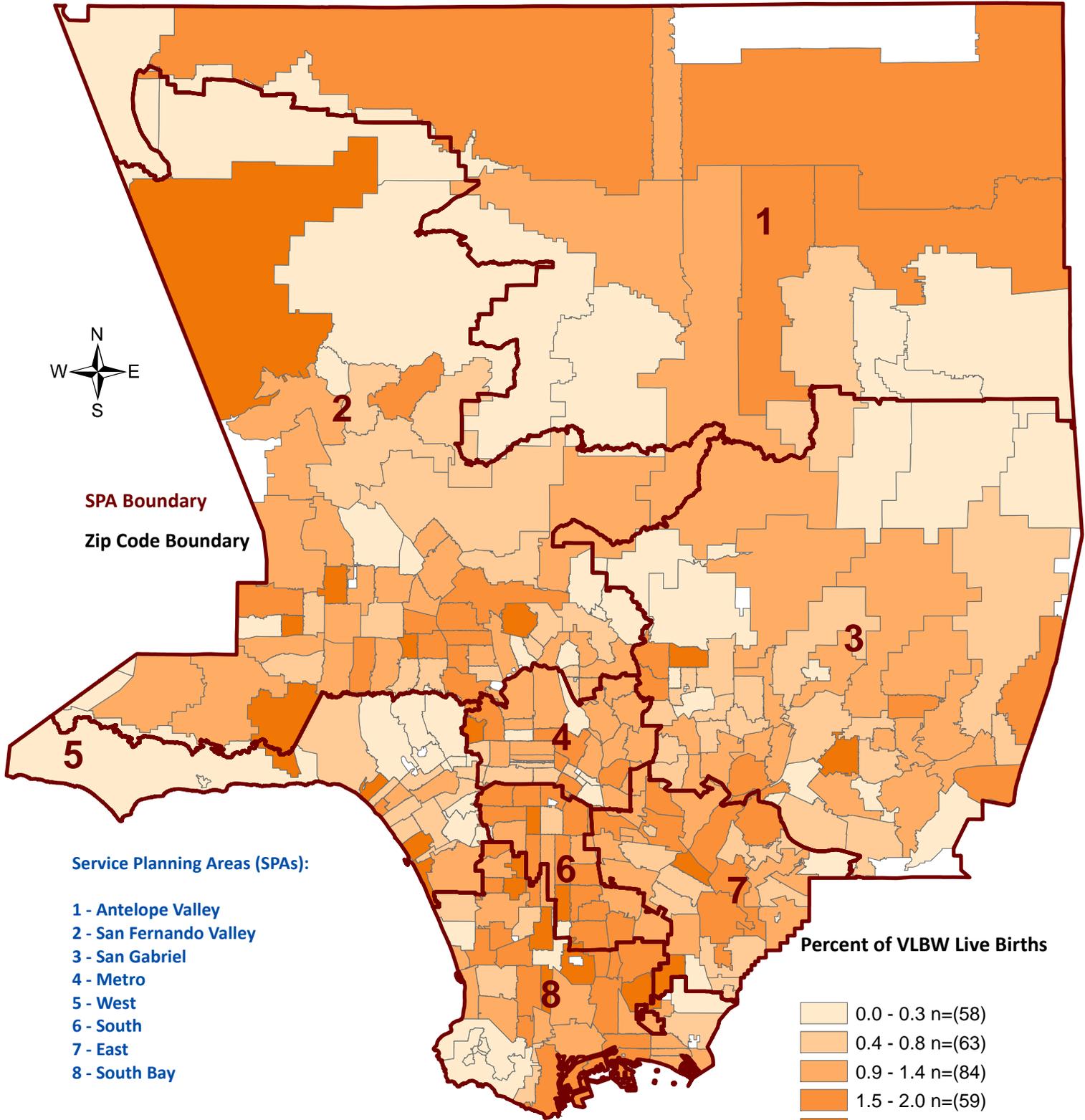
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Los Angeles County - Department of Public Health**  
**Number of Very Low Birthweight (VLBW) Live Births by Zip Code\* and Service Planning Area (SPA)**  
**Los Angeles County, 2013**



\*Los Angeles County zip code boundaries as of 2010  
 Total number of live births in Los Angeles County, 2013 = 128,526  
 Total number of very low birthweight live births in Los Angeles County, 2013 = 1,528  
 Note: Very low birthweight is defined as fetal birth weight less than 1,500 grams at birth.  
 Zip code 90704 (Catalina Island) is not included. Total number of very low birthweight live births in 90704, 2013 = 0  
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.

**Los Angeles County - Department of Public Health**  
**Percent of Very Low Birthweight (VLBW) Live Births by Zip Code\* and Service Planning Area (SPA)**  
**Los Angeles County, 2013**



\*Los Angeles County zip code boundaries as of 2010

Total number of live births in Los Angeles County, 2013 = 128,526

Total number of very low birthweight live births in Los Angeles County, 2013 = 1,528

Percent of very low birthweight live births per 100 live births in Los Angeles County, 2012 = 1.2

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

Note: Percent very low birthweight is defined as fetal birth weight less than 1,500 grams at birth per 100 live births.

Zip code 90704 (Catalina Island) is not included. Percent of very low birthweight live births in 90704, 2013 = 0

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2013.