

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:

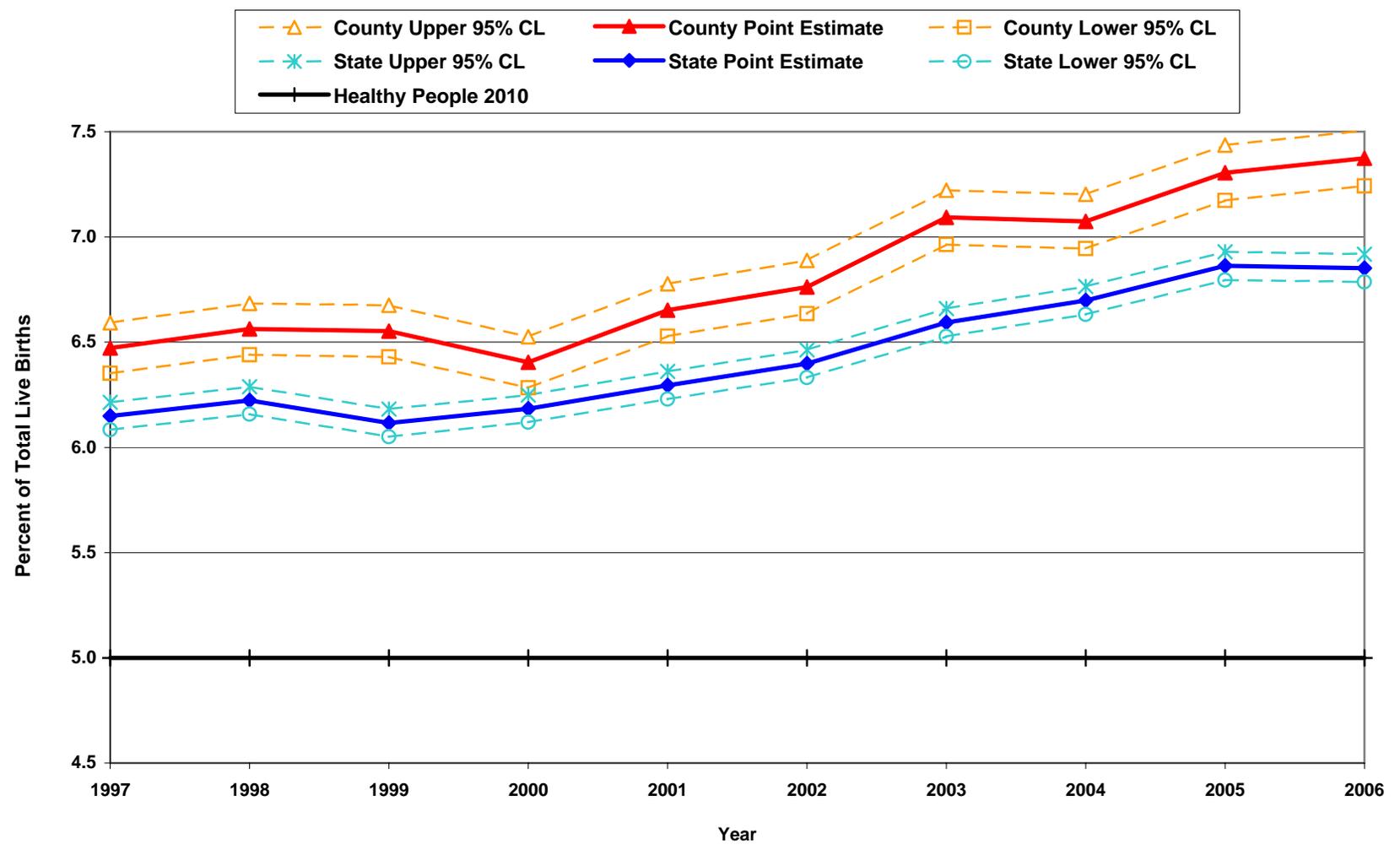
Young or old maternal age; low income; low maternal education level; race/ethnicity (African American, Puerto Rican, Southeast Asian); high parity; short interpregnancy level; multiple gestation; unintended pregnancy; history of low birthweight; poor reproductive history; intrauterine growth retardation; 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
1997	32,232	6.1	6.1	6.2	10,487	6.5	6.4	6.6
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

Year	Denominator: Live Births	
	California	LA County
1997	524,174	162,036
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

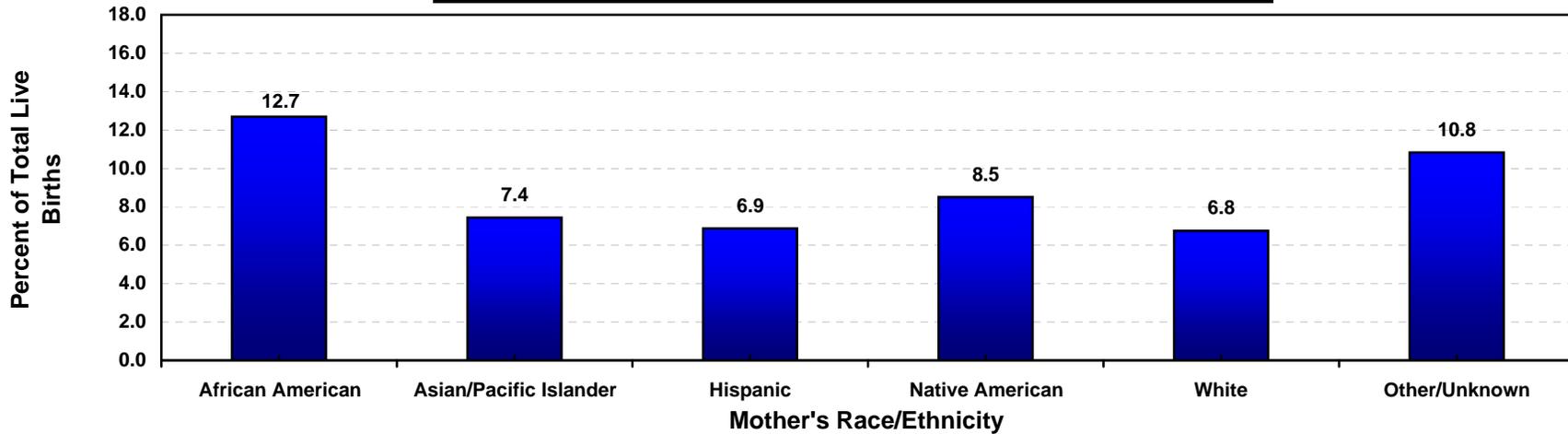
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

Percent of Low Birthweight California vs. Los Angeles County, 1997-2006



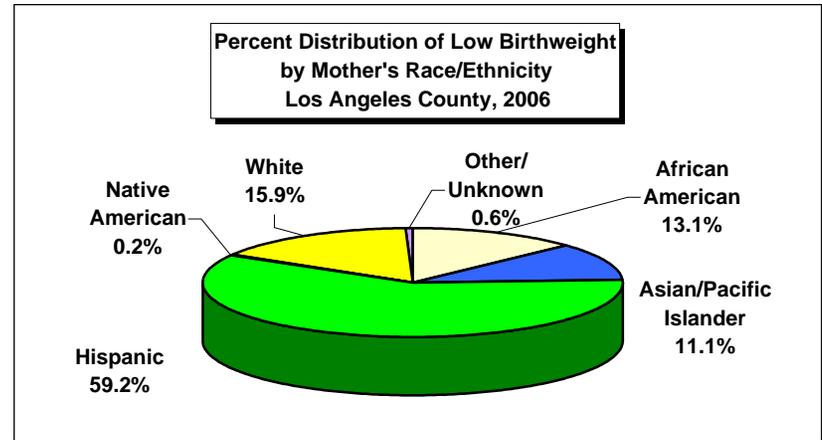
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	1,465	12.7	12.1	13.3
Asian/Pacific Islander	1,239	7.4	7.0	7.8
Hispanic	6,628	6.9	6.7	7.0
Native American	20	8.5	4.9	12.1
White	1,775	6.8	6.5	7.1
Other/Unknown	69	10.8	8.4	13.2
Total	11,196	7.4	7.2	7.5

Total Live Births
11,531
16,665
96,490
235
26,279
637
151,837



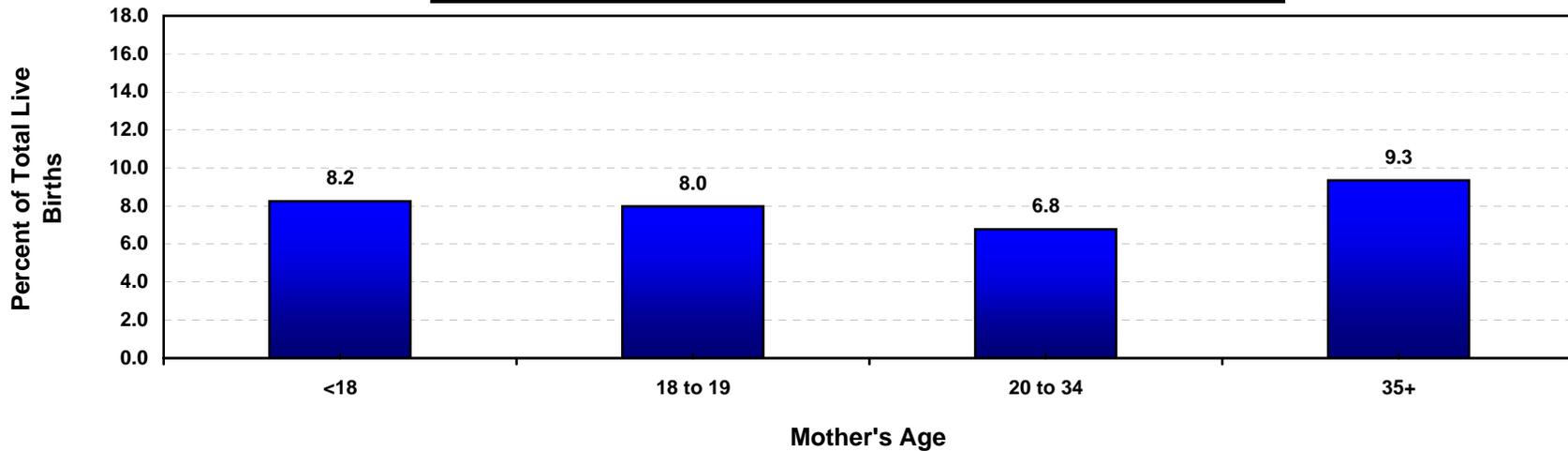
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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.

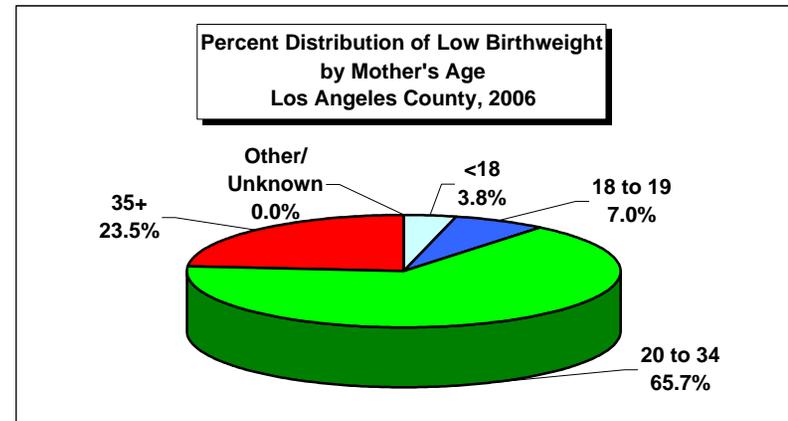
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	427	8.2	7.5	9.0
18 to 19	782	8.0	7.4	8.5
20 to 34	7,352	6.8	6.6	6.9
35+	2,630	9.3	9.0	9.7
Other/Unknown	5	22.73	5.22	40.24
Total	11,196	7.4	7.2	7.5

Total Live Births
5,183
9,804
108,672
28,156
22
151,837



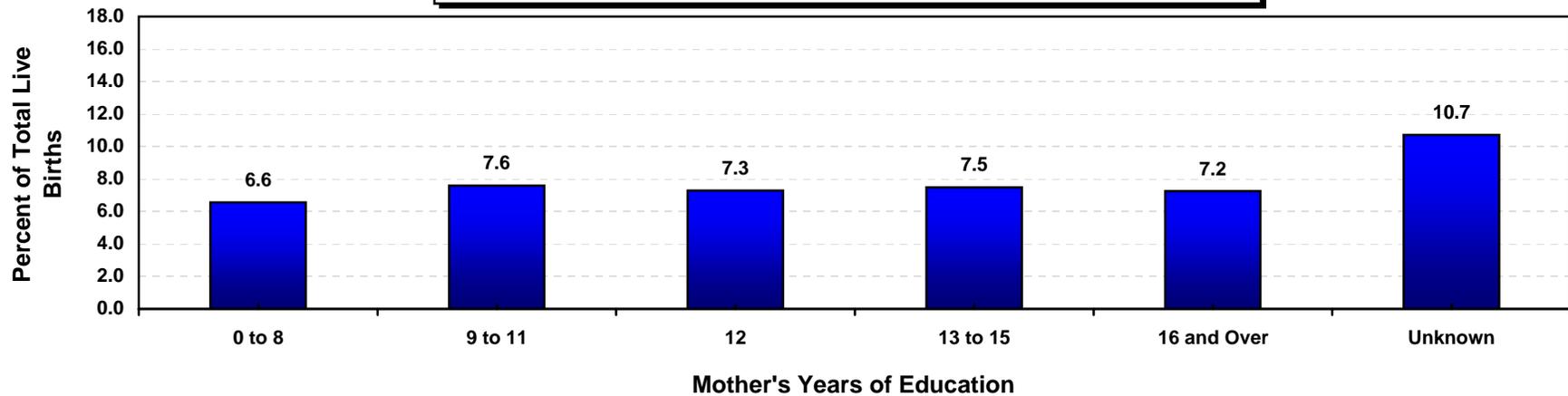
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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.

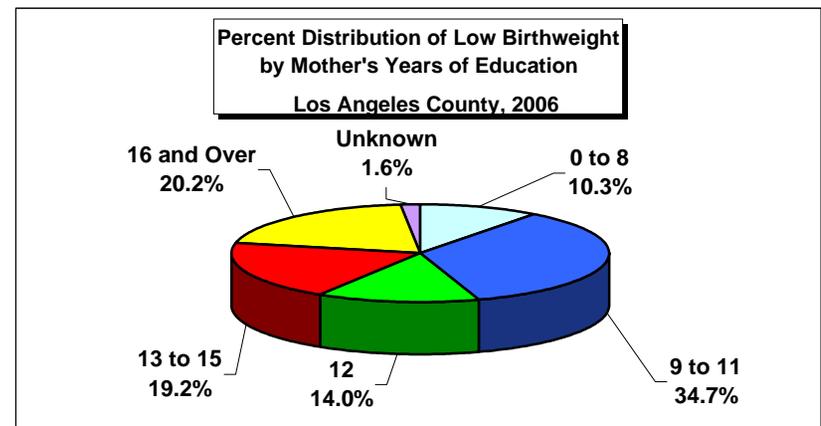
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	1,154	6.6	6.2	6.9
9 to 11	3,889	7.6	7.4	7.8
12	1,563	7.3	6.9	7.6
13 to 15	2,154	7.5	7.2	7.8
16 and Over	2,256	7.2	7.0	7.5
Unknown	180	10.7	9.2	12.2
Total	11,196	7.4	7.2	7.5

Total Live Births
17,579
51,205
21,441
28,791
31,142
1,679
151,837



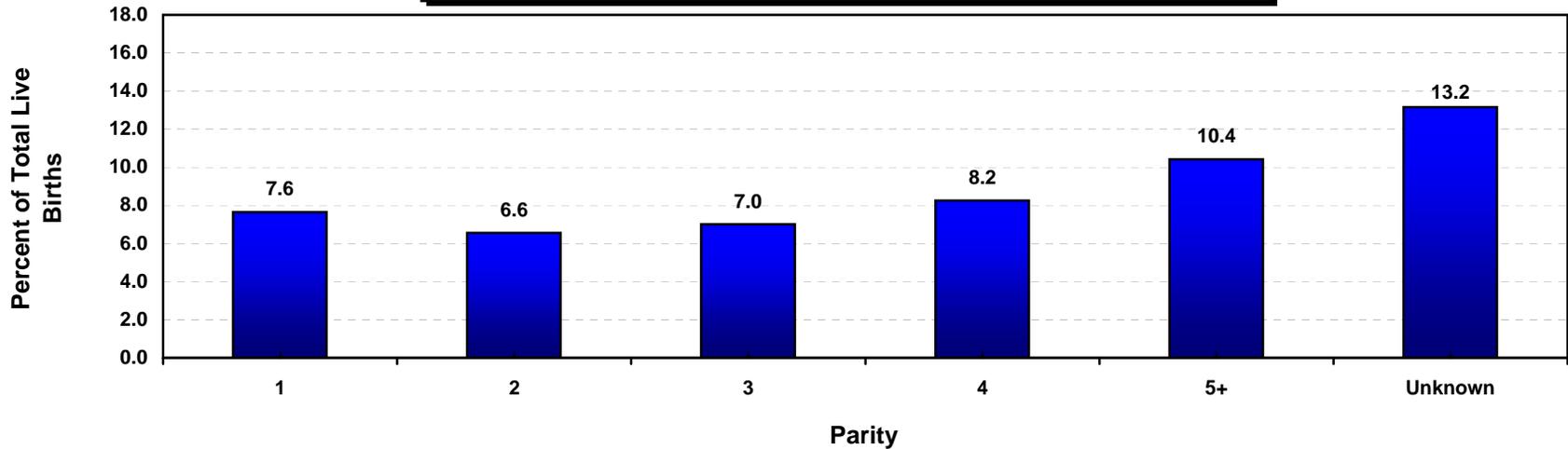
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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.

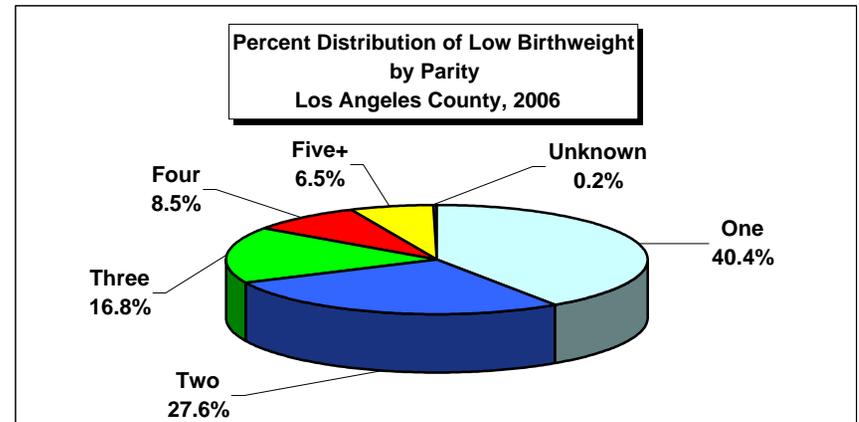
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Low Birthweight Live Births, as Percent of Total Live Births
by Parity
Los Angeles County, 2006**



Los Angeles County, 2006				
Parity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	4,528	7.6	7.4	7.9
2	3,090	6.6	6.3	6.8
3	1,881	7.0	6.7	7.3
4	951	8.2	7.7	8.7
5+	726	10.4	9.7	11.1
Unknown	20	13.2	7.8	18.5
Total	11,196	7.4	7.2	7.5

Total Live Births
59,192
47,120
26,871
11,534
6,968
152
151,837



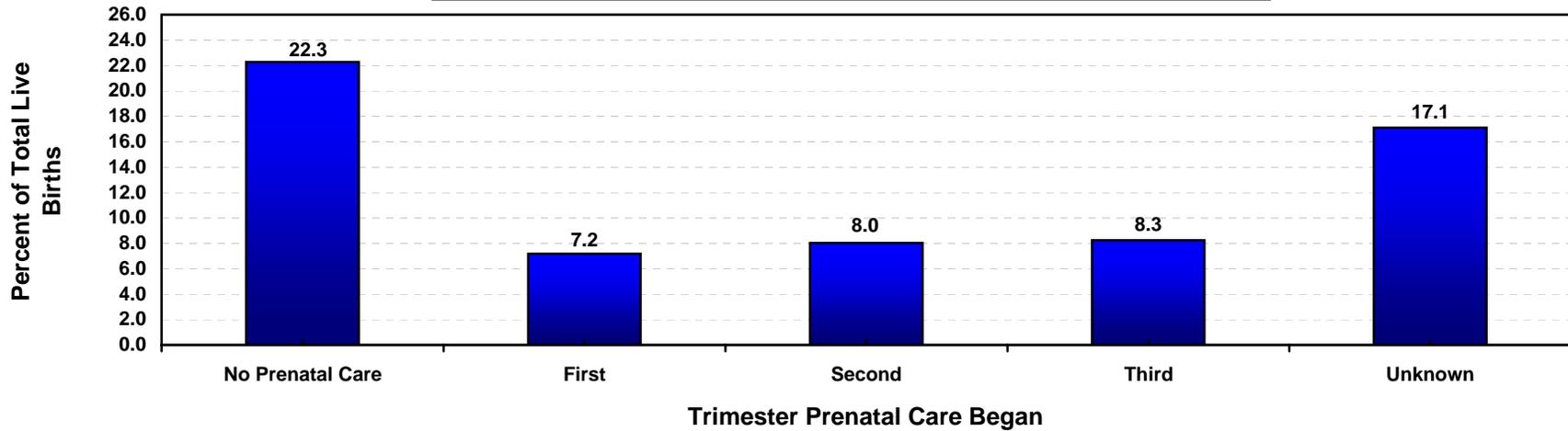
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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.

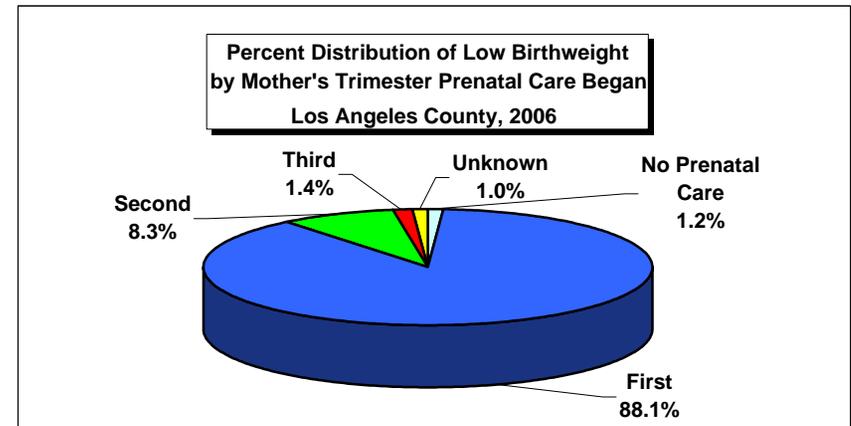
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	133	22.3	18.9	25.6
First	9,862	7.2	7.1	7.3
Second	932	8.0	7.5	8.5
Third	157	8.3	7.0	9.5
Unknown	112	17.1	14.2	20.0
Total	11,196	7.4	7.2	7.5

Total Live Births
597
137,077
11,606
1,902
655
151,837



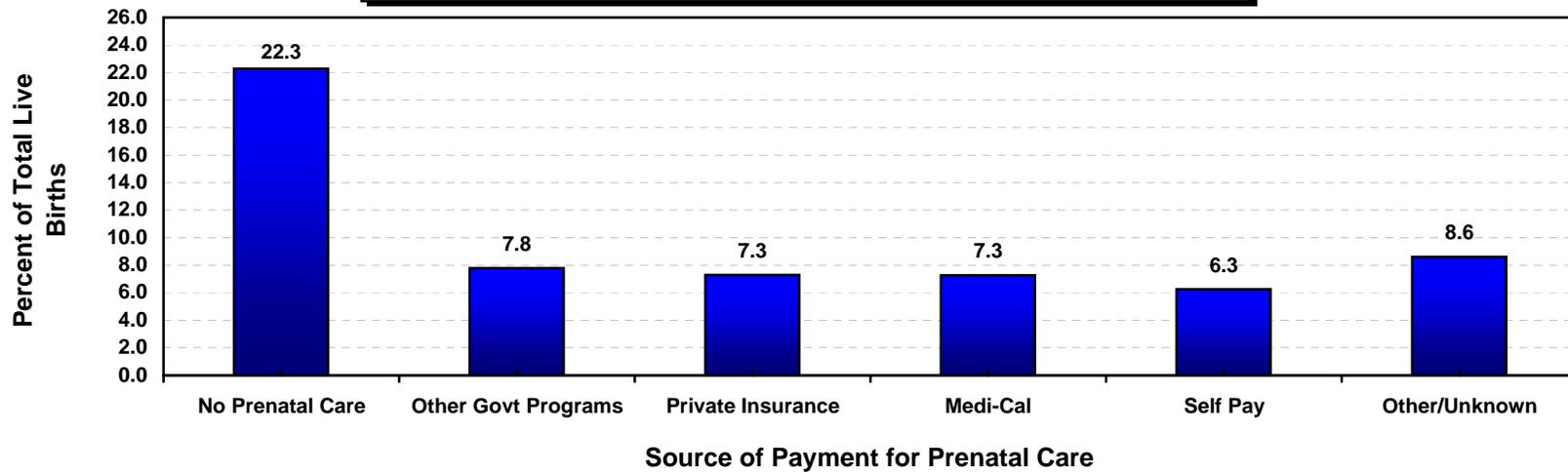
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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.

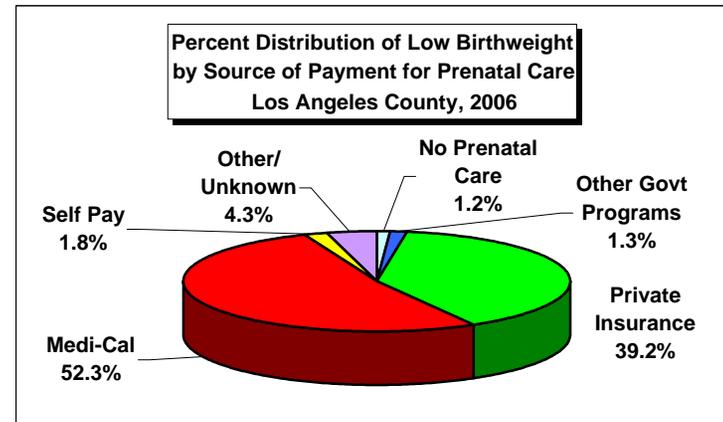
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Low Birthweight Live Births, as Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2006**



Los Angeles County, 2006				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	133	22.3	18.9	25.6
Other Govt Programs	141	7.8	6.6	9.0
Private Insurance	4,386	7.3	7.1	7.5
Medi-Cal	5,861	7.3	7.1	7.4
Self Pay	198	6.3	5.4	7.1
Other/Unknown	477	8.6	7.9	9.3
Total	11,196	7.4	7.2	7.5

Total Live Births
597
1,809
60,091
80,631
3,167
5,542
151,837



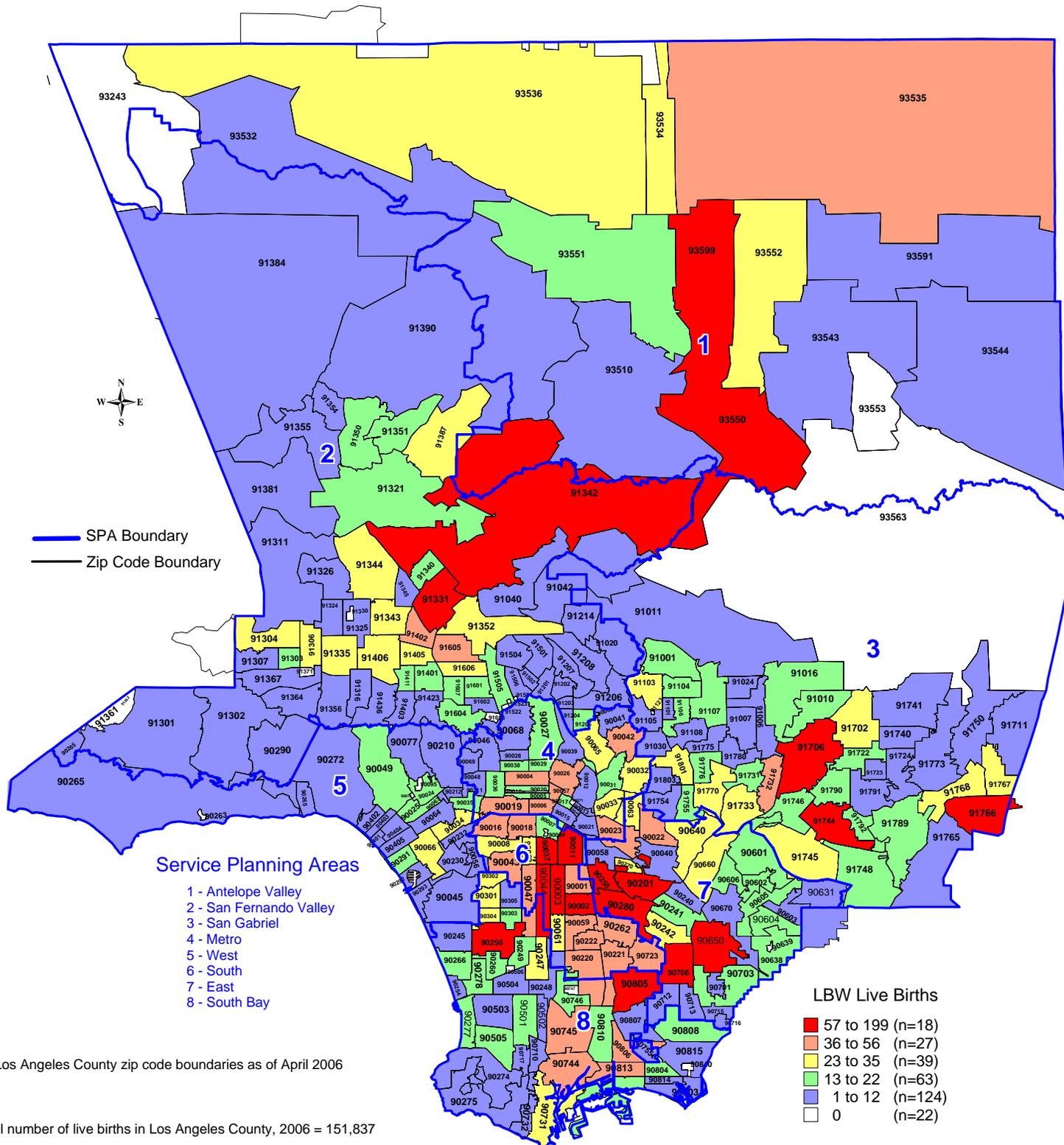
Year 2010 Objective: Reduce low birthweight births to an incidence of no more than 5 percent of live births.

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, 2006.

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

Los Angeles County, 2006



Total number of live births in Los Angeles County, 2006 = 151,837

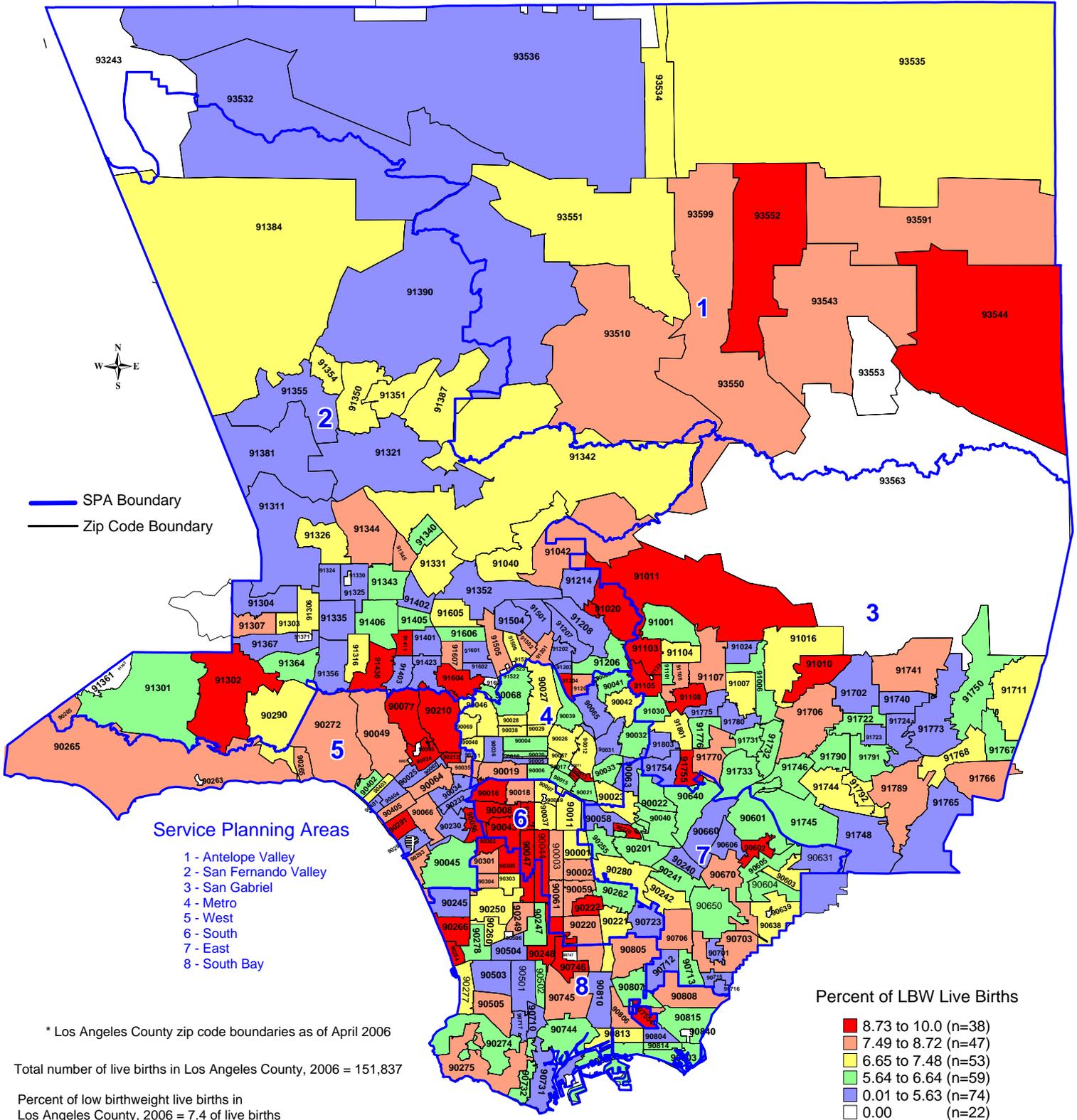
Total number of LBW live births in Los Angeles County in 2006 = 11,196

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

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, 2006



* Los Angeles County zip code boundaries as of April 2006

Total number of live births in Los Angeles County, 2006 = 151,837

Percent of low birthweight live births in Los Angeles County, 2006 = 7.4 of live births

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

HP 2010 Target : 5.0 % of live births

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

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)

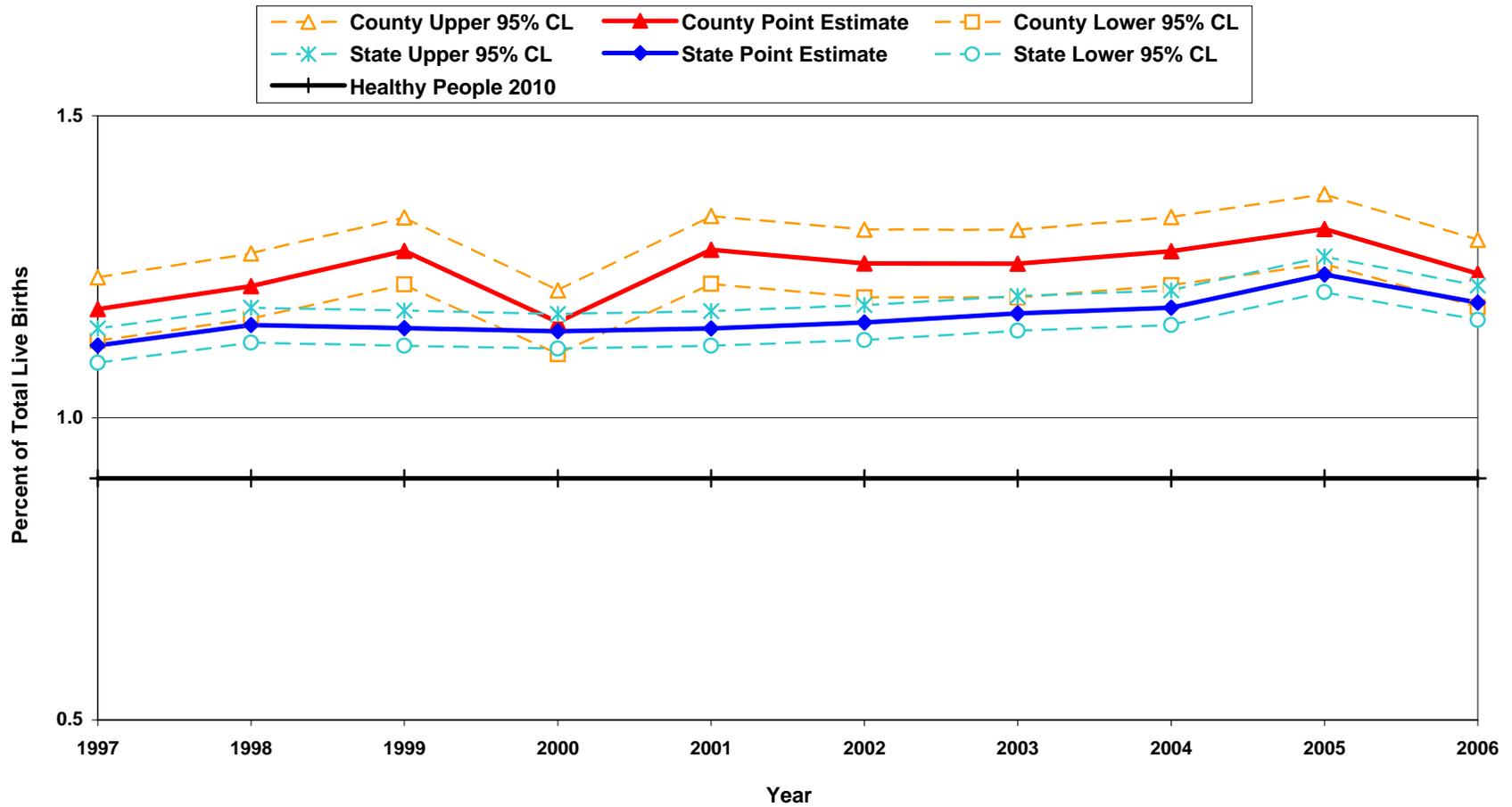
See also risk factors for low birthweight

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
1997	5,869	1.1	1.1	1.1	1,912	1.2	1.1	1.2
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

Denominator: Live Births		
Year	California	LA County
1997	524,174	162,036
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

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

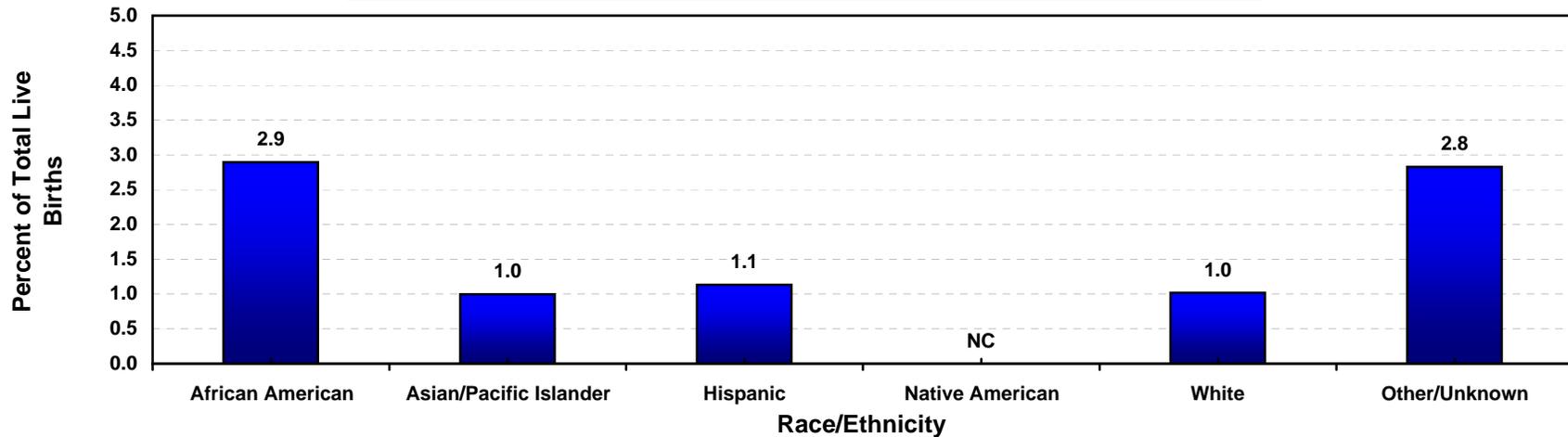
Percent of Very Low Birthweight California vs. Los Angeles County, 1997-2006



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

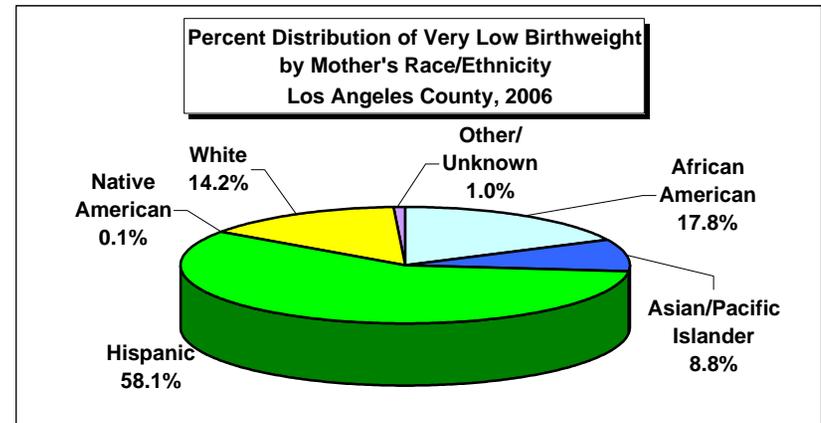
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Race/Ethnicity	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	334	2.9	2.6	3.2
Asian/Pacific Islander	166	1.0	0.8	1.1
Hispanic	1,093	1.1	1.1	1.2
Native American	2	N/C	N/C	N/C
White	268	1.0	0.9	1.1
Other/Unknown	18	2.8	1.5	4.1
Total	1,881	1.2	1.2	1.3

Total Live Births
11,531
16,665
96,490
235
26,279
637
151,837



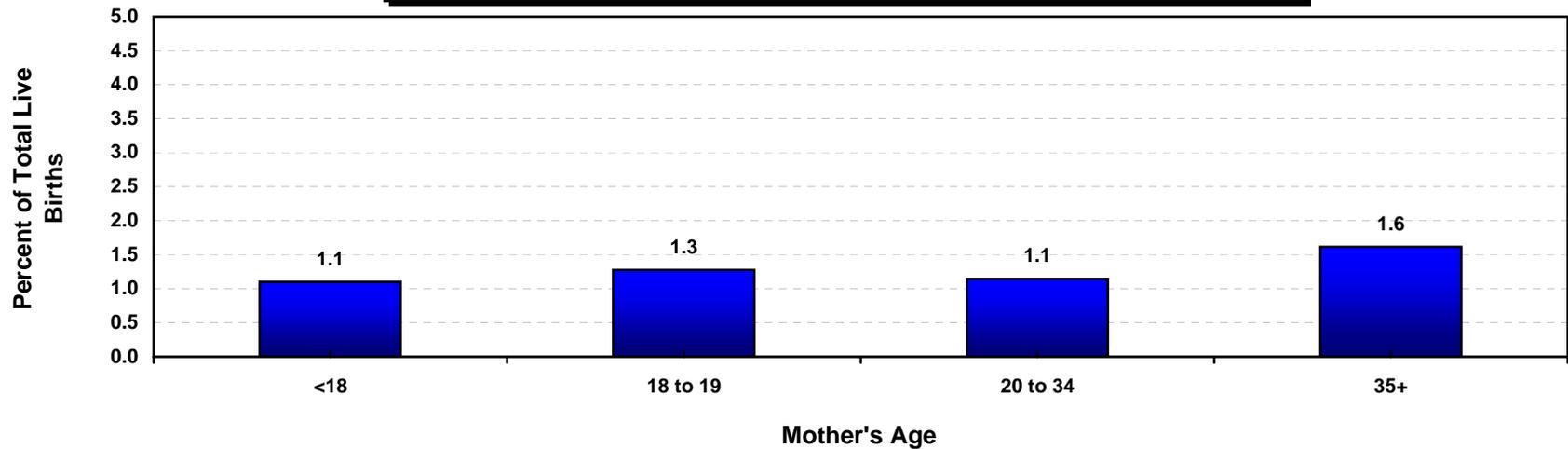
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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.

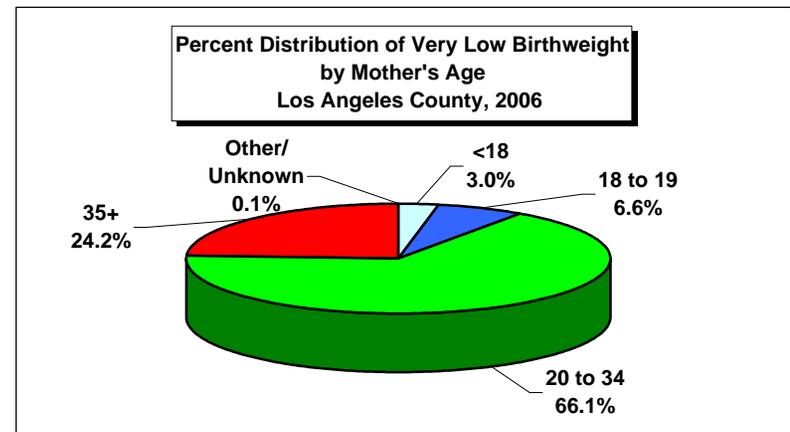
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Age	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	57	1.1	0.8	1.4
18 to 19	125	1.3	1.1	1.5
20 to 34	1,243	1.1	1.1	1.2
35+	455	1.6	1.5	1.8
Other/Unknown	1	N/C	N/C	N/C
Total	1,881	1.2	1.2	1.3

Total Live Births
5,183
9,804
108,672
28,156
22
151,837



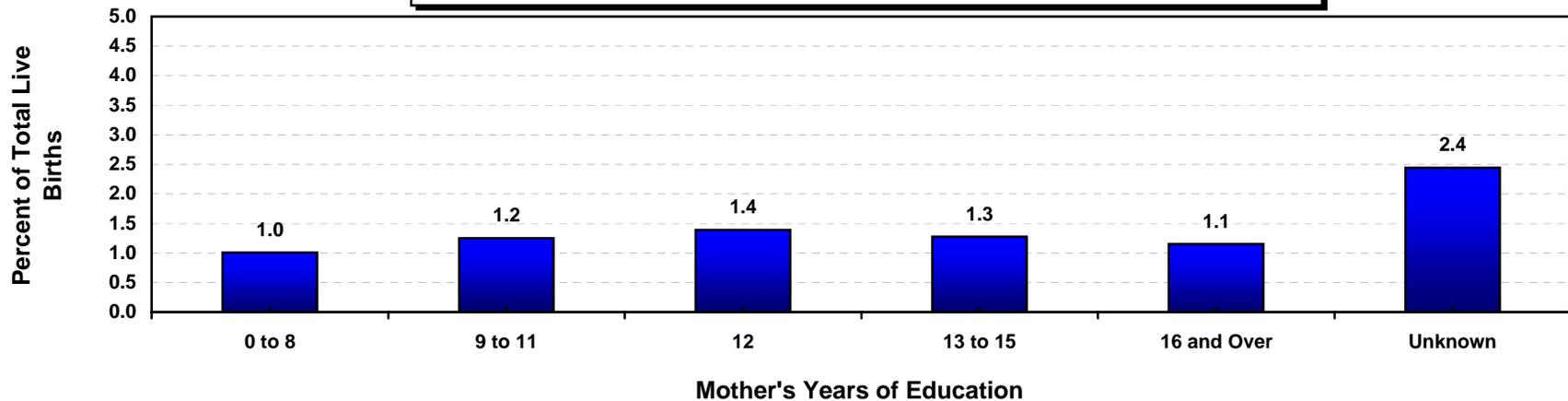
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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.

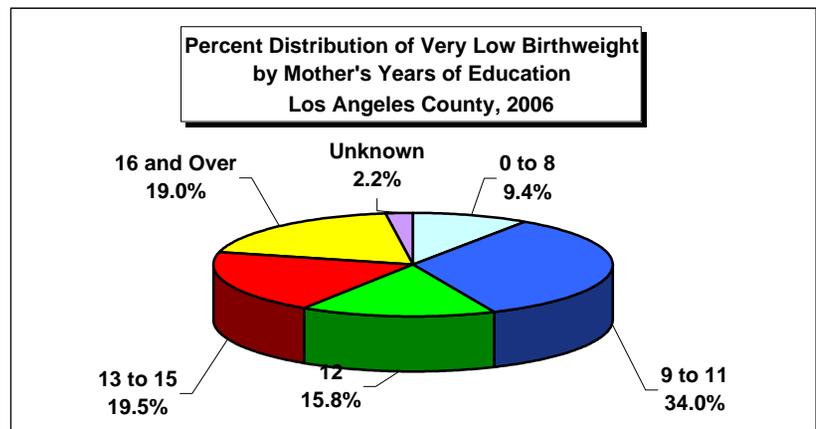
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Years of Education	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	177	1.0	0.9	1.2
9 to 11	640	1.2	1.2	1.3
12	298	1.4	1.2	1.5
13 to 15	367	1.3	1.1	1.4
16 and Over	358	1.1	1.0	1.3
Unknown	41	2.4	1.7	3.2
Total	1,881	1.2	1.2	1.3

Total Live Births
17,579
51,205
21,441
28,791
31,142
1,679
151,837



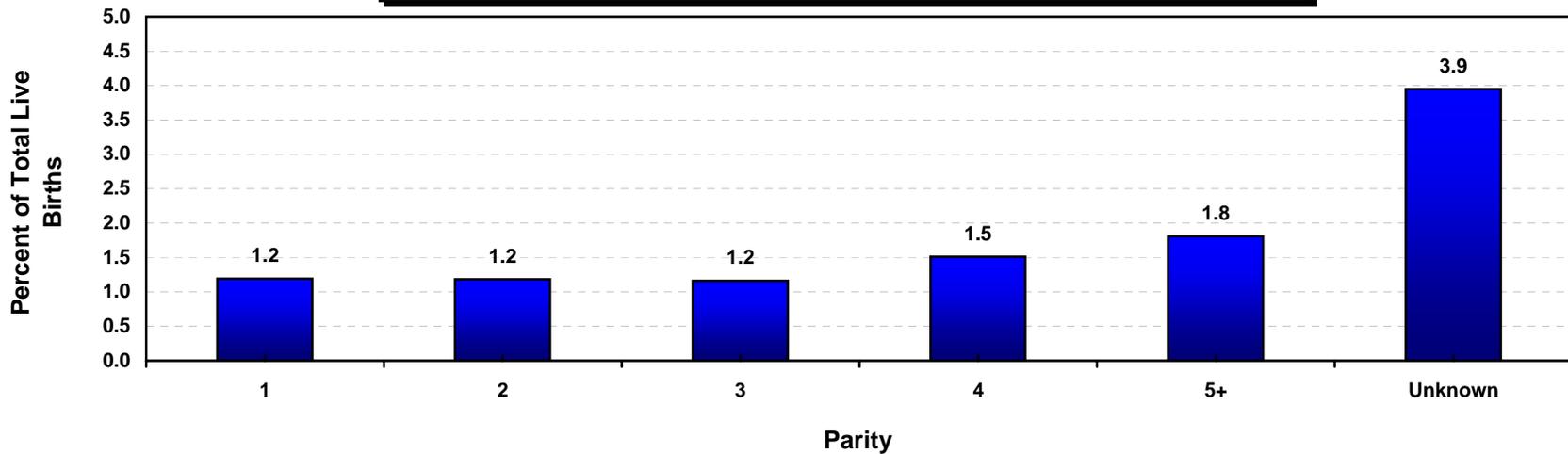
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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.

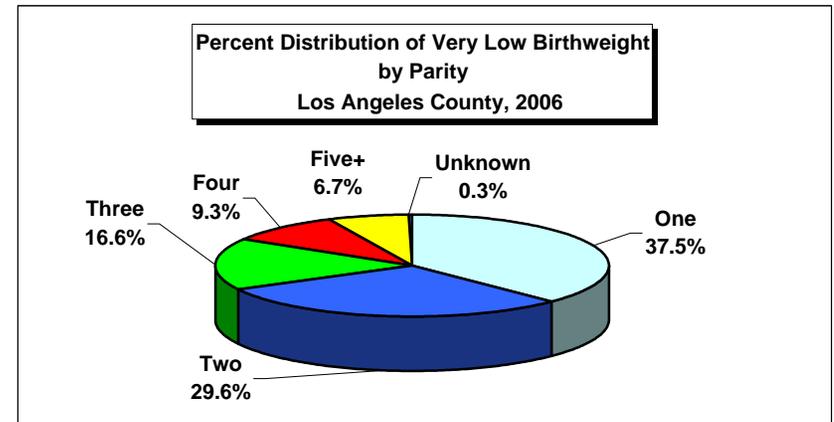
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

**Very Low Birthweight Live Births, as Percent of Total Live Births
by Parity
Los Angeles County, 2006**



Los Angeles County, 2006				
Parity	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	706	1.2	1.1	1.3
2	557	1.2	1.1	1.3
3	312	1.2	1.0	1.3
4	174	1.5	1.3	1.7
5+	126	1.8	1.5	2.1
Unknown	6	3.9	0.9	7.0
Total	1,881	1.2	1.2	1.3

Total Live Births
59,192
47,120
26,871
11,534
6,968
152
151,837



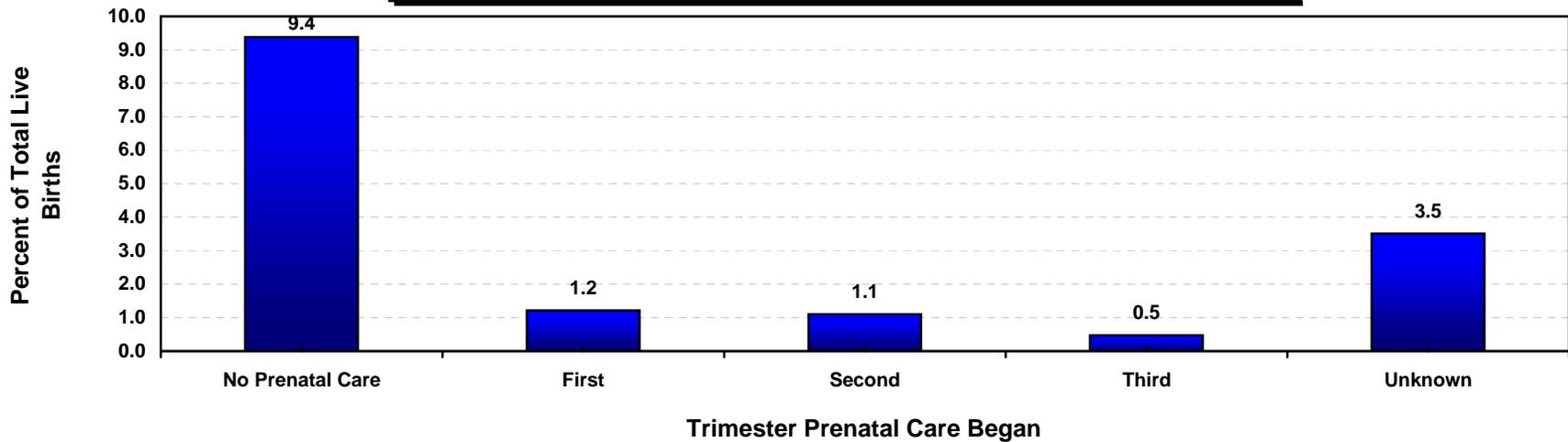
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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, 2006.

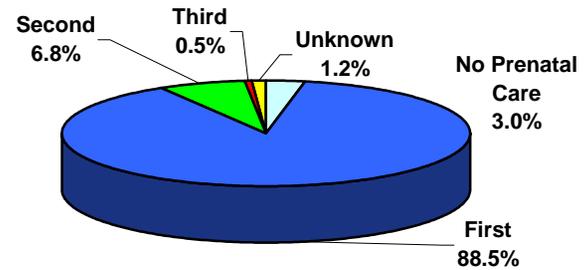
**Very Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Trimester Prenatal Care Began	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	56	9.4	7.0	11.7
First	1,665	1.2	1.2	1.3
Second	128	1.1	0.9	1.3
Third	9	0.5	0.2	0.8
Unknown	23	3.5	2.1	4.9
Total	1,881	1.2	1.2	1.3

Total Live Births
597
137,077
11,606
1,902
655
151,837

**Percent Distribution of Very Low Birthweight
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2006**



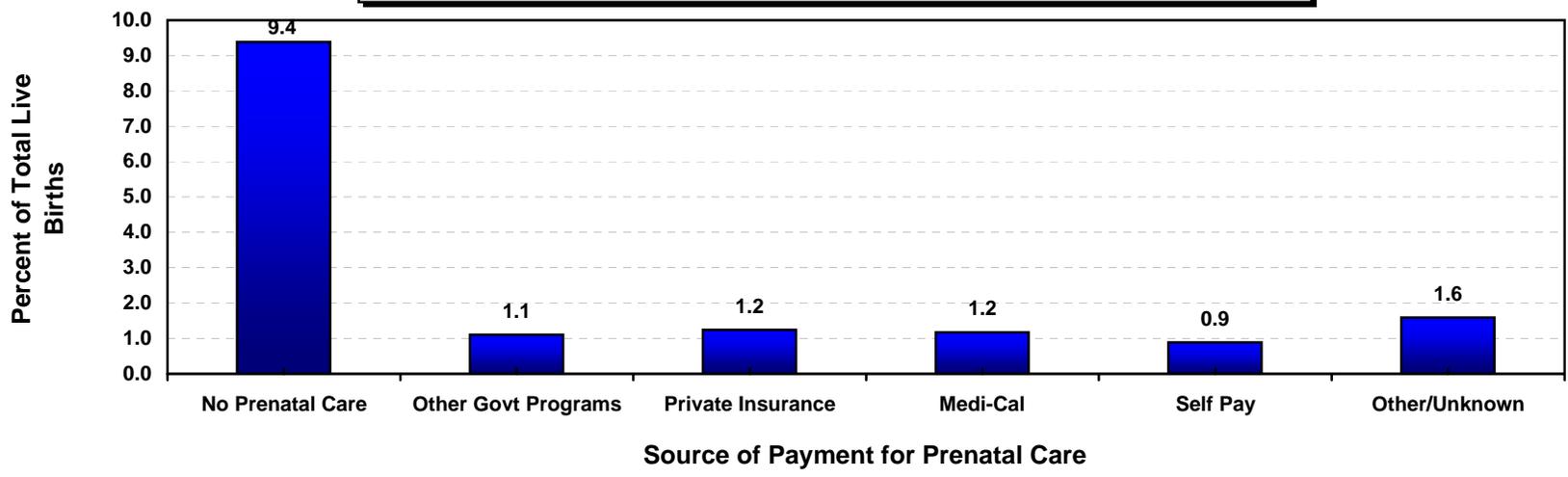
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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.

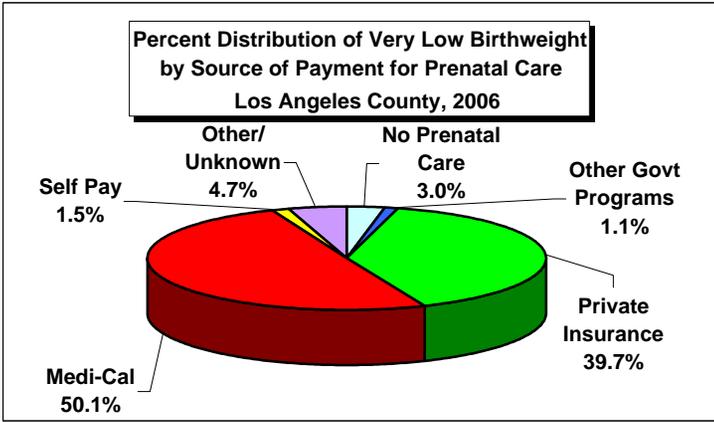
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006.

Very Low Birthweight Live Births, as Percent of Total Live Births by Source of Payment for Prenatal Care (PNC) Los Angeles County, 2006



Los Angeles County, 2006				
Source of Payment for Prenatal Care	Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	56	9.4	7.0	11.7
Other Govt Programs	20	1.1	0.6	1.6
Private Insurance	746	1.2	1.2	1.3
Medi-Cal	943	1.2	1.1	1.2
Self Pay	28	0.9	0.6	1.2
Other/Unknown	88	1.6	1.3	1.9
Total	1,881	1.2	1.2	1.3

Total Live Births
597
1,808
60,091
80,631
3,167
5,542
151,836



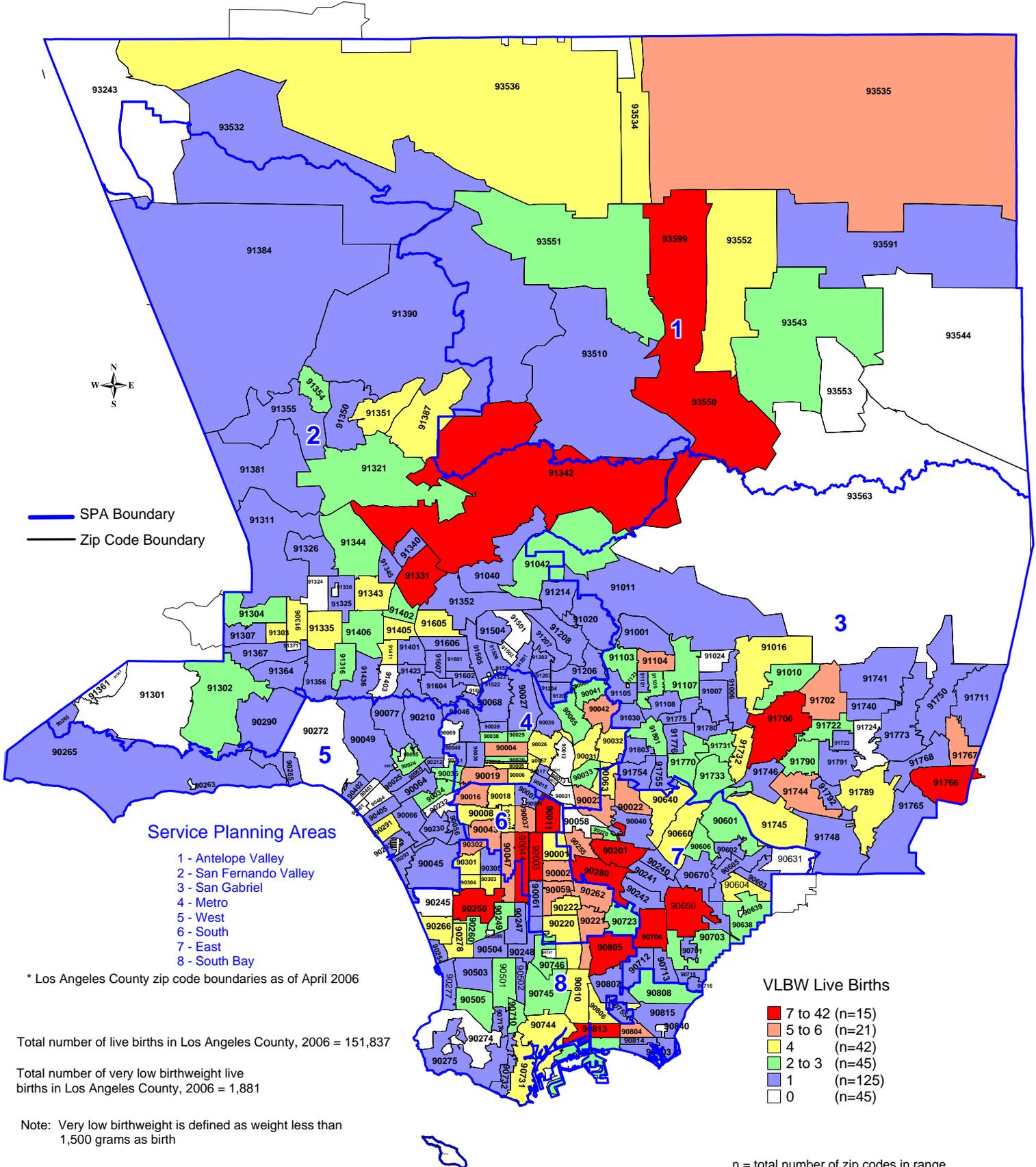
Year 2010 Objective: Reduce very low birthweight births to an incidence of no more than 0.9 percent of live births.

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, 2006.

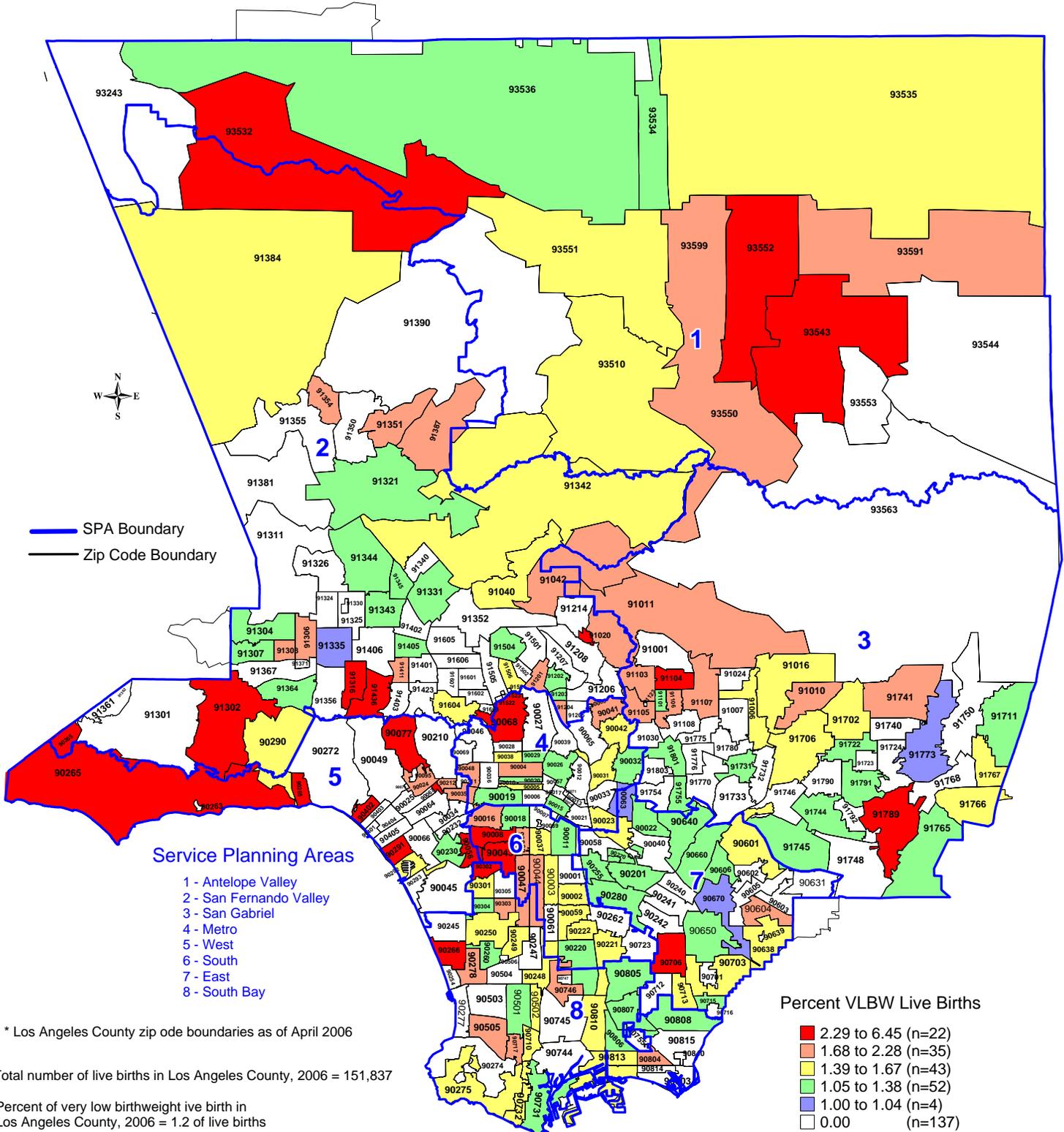
Number of Very Low Birthweight (VLBW) Live Birth by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2006



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

Los Angeles County, 2006



* Los Angeles County zip code boundaries as of April 2006

Total number of live births in Los Angeles County, 2006 = 151,837

Percent of very low birthweight live birth in Los Angeles County, 2006 = 1.2 of live births

HP 2010 Target : 0.9 % of live births

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

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

n = total number of zip codes in range