

# 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)

**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
1997	1,256	1.1	1.0	1.1	408	1.3	1.1	1.4
1998	1,066	0.9	0.8	1.0	337	1.0	0.9	1.1
1999	1,037	0.9	0.8	0.9	323	0.9	0.8	1.0
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	695	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

Year	Denominator: Females < 15 (i.e. 10 - 14)	
	California	LA County
1997	1,165,302	325,188
1998	1,187,224	331,434
1999	1,219,531	341,596
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

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, 1997-2006.

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
1997	23,064	33.8	33.4	34.2	7,237	36.8	36.0	37.6
1998	21,630	31.1	30.6	31.5	6,770	34.1	33.3	34.9
1999	20,209	28.8	28.4	29.2	6,293	32.1	31.3	32.9
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	21.2	20.9	21.5	4,879	22.8	22.2	23.4
2006	17,208	20.9	20.6	21.2	4,990	22.1	21.5	22.7

Denominator: Female 15-17		
Year	California	LA County
1997	682,407	196,674
1998	696,559	198,442
1999	701,657	196,222
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

**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
1997	36,787	85.6	84.7	86.4	11,293	88.3	86.8	89.9
1998	36,511	81.9	81.1	82.7	11,153	84.8	83.3	86.3
1999	36,368	78.2	77.4	78.9	10,850	80.0	78.5	81.4
2000	36,486	76.8	76.1	77.6	10,807	79.9	78.5	81.4
2001	35,659	73.5	72.8	74.3	10,177	75.6	74.2	77.0
2002	33,541	68.5	67.8	69.2	9,429	72.1	70.7	73.5
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

Denominator: Female 18-19		
Year	California	LA County
1997	429,976	127,852
1998	445,759	131,563
1999	465,241	135,664
2000	474,909	135,235
2001	484,827	134,655
2002	489,897	130,829
2003	498,499	127,687
2004	510,695	131,340
2005	520,419	135,024
2006	536,479	140,318

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

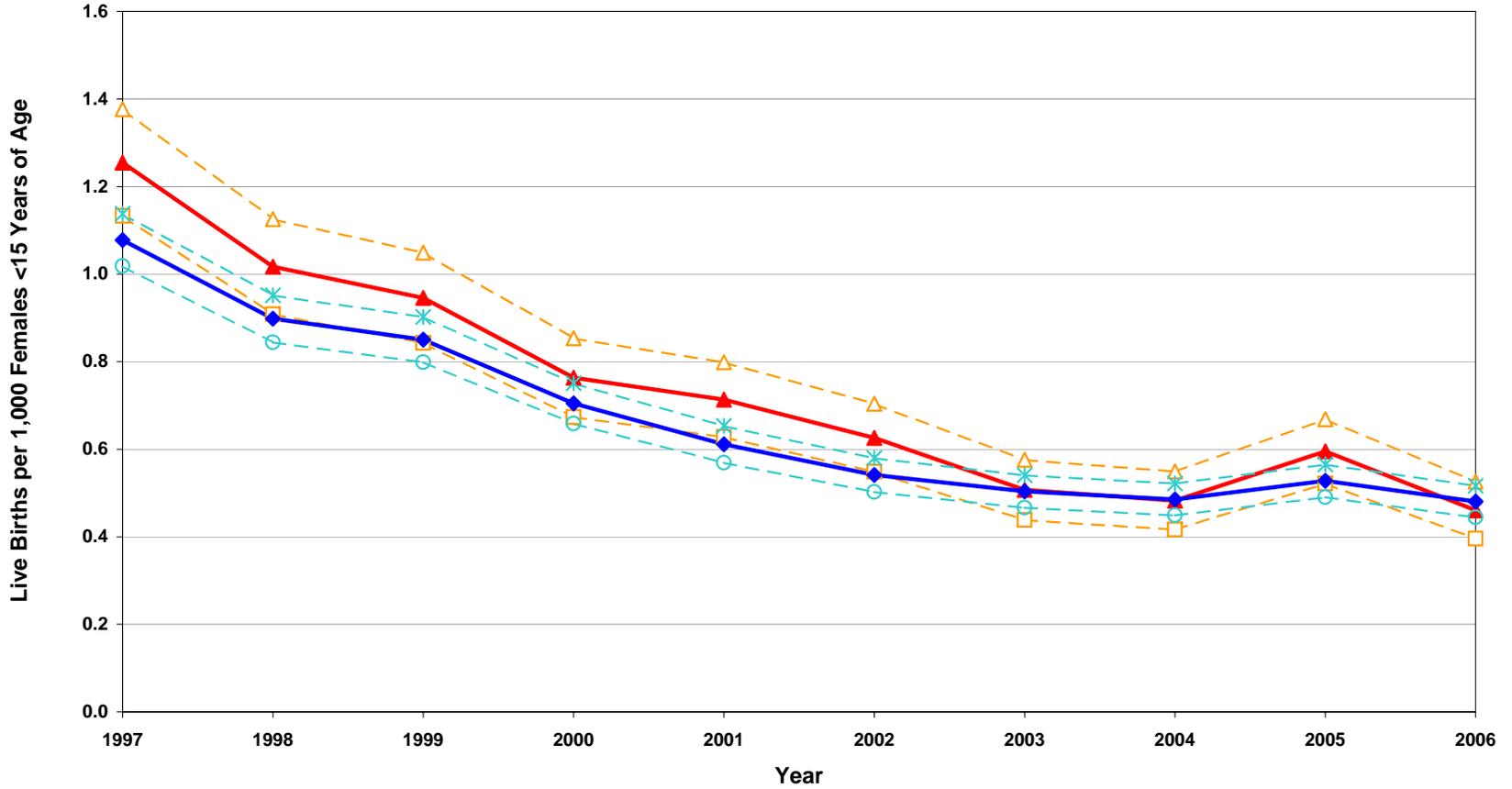
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

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.

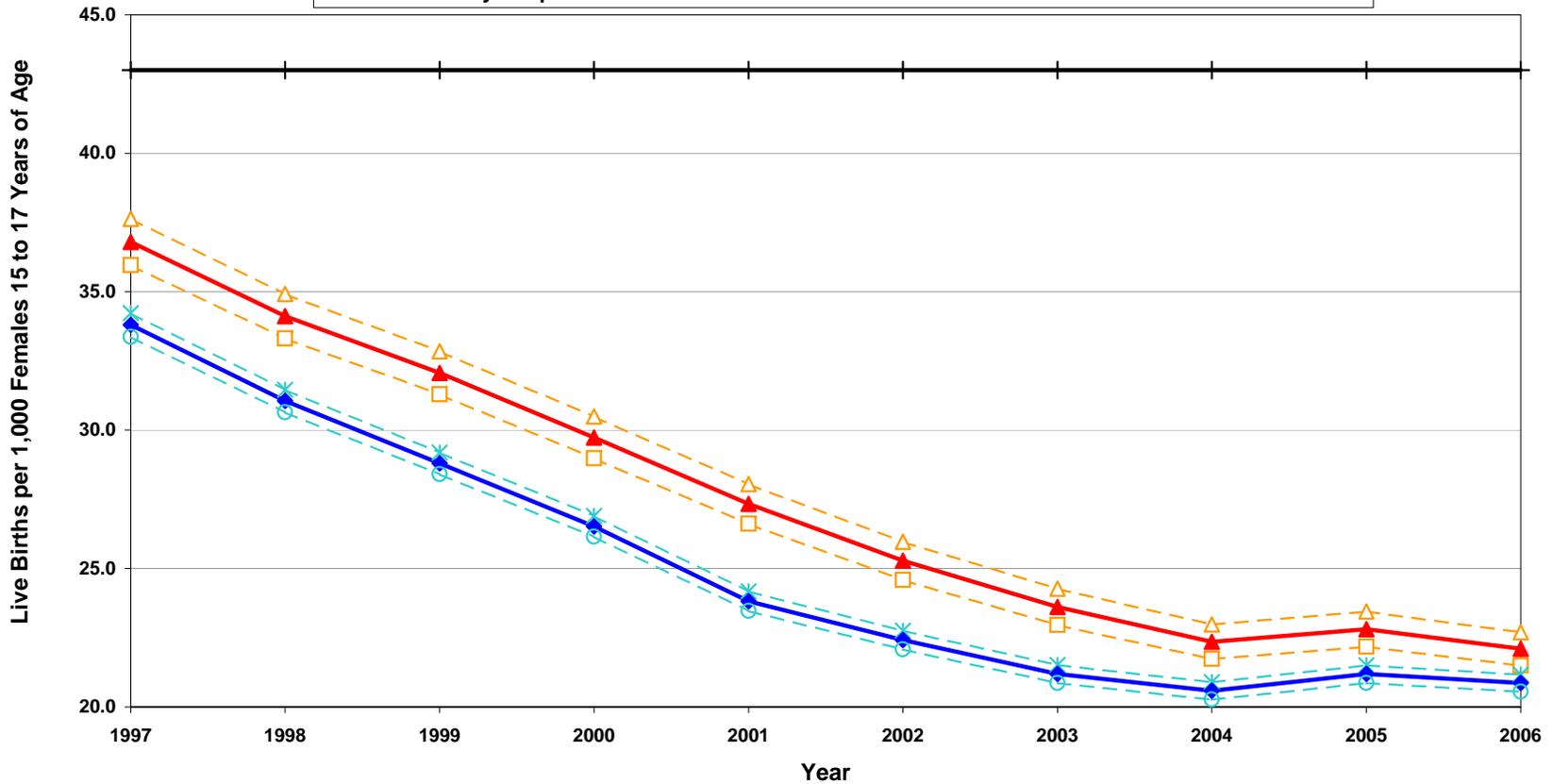
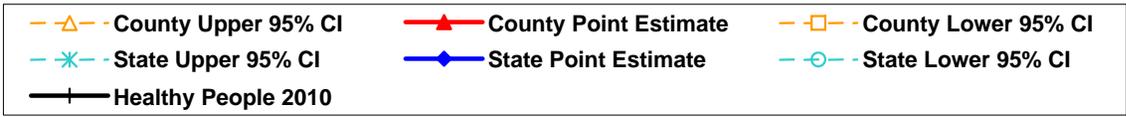
### Live Births per 1,000 Adolescent Females Less Than 15 Years of Age California vs. Los Angeles County, 1997-2006

--△-- County Upper 95% CI   
 --▲-- County Point Estimate   
 --□-- County Lower 95% CI  
--\*-- State Upper 95% CI   
 --◆-- State Point Estimate   
 --○-- State Lower 95% CI



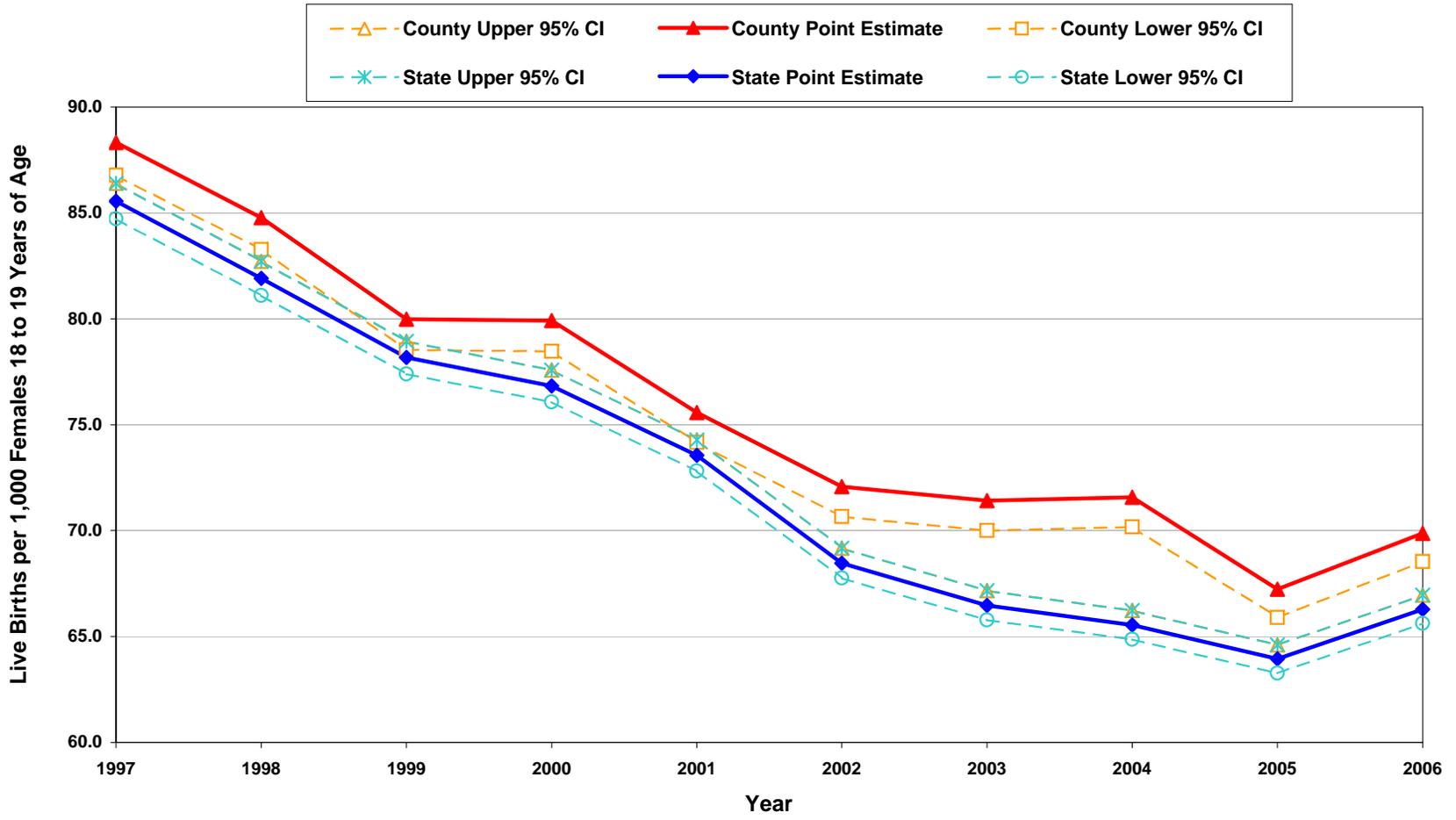
Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".  
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.  
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### Live Births per 1,000 Adolescent Females 15 to 17 Years of Age California vs. Los Angeles County, 1997-2006



Year 2010 Objective: Reduce pregnancies among adolescent females to no more than 43 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, 1997-2006.  
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1990-1999", Sacramento, California, May, 2004.  
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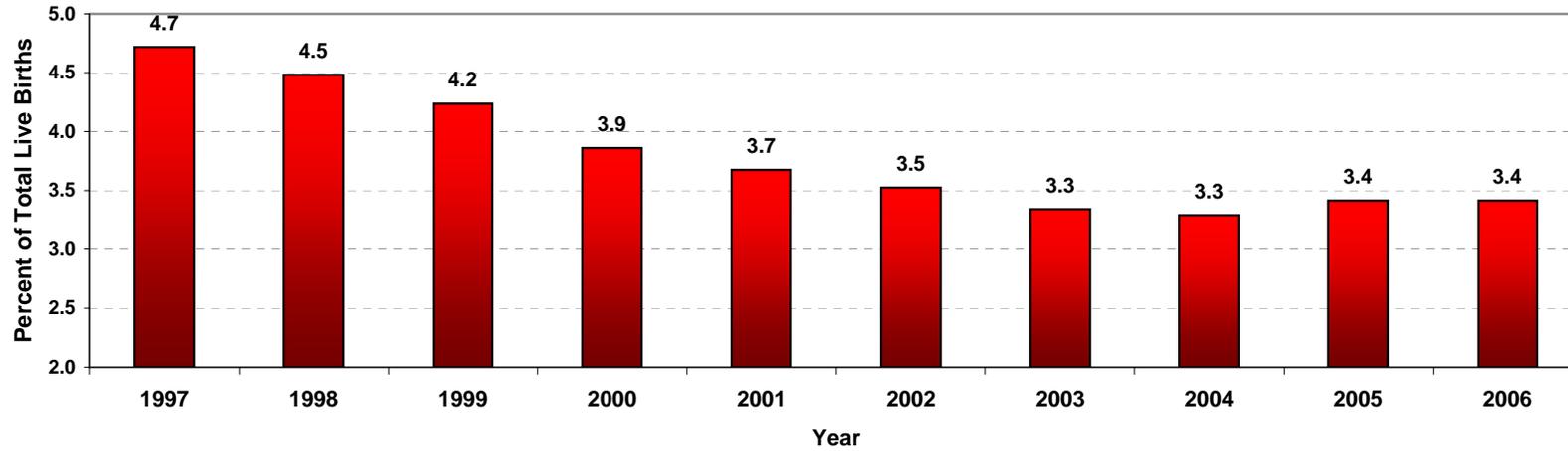
### Live Births per 1,000 Adolescent Females 18 to 19 Years of Age California vs. Los Angeles County, 1997-2006



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, 1997-2006.  
 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, 1997-2006**

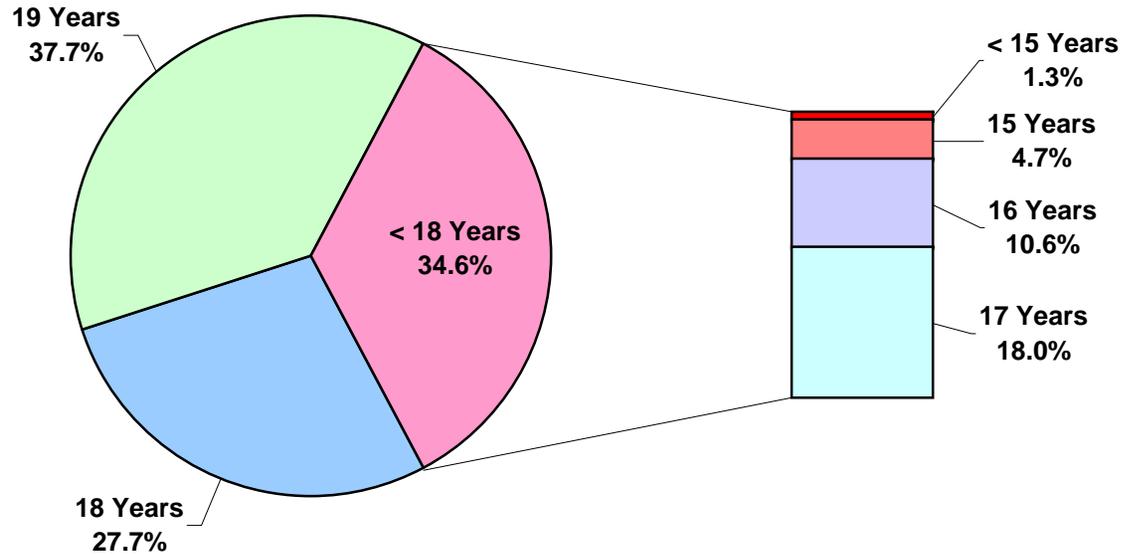


Los Angeles County, 1996-2005		
Year	Live Births to Mothers < 18 Years of Age	
	Number	Percent
1997	7,645	4.7
1998	7,107	4.5
1999	6,616	4.2
2000	6,075	3.9
2001	5,642	3.7
2002	5,329	3.5
2003	5,087	3.3
2004	4,986	3.3
2005	5,132	3.4
2006	5,183	3.4

Denominator: Total Live Births
162,036
158,604
156,153
157,391
153,523
151,167
152,192
151,504
150,377
151,837

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

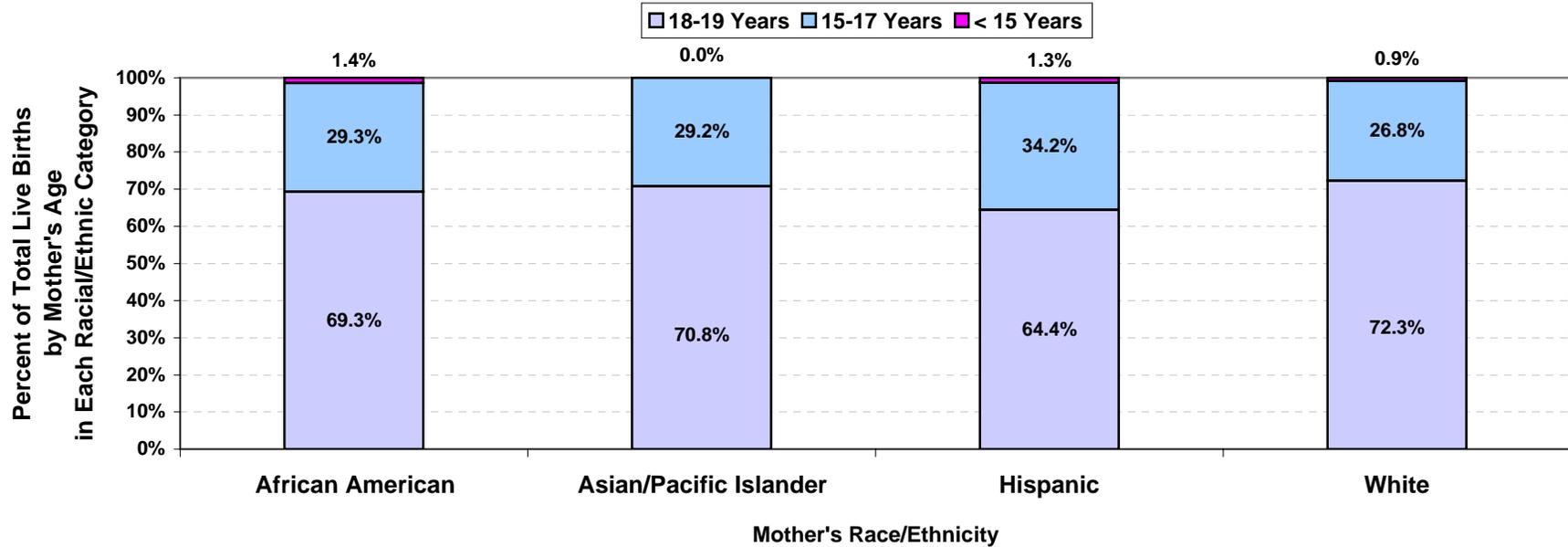
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Mother's Age  
Los Angeles County, 2006**



Los Angeles County, 2006				
Mother's Age	Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
< 15	193	1.3	1.1	1.5
15	697	4.7	4.3	5.0
16	1,594	10.6	10.1	11.1
17	2,699	18.0	17.4	18.6
18	4,153	27.7	27.0	28.4
19	5,651	37.7	36.9	38.5
<b>Total</b>	<b>14,987</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, 2006.

**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, 2006**

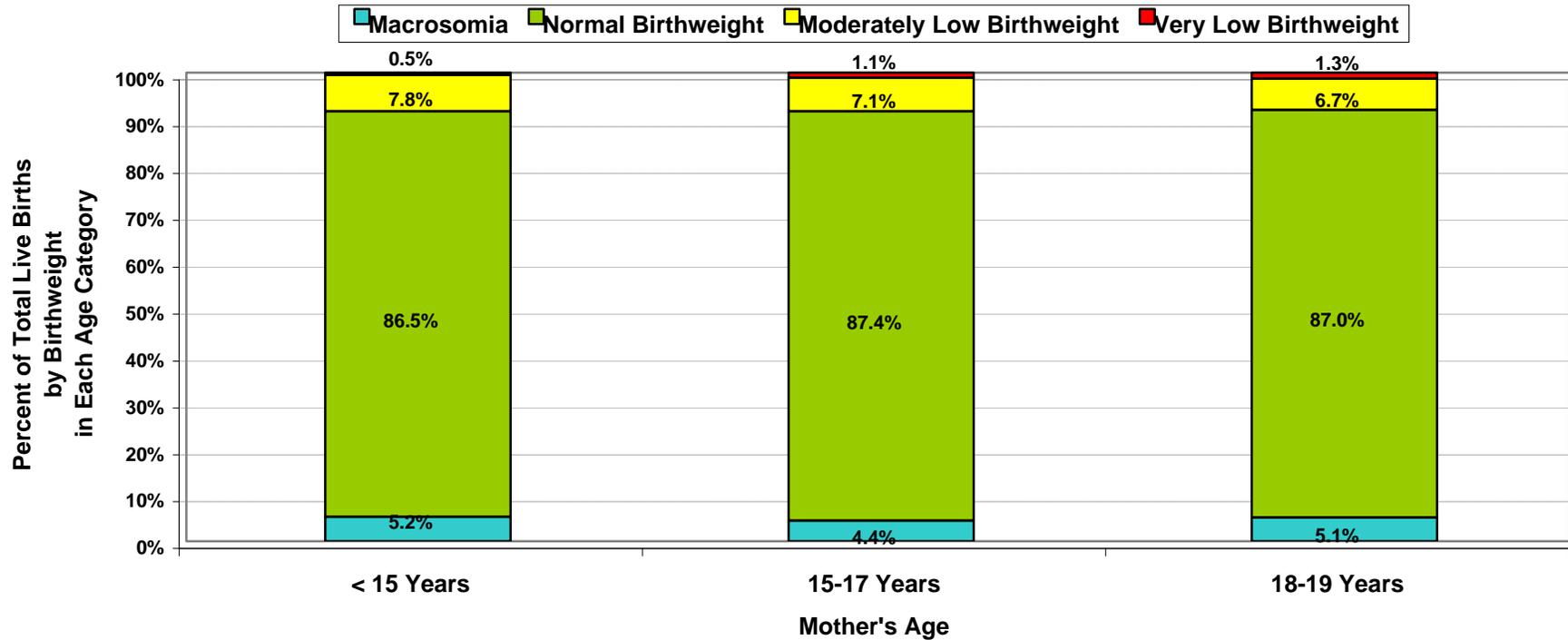


Los Angeles County, 2006						
Mother's Race/Ethnicity	Mother's Age					
	< 15		15-17		18-19	
	Number	Percent	Number	Percent	Number	Percent
African American	22	1.4	454	29.3	1,076	69.3
Asian/Pacific Islander	0	0.0	80	29.2	194	70.8
Hispanic	165	1.3	4,262	34.2	8,017	64.4
Native American	0	0.0	10	41.7	14	58.3
White	6	0.9	180	26.8	485	72.3
Other/Unknown	0	0.0	4	18.2	18	81.8
<b>Total</b>	<b>193</b>	<b>1.3</b>	<b>4,990</b>	<b>33.3</b>	<b>9,804</b>	<b>65.4</b>

Total Live Births
1,552
274
12,444
24
671
22
<b>14,987</b>

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

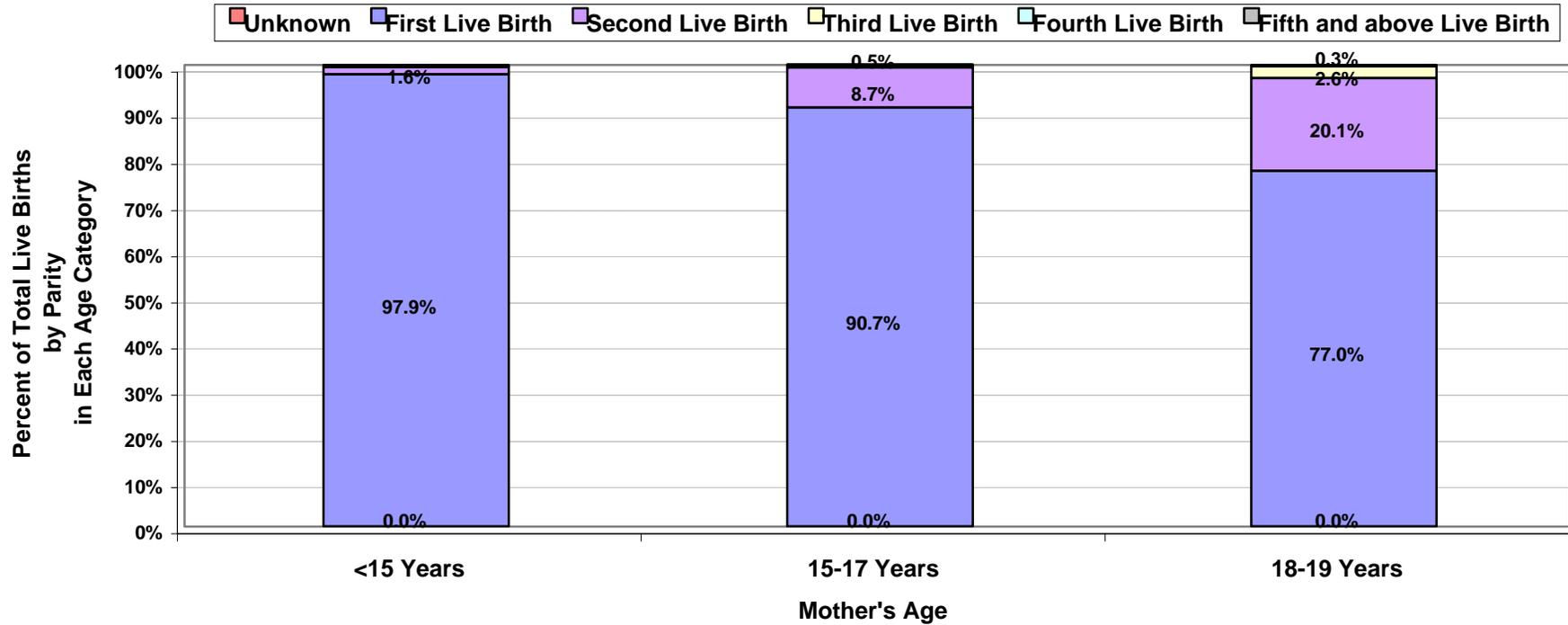
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Birthweight and by Mother's Age  
Los Angeles County, 2006**



Los Angeles County, 2006											
Mother's Age	Very Low Birthweight		Moderately Low Birthweight		Normal Birthweight		Macrosumia		Birthweight Unknown		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	Number	Percent			
< 15	1	0.5	15	7.8	167	86.5	10	5.2	0	0.0	193
15 to 17	56	1.1	355	7.1	4,360	87.4	219	4.4	0	0.0	4,990
18 to 19	125	1.3	657	6.7	8,525	87.0	497	5.1	0	0.0	9,804
<b>Total</b>	<b>182</b>	<b>1.2</b>	<b>1,027</b>	<b>6.9</b>	<b>13,052</b>	<b>87.1</b>	<b>726</b>	<b>4.8</b>	<b>0</b>	<b>0.0</b>	<b>14,987</b>

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

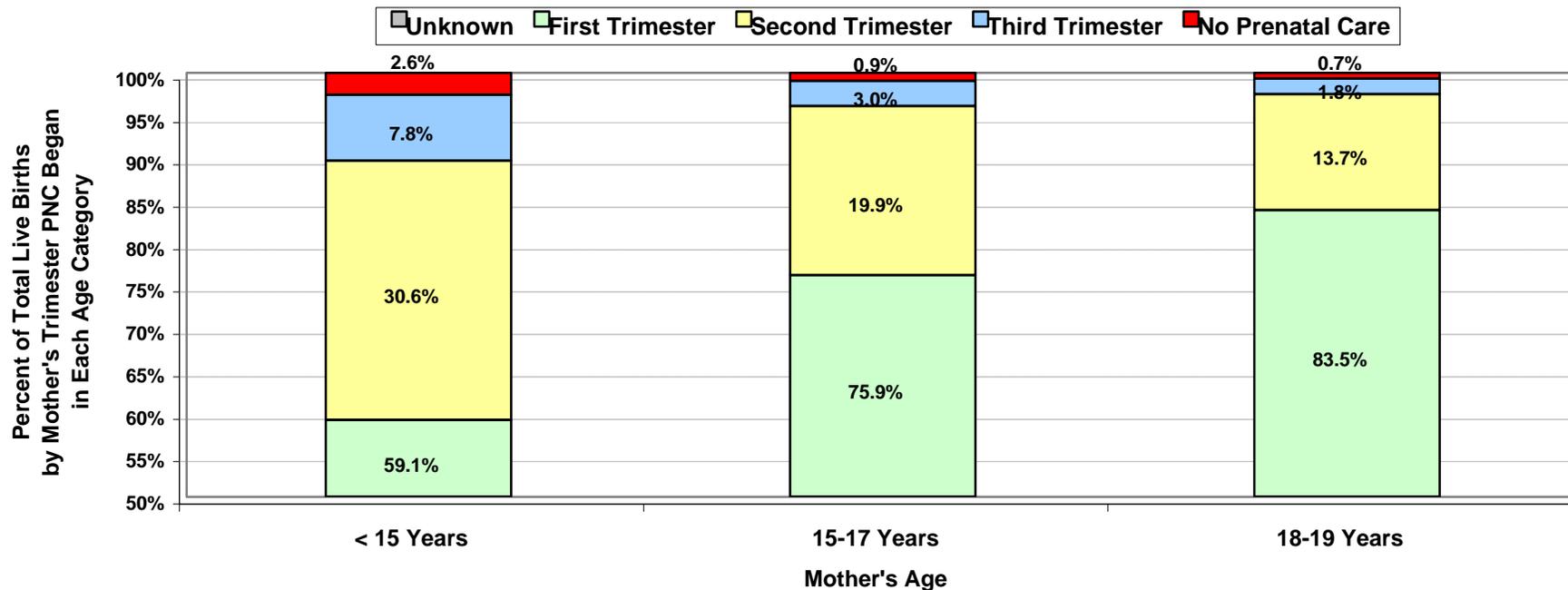
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Parity and by Mother's Age  
Los Angeles County, 2006**



Los Angeles County, 2006													
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	189	97.9	3	1.6	1	0.5	0	0.0	0	0.0	0	0.0	193
15 to 17	4,528	90.7	433	8.7	26	0.5	2	0.0	0	0.0	1	0.0	4,990
18 to 19	7,551	77.0	1,971	20.1	251	2.6	26	0.3	2	0.0	3	0.0	9,804
<b>Total</b>	<b>12,268</b>	<b>81.9</b>	<b>2,407</b>	<b>16.1</b>	<b>278</b>	<b>1.9</b>	<b>28</b>	<b>0.2</b>	<b>2</b>	<b>0.0</b>	<b>4</b>	<b>0.0</b>	<b>14,987</b>

Note: 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.

**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, 2006**



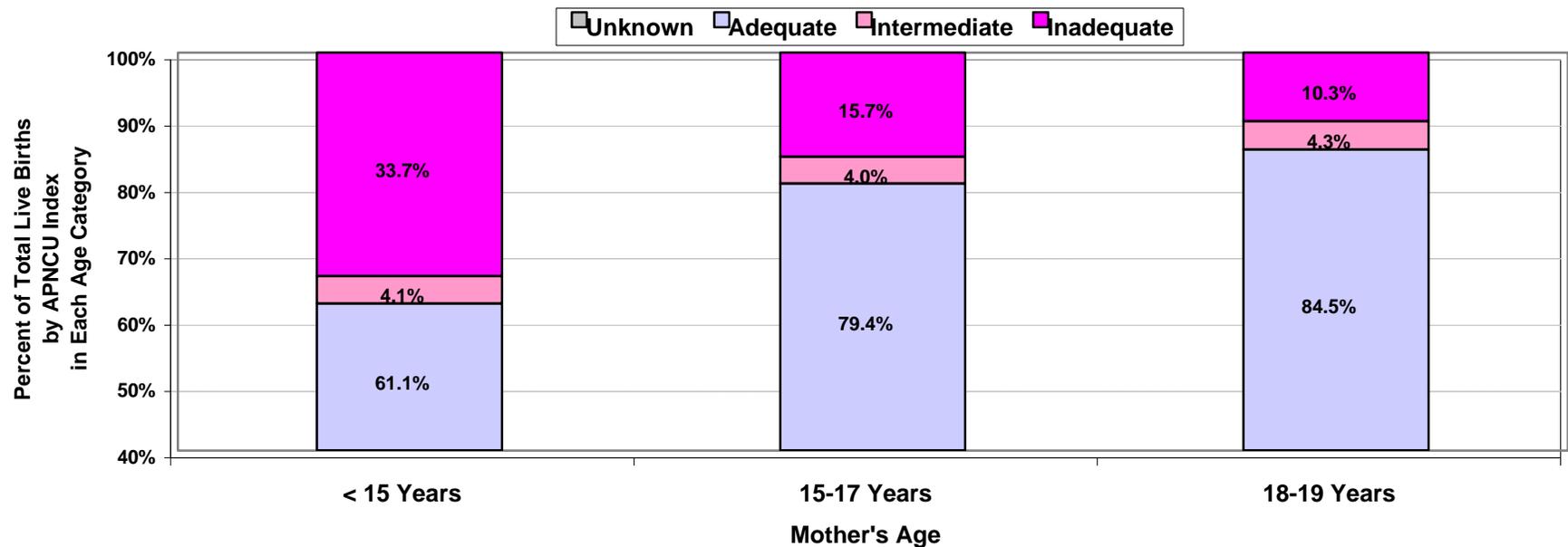
Los Angeles County, 2006											
Mother's Age	No Prenatal Care		Mother's Trimester Prenatal Care Began						Unknown		Total Live Births
			First		Second		Third				
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	5	2.6	114	59.1	59	30.6	15	7.8	0	0.0	193
15 to 17	47	0.9	3,788	75.9	995	19.9	149	3.0	11	0.2	4,990
18 to 19	67	0.7	8,183	83.5	1,341	13.7	179	1.8	34	0.3	9,804
<b>Total</b>	<b>119</b>	<b>0.8</b>	<b>12,085</b>	<b>80.6</b>	<b>2,395</b>	<b>16.0</b>	<b>343</b>	<b>2.3</b>	<b>45</b>	<b>0.3</b>	<b>14,987</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.

Note: "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.

**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, 2006**



Los Angeles County, 2006								
Mother's Age	Adequacy of Prenatal Care Utilization Index							
	Adequate		Intermediate		Inadequate		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 15	118	61.1	8	4.1	65	33.7	2	1.0
15 to 17	3,961	79.4	201	4.0	783	15.7	45	0.9
18 to 19	8,285	84.5	417	4.3	1,014	10.3	88	0.9
<b>Total</b>	<b>12,364</b>	<b>82.5</b>	<b>626</b>	<b>4.2</b>	<b>1,862</b>	<b>12.4</b>	<b>135</b>	<b>0.9</b>

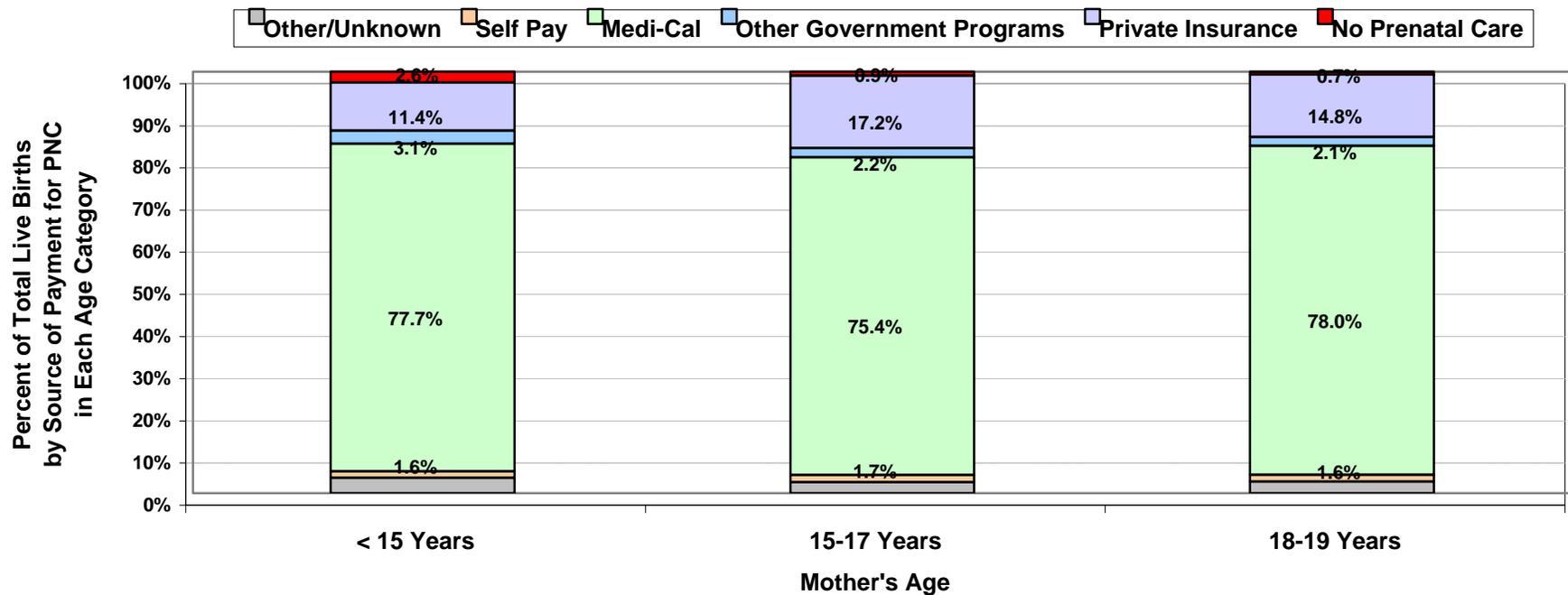
Total Live Births
193
4,990
9,804
<b>14,987</b>

Year 2010 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 90 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.

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

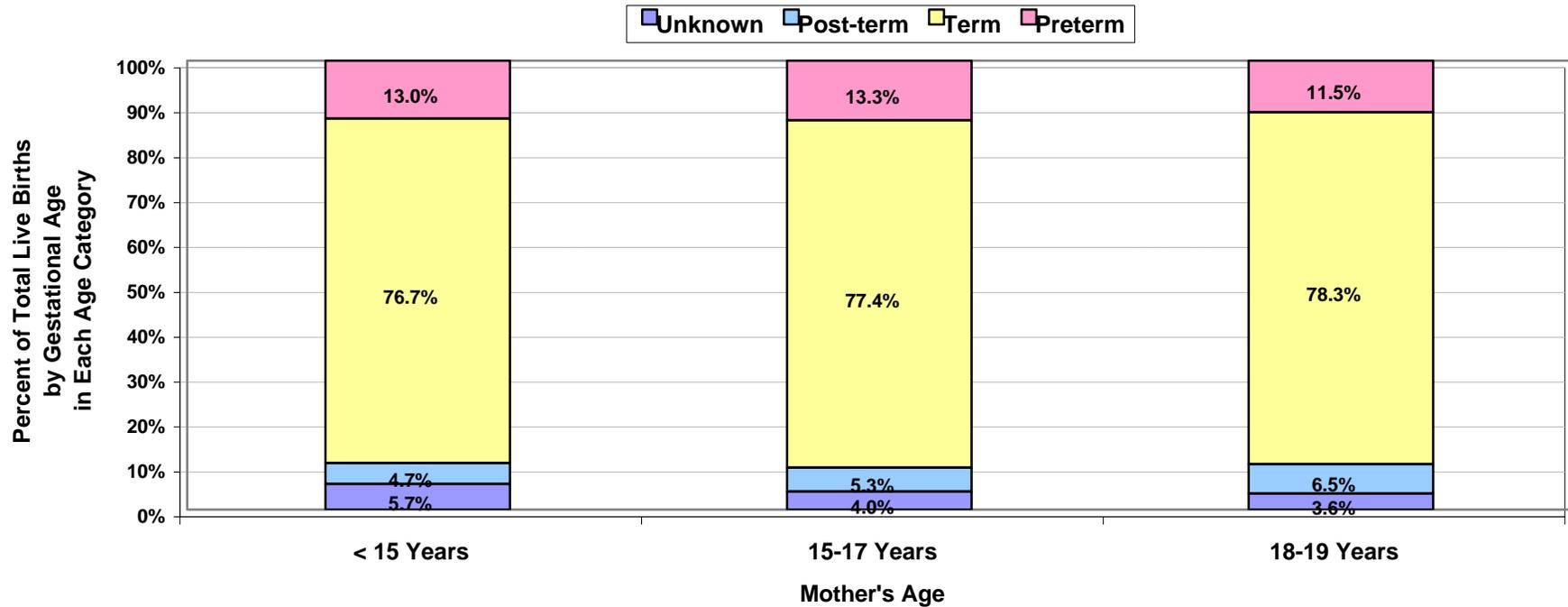
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Source of Payment for Prenatal Care (PNC) and by Mother's Age  
Los Angeles County, 2006**



Mother's Age	Source of Payment for Prenatal Care												Total Live Births
	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	2.6	22	11.4	6	3.1	150	77.7	3	1.6	7	3.6	193
15 to 17	47	0.9	857	17.2	109	2.2	3,762	75.4	85	1.7	130	2.6	4,990
18 to 19	67	0.7	1,451	14.8	210	2.1	7,649	78.0	160	1.6	267	2.7	9,804
<b>Total</b>	<b>119</b>	<b>0.8</b>	<b>2,330</b>	<b>15.5</b>	<b>325</b>	<b>2.2</b>	<b>11,561</b>	<b>77.1</b>	<b>248</b>	<b>1.7</b>	<b>404</b>	<b>2.7</b>	<b>14,987</b>

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

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Gestational Age and by Mother's Age  
Los Angeles County, 2006**

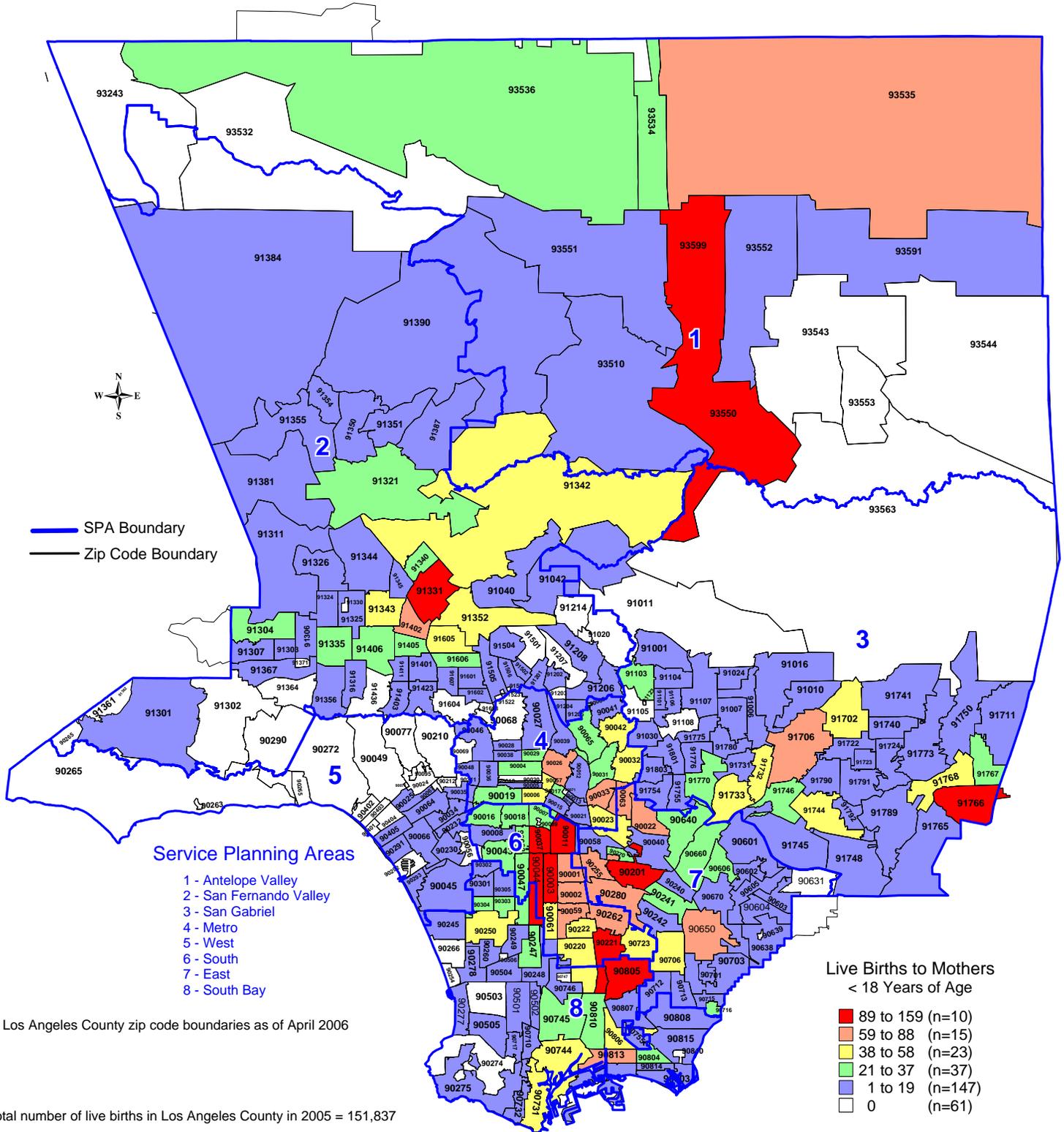


Los Angeles County, 2006											
Mother's Age	Very Preterm		Moderate Preterm		Term		Post-term		Gestational Age Unknown		Total Live Births
	< 32 weeks		32-36 weeks		37-41 weeks		42+ weeks				
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	5	2.6	20	10.4	148	76.7	9	4.7	11	5.7	193
15 to 17	110	2.2	554	11.1	3,860	77.4	265	5.3	201	4.0	4,990
18 to 19	189	1.9	943	9.6	7,681	78.3	642	6.5	349	3.6	9,804
<b>Total</b>	<b>304</b>	<b>2.0</b>	<b>1,517</b>	<b>10.1</b>	<b>11,689</b>	<b>78.0</b>	<b>916</b>	<b>6.1</b>	<b>561</b>	<b>3.7</b>	<b>14,987</b>

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

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

Los Angeles County, 2006



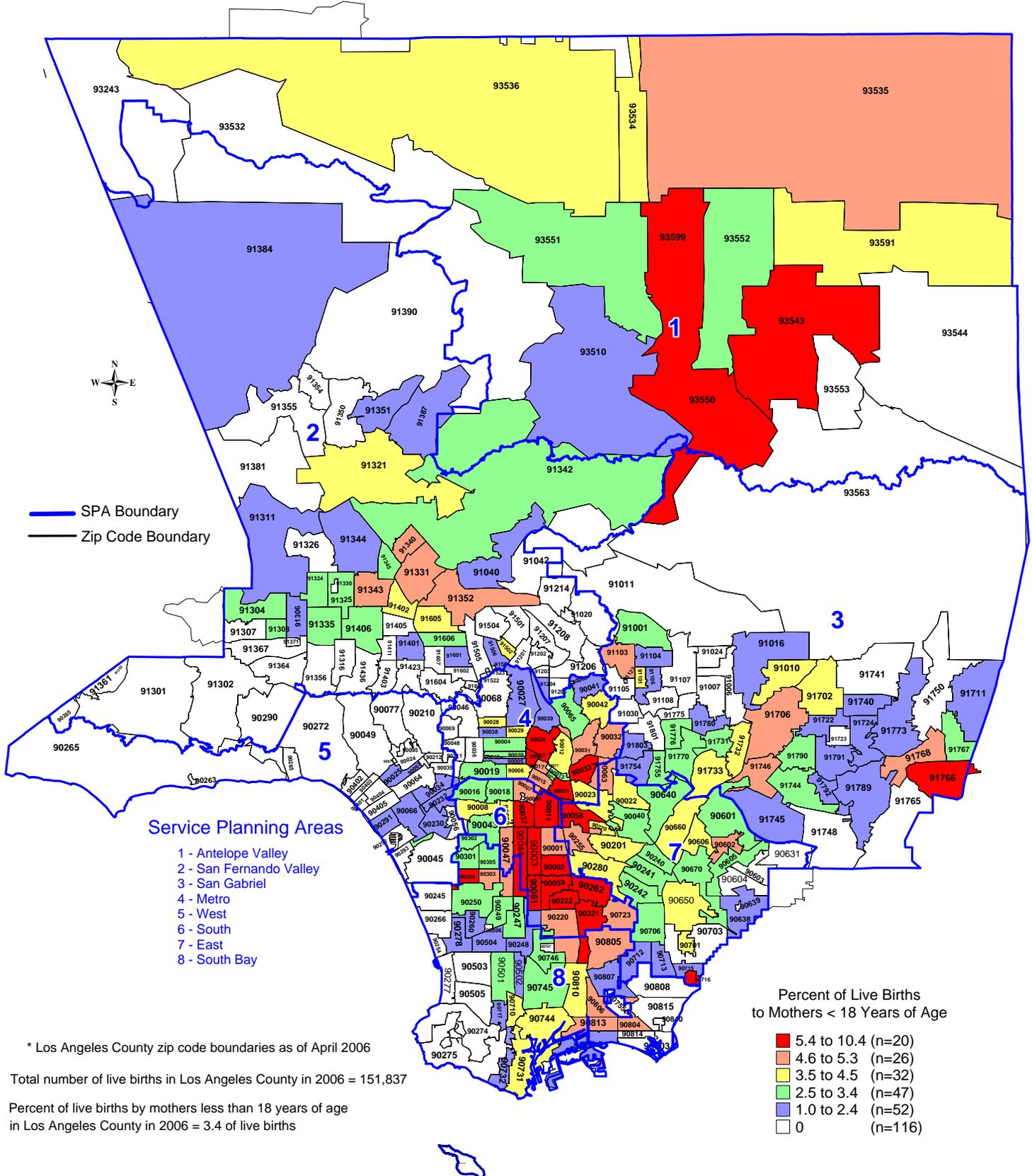
\* Los Angeles County zip code boundaries as of April 2006

Total number of live births in Los Angeles County in 2005 = 151,837

Total number of live births by mothers less than 18 years of age in Los Angeles County in 2006 = 5,183

# Percent of Live Births by Mothers Less Than 18 Years of Age 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 in 2006 = 151,837

Percent of live births by mothers less than 18 years of age in Los Angeles County in 2006 = 3.4 of live births

n = total number of zip codes in range