

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 2010 OBJECTIVE:

Reduce low birthweight births to an incidence of no more than 5 percent of live births.
(Baseline: 7.6 percent in 1998) (Objective 16-10a)

RISK FACTORS:

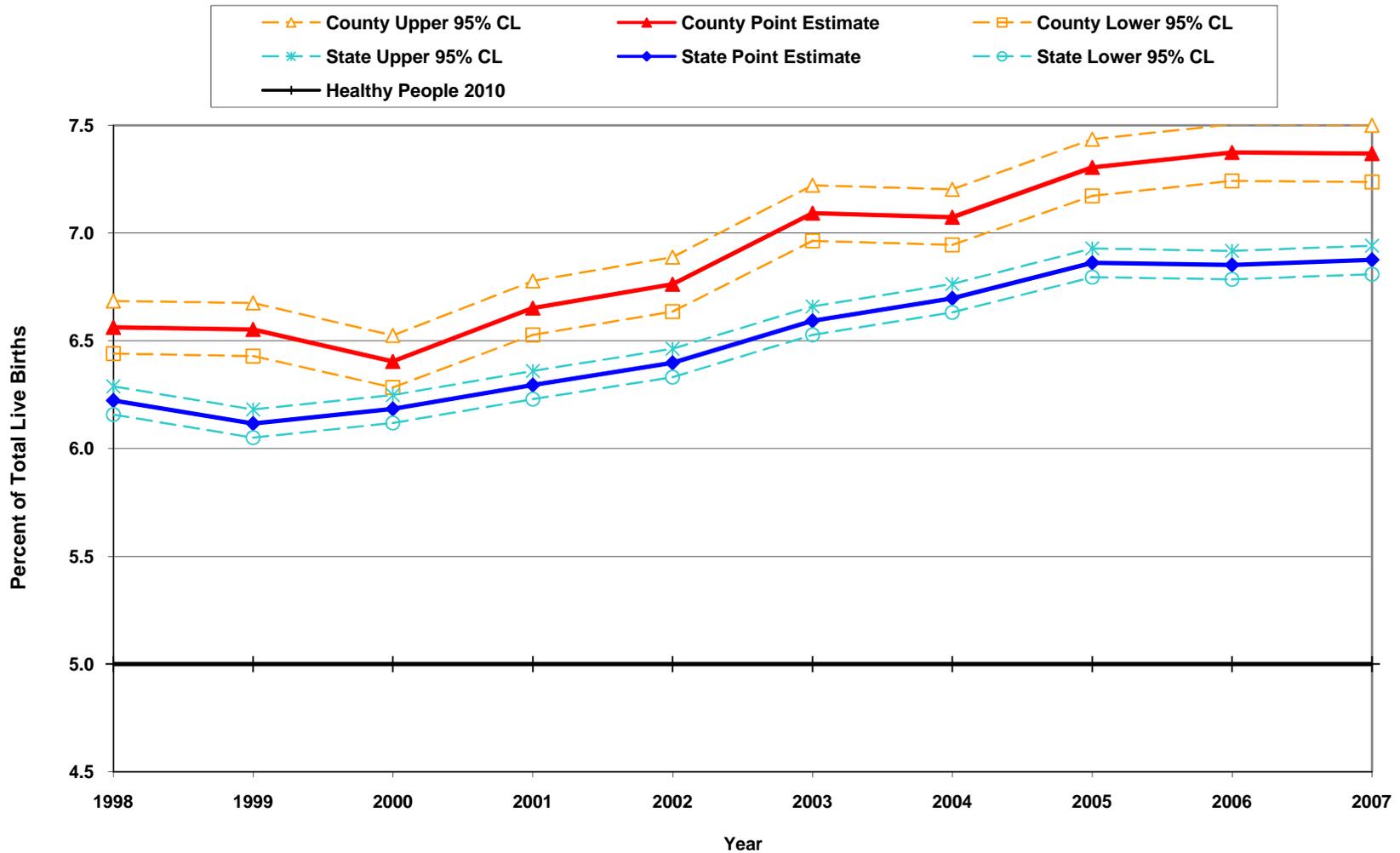
Young or old maternal age; low income; low maternal education level; race/ethnicity (African American, Puerto Rican, Southeast Asian); high parity; short interpregnancy level; multiple gestation; unintended pregnancy; history of low birthweight; poor reproductive history; intrauterine growth retardation; 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
1998	32,438	6.2	6.2	6.3	10,408	6.6	6.4	6.7
1999	31,686	6.1	6.1	6.2	10,232	6.6	6.4	6.7
2000	32,853	6.2	6.1	6.2	10,080	6.4	6.3	6.5
2001	33,196	6.3	6.2	6.4	10,213	6.7	6.5	6.8
2002	33,859	6.4	6.3	6.5	10,222	6.8	6.6	6.9
2003	35,659	6.6	6.5	6.7	10,794	7.1	7.0	7.2
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

Year	Denominator: Live Births	
	California	LA County
1998	521,265	158,604
1999	518,073	156,153
2000	531,285	157,391
2001	527,371	153,523
2002	529,245	151,167
2003	540,827	152,192
2004	544,685	151,504
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1998-2007.

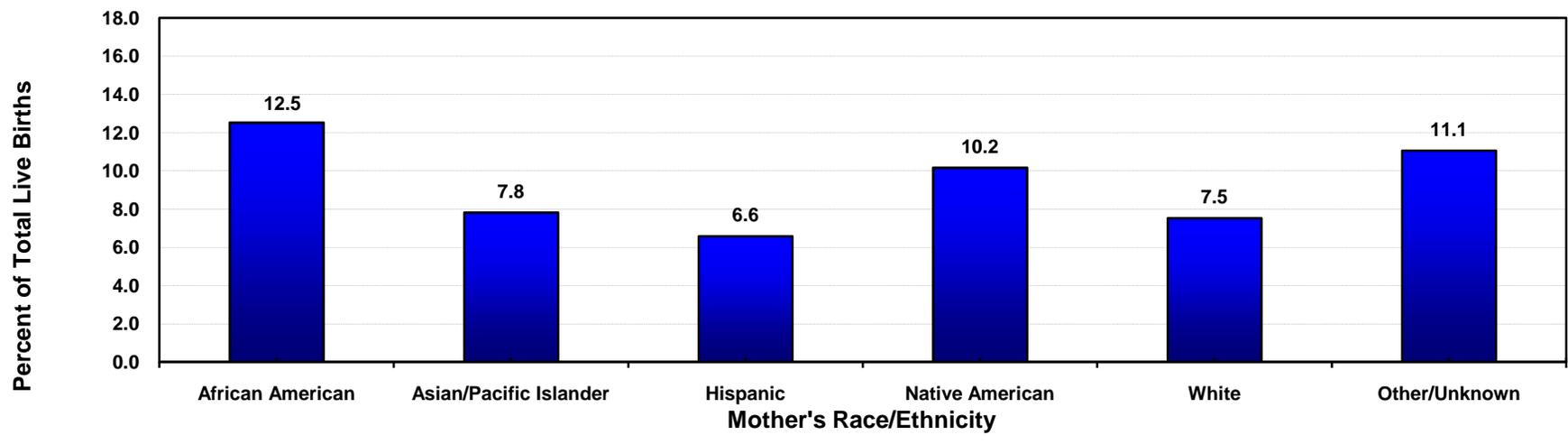
Percent of Low Birthweight California vs. Los Angeles County, 1998-2007



Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

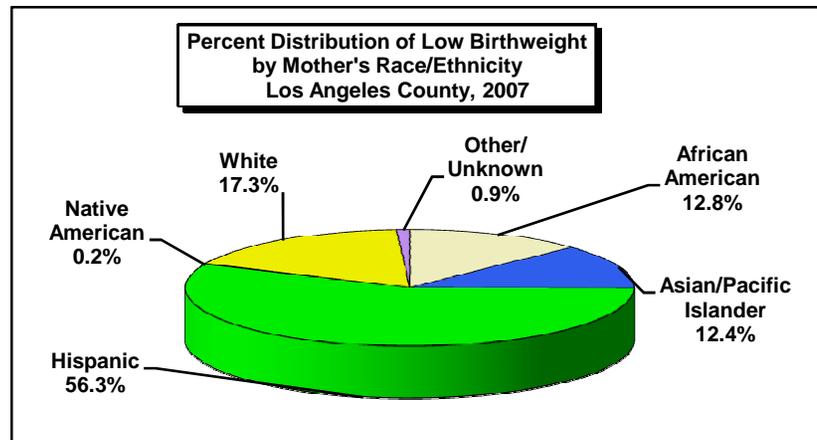
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1998-2007.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	1,429	12.5	11.9	13.1
Asian/Pacific Islander	1,390	7.8	7.4	8.2
Hispanic	6,298	6.6	6.4	6.7
Native American	24	10.2	6.3	14.0
White	1,939	7.5	7.2	7.8
Other/Unknown	106	11.1	9.1	13.1
Total	11,186	7.4	7.2	7.5

Total Live Births
11,406
17,769
95,686
236
25,758
958
151,813



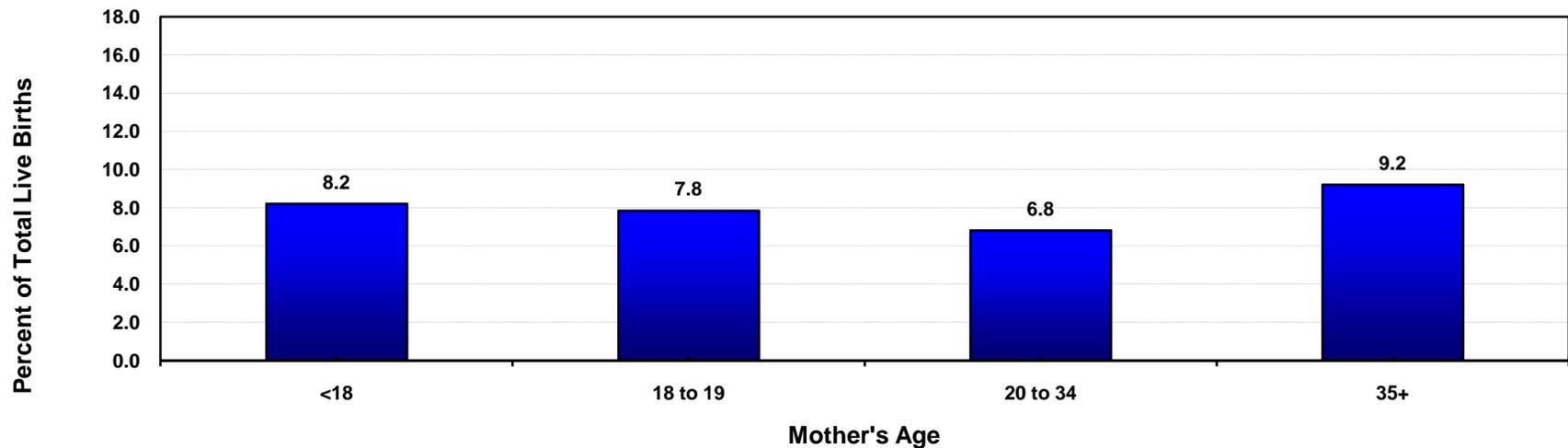
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

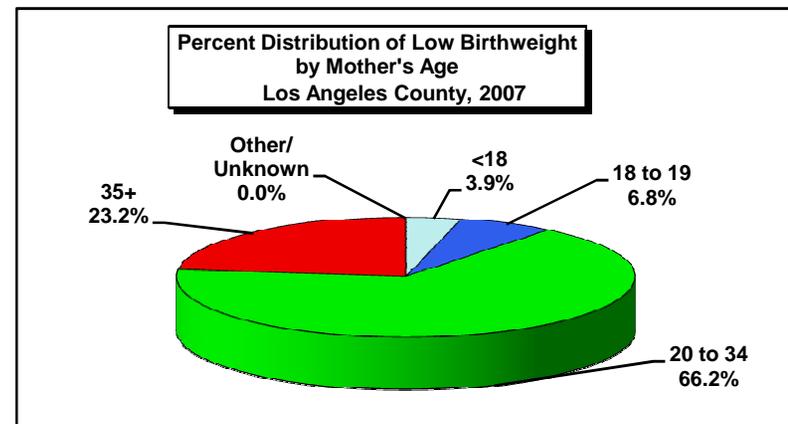
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	434	8.2	7.5	8.9
18 to 19	756	7.8	7.3	8.4
20 to 34	7,402	6.8	6.7	7.0
35+	2,593	9.2	8.9	9.5
Other/Unknown	1	N/C	N/C	N/C
Total	11,186	7.4	7.2	7.5

Total Live Births
5,289
9,643
108,700
28,164
17
151,813



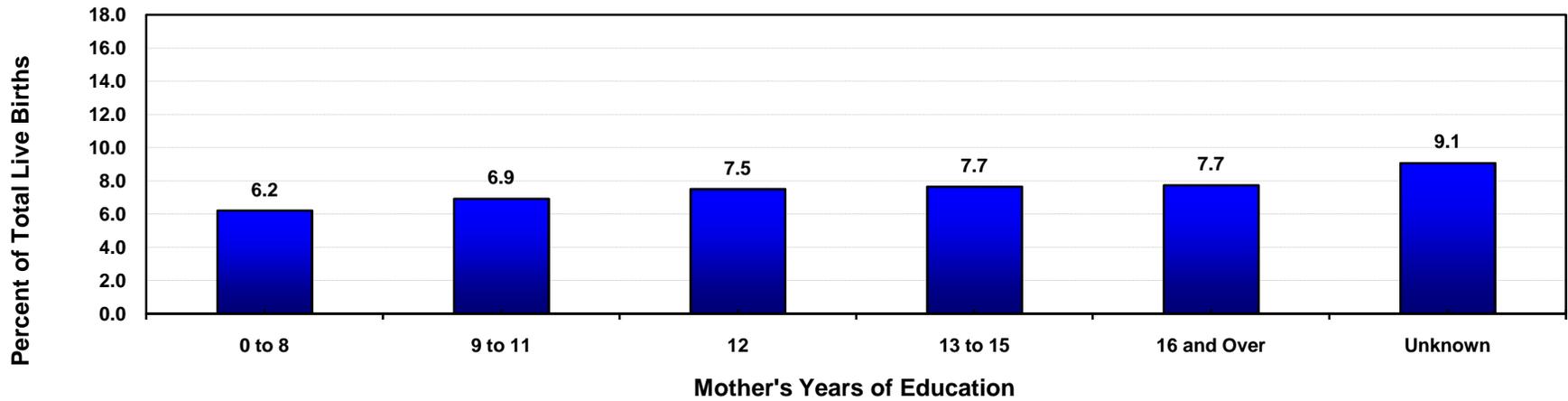
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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

Rates are not calculated (N/C) if number is fewer than five.

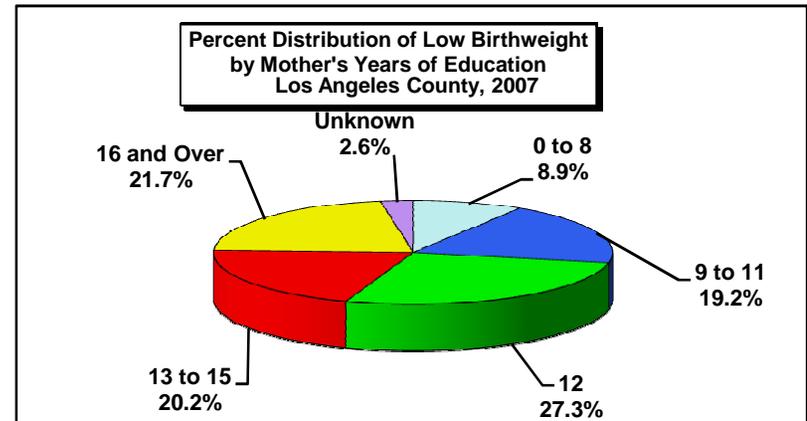
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	999	6.2	5.8	6.6
9 to 11	2,149	6.9	6.6	7.2
12	3,054	7.5	7.3	7.8
13 to 15	2,262	7.7	7.4	8.0
16 and Over	2,427	7.7	7.5	8.0
Unknown	295	9.1	8.1	10.1
Total	11,186	7.4	7.2	7.5

Total Live Births
16,058
31,019
40,643
29,516
31,329
3,248
151,813



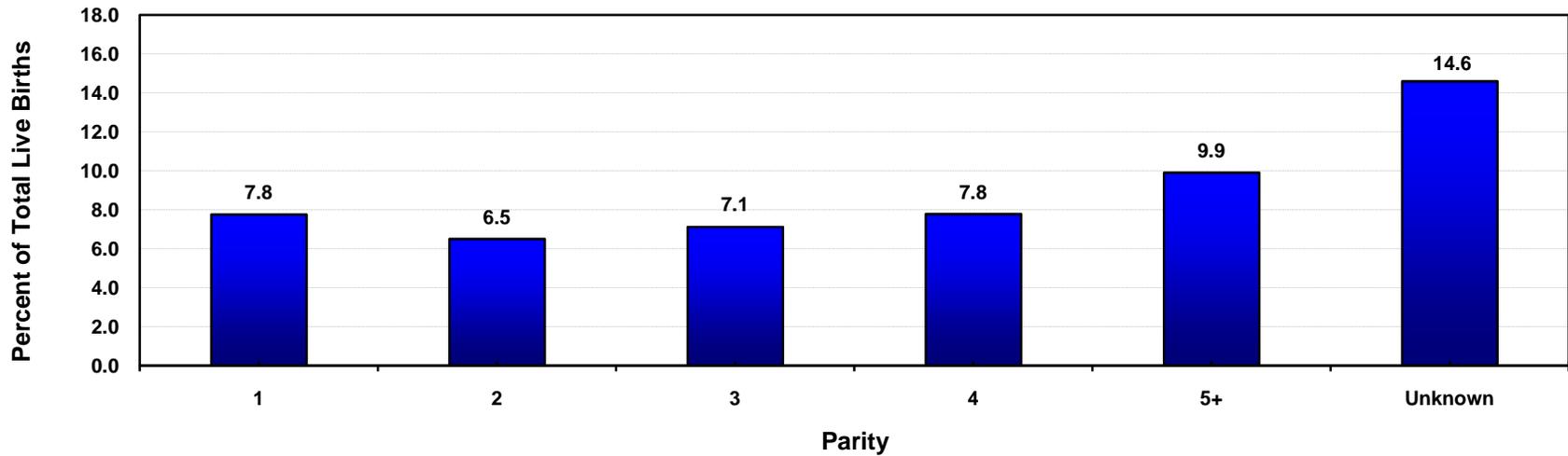
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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

This analysis did not adjust for teen mothers who may not be old enough to have reached higher categorical educational level.

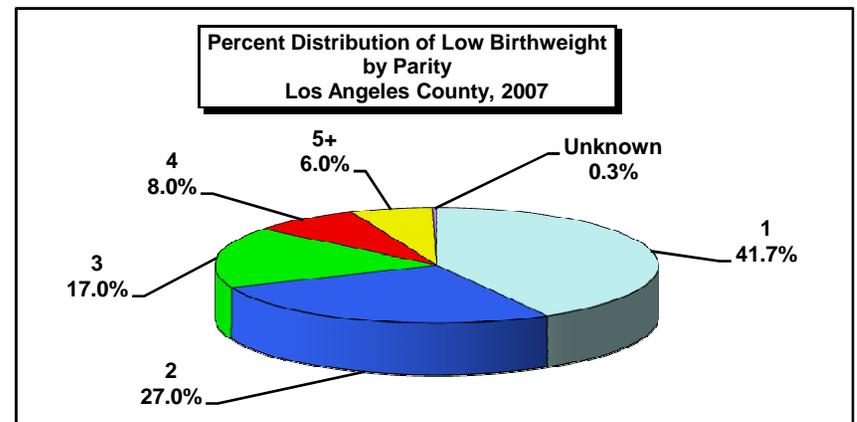
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Low Birthweight Live Births, as Percent of Total Live Births
by Parity
Los Angeles County, 2007**



Los Angeles County, 2007				
Parity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	4,666	7.8	7.5	8.0
2	3,021	6.5	6.3	6.7
3	1,905	7.1	6.8	7.4
4	890	7.8	7.3	8.3
5+	671	9.9	9.2	10.6
Unknown	33	14.6	10.0	19.2
Total	11,186	7.4	7.2	7.5

Total Live Births
60,161
46,471
26,743
11,438
6,774
226
151,813



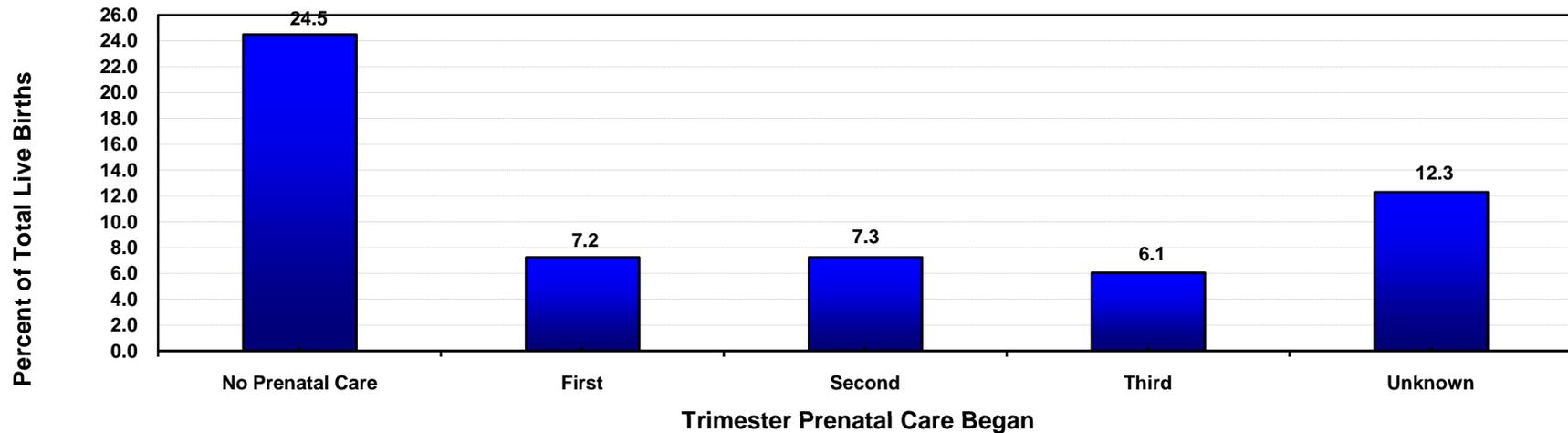
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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.

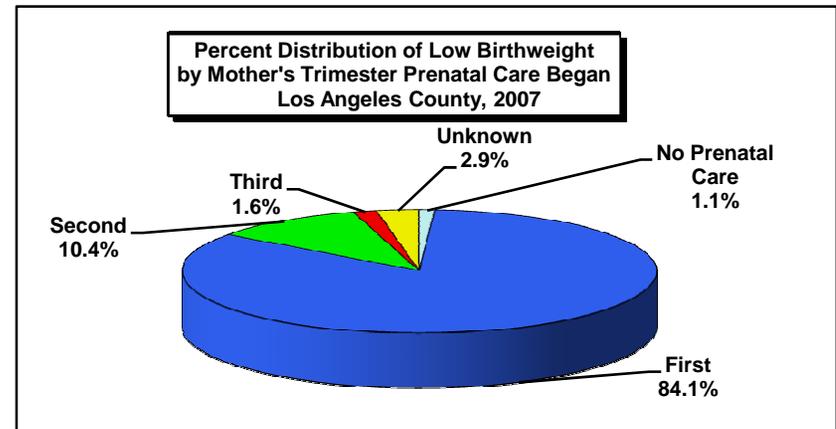
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	118	24.5	20.6	28.3
First	9,404	7.2	7.1	7.4
Second	1,163	7.3	6.9	7.7
Third	179	6.1	5.2	6.9
Unknown	322	12.3	11.0	13.5
Total	11,186	7.4	7.2	7.5

Total Live Births
482
129,741
16,013
2,957
2,620
151,813



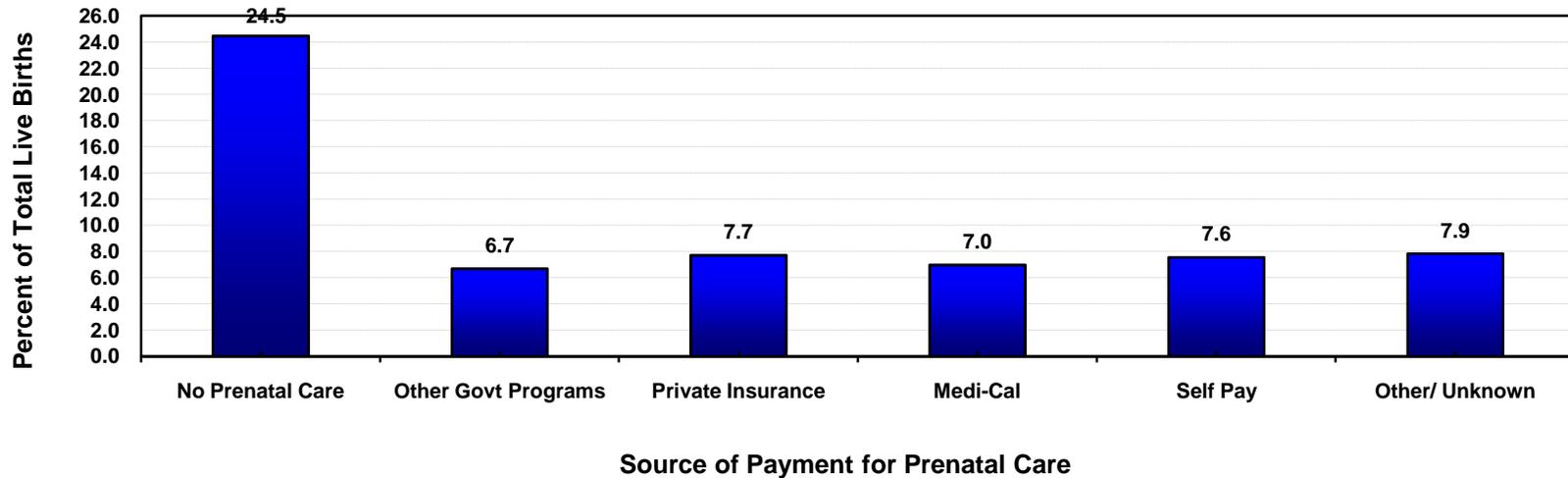
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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.

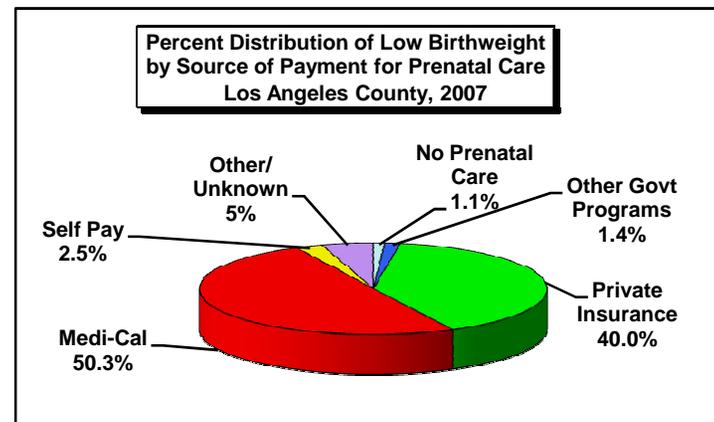
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Low Birthweight Live Births, as Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2007**



Los Angeles County, 2007				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	118	24.5	20.6	28.3
Other Govt Programs	160	6.7	5.7	7.7
Private Insurance	4,473	7.7	7.5	7.9
Medi-Cal	5,626	7.0	6.8	7.2
Self Pay	279	7.6	6.7	8.4
Other/ Unknown	530	7.9	7.2	8.5
Total	11,186	7.4	7.2	7.5

Total Live Births
482
2,391
57,928
80,578
3,687
6,747
151,813



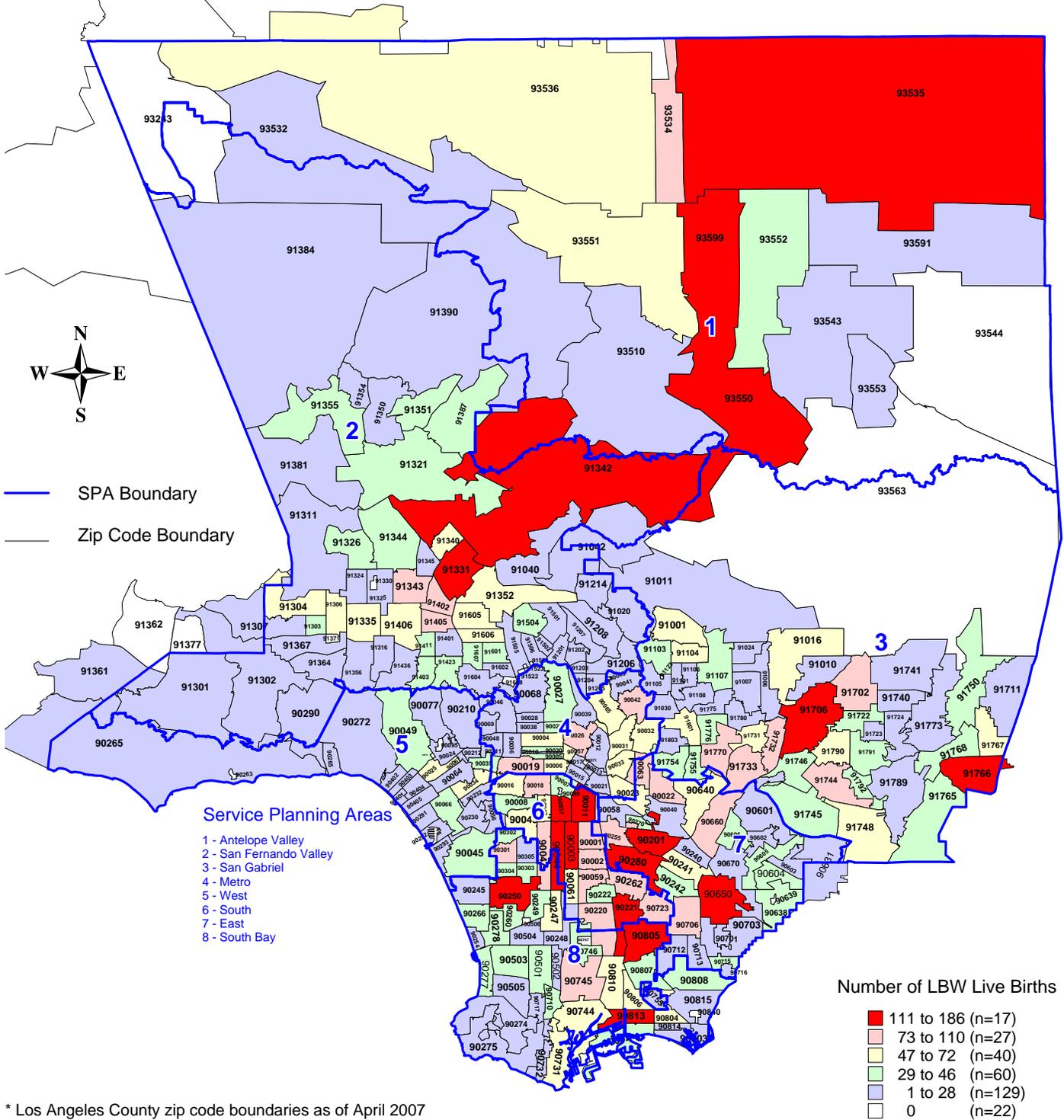
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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, 2007.

Number of Low Birthweight (LBW) Live Births by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2007



* Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2007 = 151,813
 Total number of low birthweight live births in Los Angeles County, 2007 = 11,186

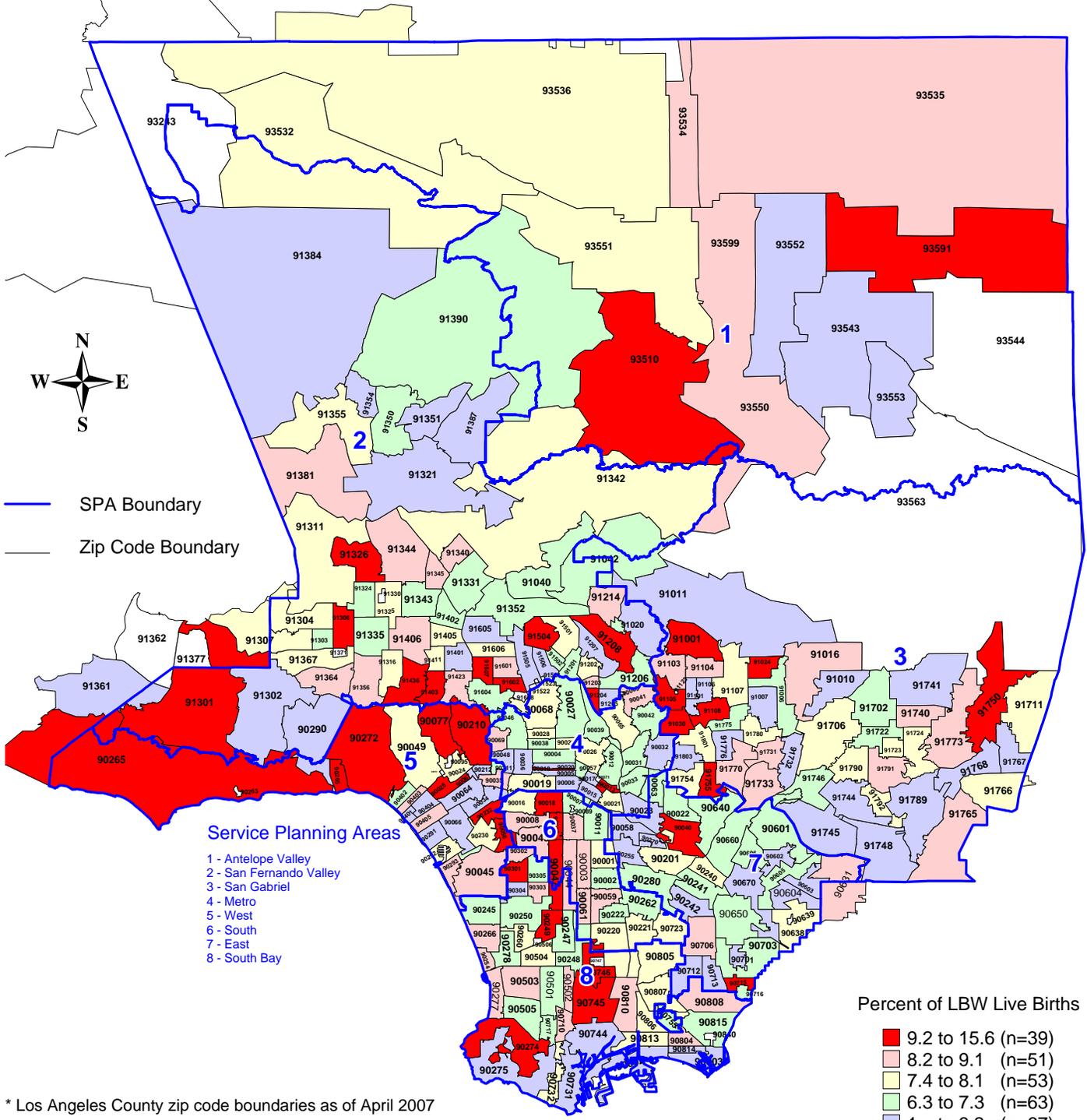
Note: Low birthweight is defined as weight less than 2,500 grams at birth

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2007

n = total number of zip codes in range

Percent of Low Birthweight (LBW) Live Births by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2007



* Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2007 = 151,813

Note: Percent of low birthweight is defined as weight less than 2,500 grams at birth per 100 live births

HP2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births

n = total number of zip codes in range

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 2010 OBJECTIVE:

Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.
(Baseline: 1.4 percent in 1998) (Objective 16-10b)

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

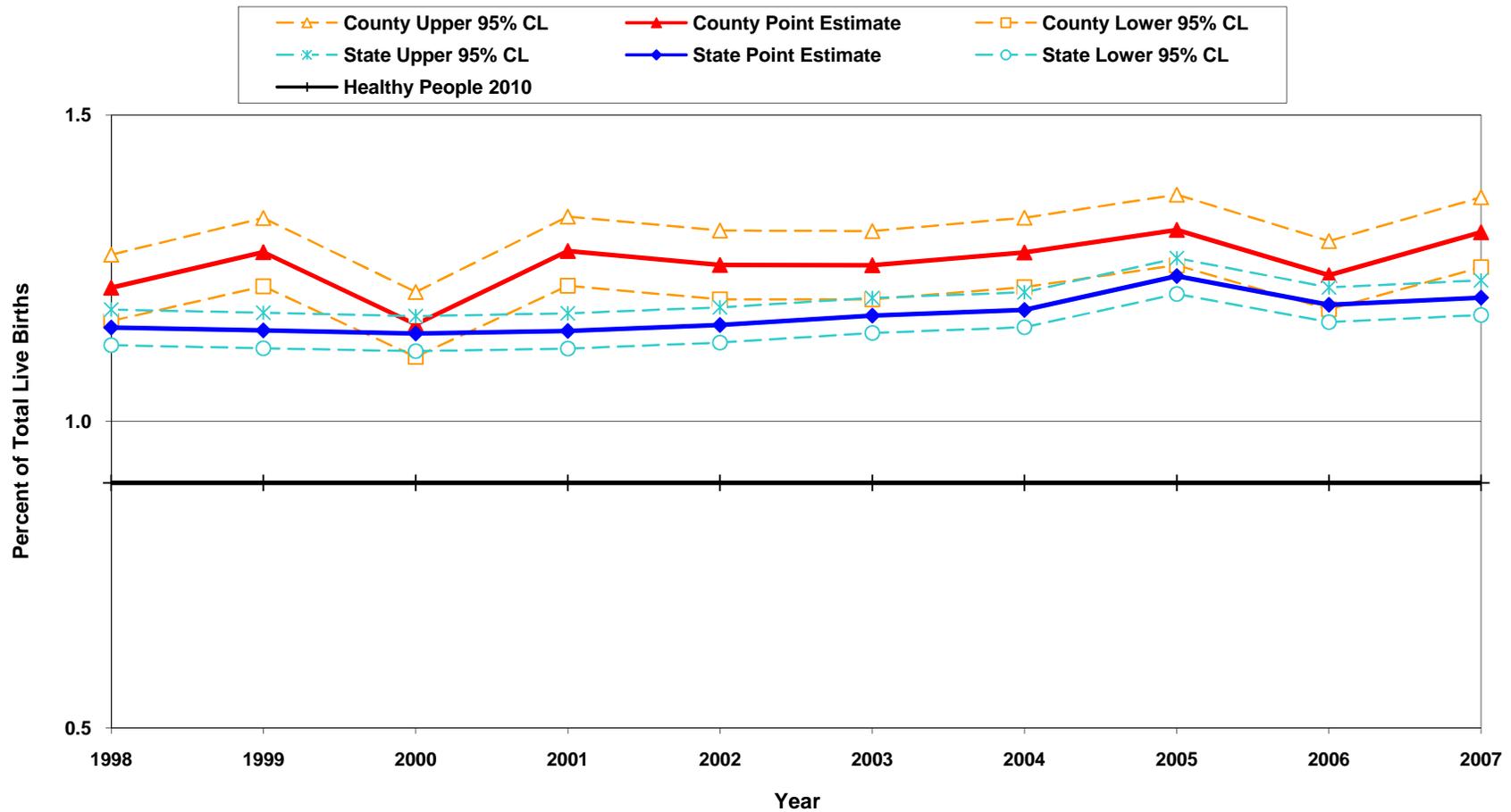
See also risk factors for low birthweight

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
1998	6,013	1.2	1.1	1.2	1,932	1.2	1.2	1.3
1999	5,950	1.1	1.1	1.2	1,993	1.3	1.2	1.3
2000	6,075	1.1	1.1	1.2	1,823	1.2	1.1	1.2
2001	6,054	1.1	1.1	1.2	1,962	1.3	1.2	1.3
2002	6,127	1.2	1.1	1.2	1,898	1.3	1.2	1.3
2003	6,344	1.2	1.1	1.2	1,910	1.3	1.2	1.3
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

Denominator: Live Births		
Year	California	LA County
1998	521,265	158,604
1999	518,073	156,153
2000	531,285	157,391
2001	527,371	153,523
2002	529,245	151,167
2003	540,827	152,192
2004	544,685	151,504
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1998-2007.

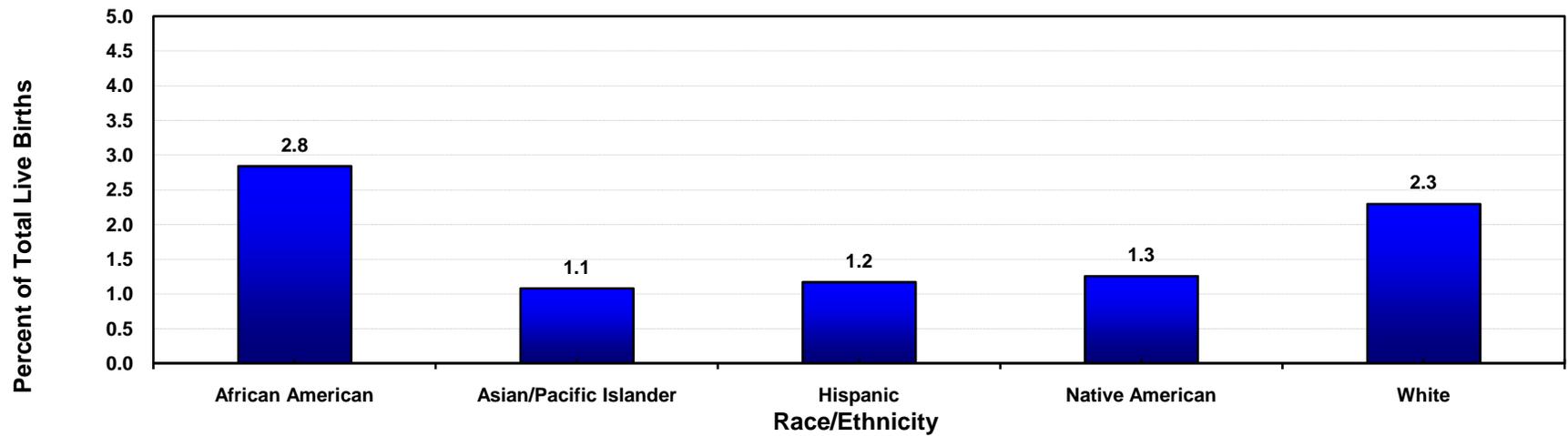
Percent of Very Low Birthweight California vs. Los Angeles County, 1998-2007



Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

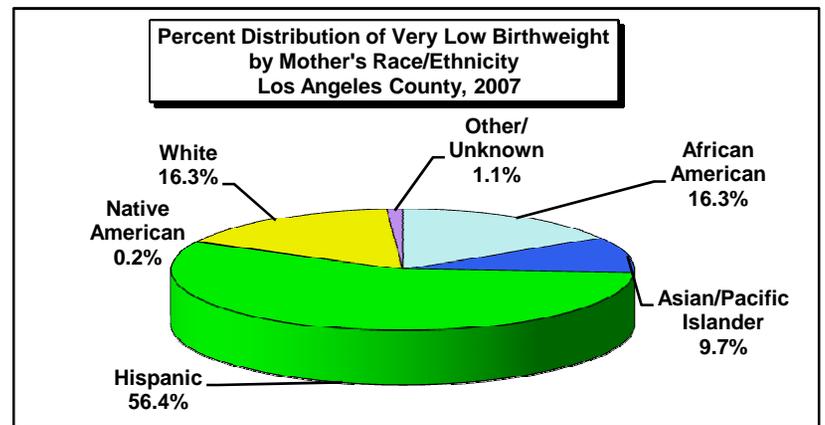
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1998-2007.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Race/Ethnicity	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	324	2.8	2.5	3.1
Asian/Pacific Islander	192	1.1	0.9	1.2
Hispanic	1,121	1.2	1.1	1.2
Native American	4	N/C	N/C	N/C
White	324	1.3	1.1	1.4
Other/ Unknown	22	2.3	1.3	3.2
Total	1,987	1.3	1.3	1.4

Total Live Births
11,406
17,769
95,686
236
25,758
958
151,813



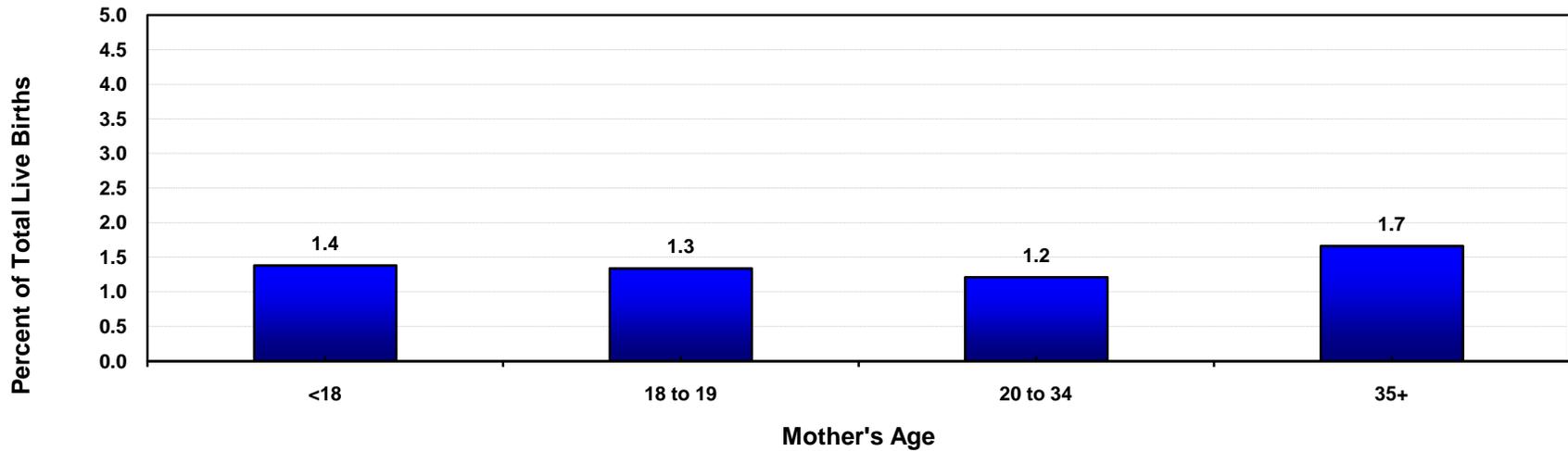
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

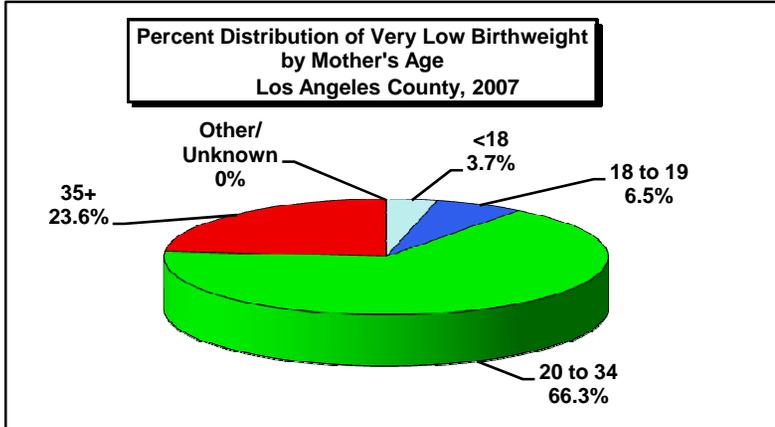
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Age	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	73	1.4	1.1	1.7
18 to 19	129	1.3	1.1	1.6
20 to 34	1,317	1.2	1.1	1.3
35+	468	1.7	1.5	1.8
Other/ Unknown	0	N/C	N/C	N/C
Total	1,987	1.3	1.3	1.4

Total Live Births
5,289
9,643
108,700
28,164
17
151,813



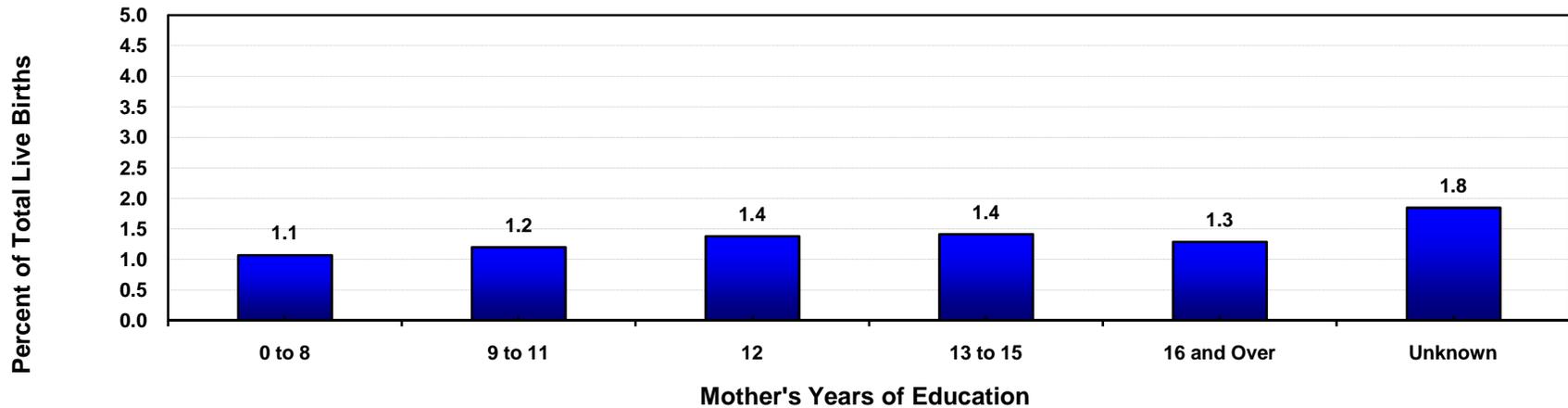
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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

Rates are not calculated (N/C) if number is fewer than five.

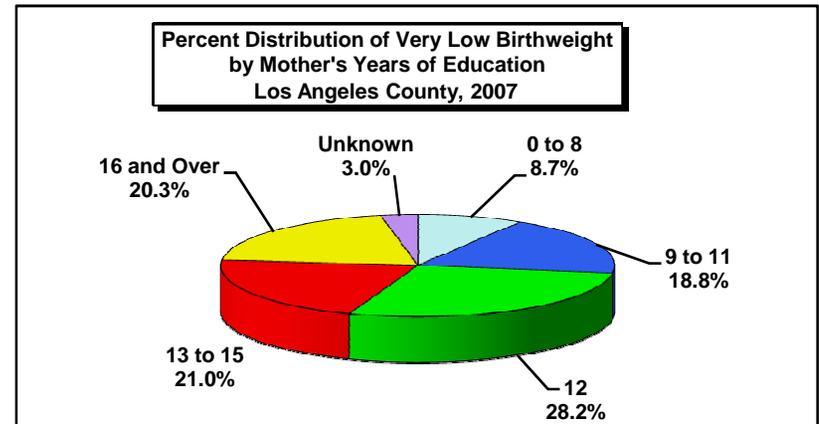
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Years of Education	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	172	1.1	0.9	1.2
9 to 11	373	1.2	1.1	1.3
12	561	1.4	1.3	1.5
13 to 15	417	1.4	1.3	1.5
16 and Over	404	1.3	1.2	1.4
Unknown	60	1.8	1.4	2.3
Total	1,987	1.3	1.3	1.4

Total Live Births
16,058
31,019
40,643
29,516
31,329
3,248
151,813



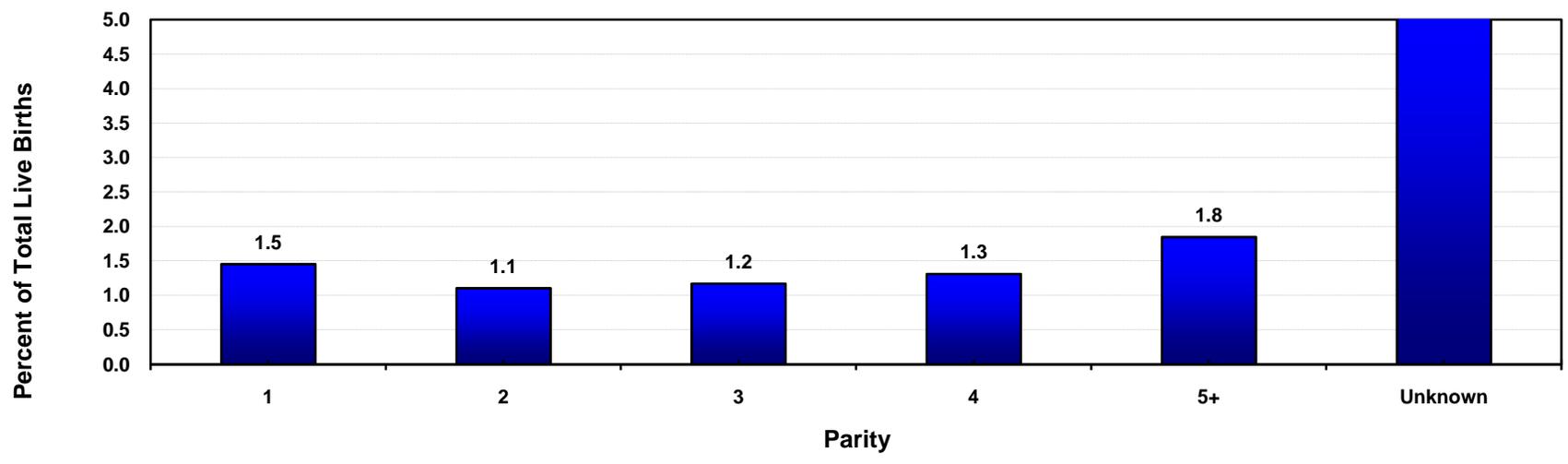
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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

This analysis did not adjust for teen mothers who may not be old enough to have reached higher educational level.

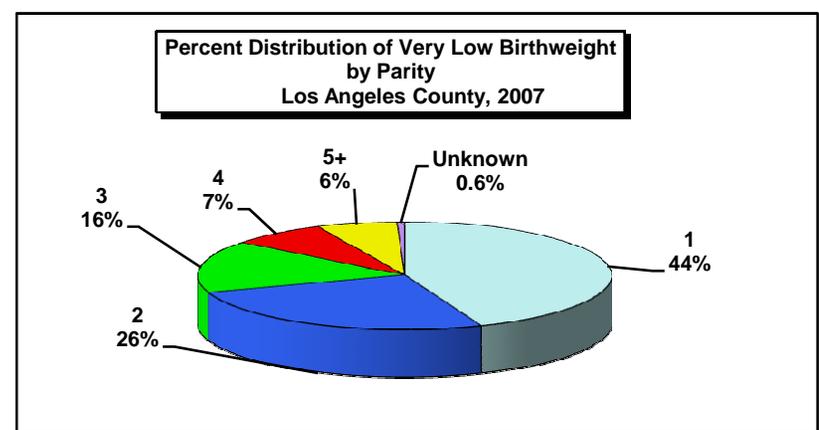
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Parity
Los Angeles County, 2007**



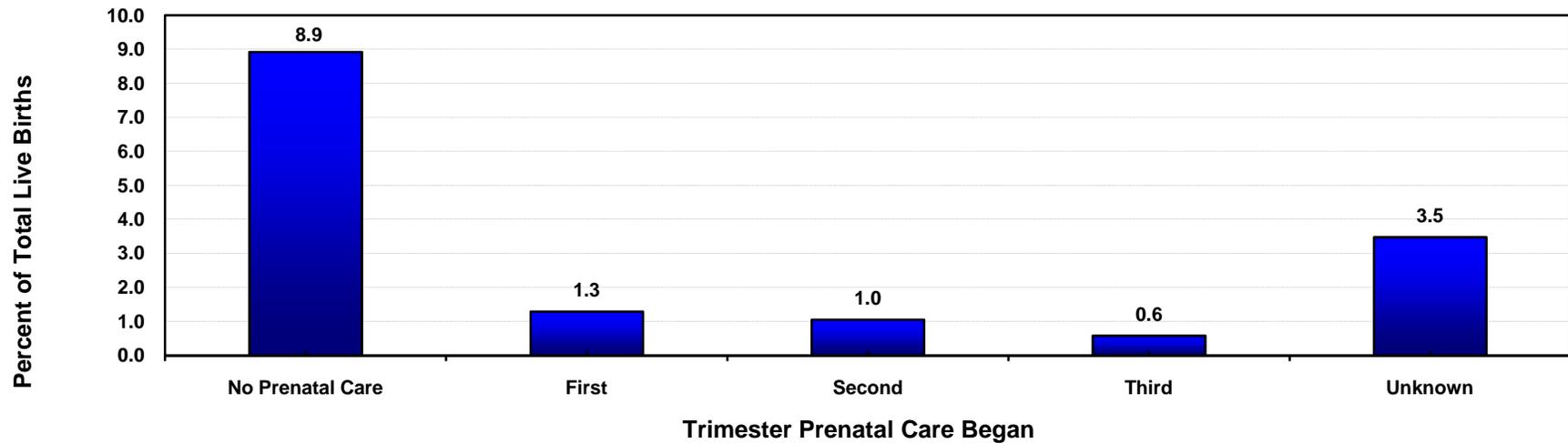
Los Angeles County, 2007				
Parity	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	874	1.5	1.4	1.5
2	513	1.1	1.0	1.2
3	313	1.2	1.0	1.3
4	150	1.3	1.1	1.5
5+	125	1.8	1.5	2.2
Unknown	12	5.3	2.4	8.2
Total	1,987	1.3	1.3	1.4

Total Live Births
60,161
46,471
26,743
11,438
6,774
226
151,813



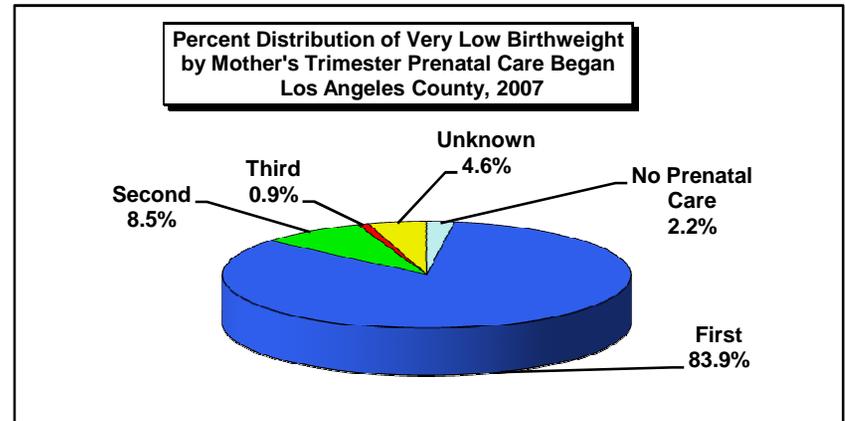
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.
 Note: Very low birthweight is defined as weight less than 1,500 grams at birth.
 Parity = number of pregnancies resulting in live births to a woman.
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2007**



Los Angeles County, 2007				
Mother's Trimester Prenatal Care Began	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	43	8.9	6.4	11.5
First	1,668	1.3	1.2	1.3
Second	168	1.0	0.9	1.2
Third	17	0.6	0.3	0.8
Unknown	91	3.5	2.8	4.2
Total	1,987	1.3	1.3	1.4

Total Live Births
482
129,741
16,013
2,957
2,620
151,813



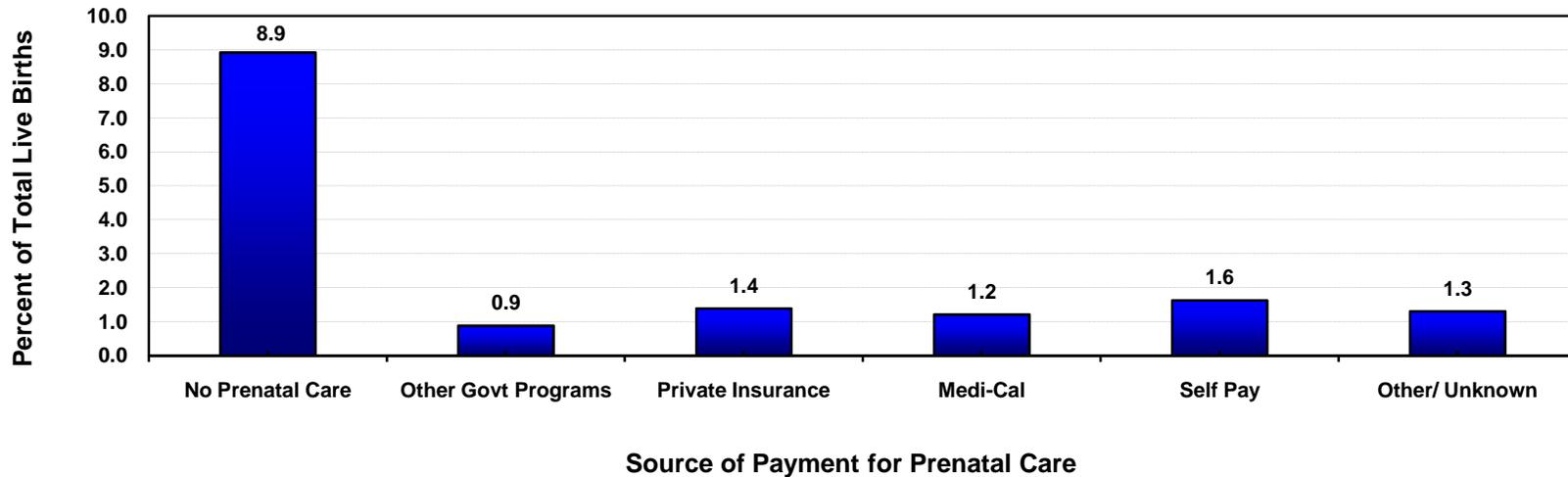
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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.

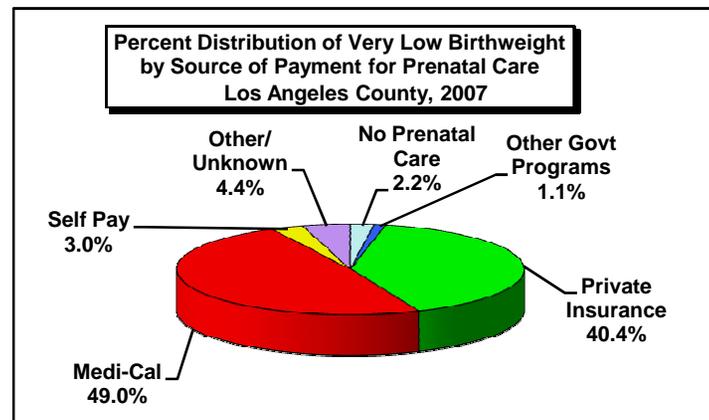
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2007.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2007**



Los Angeles County, 2007				
Source of Payment for Prenatal Care	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	43	8.9	6.4	11.5
Other Govt Programs	21	0.9	0.5	1.3
Private Insurance	802	1.4	1.3	1.5
Medi-Cal	973	1.2	1.1	1.3
Self Pay	60	1.6	1.2	2.0
Other/Unknown	88	1.3	1.0	1.6
Total	1,987	1.3	1.3	1.4

Total Live Births
482
2,391
57,928
80,578
3,687
6,747
151,813



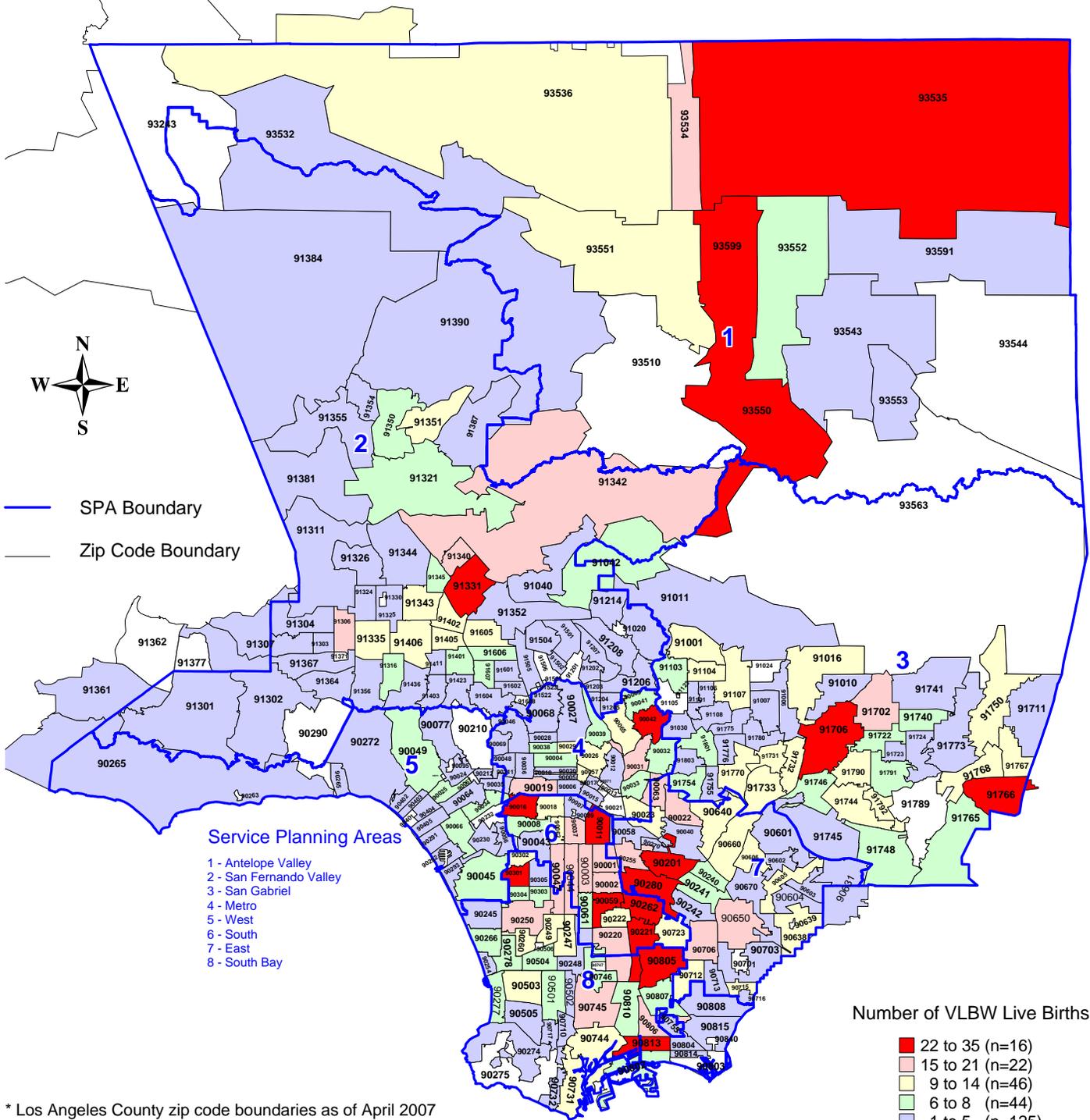
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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, 2007.

Number of Very Low Birthweight (VLBW) Live Births by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2007



* Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2007 = 151,813
Total number of very low birthweight live births in Los Angeles County, 2007 = 1,987

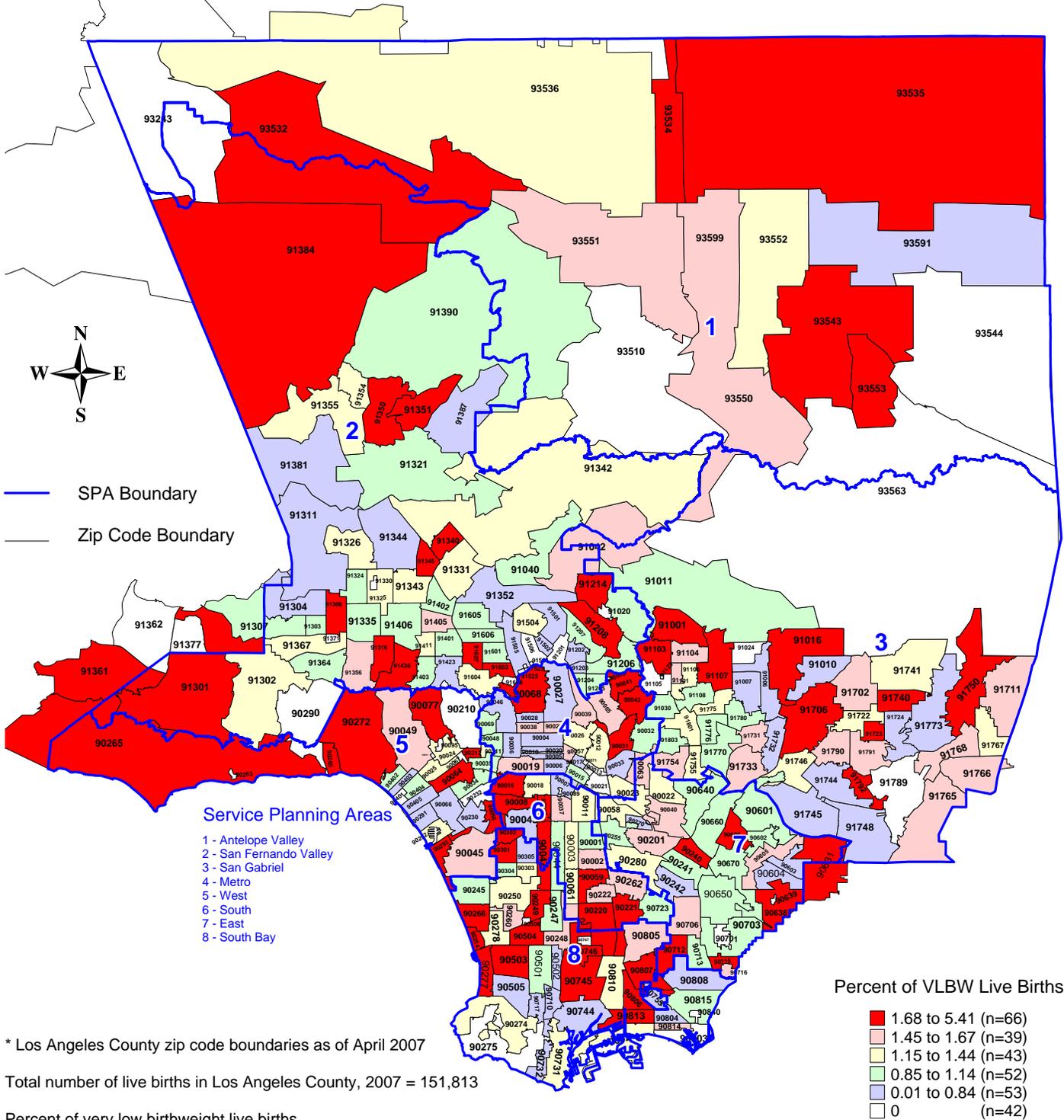
Note: Very low birthweight is defined as weight less than 1,500 grams at birth

n = total number of zip codes in range

Source: California Department of Health Services
Center for Health Statistics, Vital Statistics, 2007

Percent of Very Low Birthweight (VLBW) Live Births by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2007



* Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2007 = 151,813

Percent of very low birthweight live births in Los Angeles County, 2007 = 1.3 percent of live births

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

HP2010 objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births

Source: California Department of Health Services Center for Health Statistics, Vital Statistics, 2007