

# Fertility Rate

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Fertility Rate Among Girls

**DEFINITION:** The number of live births per 1,000 adolescent females by age at delivery (less than 15 years of age, 15 to 17 years of age, 18 to 19 years of age)

**NUMERATOR:** The total number of live births among adolescent females, by age group (less than 15, 15 to 17, 18 to 19), by place of residence, in a calendar year

**DENOMINATOR:** The total number of adolescent females by age group (less than 15, 15 to 17, 18 to 19), by place of residence, in a calendar year

**HEALTHY PEOPLE 2010 OBJECTIVE:**

Reduce pregnancies among adolescent females to no more than 43 pregnancies per 1,000 adolescents. (Baseline: 68 pregnancies per 1,000 females aged 15 to 17 years in 1996) (Objective 9-7)

**HEALTHY PEOPLE 2020 OBJECTIVE:**

Reduce pregnancies among adolescent females to no more than 36 pregnancies per 1,000 adolescents. (Baseline: 40.2 pregnancies per 1,000 females aged 15 to 17 years in 2005) (Objective FP-8.1)

**RISK FACTORS:**

Low income; low maternal education level; race/ethnicity (African American, Hispanic); lack of effective contraceptive use/family planning practices; lack of education/counseling regarding contraceptive use/family planning; previous teen pregnancy; initiation of sexual activity at a young age

**Births to adolescent females less than 15 years of age**

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
2000	895	0.7	0.7	0.8	274	0.8	0.7	0.9
2001	810	0.6	0.6	0.7	269	0.7	0.6	0.8
2002	743	0.5	0.5	0.6	248	0.6	0.5	0.7
2003	710	0.5	0.5	0.5	209	0.5	0.4	0.6
2004	696	0.5	0.4	0.5	204	0.5	0.4	0.5
2005	756	0.5	0.5	0.6	253	0.6	0.5	0.7
2006	681	0.5	0.4	0.5	193	0.5	0.4	0.5
2007	663	0.5	0.4	0.5	199	0.5	0.4	0.6
2008	624	0.5	0.4	0.5	167	0.4	0.4	0.5
2009	548	0.4	0.4	0.4	132	0.4	0.3	0.4

Year	Denominator: Females < 15 (i.e. 10 - 14)	
	California	LA County
2000	1,270,195	358,964
2001	1,324,938	377,115
2002	1,373,005	396,124
2003	1,410,004	411,957
2004	1,431,818	422,622
2005	1,432,473	425,183
2006	1,417,905	418,942
2007	1,393,013	406,685
2008	1,363,925	391,222
2009	1,335,841	376,143

Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2000-2009.

California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1990-1999", Sacramento, California, May, 2004.

California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007.

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Fertility Rate Among Girls (continued)

**Births to adolescent females 15 to 17 years of age**

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
2000	18,887	26.5	26.2	26.9	5,801	29.7	29.0	30.5
2001	17,307	23.8	23.5	24.2	5,373	27.3	26.6	28.1
2002	16,660	22.4	22.1	22.8	5,081	25.3	24.6	26.0
2003	16,193	21.2	20.9	21.5	4,878	23.6	23.0	24.3
2004	16,263	20.6	20.3	20.9	4,782	22.4	21.7	23.0
2005	16,740	20.3	20.0	20.6	4,879	21.6	21.0	22.2
2006	17,208	20.0	19.7	20.3	4,990	20.8	20.2	21.4
2007	17,582	19.9	19.6	20.2	5,090	20.2	19.6	20.7
2008	17,008	19.1	18.9	19.4	4,888	18.9	18.4	19.5
2009	15,418	17.5	17.2	17.7	4,407	17.1	16.6	17.6

Denominator: Female 15-17		
Year	California	LA County
2000	712,042	195,082
2001	726,479	196,560
2002	743,210	200,997
2003	764,102	206,564
2004	790,046	213,869
2005	824,757	225,789
2006	858,626	240,021
2007	882,026	252,423
2008	888,169	258,257
2009	883,101	257,677

Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2000-2009.

California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007.

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Fertility Rate Among Girls (continued)

**Births to adolescent females 18 to 19 years of age**

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
2000	36,486	76.8	76.1	77.6	10,807	80.3	78.8	81.7
2001	35,659	73.5	72.8	74.3	10,177	77.8	76.3	79.2
2002	33,541	68.5	67.8	69.2	9,429	74.1	72.6	75.5
2003	33,137	66.5	65.8	67.2	9,119	71.4	70.0	72.8
2004	33,474	65.5	64.9	66.2	9,400	71.6	70.2	73.0
2005	33,277	63.9	63.3	64.6	9,078	67.2	65.9	68.6
2006	35,562	66.3	65.6	67.0	9,804	69.9	68.5	71.2
2007	35,811	64.3	63.7	65.0	9,643	65.7	64.4	66.9
2008	34,696	59.6	59.0	60.2	9,223	58.9	57.8	60.1
2009	32,393	53.5	53.0	54.1	8,739	52.3	51.2	53.3

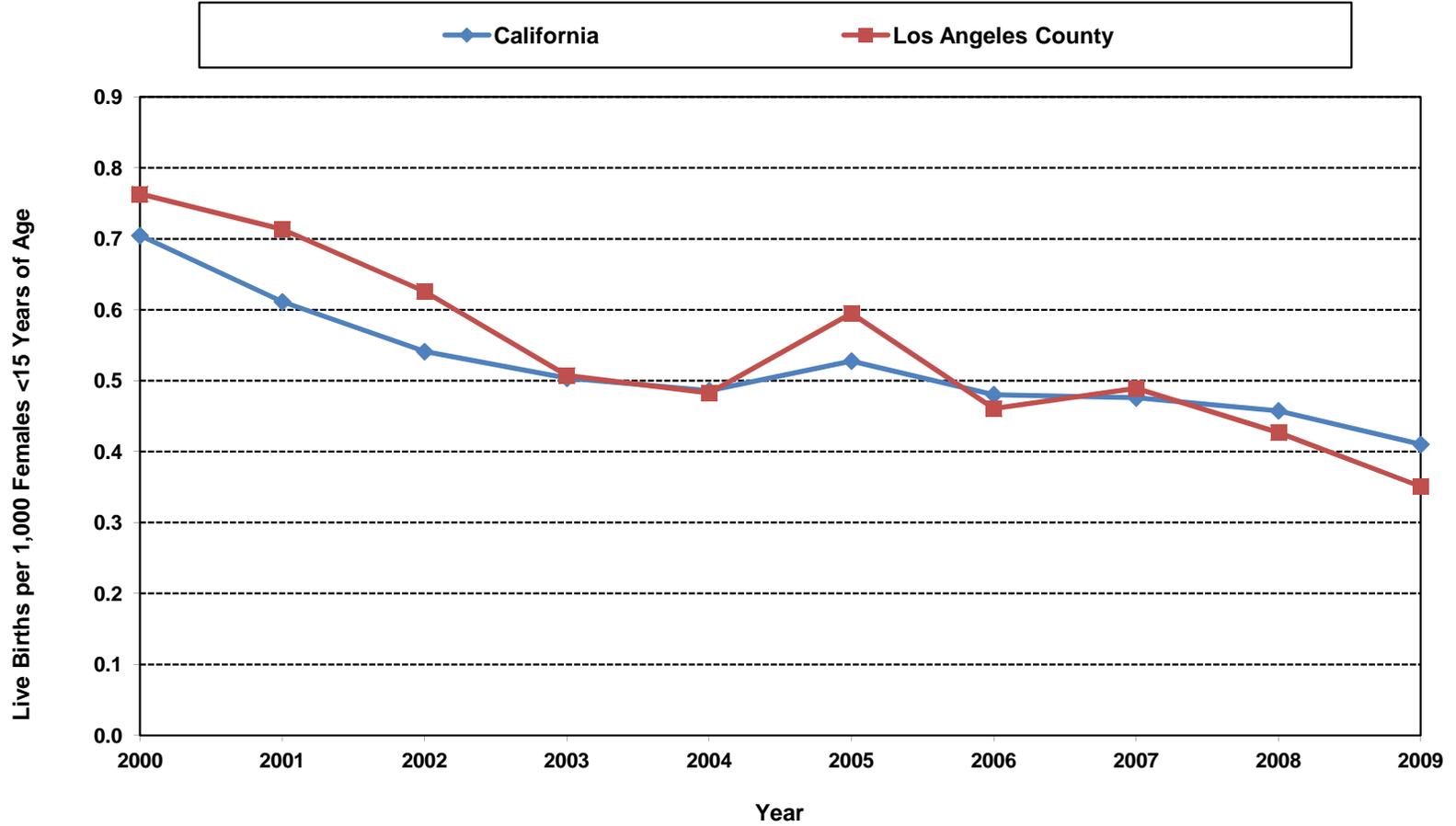
Denominator: Female 18-19		
Year	California	LA County
2000	474,909	134,655
2001	484,827	130,829
2002	489,897	127,304
2003	498,499	127,687
2004	510,695	131,340
2005	520,419	135,024
2006	536,479	140,318
2007	556,714	146,883
2008	582,102	156,518
2009	605,106	167,250

Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2000-2009.

California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007.

**Live Births per 1,000 Adolescent Females Less Than 15 Years of Age  
California vs. Los Angeles County, 2000-2009**



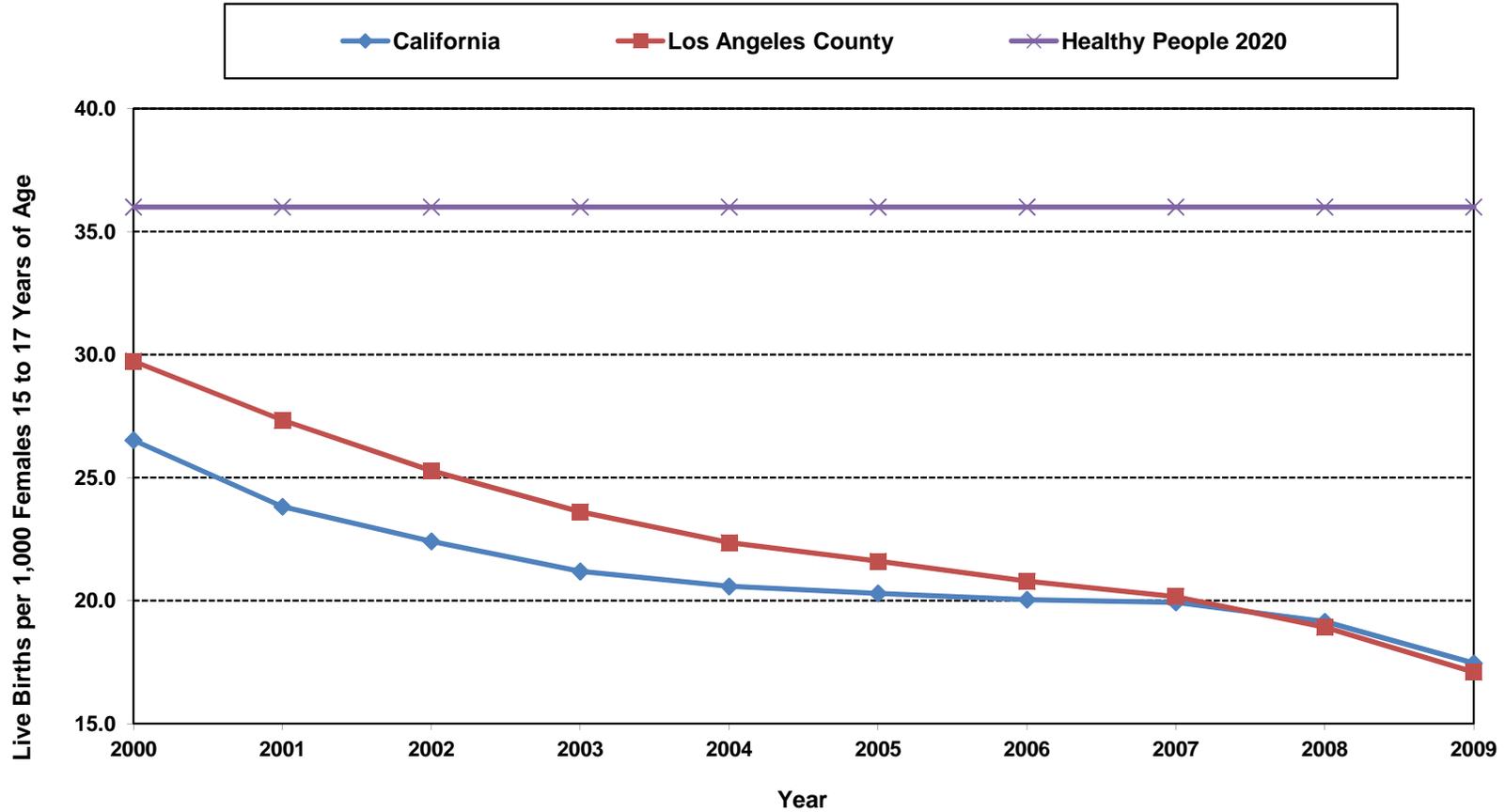
Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2000-2009.

California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1990-1999", Sacramento, California, May, 2004.

California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007.

**Live Births per 1,000 Adolescent Females 15 to 17 Years of Age  
California vs. Los Angeles County, 2000-2009**



Year 2010 Objective: Reduce pregnancies among adolescent females to no more than 43 pregnancies per 1,000 adolescents

Year 2020 Objective: Reduce pregnancies among adolescent females to no more than 36 pregnancies per 1,000 adolescents

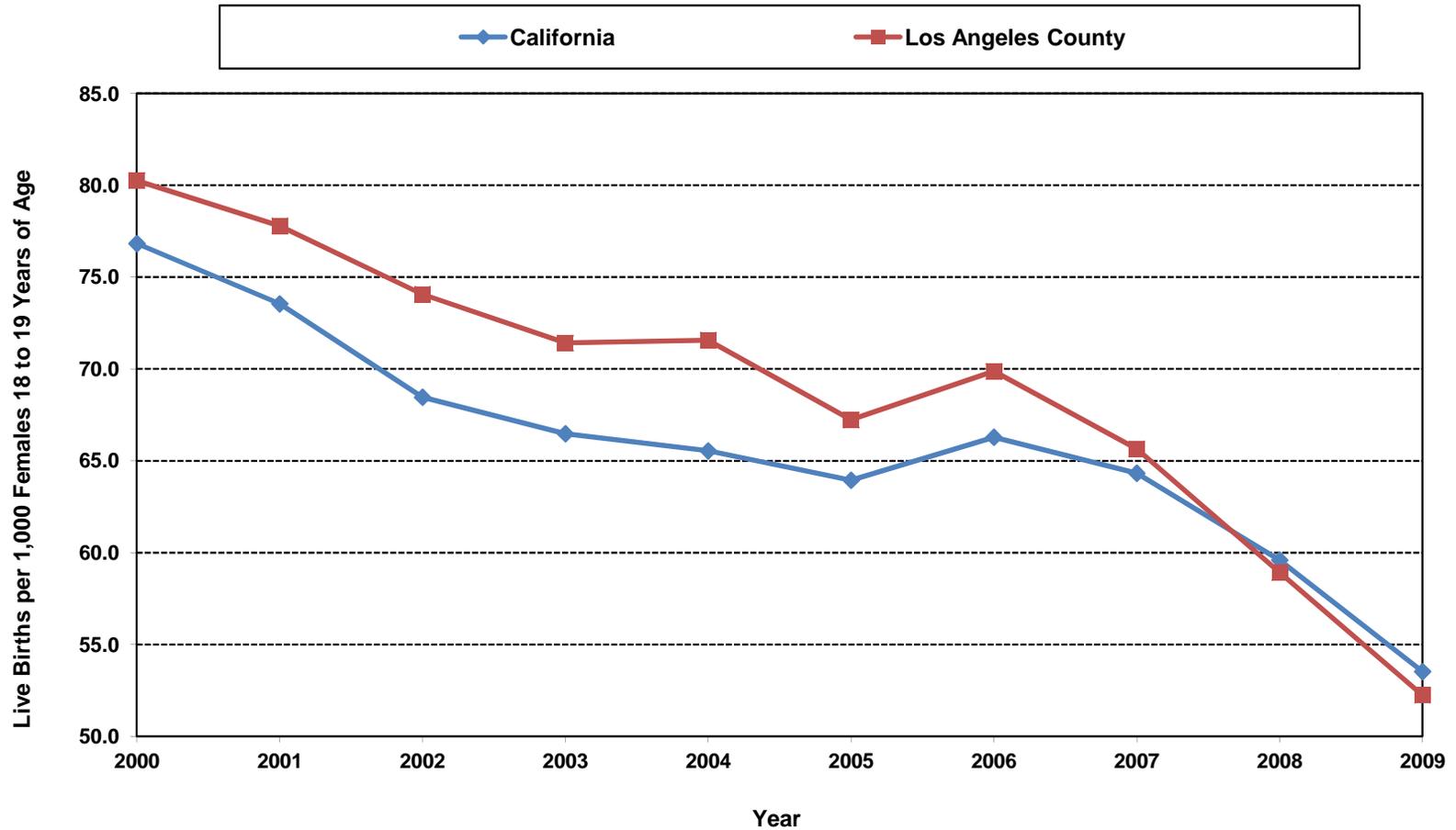
Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2000-2009.

California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1990-1999", Sacramento, California, May, 2004.

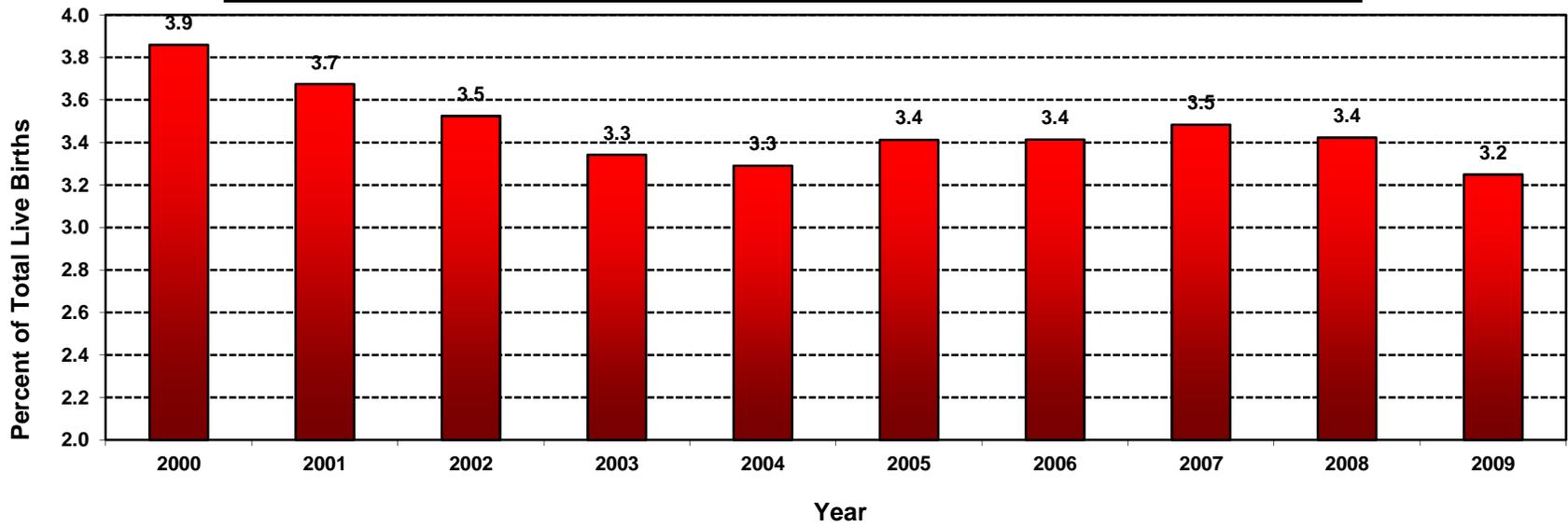
California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007.

**Live Births per 1,000 Adolescent Females 18 to 19 Years of Age  
California vs. Los Angeles County, 2000-2009**



Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".  
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2000-2009.  
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1990-1999", Sacramento, California, May, 2004.  
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007.

**Live Births to Mothers Less Than 18 Years of Age, as Percent of Total Live Births  
Los Angeles County, 2000-2009**

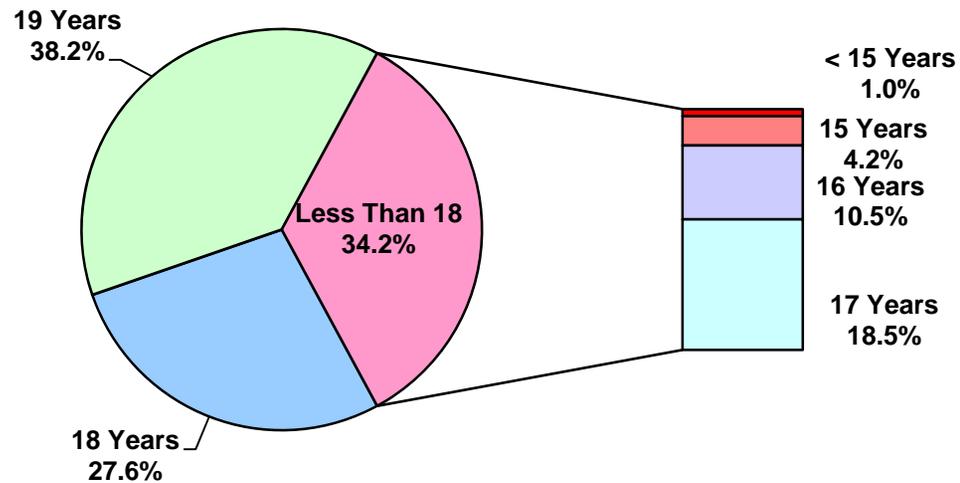


Los Angeles County, 2000-2009		
Year	Live Births to Mothers < 18 Years of Age	
	Number	Percent
2000	6,075	3.9
2001	5,642	3.7
2002	5,329	3.5
2003	5,087	3.3
2004	4,986	3.3
2005	5,132	3.4
2006	5,183	3.4
2007	5,289	3.5
2008	5,055	3.4
2009	4,539	3.2

Denominator: Total Live Births
157,391
153,523
151,167
152,192
151,504
150,377
151,837
151,813
147,684
139,679

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2000-2009.

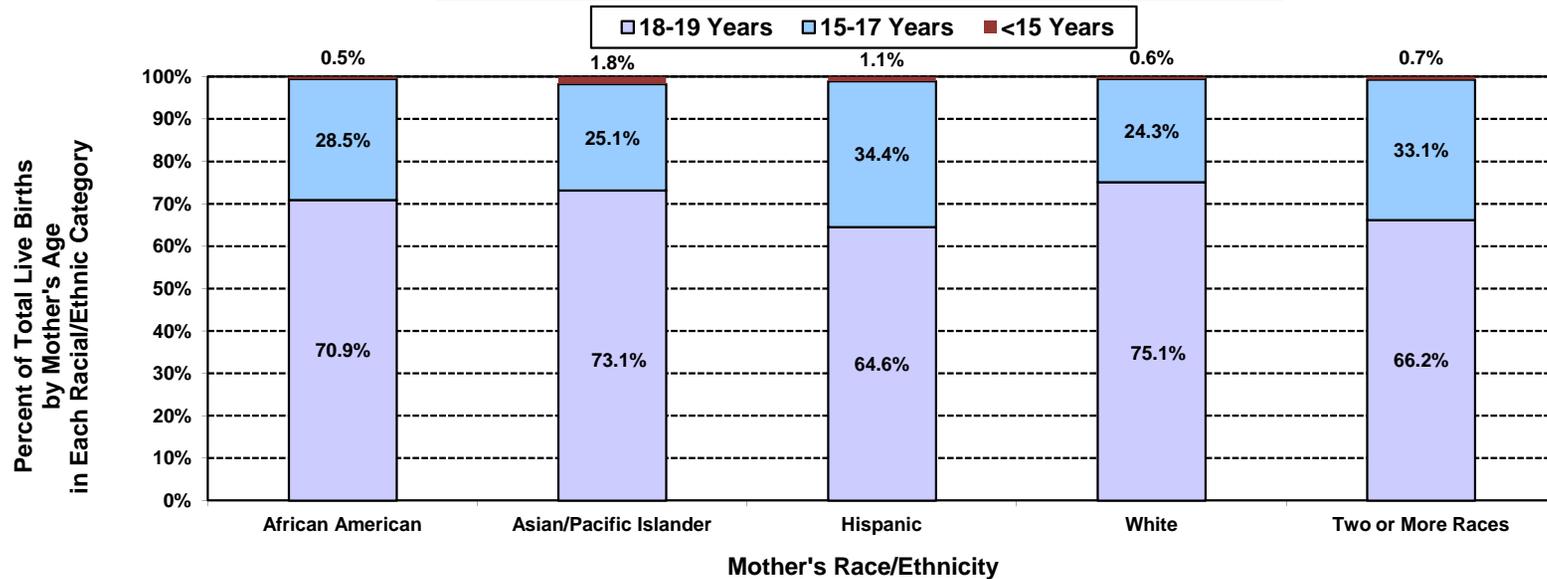
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Mother's Age  
Los Angeles County, 2009**



Los Angeles County, 2009				
Mother's Age	Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
< 15	132	1.0	0.8	1.2
15	552	4.2	3.8	4.5
16	1,394	10.5	10.0	11.0
17	2,461	18.5	17.9	19.2
18	3,669	27.6	26.9	28.4
19	5,070	38.2	37.4	39.0
<b>Total</b>	<b>13,278</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2009.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Mother's Age and by Mother's Race/Ethnicity  
Los Angeles County, 2009**



Los Angeles County, 2009						
Mother's Race/Ethnicity	Mother's Age					
	< 15		15-17		18-19	
	Number	Percent	Number	Percent	Number	Percent
African American	7	0.5	375	28.5	932	70.9
Asian/Pacific Islander	<5	N/C	57	25.1	166	73.1
Hispanic	117	1.1	3,783	34.4	7,104	64.6
Native American	<5	N/C	6	33.3	12	66.7
White	<5	N/C	127	24.3	392	75.1
Two or More Races	<5	N/C	48	33.1	96	66.2
Other/Unknown	<5	N/C	11	22.9	37	77.1
<b>Total</b>	<b>132</b>	<b>1.0</b>	<b>4,407</b>	<b>33.2</b>	<b>8,739</b>	<b>65.8</b>

Total Live Births
1,314
227
11,004
18
522
145
48
<b>13,278</b>

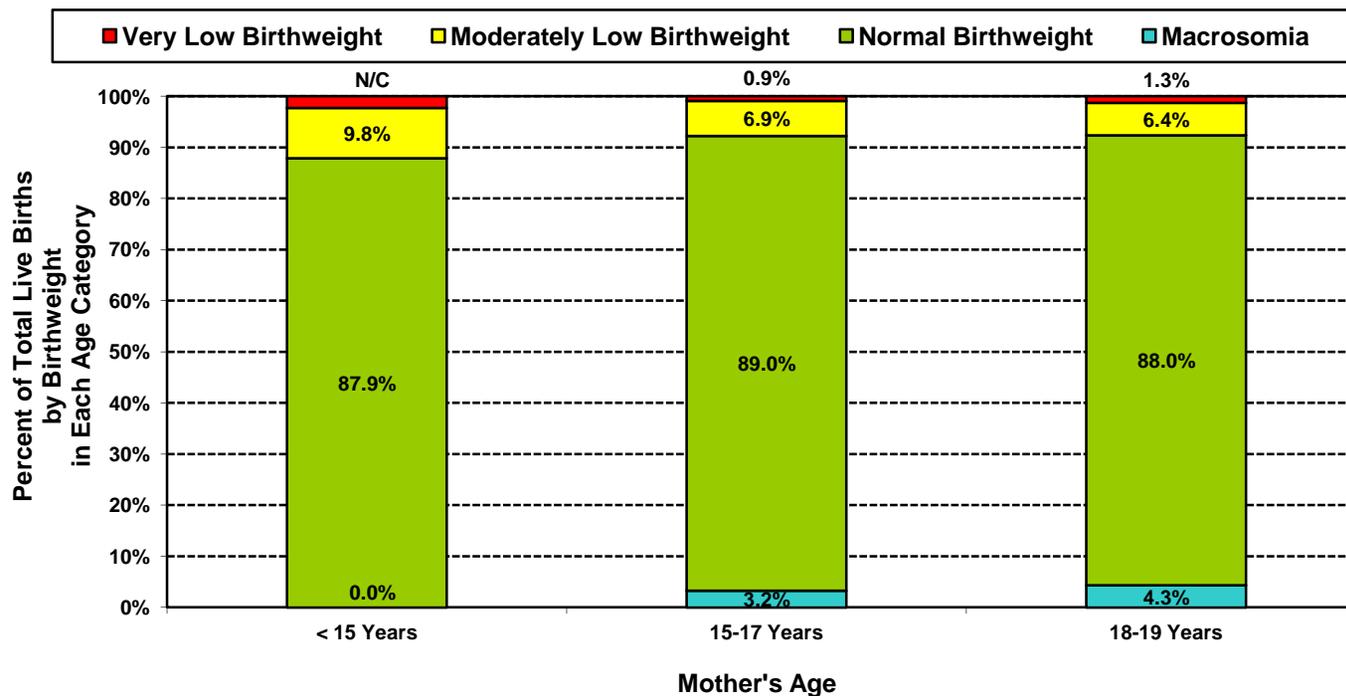
Note: Racial/ethnic categorization has been revised in this report; data from previous year reports may not be comparable.

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

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, 2009.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Birthweight and by Mother's Age  
Los Angeles County, 2009**

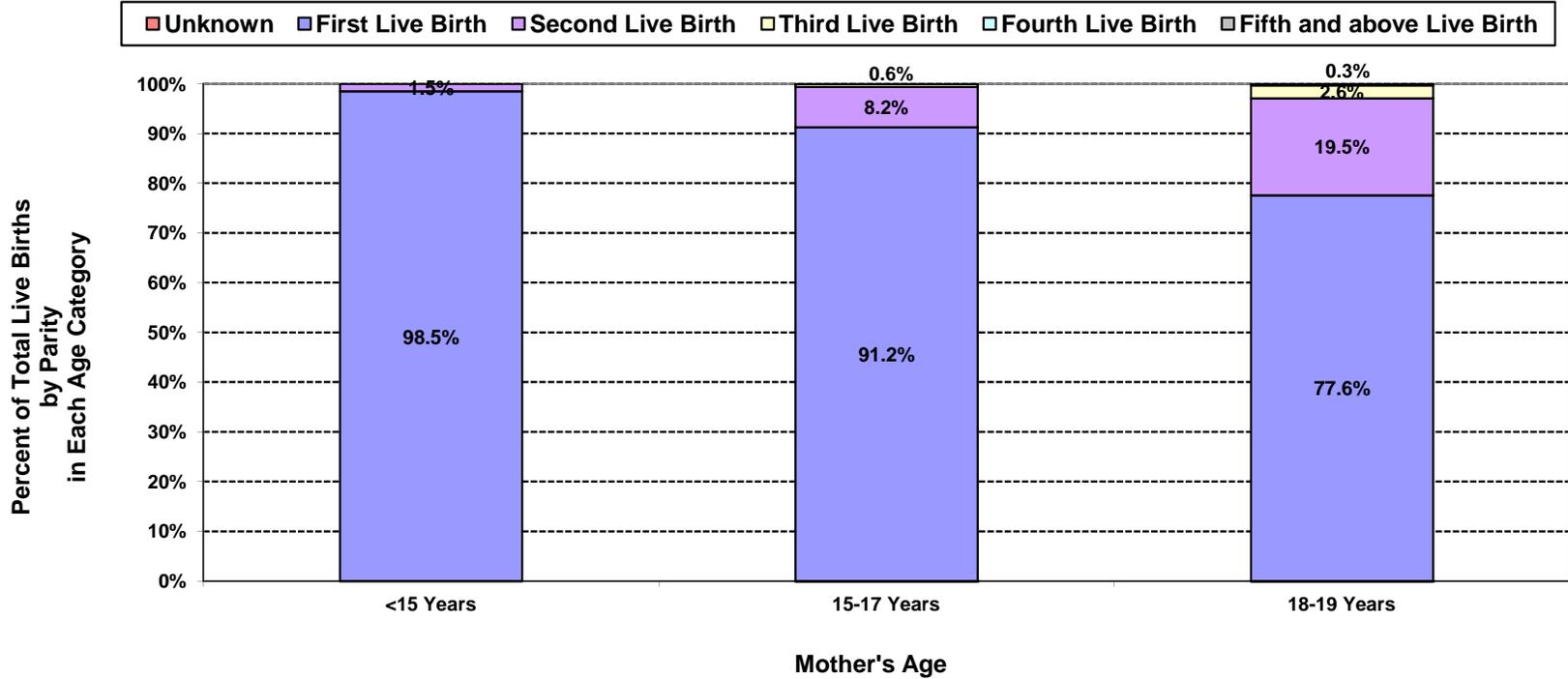


Los Angeles County, 2009									
Mother's Age	Very Low Birthweight		Moderately Low Birthweight		Normal Birthweight		Macrosomia		Total Live Births
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	<5	N/C	13	9.8	116	87.9	<5	N/C	132
15 to 17	40	0.9	303	6.9	3,921	89.0	143	3.2	4,407
18 to 19	110	1.3	556	6.4	7,694	88.0	379	4.3	8,739
<b>Total</b>	<b>153</b>	<b>1.2</b>	<b>872</b>	<b>6.6</b>	<b>11,731</b>	<b>88.3</b>	<b>522</b>	<b>3.9</b>	<b>13,278</b>

Note: 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, 2009.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Parity and by Mother's Age  
Los Angeles County, 2009**



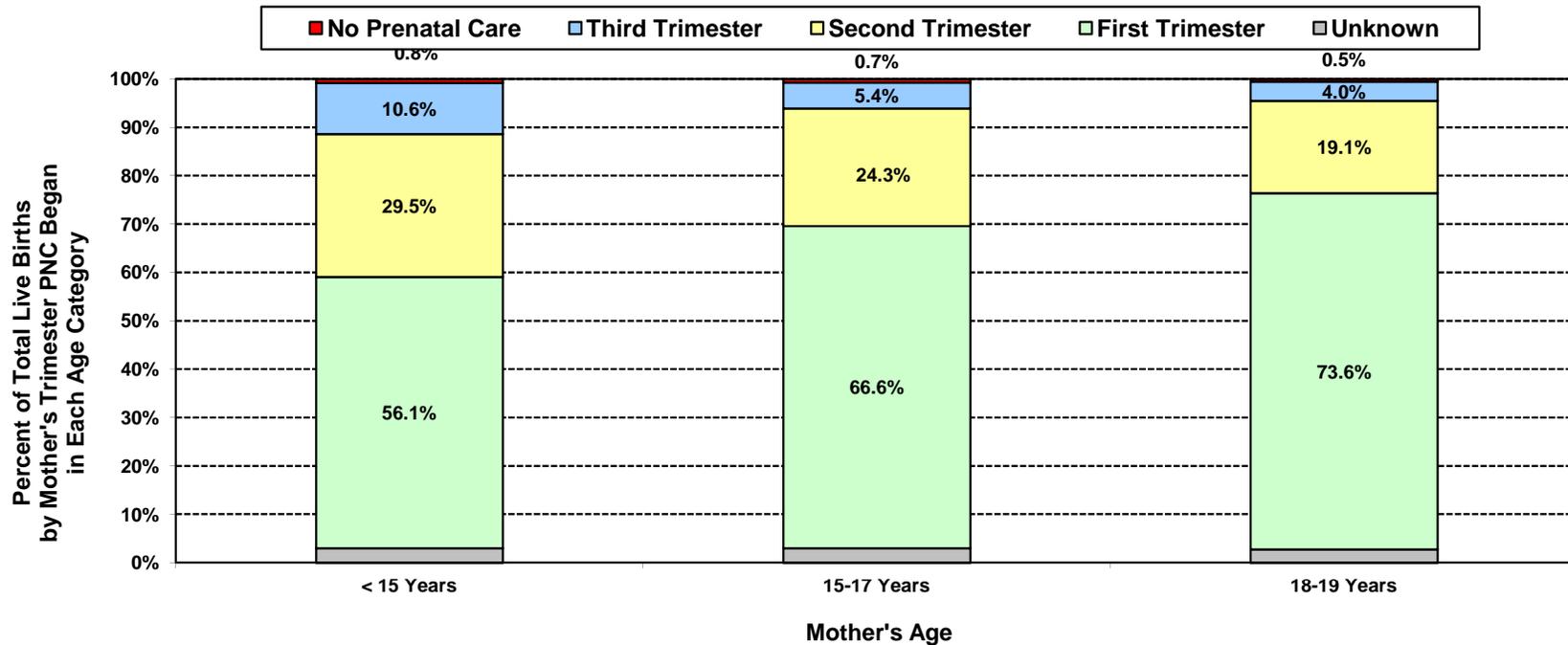
Los Angeles County, 2009													
Mother's Age	Parity											Total Live Births	
	First Live Birth		Second Live Birth		Third Live Birth		Fourth Live Birth		Fifth+ Live Birth		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number		Percent
< 15	130	98.5	<5	N/C	<5	N/C	<5	N/C	<5	N/C	<5	N/C	132
15 to 17	4,020	91.2	360	8.2	25	0.6	<5	N/C	<5	N/C	<5	N/C	4,407
18 to 19	6,779	77.6	1,704	19.5	227	2.6	24	0.3	<5	N/C	<5	N/C	8,739
<b>Total</b>	<b>10,929</b>	<b>82.3</b>	<b>2,066</b>	<b>15.6</b>	<b>252</b>	<b>1.9</b>	<b>25</b>	<b>0.2</b>	<b>&lt;5</b>	<b>N/C</b>	<b>&lt;5</b>	<b>N/C</b>	<b>13,278</b>

Note: 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, 2009.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Mother's Trimester Prenatal Care (PNC) Began and by Mother's Age  
Los Angeles County, 2009**



Los Angeles County, 2009										
Mother's Age	No Prenatal Care		Mother's Trimester Prenatal Care Began						Unknown	
			First		Second		Third			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 15	<5	N/C	74	56.1	39	29.5	14	10.6	<5	N/C
15 to 17	32	0.7	2,936	66.6	1,070	24.3	237	5.4	132	3.0
18 to 19	45	0.5	6,435	73.6	1,668	19.1	351	4.0	240	2.7
<b>Total</b>	<b>78</b>	<b>0.6</b>	<b>9,445</b>	<b>71.1</b>	<b>2,777</b>	<b>20.9</b>	<b>602</b>	<b>4.5</b>	<b>376</b>	<b>2.8</b>

Total Live Births
132
4,407
8,739
<b>13,278</b>

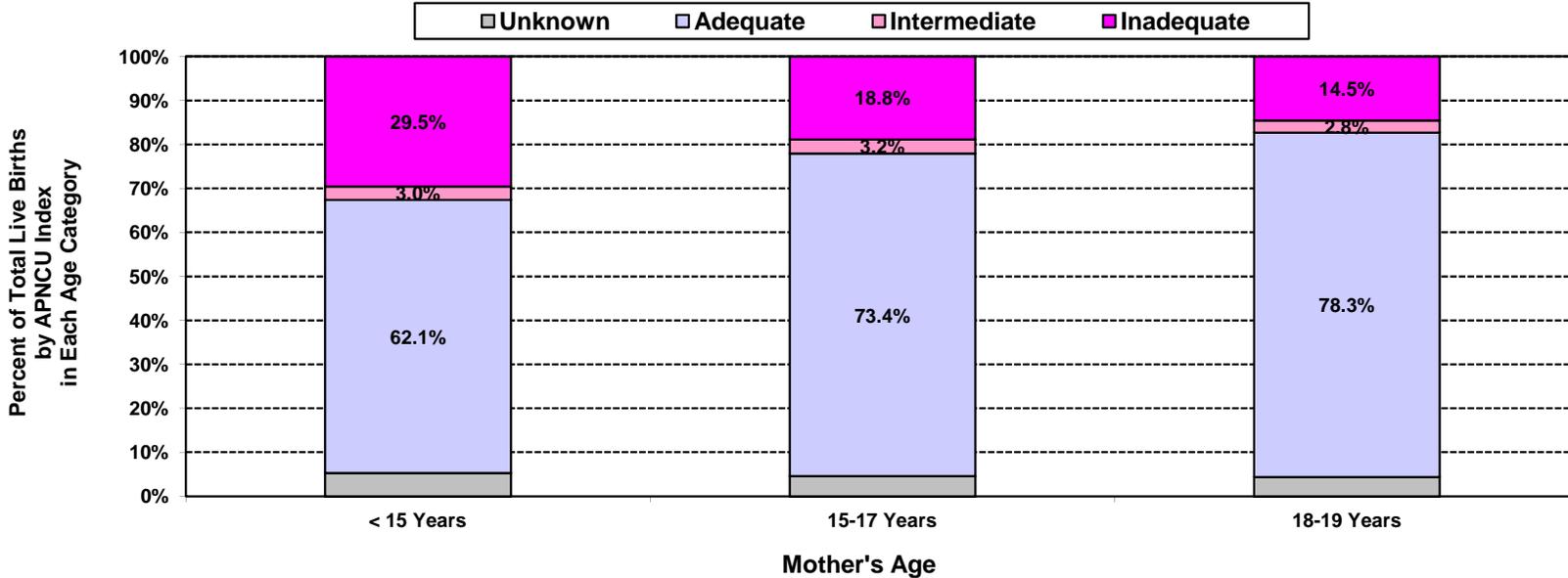
Year 2010 Objective: Increase the proportion of pregnant women who receive prenatal care in the first trimester of pregnancy to 90 percent of live births.

Year 2020 Objective: Increase the proportion of pregnant women who receive prenatal care in the first trimester of pregnancy to 77.9 percent of live births.

Note: "Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live 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, 2009.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Adequacy of Prenatal Care Utilization Index and by Mother's Age  
Los Angeles County, 2009**



Los Angeles County, 2009								
Mother's Age	Adequacy of Prenatal Care Utilization Index							
	Adequate		Intermediate		Inadequate		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 15	82	62.1	<5	N/C	39	29.5	7	5.3
15 to 17	3,233	73.4	142	3.2	829	18.8	203	4.6
18 to 19	6,841	78.3	245	2.8	1,267	14.5	386	4.4
<b>Total</b>	<b>10,156</b>	<b>76.5</b>	<b>391</b>	<b>2.9</b>	<b>2,135</b>	<b>16.1</b>	<b>596</b>	<b>4.5</b>

Total Live Births
132
4,407
8,739
<b>13,278</b>

Year 2010 Objectives: Increase the proportion of pregnant women who receive early and adequate prenatal care to 90 percent of live births.

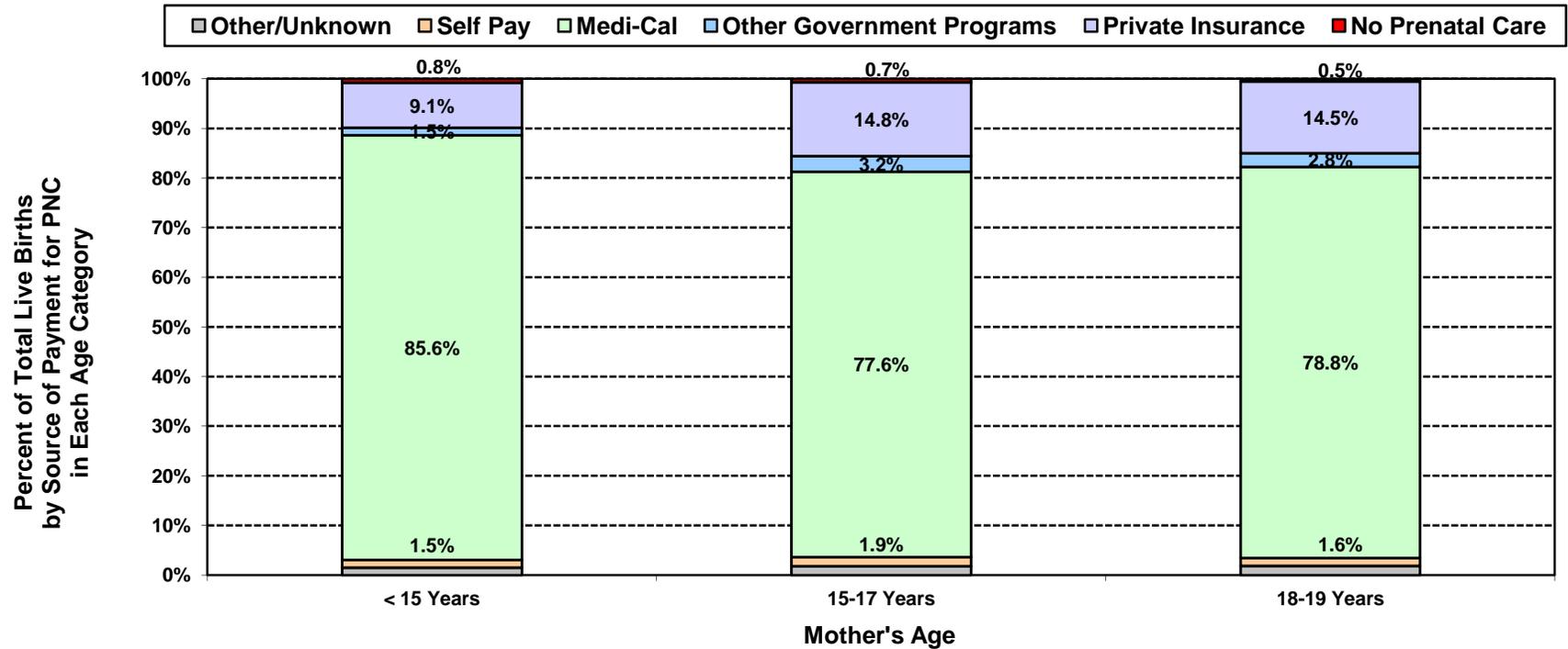
Year 2020 Objectives: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.9 percent of live births.

Note: The APNCU Index measures prenatal care utilization, which includes consideration of the month prenatal care began and the number of prenatal care visits during the time mothers actually received prenatal care. This utilization index is based on the recommendations established by the American College of Obstetrics and Gynecologists (ACOG). Appendix A contains the specific criteria for timing and number of prenatal care visits that are used to assign adequacy categories.

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, 2009.

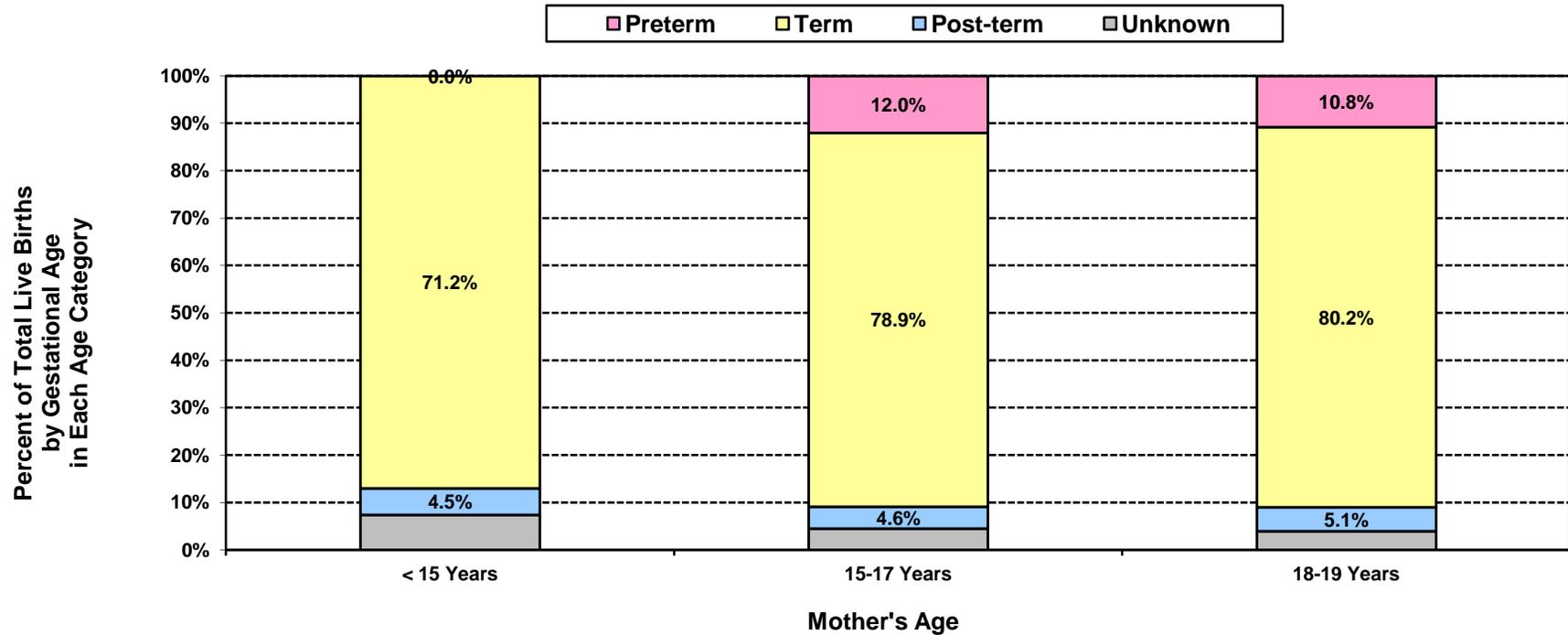
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Source of Payment for Prenatal Care (PNC) and by Mother's Age  
Los Angeles County, 2009**



Los Angeles County, 2009													Total Live Births
Mother's Age	Source of Payment for Prenatal Care												
	No Prenatal Care		Private Insurance		Other Government Programs		Medi-Cal		Self Pay		Other/Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	<5	N/C	12	9.1	<5	N/C	113	85.6	<5	N/C	<5	N/C	132
15 to 17	32	0.7	654	14.8	141	3.2	3,419	77.6	82	1.9	79	1.8	4,407
18 to 19	45	0.5	1,263	14.5	243	2.8	6,887	78.8	138	1.6	163	1.9	8,739
<b>Total</b>	<b>78</b>	<b>0.6</b>	<b>1,929</b>	<b>14.5</b>	<b>386</b>	<b>2.9</b>	<b>10,419</b>	<b>78.5</b>	<b>222</b>	<b>1.7</b>	<b>244</b>	<b>1.8</b>	<b>13,278</b>

Note: 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, 2009.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Gestational Age and by Mother's Age  
Los Angeles County, 2009**



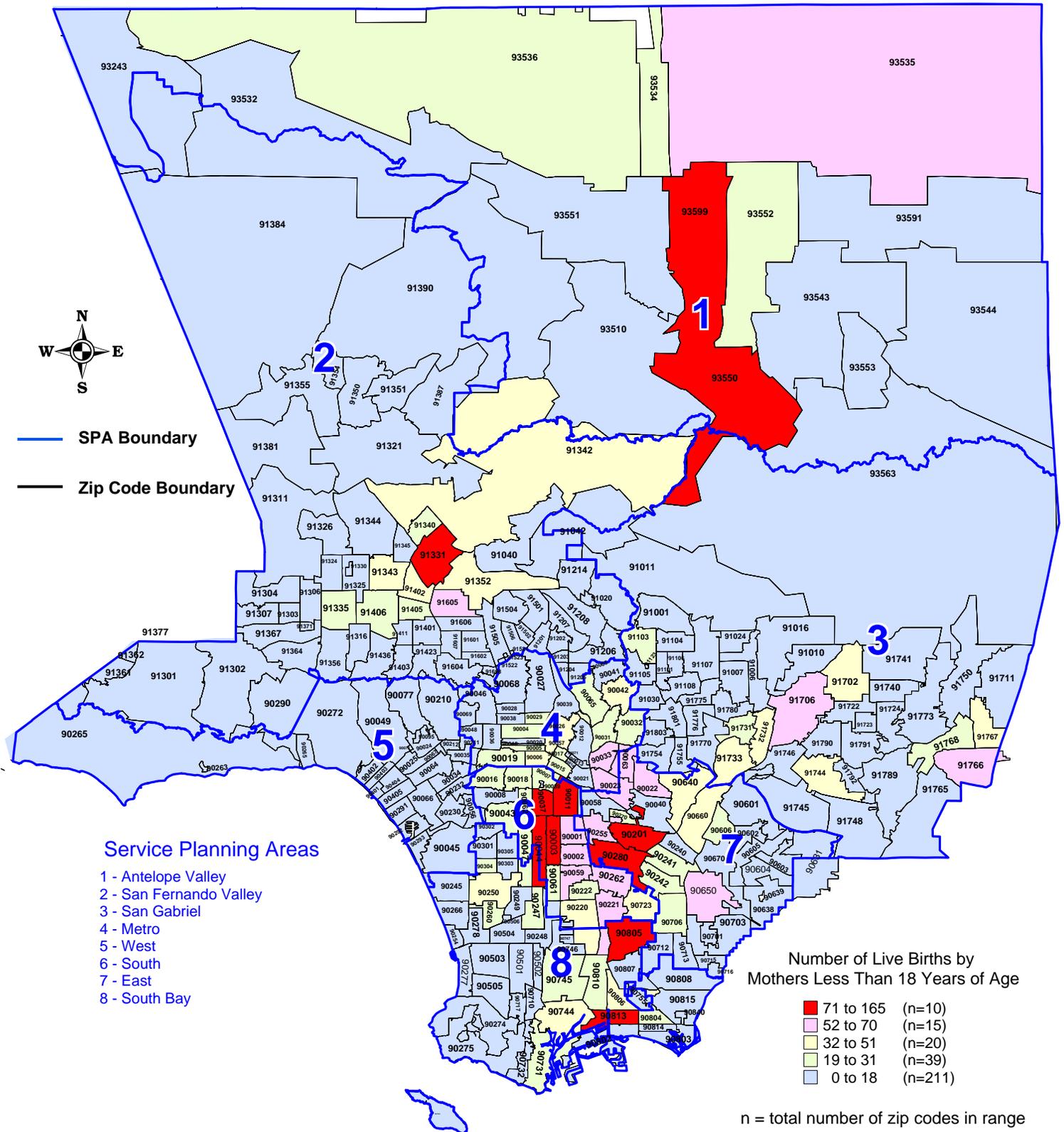
Los Angeles County, 2009											
Mother's Age	Very Preterm		Moderate Preterm		Term		Post-term		Gestational Age Unknown		Total Live Births
	< 32 weeks		32-36 weeks		37-41 weeks		42+ weeks		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	<5	N/C	21	15.9	94	71.2	6	4.5	8	6.1	132
15 to 17	75	1.7	455	10.3	3,475	78.9	203	4.6	199	4.5	4,407
18 to 19	141	1.6	801	9.2	7,009	80.2	443	5.1	345	3.9	8,739
<b>Total</b>	<b>219</b>	<b>1.6</b>	<b>1,277</b>	<b>9.6</b>	<b>10,578</b>	<b>79.7</b>	<b>652</b>	<b>4.9</b>	<b>552</b>	<b>4.2</b>	<b>13,278</b>

Note: Unknown includes those weeks of gestation not stated, less than 17 weeks of gestation, and 53 weeks or more gestation. These categories reflect inaccuracies rather than actual gestation periods. Gestation is calculated from reported date of last menses.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2009.

# Number of Live Births by Mothers Less Than 18 Years of Age by Zip Code\* and Service Planning Area (SPA)

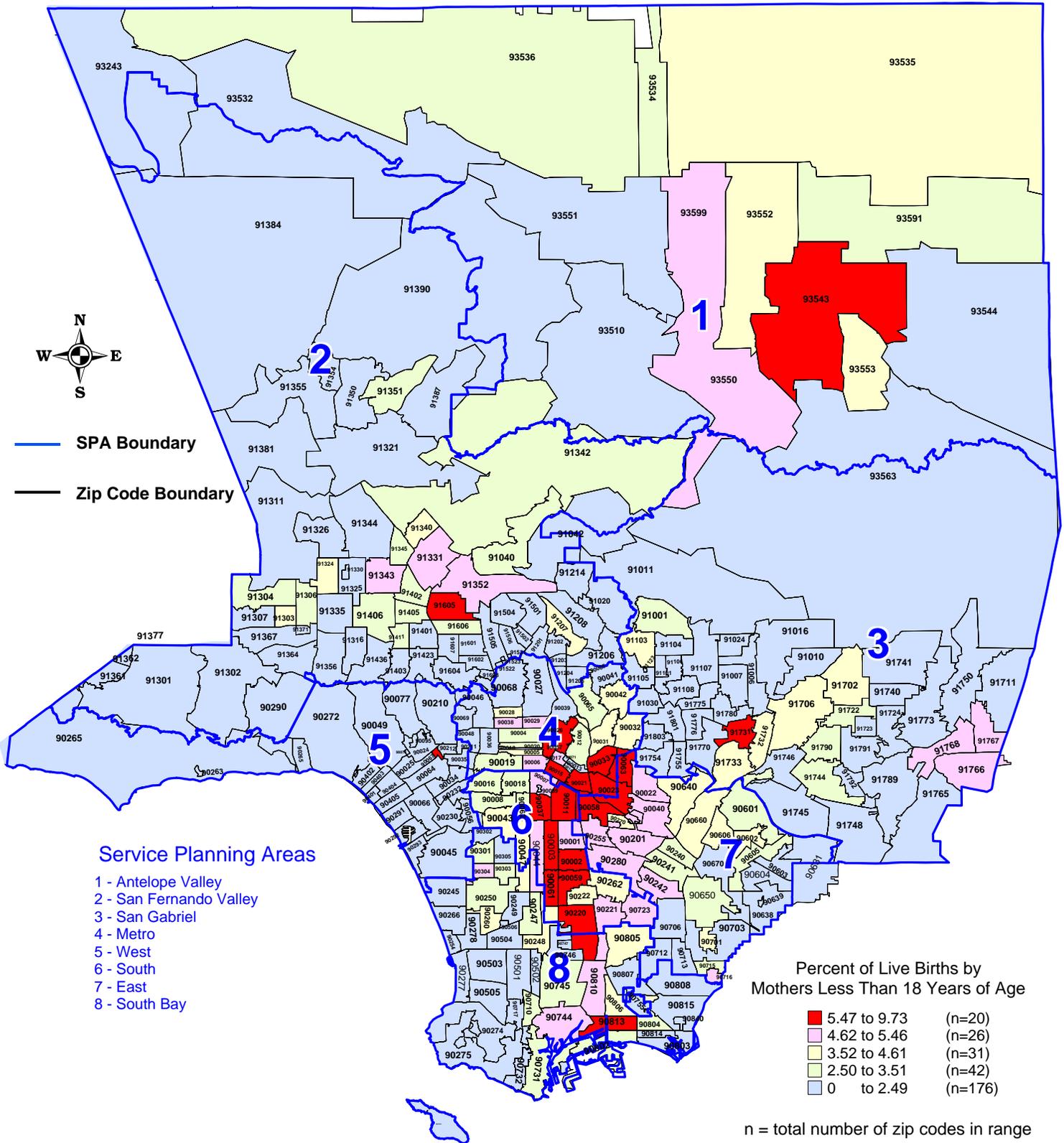
Los Angeles County, 2009



\*Los Angeles County zip code boundaries as of April 2007  
 Total number of live births in Los Angeles County, 2009 = 139,679  
 Total number of live births by mothers less than 18 years of age in Los Angeles County, 2009 = 4,539  
 Source : California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2009.

# Percent of Live Births by Mothers Less Than 18 Years of Age by Zip Code\* and Service Planning Area (SPA)

Los Angeles County, 2009



\*Los Angeles County zip code boundaries as of April 2007  
 Total number of live births in Los Angeles County, 2009 = 139,679  
 Mothers less than 18 years of age per 100 live births in Los Angeles County, 2009 = 3.2  
 Source : California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2009.