

LOW BIRTHWEIGHT

TITLE V INDICATOR TEMPLATES

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:

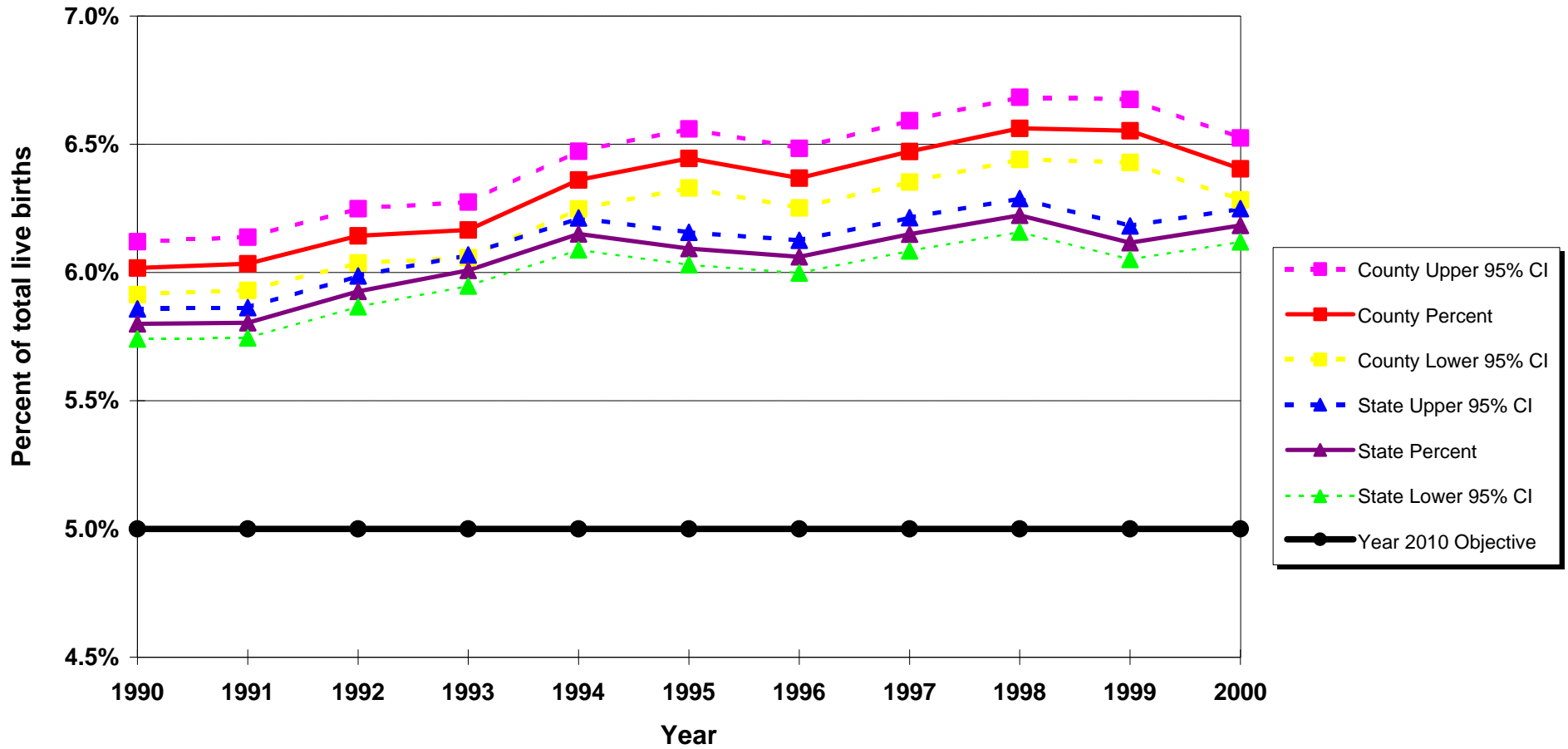
Reduce low birthweight to an incidence of no more than 5 percent of live births. (Baseline: 7.6 percent in 1998) (Objective 16-10a)

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 interval; 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 pre-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				LA County				DENOMINATOR: Live Births	
	Low Birthweight		95% Confidence Interval		Low Birthweight		95% Confidence Interval			
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper	California	LA County
1990	35,474	5.8%	5.7%	5.9%	12,283	6.0%	5.9%	6.1%	611,666	204,124
1991	35,359	5.8%	5.7%	5.9%	12,234	6.0%	5.9%	6.1%	609,228	202,737
1992	35,608	5.9%	5.9%	6.0%	12,127	6.1%	6.0%	6.2%	600,838	197,415
1993	35,116	6.0%	5.9%	6.1%	11,698	6.2%	6.1%	6.3%	584,483	189,706
1994	34,876	6.2%	6.1%	6.2%	11,474	6.4%	6.2%	6.5%	567,034	180,394
1995	33,588	6.1%	6.0%	6.2%	11,270	6.4%	6.3%	6.6%	551,226	174,862
1996	32,649	6.1%	6.0%	6.1%	10,761	6.4%	6.3%	6.5%	538,628	168,973
1997	32,232	6.1%	6.1%	6.2%	10,487	6.5%	6.4%	6.6%	524,174	162,036
1998	32,438	6.2%	6.2%	6.3%	10,408	6.6%	6.4%	6.7%	521,265	158,604
1999	31,686	6.1%	6.1%	6.2%	10,232	6.6%	6.4%	6.7%	518,073	156,153
2000	32,853	6.2%	6.1%	6.2%	10,080	6.4%	6.3%	6.5%	531,285	157,391

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1990-2000

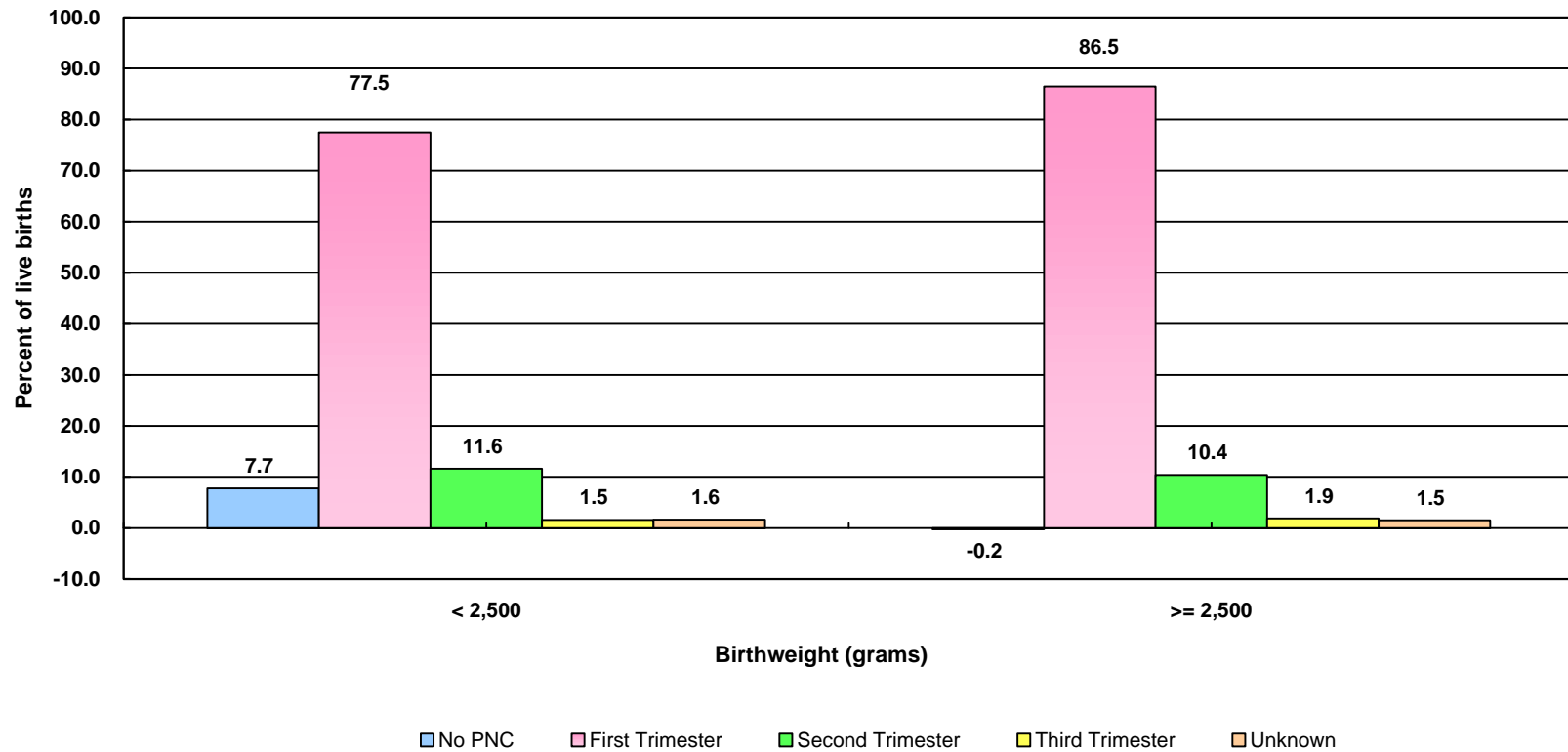
Percent of Low Birthweight California vs. Los Angeles County, 1990 - 2000



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

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1990-2000

**Percent of Live Births by Mother's Trimester Prenatal Care (PNC) Began* by Birthweight
Los Angeles County, 2000**



	Birthweight (grams)			
	< 2,500		≥ 2,500	
Trimester	Number	Percent	Number	Percent
No PNC	1000	7.7	-271	-0.2
First	10,000	77.5	125,356	86.5
Second	1,500	11.6	15,022	10.4
Third	200	1.5	2,696	1.9
Unknown	209	1.6	2,181	1.5
Total	12,909	100.0	144,984	100.0

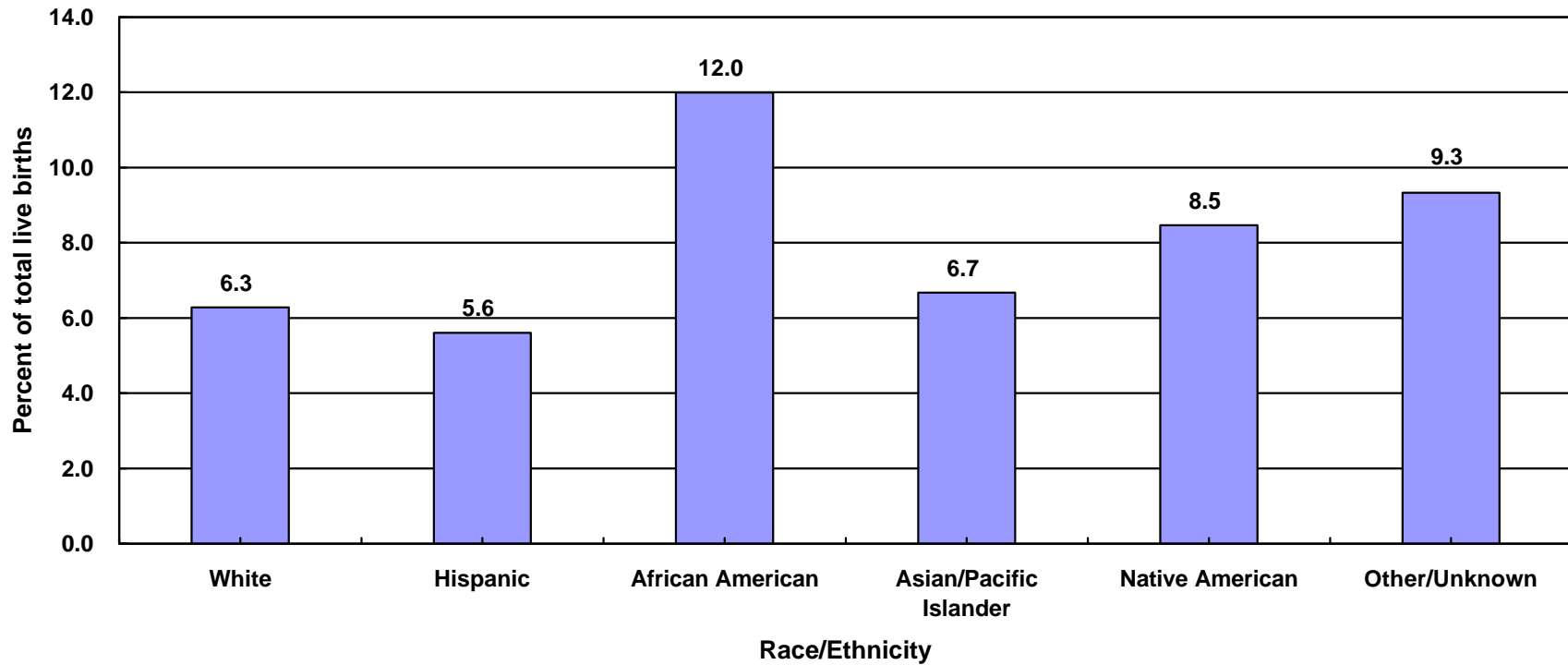
Note: Live births with unknown birthweight were excluded from this analysis.

* 'Trimester Prenatal Care Began' excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

'PNC' = Prenatal Care

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

**Low Birthweight Live Births, as Percent of Total Live Births,
by Mother's Race/Ethnicity***
Los Angeles County, 2000



	Race/Ethnicity											
	White		Hispanic		African American		Asian/Pacific Islander		Native American		Other/Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	1,827	6.3	5,478	5.6	1,616	12.0	1,095	6.7	21	8.5	43	9.3
Total	29,094	100.0	97,719	100.0	13,468	100.0	16,401	100.0	248	100.0	461	100.0

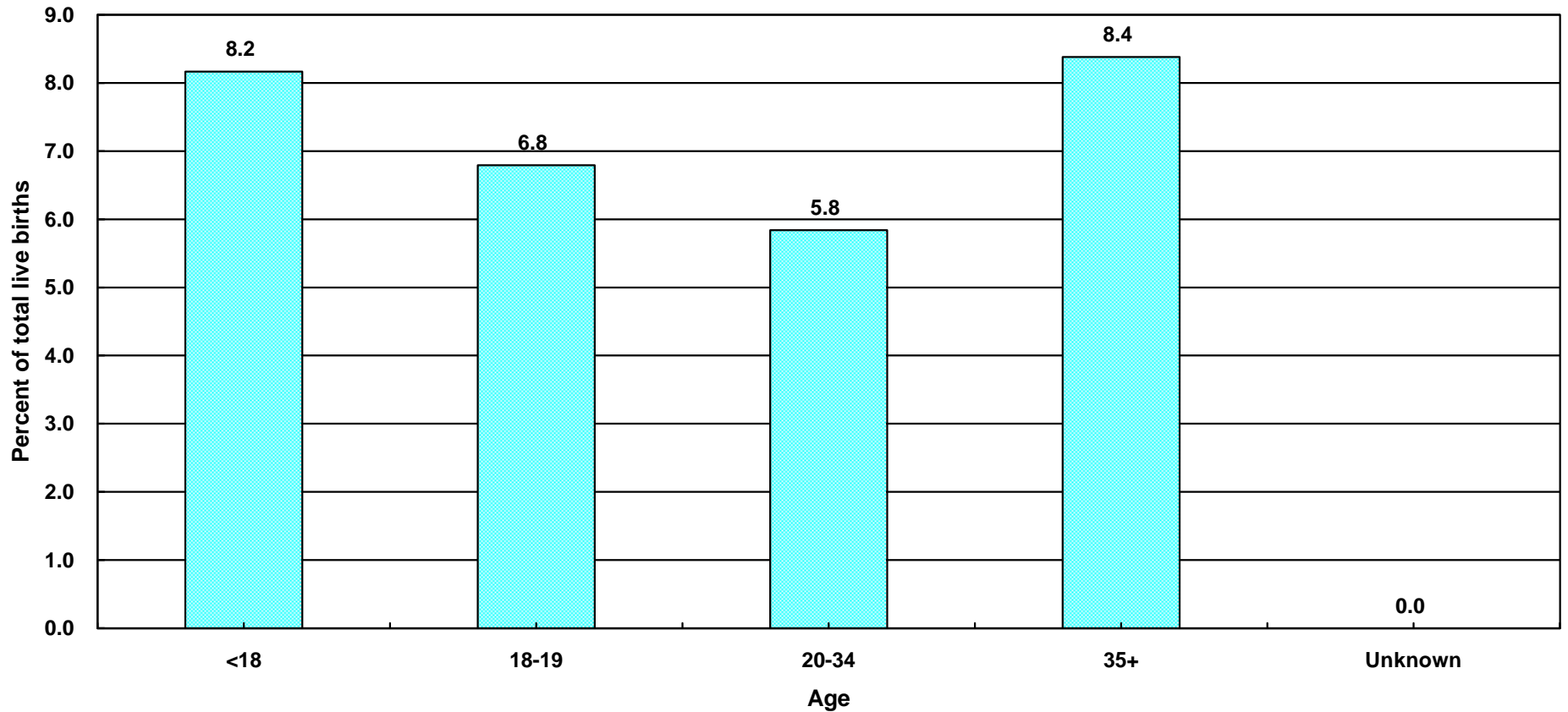
Year 2010 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

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

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, 2000

Low Birthweight Live Births, as Percent of Total Live Births, by Mother's Age Los Angeles County, 2000



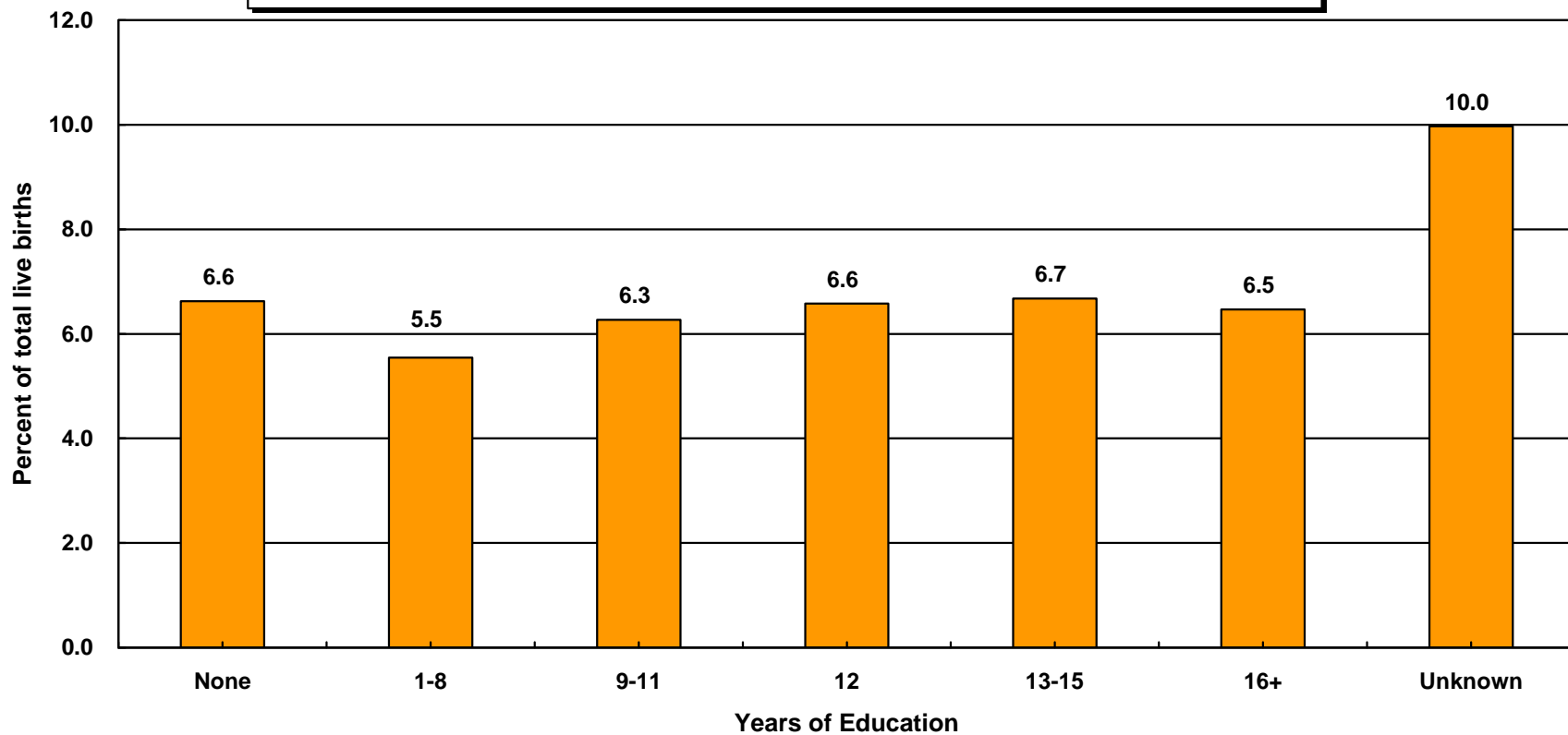
	Age									
	< 18		18 - 19		20 - 34		35+		Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	496	8.2	734	6.8	6,723	5.8	2,127	8.4	0	0.0
Total	6,075	100.0	10,807	100.0	115,111	100.0	25,385	100.0	13	100.0

Year 2010 Objective: Reduce low birthweight 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 Health Services, Center for Health Statistics, Vital Statistics, 2000

**Low Birthweight Live Births, as Percent of Total Live Births,
by Mother's Years of Education
Los Angeles County, 2000**



	Years of Education													
	None		1 - 8		9 - 11		12		13 - 15		16+		Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	33	6.6	1,253	5.5	2,054	6.3	2,897	6.6	1,822	6.7	1,821	6.5	200	10.0
Total	498	100.0	22,587	100.0	32,779	100.0	44,050	100.0	27,300	100.0	28,171	100.0	2,006	100.0

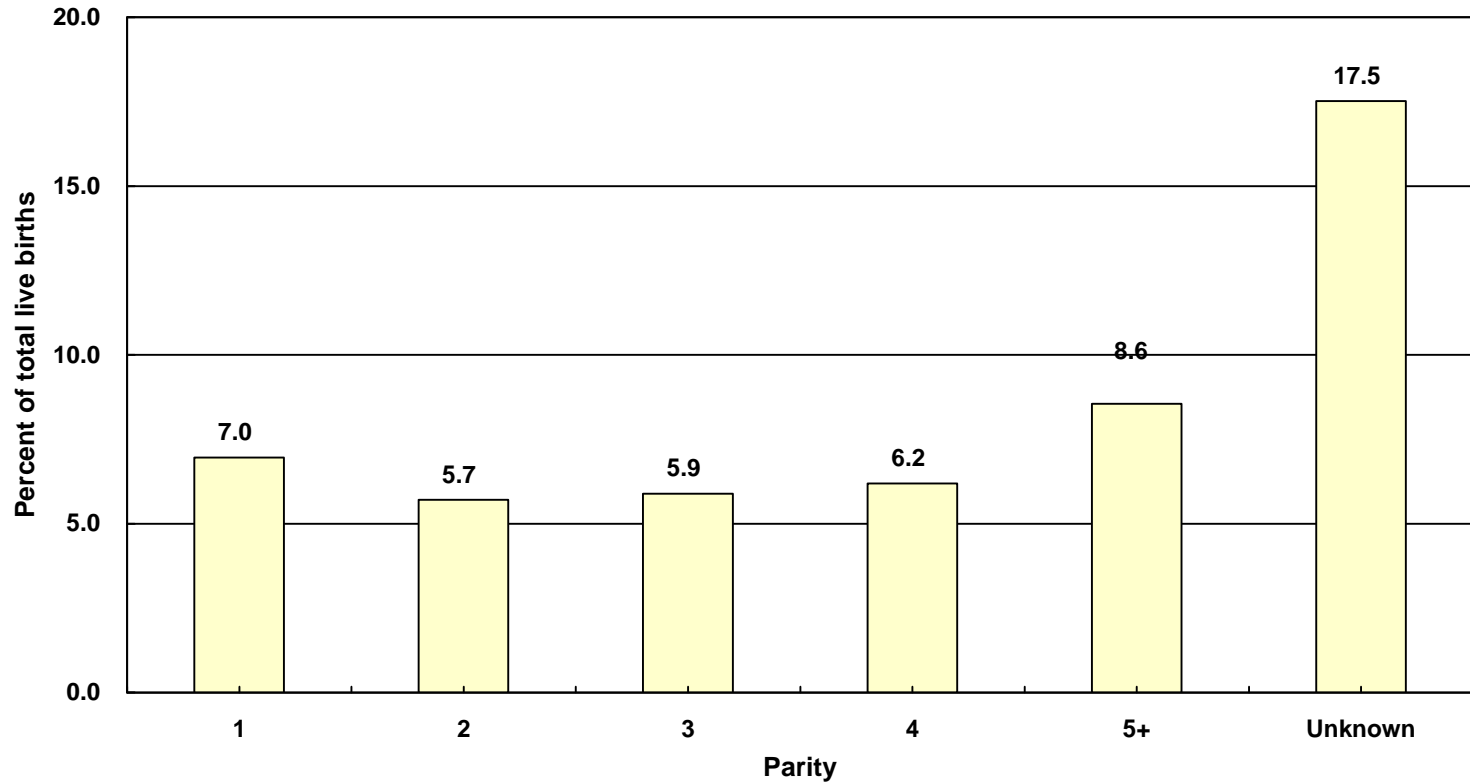
Year 2010 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

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 education level.

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

**Low Birthweight Live Births, as Percent of Total Live Births,
by Parity
Los Angeles County, 2000**



	Parity											
	1		2		3		4		5+		Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	4,119	7.0	2,816	5.7	1,663	5.9	754	6.2	704	8.6	24	17.5
Total	59,219	100.0	49,352	100.0	28,265	100.0	12,187	100.0	8,231	100.0	137	100.0

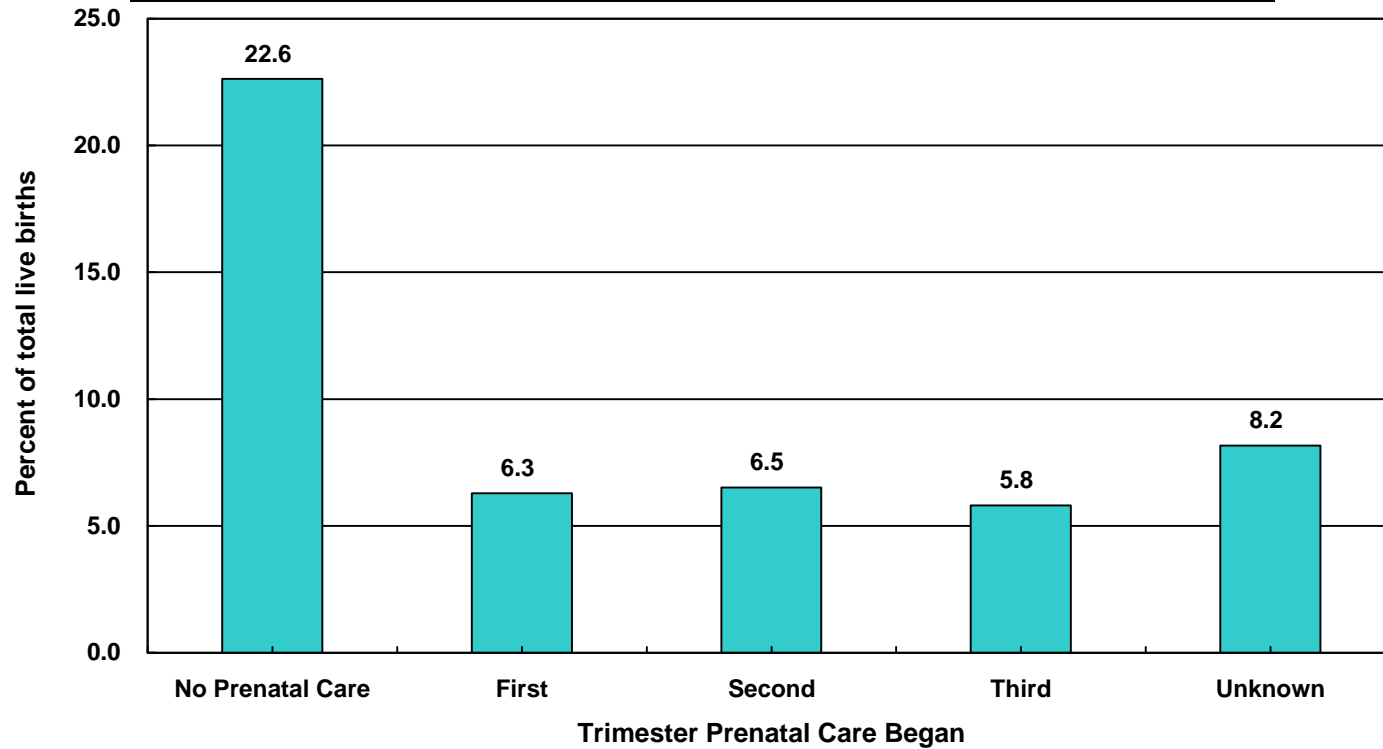
Year 2010 Objective: Reduce low birthweight to an incidence of no more than 5 percent of live births.

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

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, 2000

**Low Birthweight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began*
Los Angeles County, 2000**



	Trimester Prenatal Care Began									
	No Prenatal Care		First		Second		Third		Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	165	22.6	8,508	6.3	1,047	6.5	166	5.8	194	8.2
Total	729	100.0	135,356	100.0	16,069	100.0	2,862	100.0	2,375	100.0

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

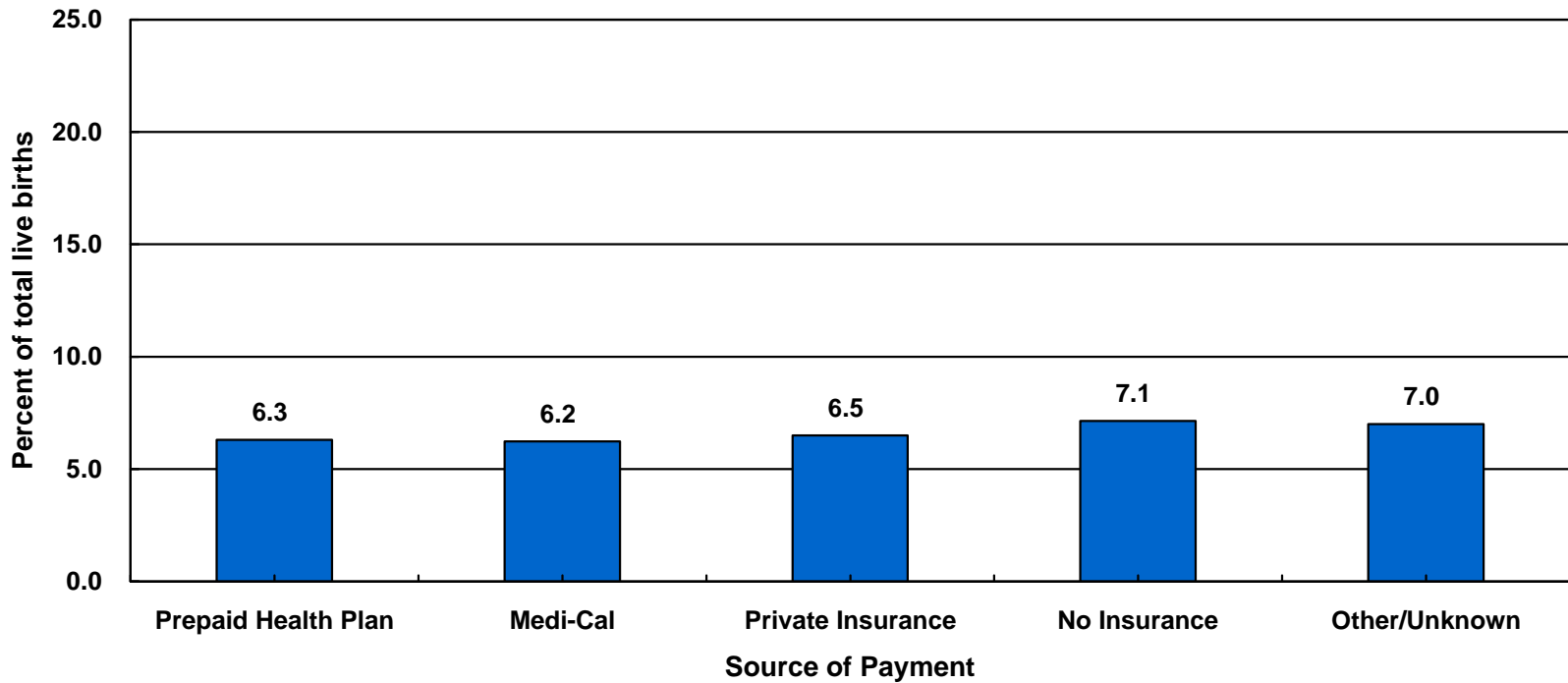
Note: Low birthweight is defined as weight less than 2,500 grams at birth.

* 'Trimester Prenatal Care Began' excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

'PNC' = Prenatal Care

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

**Low Birthweight Live Births, as Percent of Total Live Births,
by Payment Source for Prenatal Care (PNC*)
Los Angeles County, 2000**



	Source of Payment											
	Prepaid Health Plan		Medi-Cal		Private Insurance		No Insurance		Other/Unknown		No Prenatal Care	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<2,500 grams	2,898	6.3	4,684	6.2	1,993	6.5	267	7.1	72	7.0	166	22.7
Total	46,015	100.0	75,181	100.0	30,699	100.0	3,738	100.0	1,028	100.0	730	100.0

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

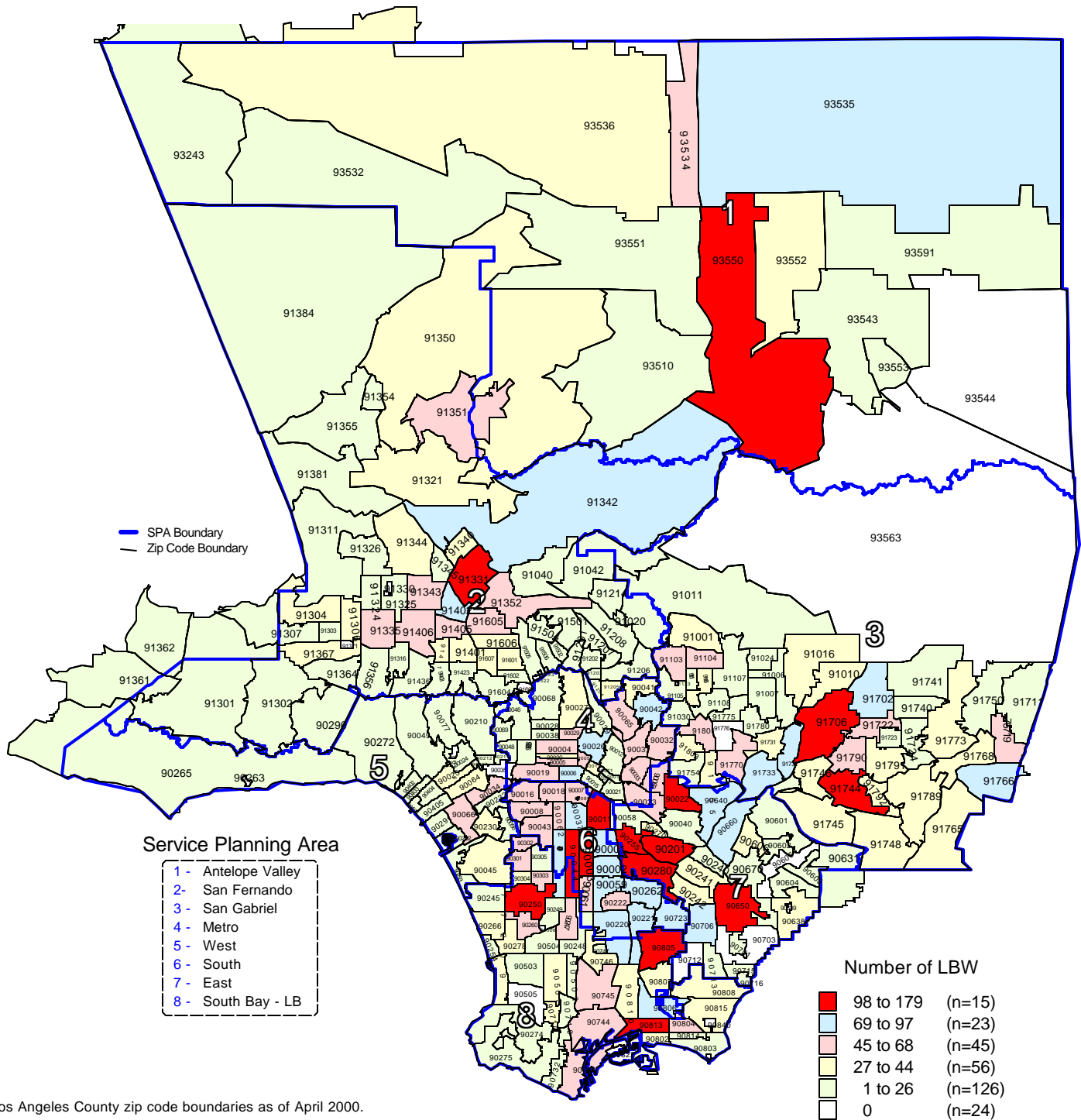
Note: Low birthweight is defined as weight less than 2,500 grams at birth

* Prenatal Care

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

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

Los Angeles County, 2000



* Los Angeles County zip code boundaries as of April 2000.

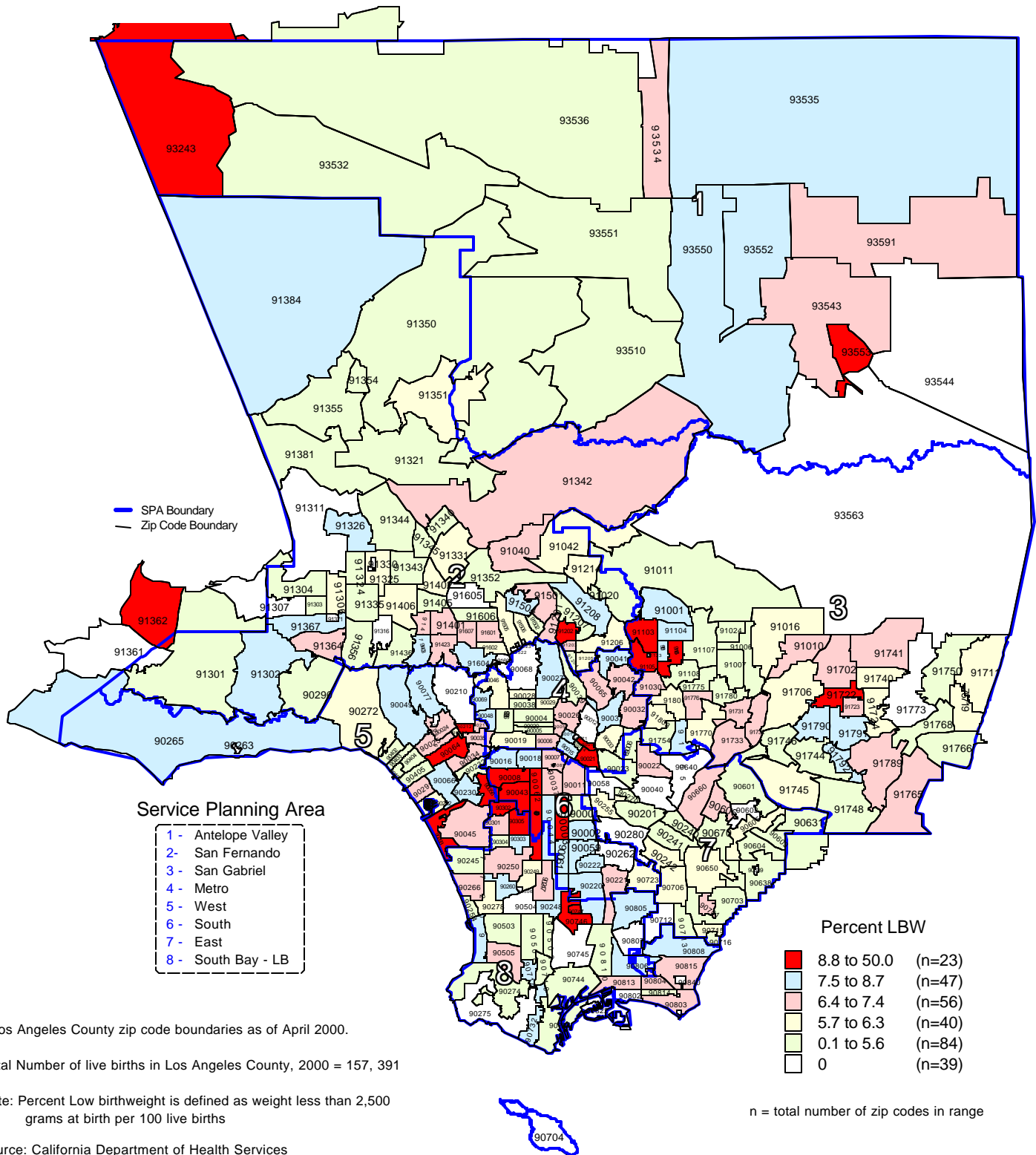
Total Number of live births in Los Angeles County, 2000 = 157,391
Note: Low birthweight is defined as weight less than 2,500 grams at birth

n = total number of zip codes in range

Source: California Department of Health Services
Center for Health Statistics, Vital Statistics, 2000

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

Los Angeles County, 2000



* Los Angeles County zip code boundaries as of April 2000.

Total Number of live births in Los Angeles County, 2000 = 157,391

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

Source: California Department of Health Services
Center for Health Statistics, Vital Statistics, 2000

TITLE V INDICATOR TEMPLATES

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 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)

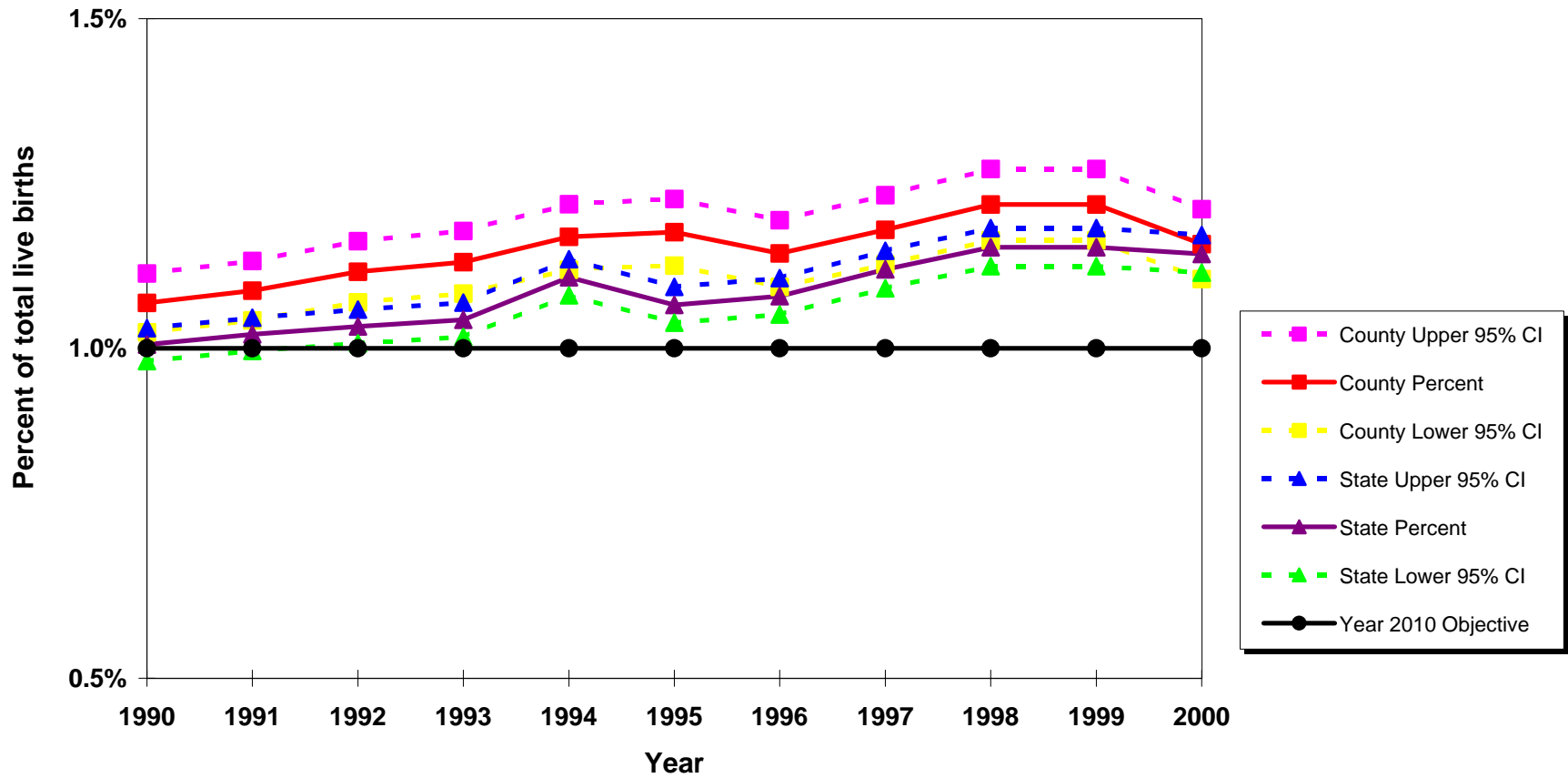
See also risk factors for low birthweight.

Year	California				LA County			
	Very Low Birthweight		95% Confidence Interval		Very Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
1990	6,152	1.01%	0.98%	1.03%	2,182	1.07%	1.02%	1.11%
1991	6,223	1.02%	1.00%	1.05%	2,205	1.09%	1.04%	1.13%
1992	6,209	1.03%	1.01%	1.06%	2,204	1.12%	1.07%	1.16%
1993	6,099	1.04%	1.02%	1.07%	2,145	1.13%	1.08%	1.18%
1994	6,282	1.11%	1.08%	1.14%	2,109	1.17%	1.12%	1.22%
1995	5,877	1.07%	1.04%	1.09%	2,057	1.18%	1.13%	1.23%
1996	5,812	1.08%	1.05%	1.11%	1,933	1.14%	1.09%	1.19%
1997	5,869	1.12%	1.09%	1.15%	1,912	1.18%	1.13%	1.23%
1998	6,013	1.15%	1.12%	1.18%	1,932	1.22%	1.16%	1.27%
1999	5,950	1.15%	1.12%	1.18%	1,993	1.28%	1.22%	1.33%
2000	6,075	1.14%	1.11%	1.17%	1,823	1.16%	1.11%	1.21%

DENOMINATOR: Live Births	
California	LA County
611,666	204,124
609,228	202,737
600,838	197,415
584,483	189,706
567,034	180,394
551,226	174,862
538,628	168,973
524,174	162,036
521,265	158,604
518,073	156,153
531,285	157,391

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1990-2000

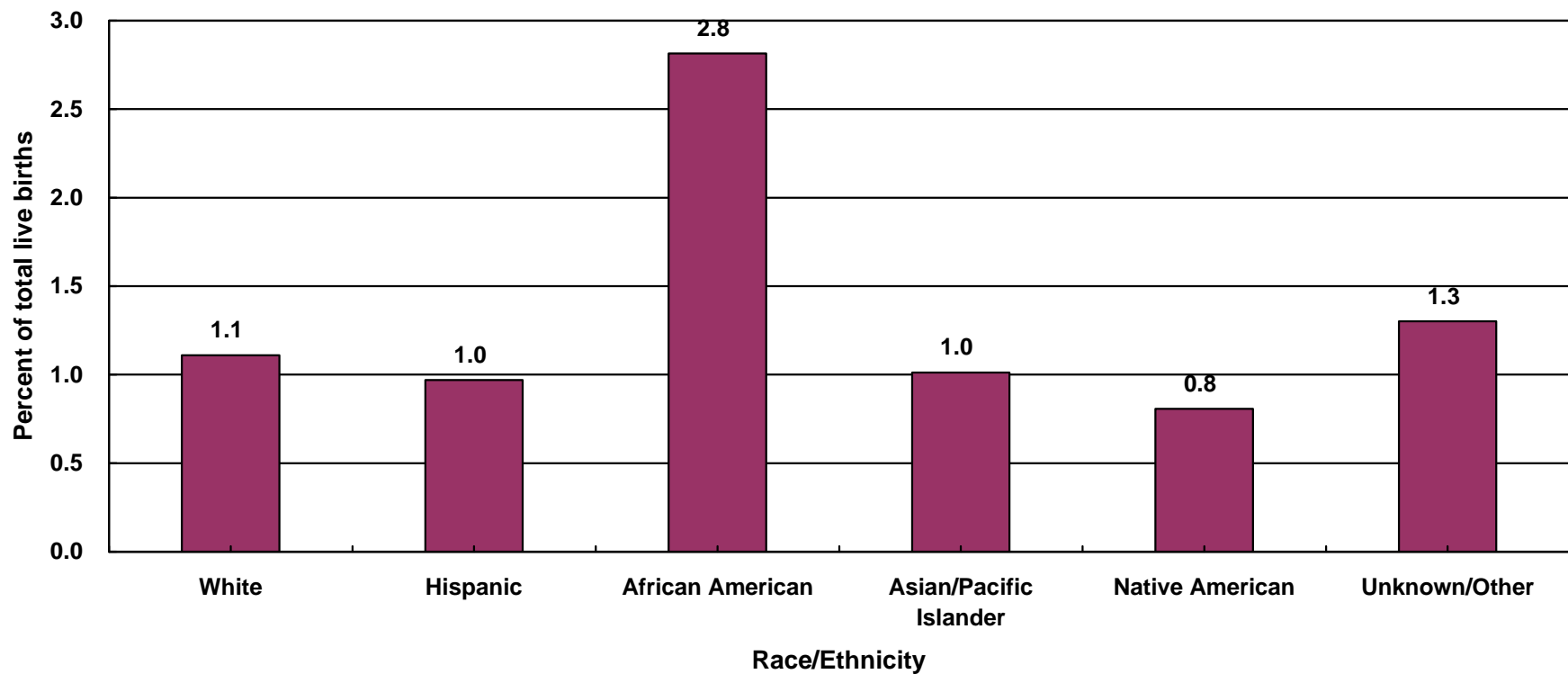
Percent of Very Low Birthweight California vs. Los Angeles County, 1990 - 2000



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

Source: California Department of Health Service, Center for Health Statistics, Vital Statistics, 1990-2000

**Very Low Birthweight Live Births, as Percent of Total Live Births,
by Mother's Race/Ethnicity*
Los Angeles County, 2000**



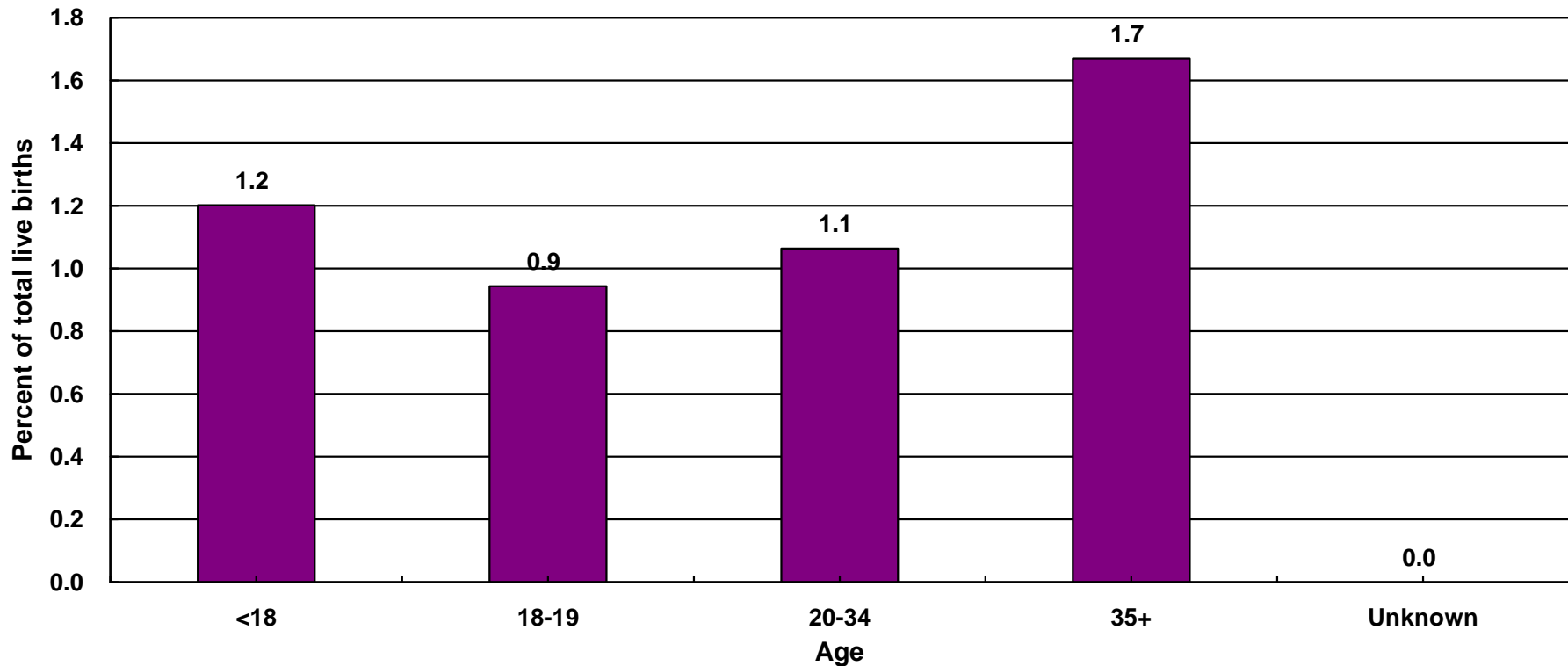
	Race/ Ethnicity											
	White		Hispanic		African American		Asian/Pacific Islander		Native American		Unknown/Other	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	323	1.1	947	1.0	379	2.8	166	1.0	2	0.8	6	1.3
Total	29,094	100.00	97,719	100.00	13,468	100.00	16,401	100.00	248	100.00	461	100.00

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

Note: * White, African American, Asian/Pacific Islander, Native American and other races exclude Hispanic ethnicity. Hispanic includes any race category. Very low birthweight is defined as weight less than 1,500 grams at birth.

Source: California Department of Health Service, Center for Health Statistics, Vital Statistics, 2000

**Very Low Birthweight Live Births, as Percent of Total Live Births,
by Mother's Age
Los Angeles County, 2000**



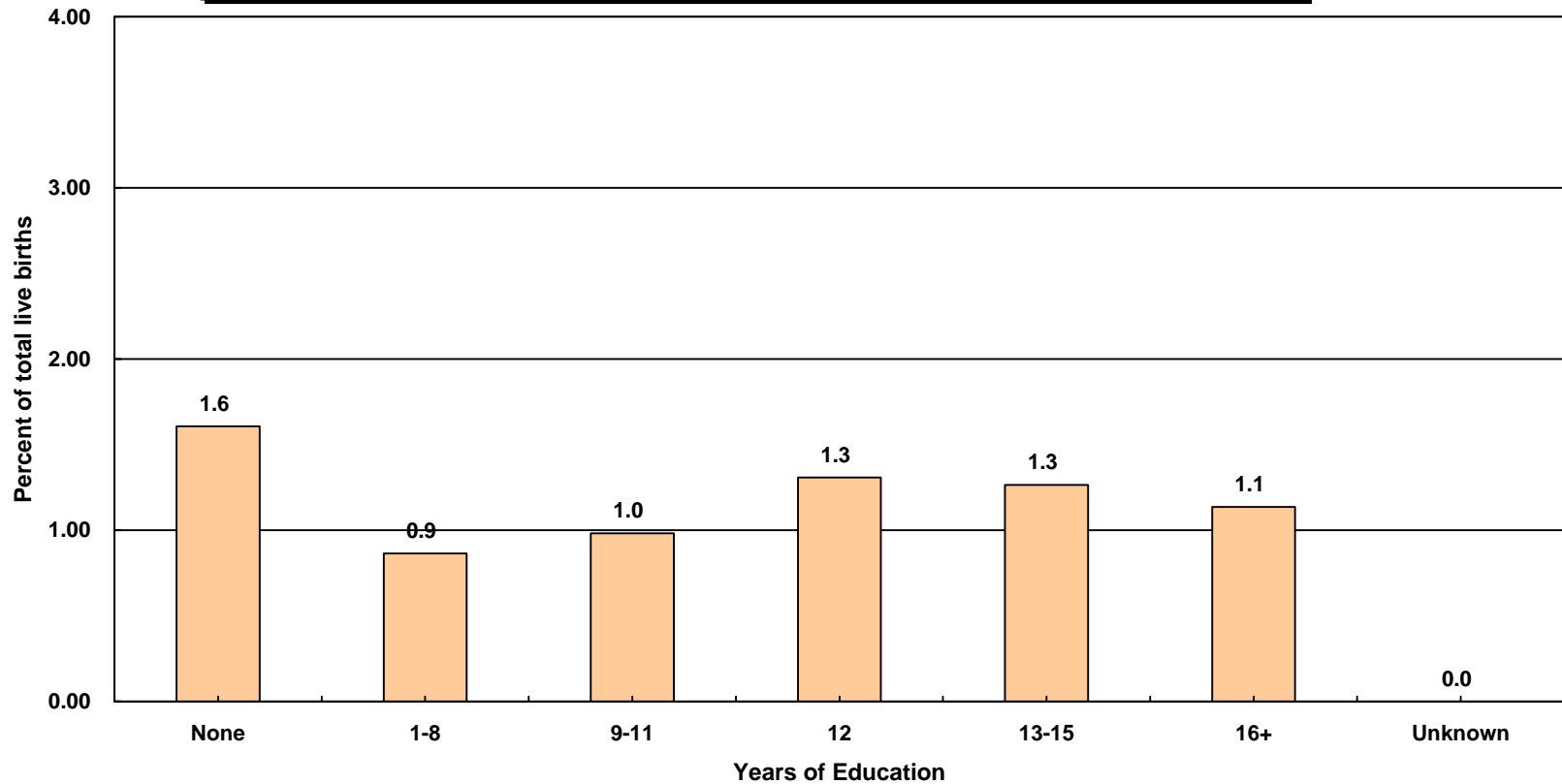
	Age									
	<18		18-19		20-34		35+		Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	73	1.2	102	0.9	1,224	1.1	424	1.7	0	0.0
Total	6,075	100.00	10,807	100.00	115,111	100.00	25386	100.00	12	100.00

Year 2010 Objective: Reduce very low birthweight 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 Health Services, Center for Health Statistics, Vital Statistics, 2000

**Very Low Birthweight Live Births, as Percent of Total Live Births,
by Mother's Years of Education
Los Angeles County, 2000**



	Years of Education													
	None		1-8		9-11		12		13-15		16+		Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	8	1.6	195	0.9	322	1.0	576	1.3	345	1.3	320	1.1	0	0.0
Total	498	100.00	22,587	100.00	32,779	100.00	44,050	100.00	27,300	100.00	28,171	100.00	2,006	100.00

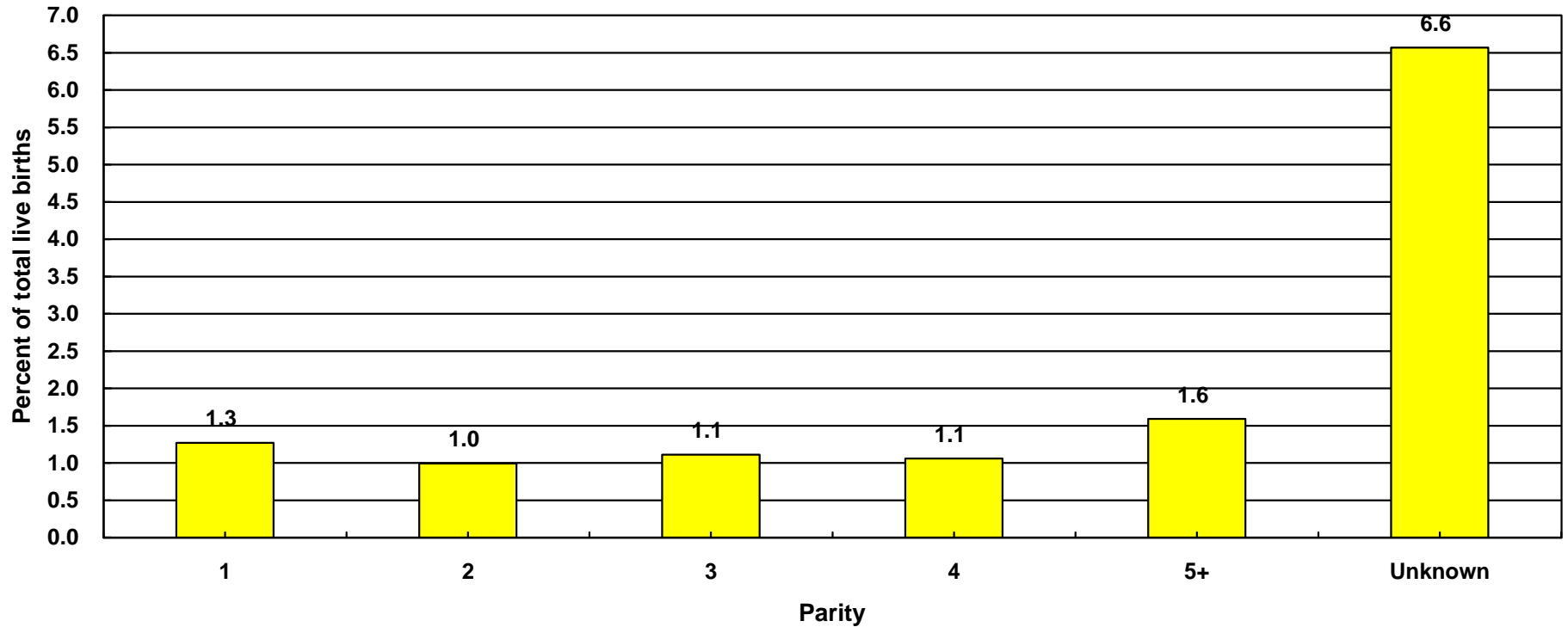
Year 2010 Objective: Reduce very low birthweight to an incidence of no more than 0.9 percent of live births

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 categorical education level.

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

**Very Low Birthweight Live Births, as Percent of Total Live Births,
by Parity
Los Angeles County, 2000**



	Parity											
	1		2		3		4		5+		Unknown	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	751	1.3	489	1.0	314	1.1	129	1.1	131	1.6	9	6.6
Total	59,219	100.00	49,352	100.00	28,265	100.00	12,187	100.00	8,231	100.00	137	100.00

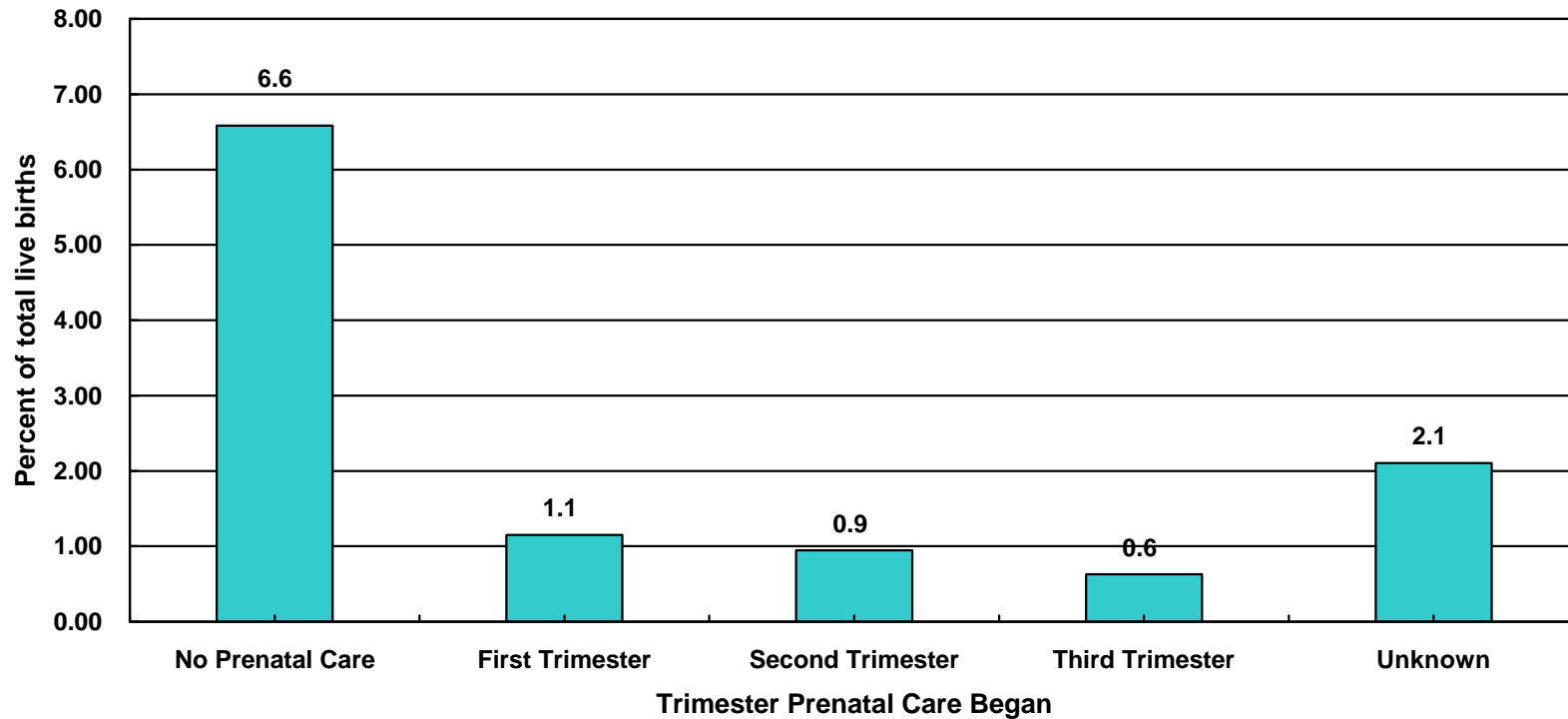
Year 2010 Objective: Reduce very low birthweight to an incidence of no more than 0.9 percent of live births

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

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

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

**Very Low Birthweight Live Births, as Percent of Total Live Births,
by Mother's Trimester Prenatal Care (PNC) Began*
Los Angeles County, 2000**



Birthweight	Trimester Prenatal Care Began									
	No Prenatal Care		First Trimester		Second Trimester		Third Trimester		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	48	6.6	1,555	1.1	152	0.9	18	0.6	50	2.1
Total	729	100.00	135,356	100.00	16,069	100.00	2,862	100.00	2,375	100.00

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

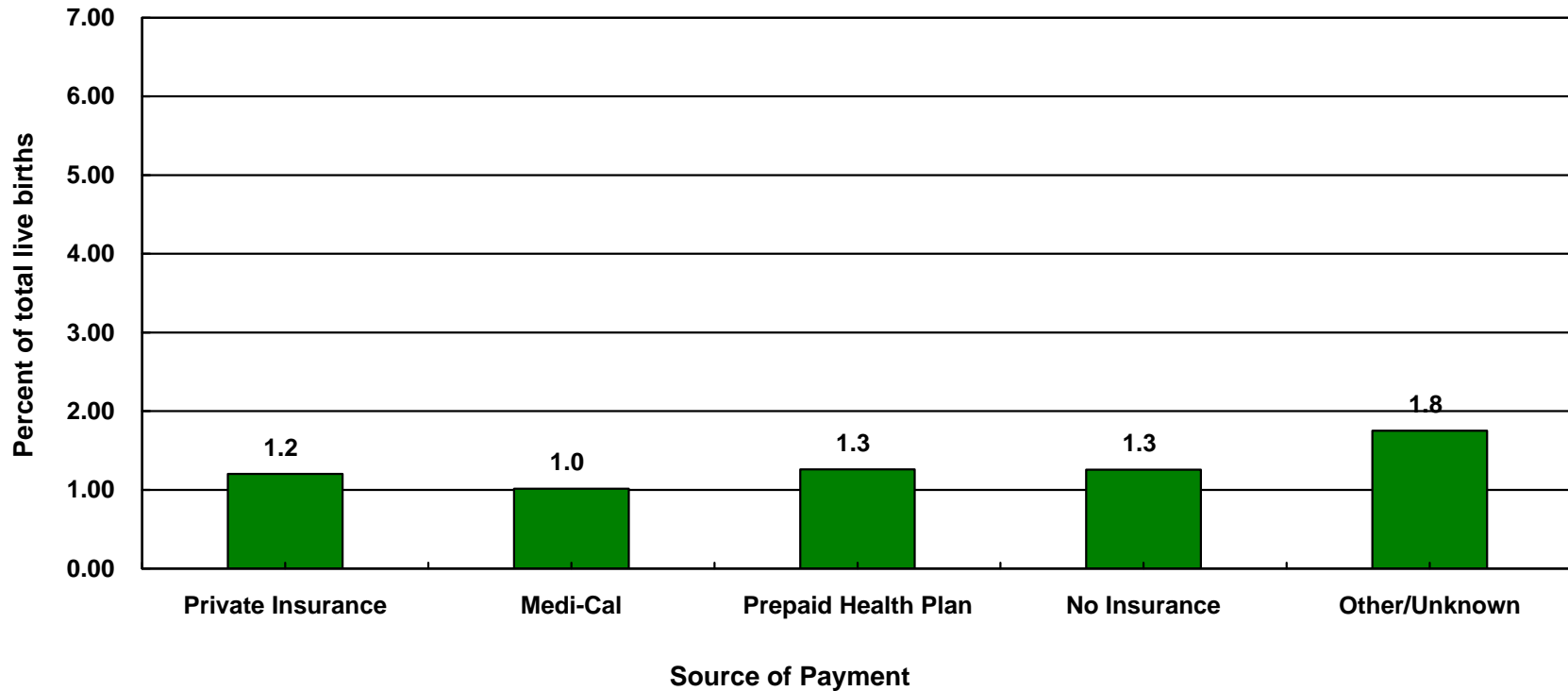
Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

* 'Trimester Prenatal Care Began' excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

'PNC' = Prenatal Care

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

**Very Low Birthweight Live Births, as Percent of Total Live Births,
by Payment Source for Prenatal Care (PNC*)
Los Angeles County, 2000**



	Source of Payment											
	Private Insurance		Medi-Cal		Prepaid Health Plan		No Insurance		Other/Unknown		No Prenatal Care	
Birthweight	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<1,500 grams	369	1.2	762	1.0	579	1.3	47	1.3	18	1.8	48	6.6
Total	30,699	100.00	75,181	100.00	46,015	100.00	3,738	100.00	1,028	100.00	730	100.00

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

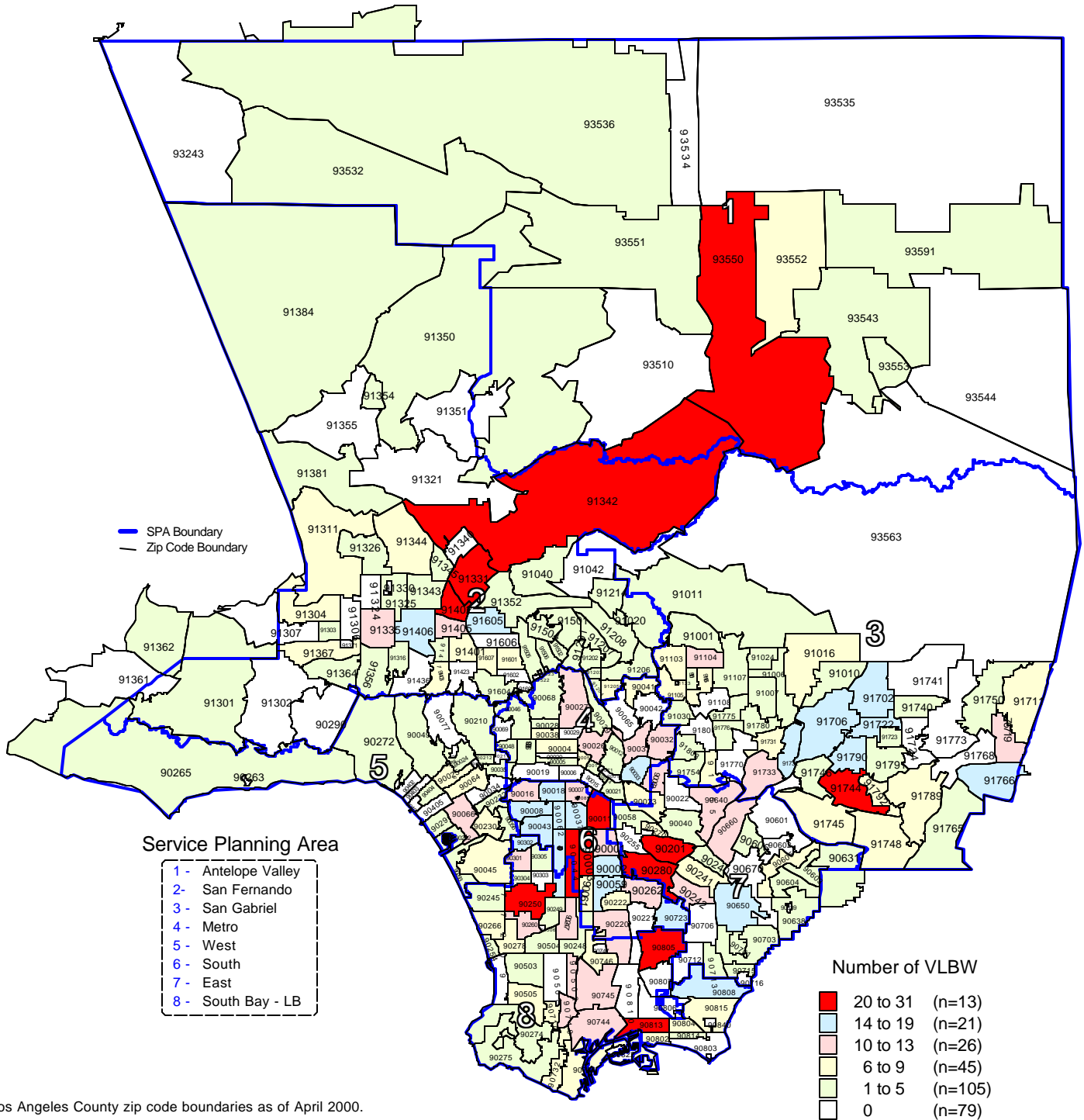
Note: Very low birthweight is defined as weight less than 1,500 grams at birth.

* Prenatal Care

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2000

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

Los Angeles County, 2000



* Los Angeles County zip code boundaries as of April 2000.

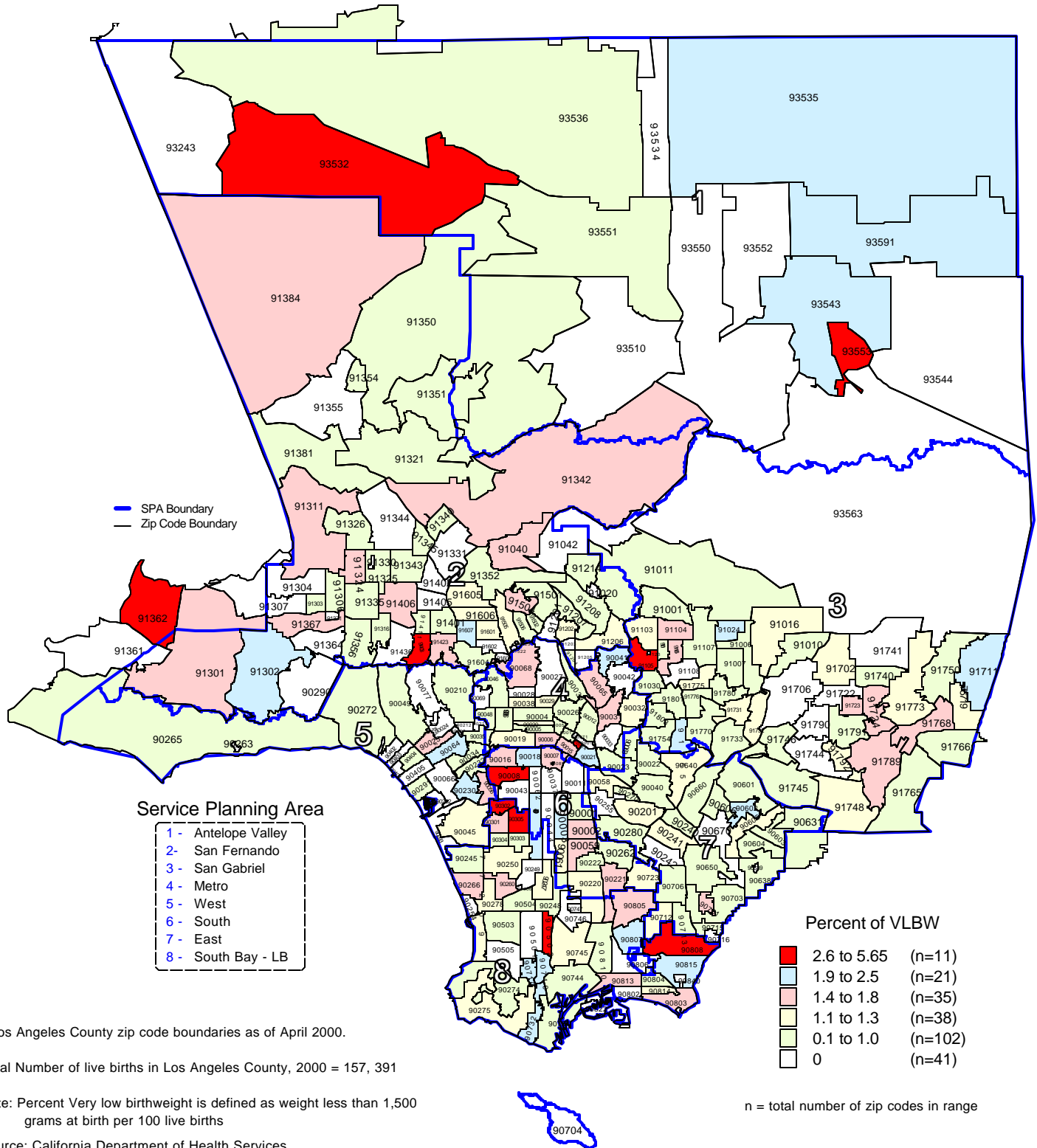
Total Number of live births in Los Angeles County, 2000 = 157,391
 Note: Very low birthweight is defined as weight less than 1,500 grams at birth

n = total number of zip codes in range

Source: California Department of Health Services
 Center for Health Statistics, Vital Statistics, 2000

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

Los Angeles County, 2000



* Los Angeles County zip code boundaries as of April 2000.

Total Number of live births in Los Angeles County, 2000 = 157,391

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

Source: California Department of Health Services
Center for Health Statistics, Vital Statistics, 2000

n = total number of zip codes in range