

# 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
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
2010	433	0.3	0.3	0.4	112	0.3	0.3	0.4

Year	Denominator: Females < 15 (i.e. 10 - 14)	
	California	LA County
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
2010	1,265,015	331,743

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, 2001-2010.

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

2010 Census Summary File 1 - California: Single Years of Age and Sex: 2010, Prepared by the Census Bureau, 2011.

2010 Census Summary File 1 - Los Angeles: Single Years of Age and Sex: 2010, Prepared by the Census Bureau, 2011.

**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
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
2010	13,308	16.4	16.2	16.7	3,770	17.4	16.9	17.9

Denominator: Female 15-17		
Year	California	LA County
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
2010	809,880	216,776

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, 2001-2010.

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

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**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
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
2010	29,819	53.3	52.8	53.9	7,907	52.1	51.0	53.2

Denominator: Female 18-19		
Year	California	LA County
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
2010	558,978	151,843

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

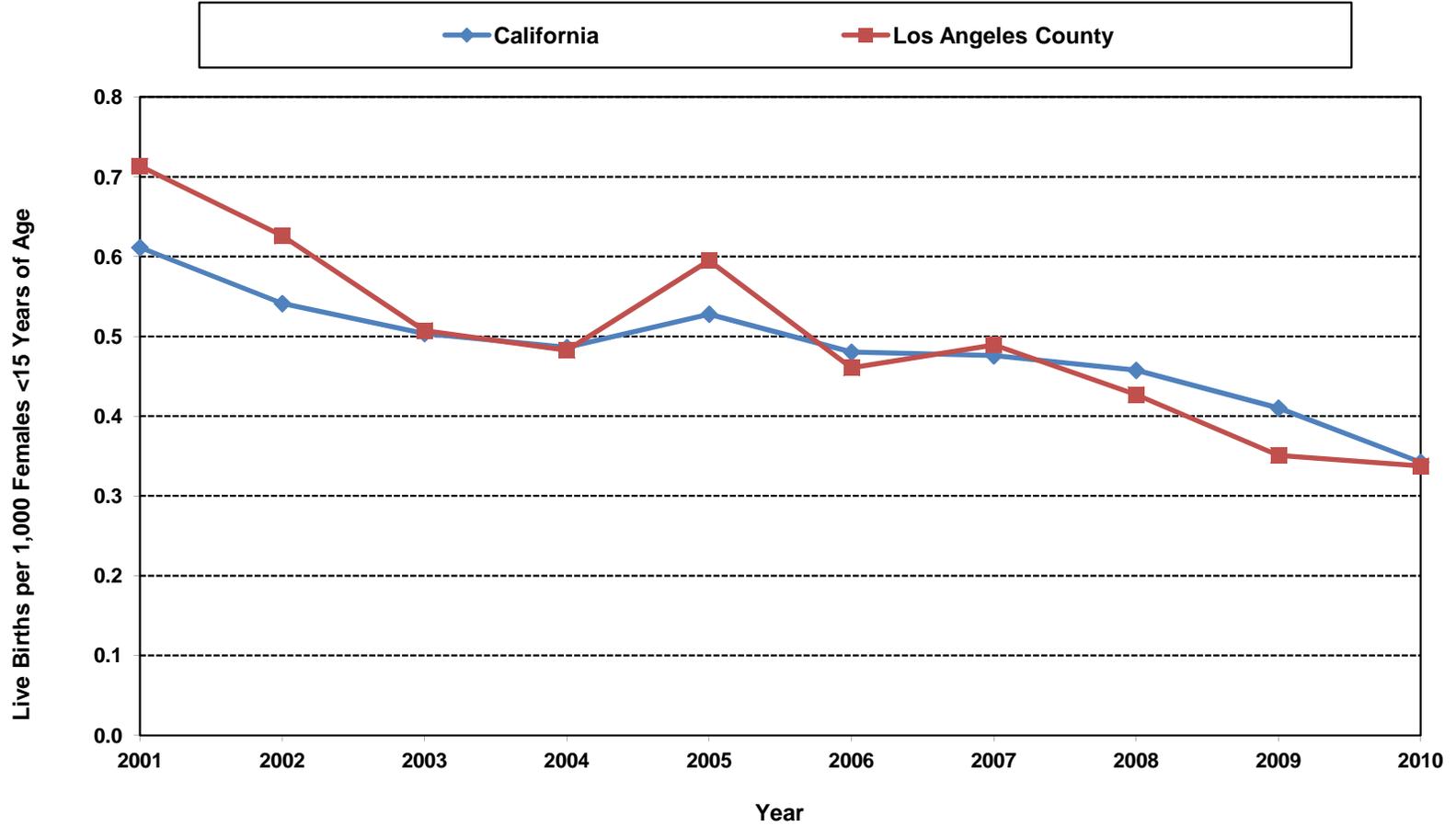
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2001-2010.

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

2010 Census Summary File 1 - California: Single Years of Age and Sex: 2010, Prepared by the Census Bureau, 2011.

2010 Census Summary File 1 - Los Angeles: Single Years of Age and Sex: 2010, Prepared by the Census Bureau, 2011.

**Live Births per 1,000 Adolescent Females Less Than 15 Years of Age  
California vs. Los Angeles County, 2001-2010**



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

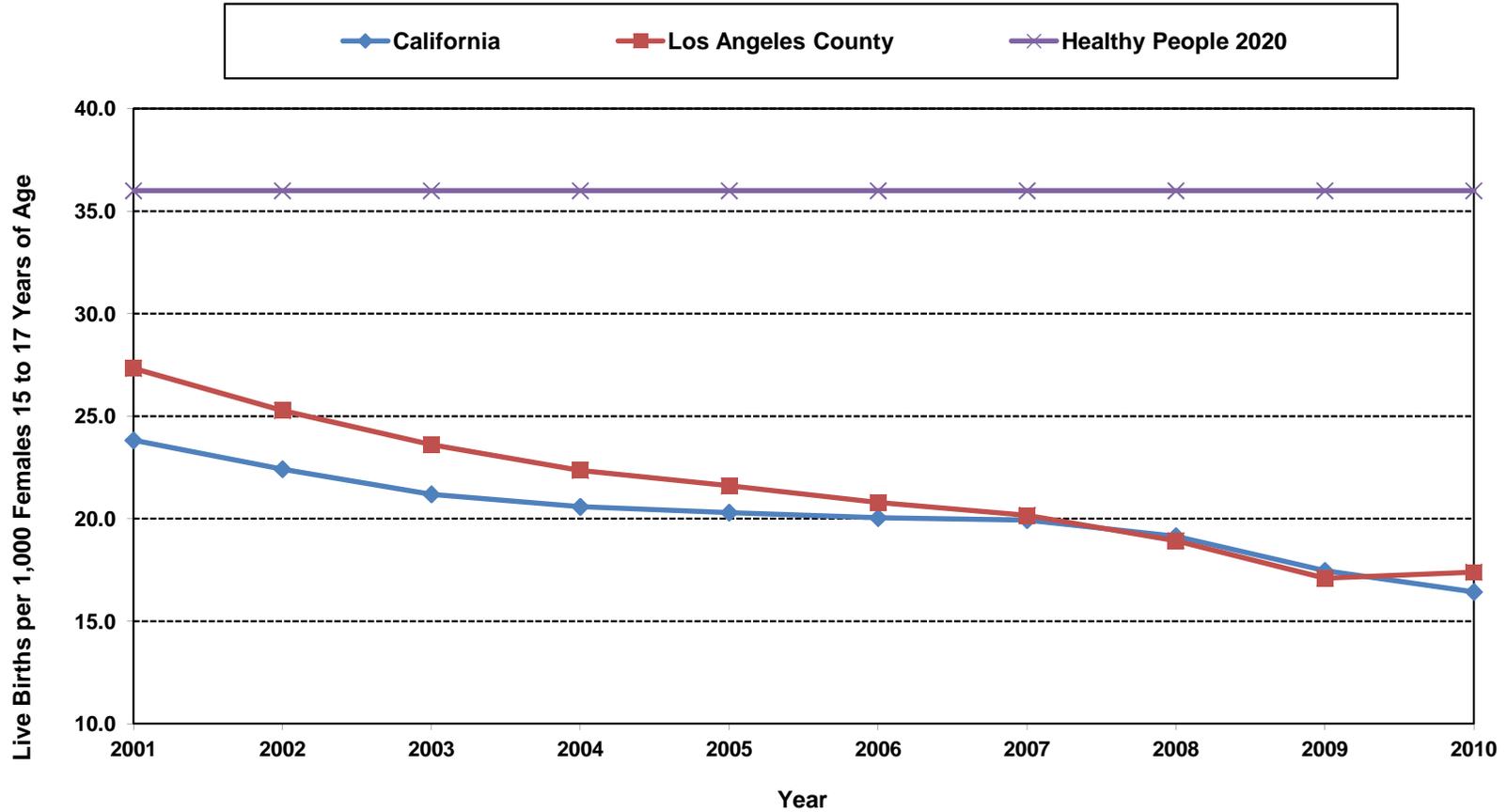
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2001-2010.

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

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2010 Census Summary File 1 - Los Angeles: Single Years of Age and Sex: 2010, Prepared by the Census Bureau, 2011.

**Live Births per 1,000 Adolescent Females 15 to 17 Years of Age  
California vs. Los Angeles County, 2001-2010**



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".

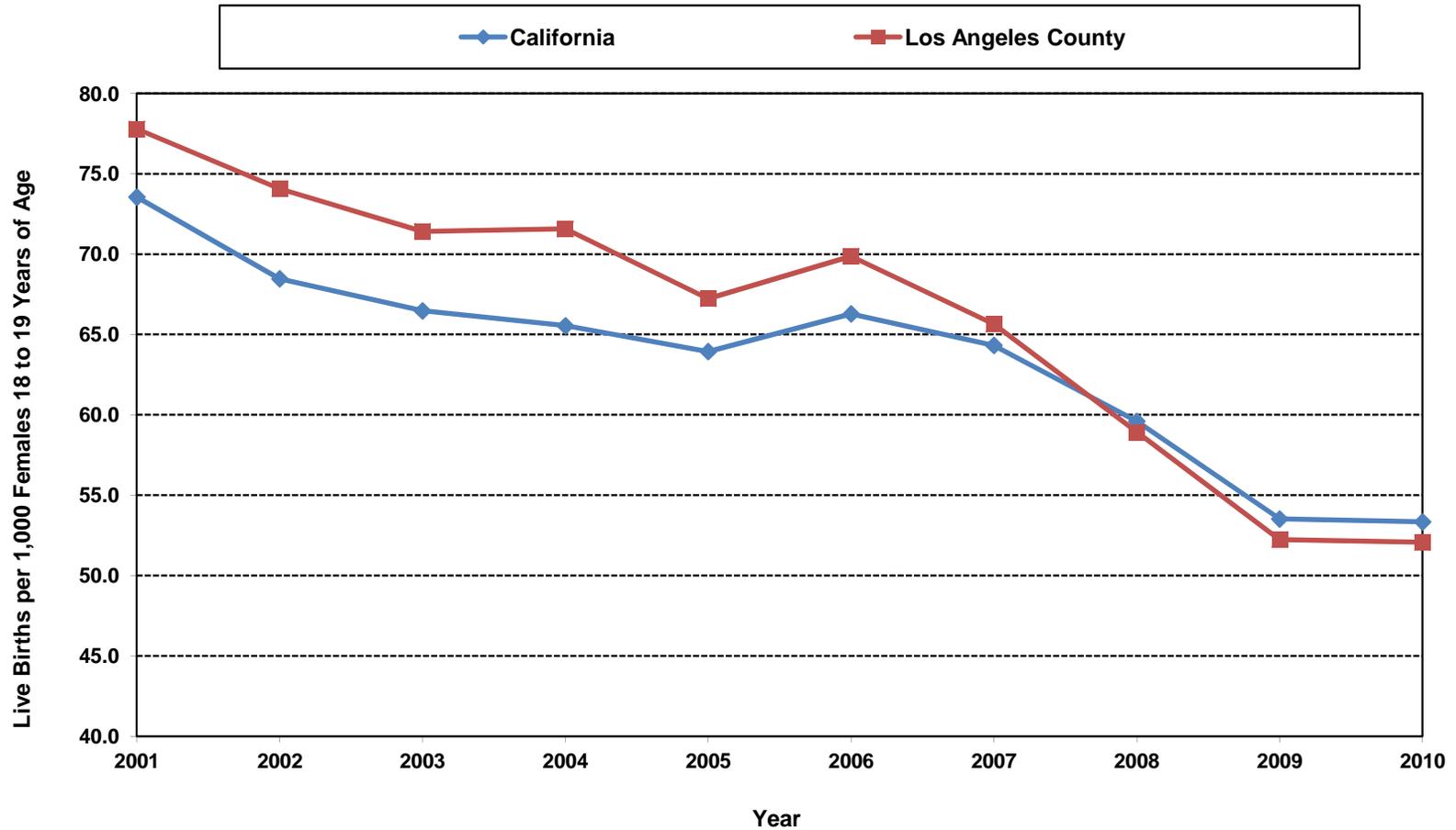
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2001-2010.

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

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2010 Census Summary File 1 - Los Angeles: Single Years of Age and Sex: 2010, Prepared by the Census Bureau, 2011.

**Live Births per 1,000 Adolescent Females 18 to 19 Years of Age  
California vs. Los Angeles County, 2001-2010**



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

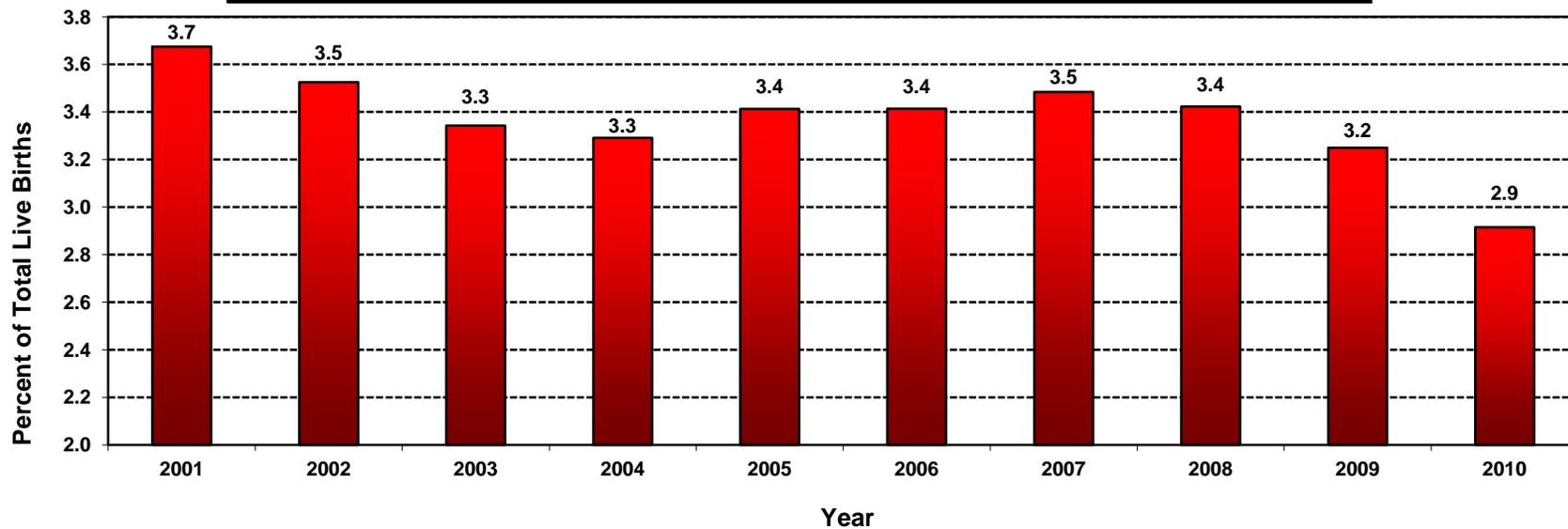
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2001-2010.

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

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2010 Census Summary File 1 - Los Angeles: Single Years of Age and Sex: 2010, Prepared by the Census Bureau, 2011.

**Live Births to Mothers Less Than 18 Years of Age, as Percent of Total Live Births  
Los Angeles County, 2001-2010**

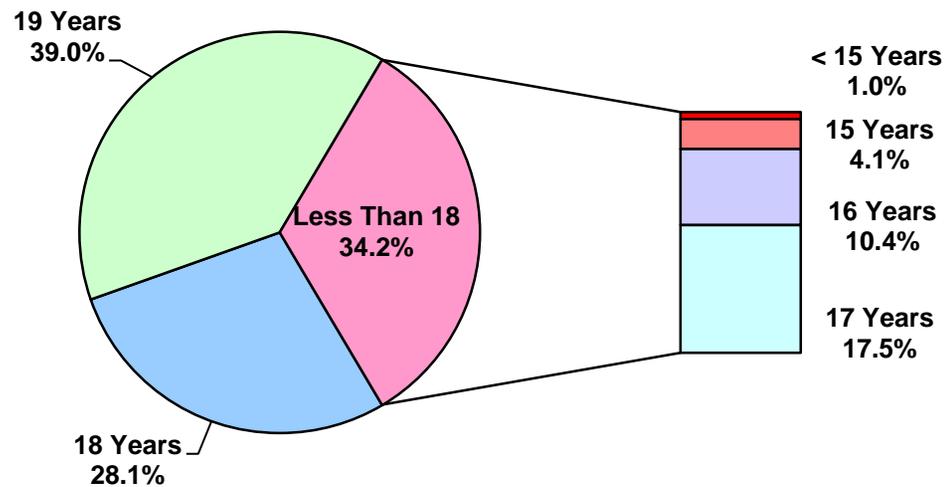


Los Angeles County, 2001-2010		
Year	Live Births to Mothers < 18 Years of Age	
	Number	Percent
2001	5,642	3.7
2002	5,329	3.5
2003	5,087	3.3
2004	4,986	3.3
2005	5,132	3.4
2006	5,183	3.4
2007	5,289	3.5
2008	5,055	3.4
2009	4,539	3.2
2010	3,882	2.9

Denominator: Total Live Births
153,523
151,167
152,192
151,504
150,377
151,837
151,813
147,684
139,679
133,160

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2001-2010.

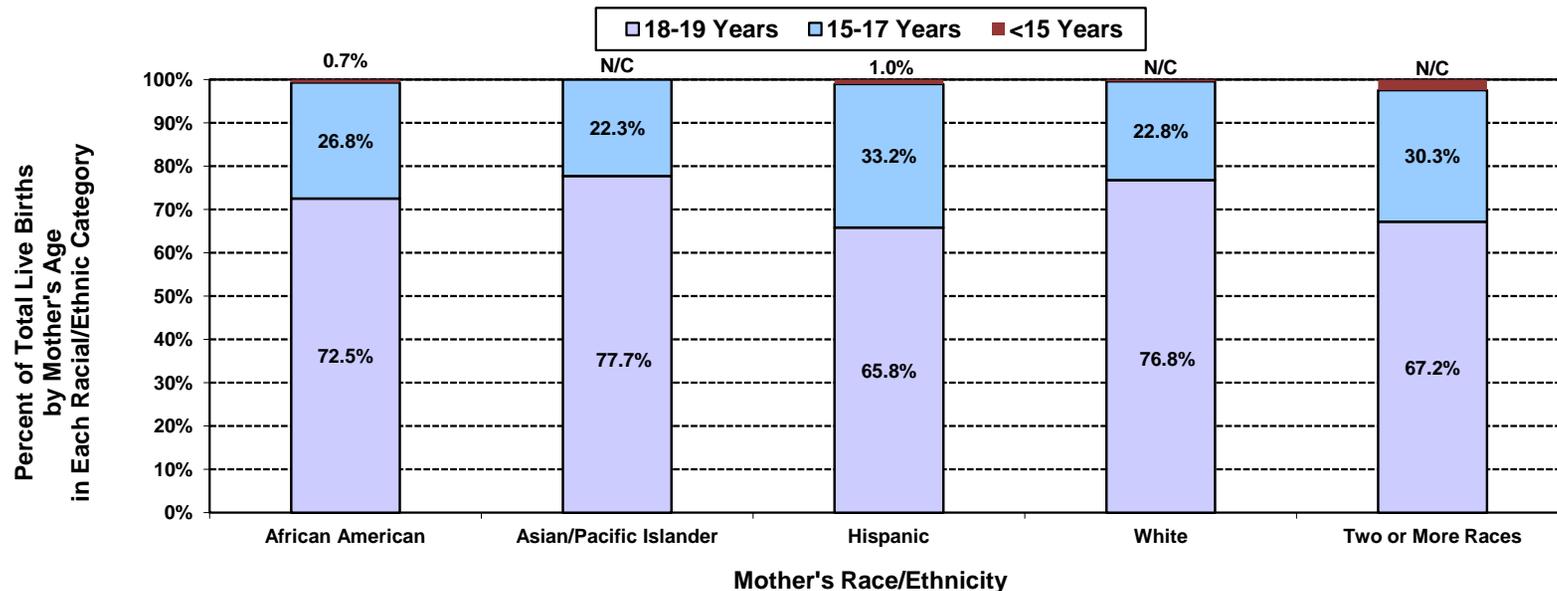
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Mother's Age  
Los Angeles County, 2010**



Los Angeles County, 2010				
Mother's Age	Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
< 15	112	1.0	0.8	1.1
15	483	4.1	3.7	4.5
16	1,229	10.4	9.9	11.0
17	2,058	17.5	16.8	18.1
18	3,314	28.1	27.3	28.9
19	4,593	39.0	38.1	39.8
<b>Total</b>	<b>11,789</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, 2010.

**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, 2010**



Los Angeles County, 2010						
Mother's Race/Ethnicity	Mother's Age					
	< 15		15-17		18-19	
	Number	Percent	Number	Percent	Number	Percent
African American	8	0.7	314	26.8	851	72.5
Asian/Pacific Islander	<5	N/C	35	22.3	122	77.7
Hispanic	98	1.0	3,259	33.2	6,459	65.8
Native American	<5	N/C	8	47.1	9	52.9
White	<5	N/C	104	22.8	351	76.8
Two or More Races	<5	N/C	37	30.3	82	67.2
Other/Unknown	<5	N/C	13	27.7	33	70.2
<b>Total</b>	<b>112</b>	<b>1.0</b>	<b>3,770</b>	<b>32.0</b>	<b>7,907</b>	<b>67.1</b>

Total Live Births
1,173
157
9,816
17
457
122
47
<b>11,789</b>

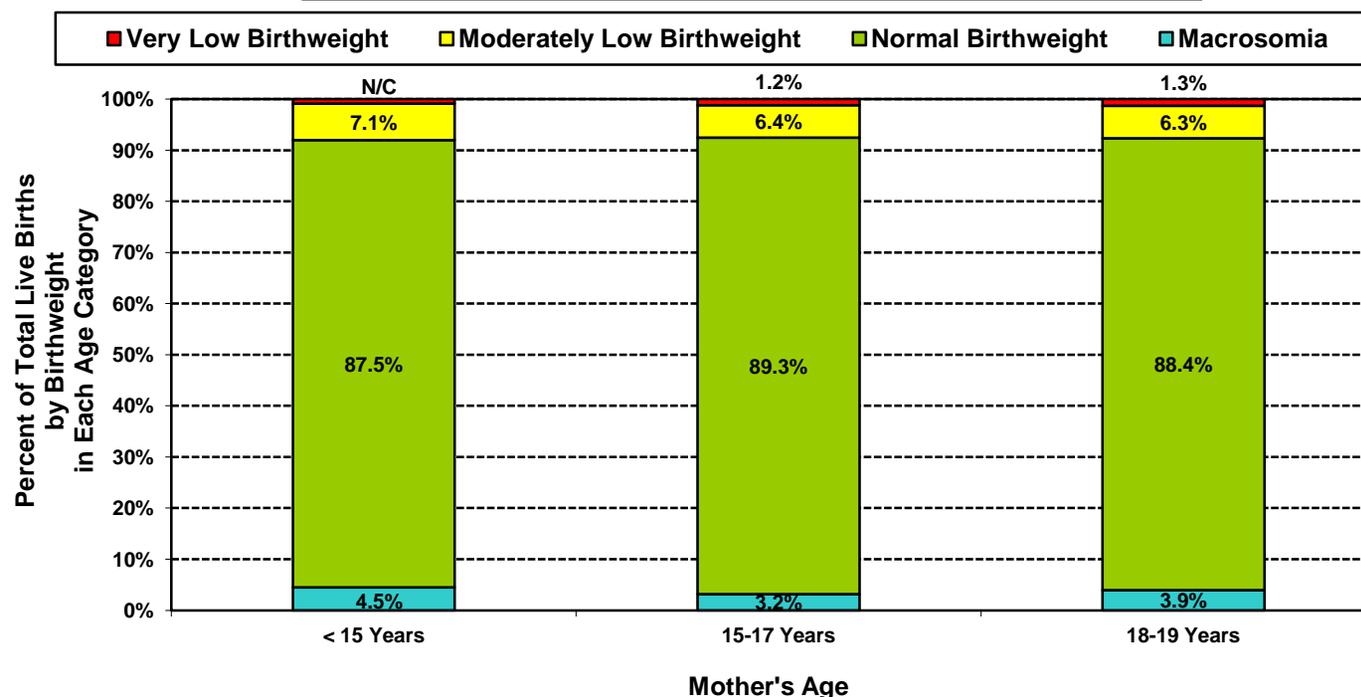
Note: Racial/ethnic categorization has been revised in this report; data from previous year reports may not be comparable.

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, 2010.

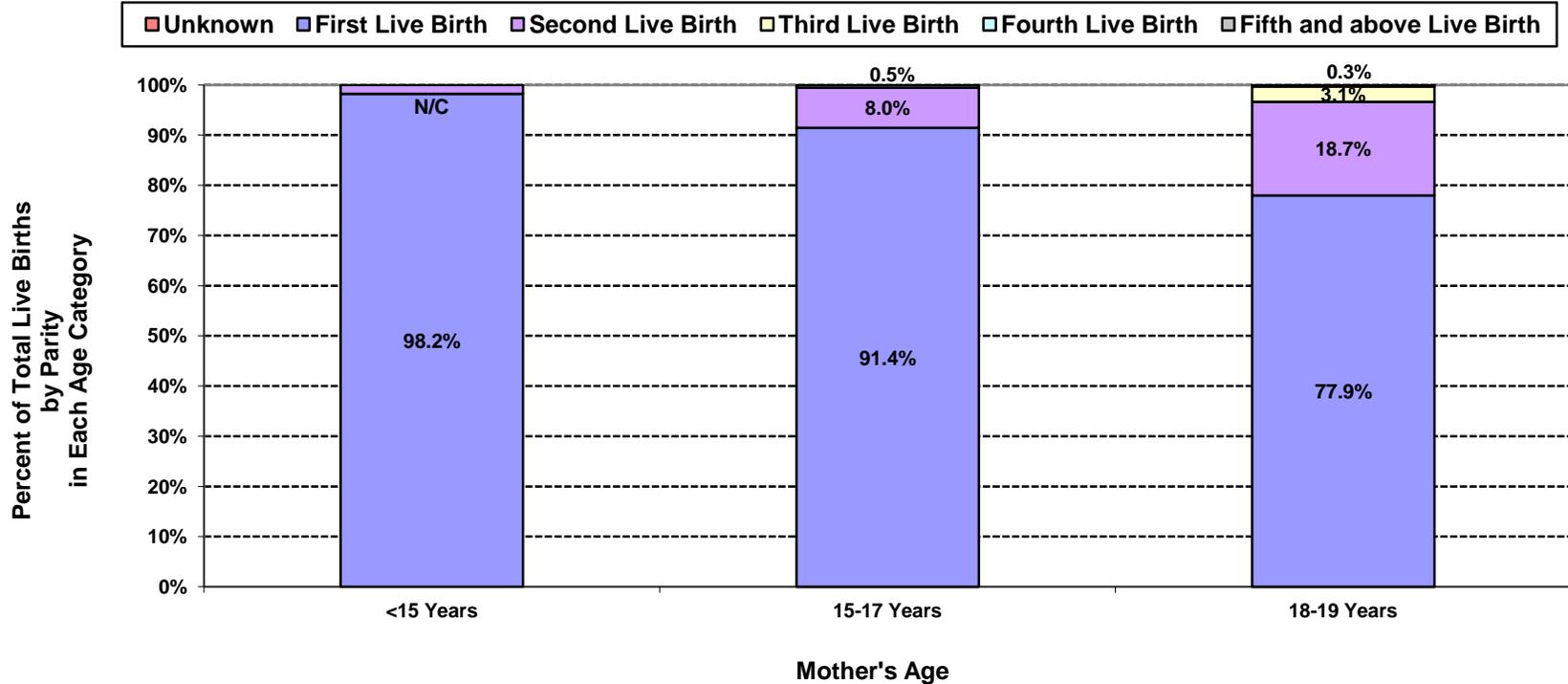
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Birthweight and by Mother's Age  
Los Angeles County, 2010**



Los Angeles County, 2010									
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	8	7.1	98	87.5	5	4.5	112
15 to 17	44	1.2	240	6.4	3,367	89.3	119	3.2	3,770
18 to 19	104	1.3	500	6.3	6,993	88.4	310	3.9	7,907
<b>Total</b>	<b>149</b>	<b>1.3</b>	<b>748</b>	<b>6.3</b>	<b>10,458</b>	<b>88.7</b>	<b>434</b>	<b>3.7</b>	<b>11,789</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, 2010.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Parity and by Mother's Age  
Los Angeles County, 2010**



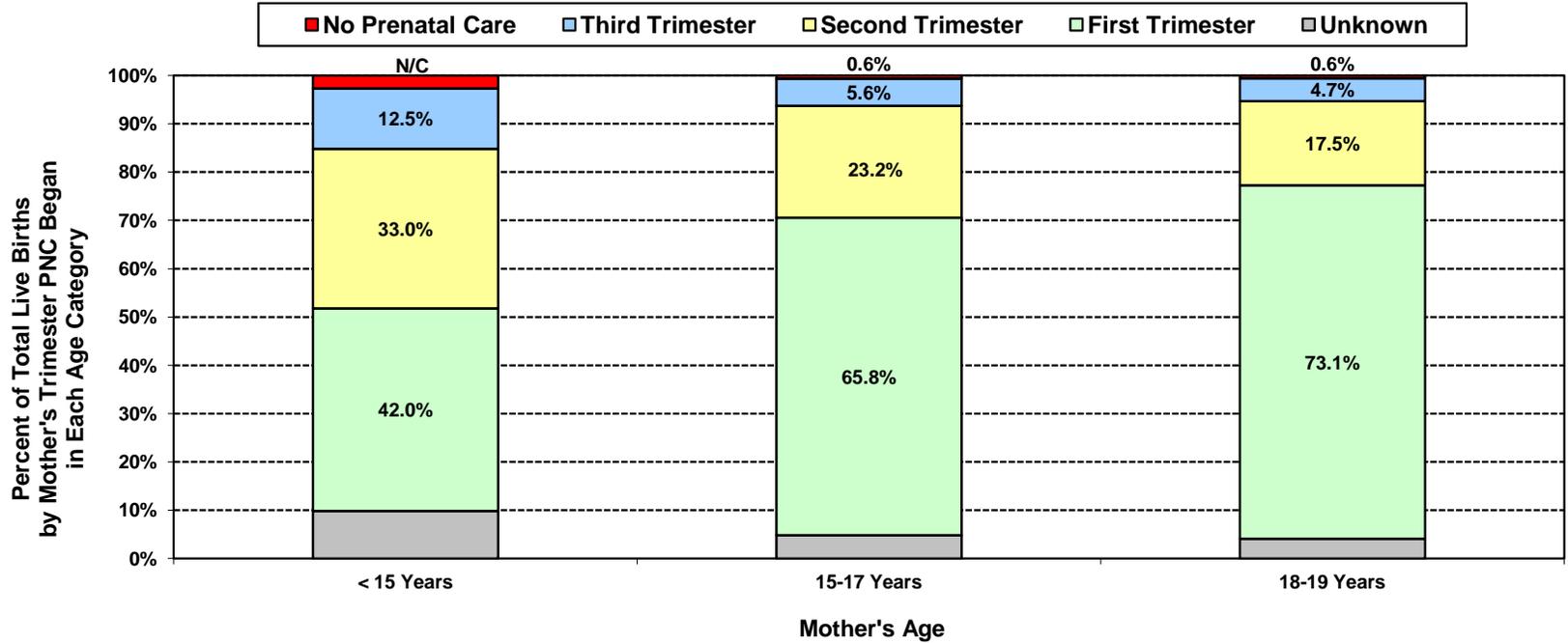
Los Angeles County, 2010													
Mother's Age	Parity												Total Live Births
	First Live Birth		Second Live Birth		Third Live Birth		Fourth Live Birth		Fifth+ Live Birth		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	110	98.2	<5	N/C	<5	N/C	<5	N/C	<5	N/C	<5	N/C	112
15 to 17	3,446	91.4	302	8.0	20	0.5	<5	N/C	<5	N/C	<5	N/C	3,770
18 to 19	6,160	77.9	1,477	18.7	243	3.1	21	0.3	<5	N/C	<5	N/C	7,907
<b>Total</b>	<b>9,716</b>	<b>82.4</b>	<b>1,781</b>	<b>15.1</b>	<b>263</b>	<b>2.2</b>	<b>21</b>	<b>0.2</b>	<b>&lt;5</b>	<b>N/C</b>	<b>6</b>	<b>0.1</b>	<b>11,789</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, 2010.

**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, 2010**



Los Angeles County, 2010											
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	N/C	47	42.0	37	33.0	14	12.5	11	9.8	112
15 to 17	24	0.6	2,479	65.8	873	23.2	213	5.6	181	4.8	3,770
18 to 19	48	0.6	5,783	73.1	1,380	17.5	371	4.7	325	4.1	7,907
<b>Total</b>	<b>75</b>	<b>0.6</b>	<b>8,309</b>	<b>70.5</b>	<b>2,290</b>	<b>19.4</b>	<b>598</b>	<b>5.1</b>	<b>517</b>	<b>4.4</b>	<b>11,789</b>

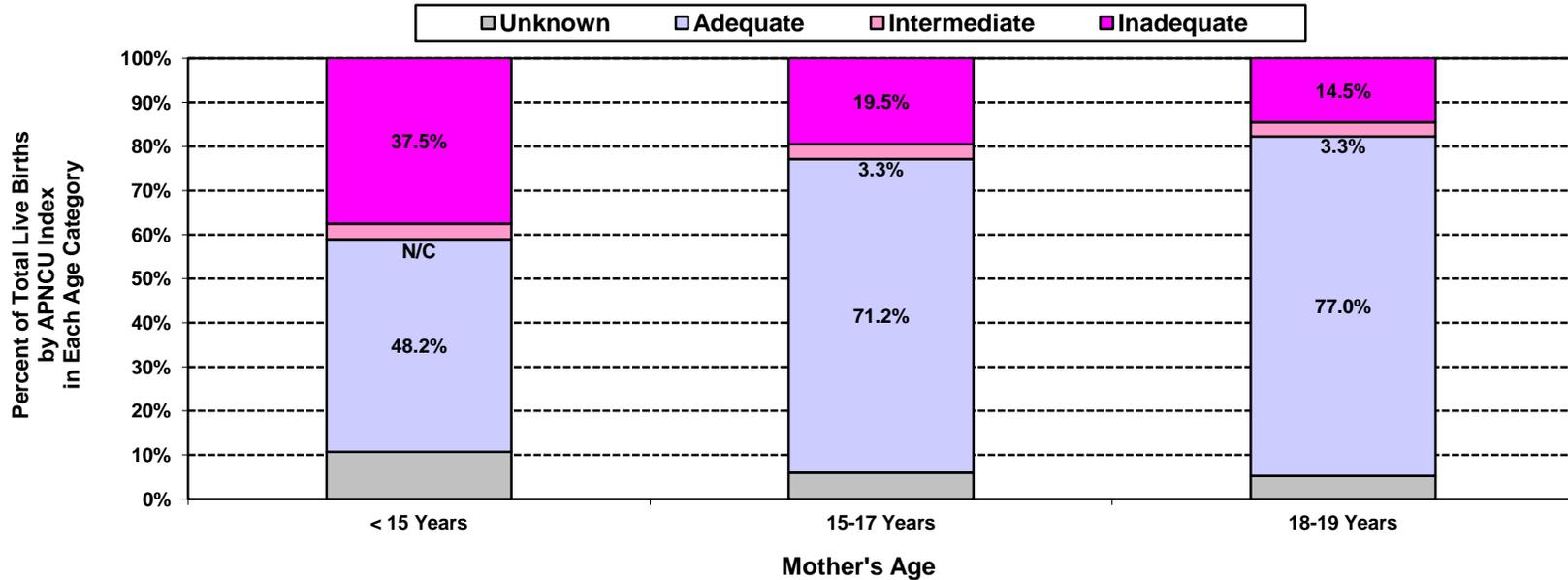
Year 2010 Objective: Increase the proportion of pregnant women who receive prenatal care in the first trimester of pregnancy to 90 percent of live births.

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, 2010.

**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, 2010**



Los Angeles County, 2010									Total Live Births
Mother's Age	Adequacy of Prenatal Care Utilization Index								
	Adequate		Intermediate		Inadequate		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	54	48.2	<5	N/C	42	37.5	12	10.7	112
15 to 17	2,683	71.2	125	3.3	735	19.5	227	6.0	3,770
18 to 19	6,090	77.0	257	3.3	1,144	14.5	416	5.3	7,907
<b>Total</b>	<b>8,827</b>	<b>74.9</b>	<b>386</b>	<b>3.3</b>	<b>1,921</b>	<b>16.3</b>	<b>655</b>	<b>5.6</b>	<b>11,789</b>

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

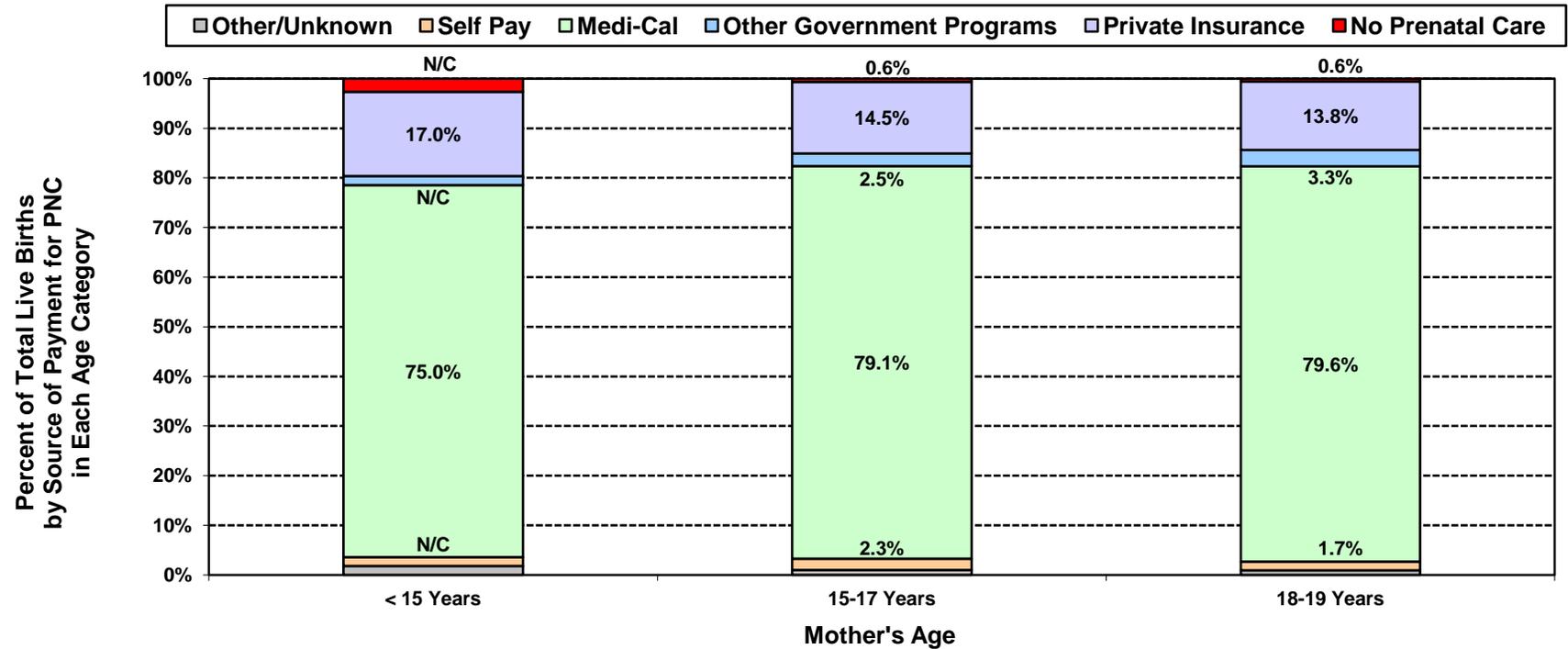
Year 2020 Objectives: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.9 percent of live births.

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, 2010.

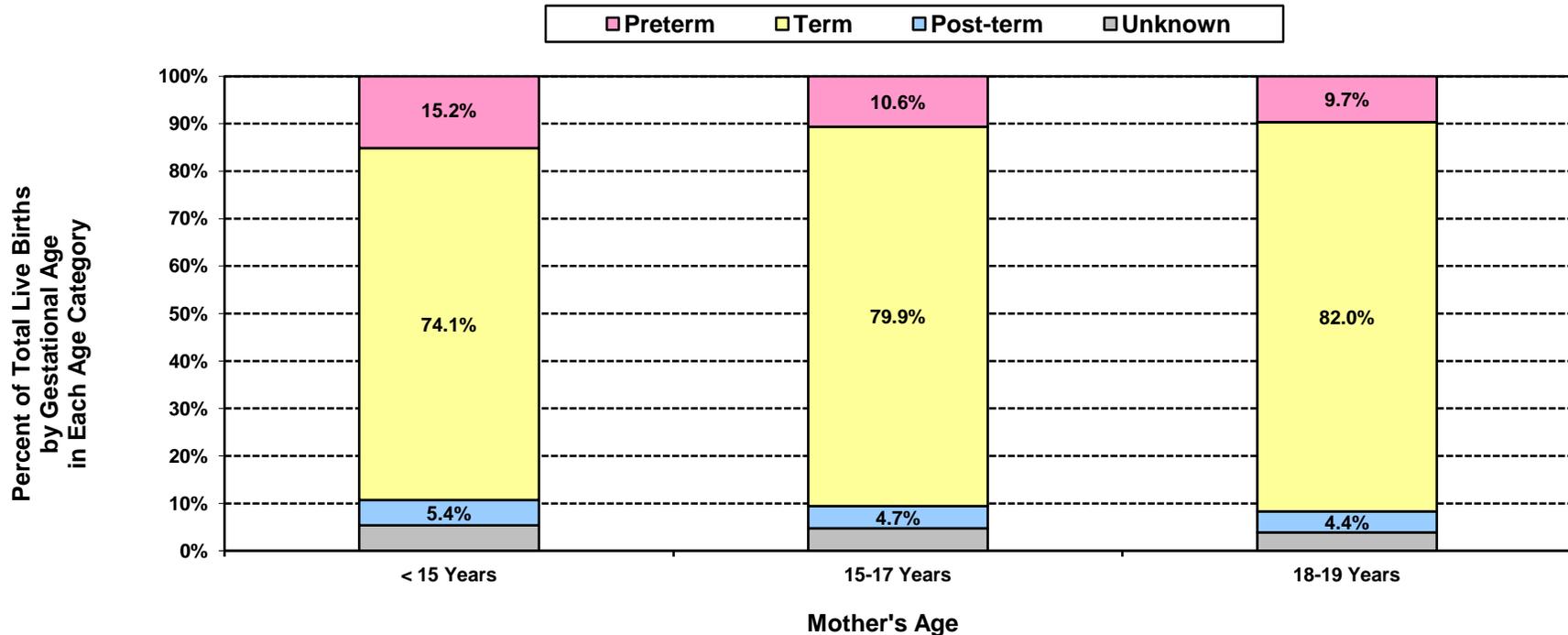
**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Source of Payment for Prenatal Care (PNC) and by Mother's Age  
Los Angeles County, 2010**



Los Angeles County, 2010													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	19	17.0	<5	N/C	84	75.0	<5	N/C	<5	N/C	112
15 to 17	24	0.6	545	14.5	96	2.5	2,981	79.1	87	2.3	37	1.0	3,770
18 to 19	48	0.6	1,088	13.8	263	3.3	6,296	79.6	137	1.7	75	0.9	7,907
<b>Total</b>	<b>75</b>	<b>0.6</b>	<b>1,652</b>	<b>14.0</b>	<b>361</b>	<b>3.1</b>	<b>9,361</b>	<b>79.4</b>	<b>226</b>	<b>1.9</b>	<b>114</b>	<b>1.0</b>	<b>11,789</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, 2010.

**Percent of Live Births to Mothers Less Than 20 Years of Age  
by Gestational Age and by Mother's Age  
Los Angeles County, 2010**

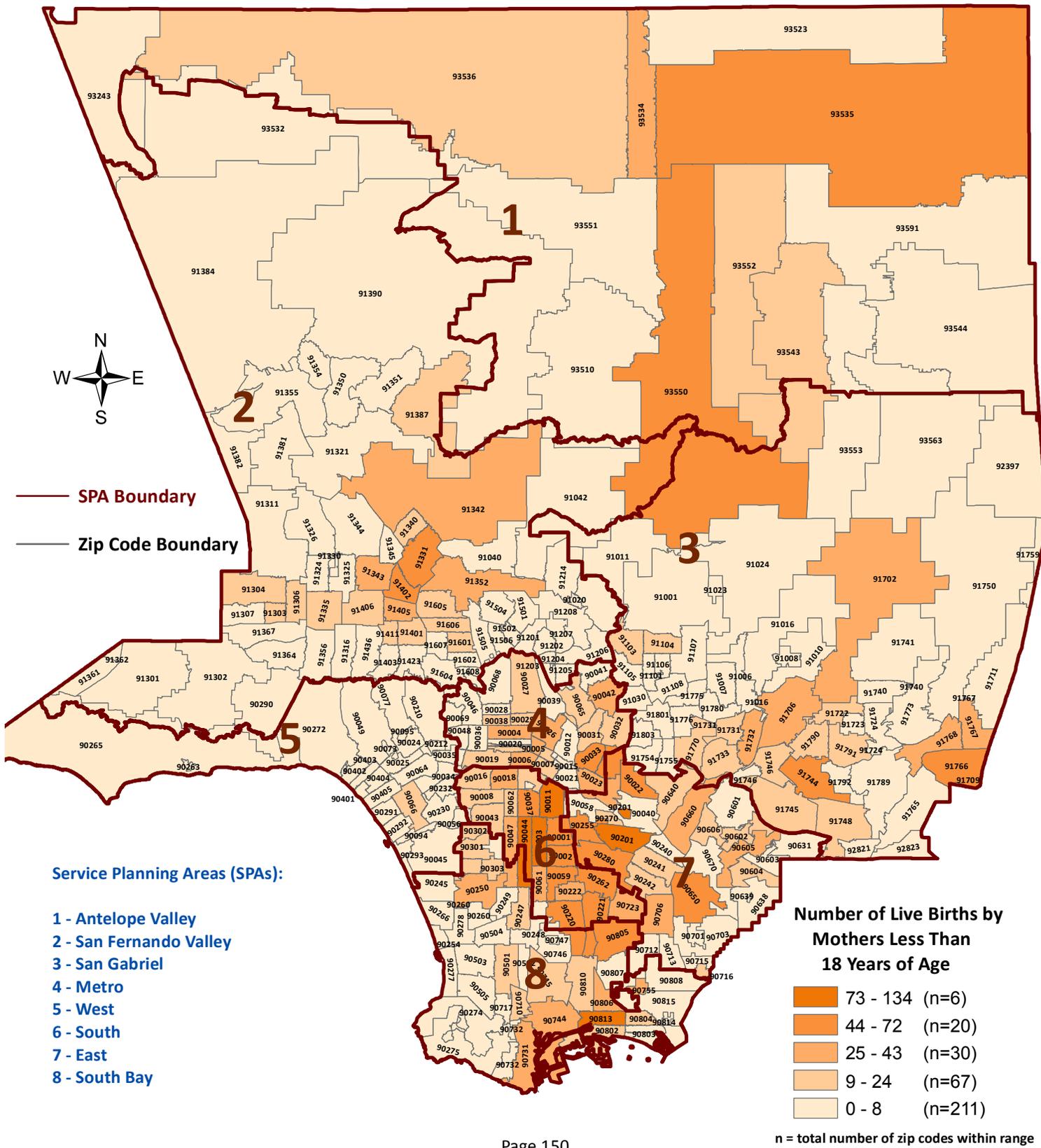


Los Angeles County, 2010											
Mother's Age	Very Preterm		Moderate Preterm		Term		Post-term		Gestational Age Unknown		Total Live Births
	< 32 weeks		32-36 weeks		37-41 weeks		42+ weeks		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	<5	N/C	16	14.3	83	74.1	6	5.4	6	5.4	112
15 to 17	80	2.1	321	8.5	3,014	79.9	177	4.7	178	4.7	3,770
18 to 19	133	1.7	634	8.0	6,484	82.0	351	4.4	305	3.9	7,907
<b>Total</b>	<b>214</b>	<b>1.8</b>	<b>971</b>	<b>8.2</b>	<b>9,581</b>	<b>81.3</b>	<b>534</b>	<b>4.5</b>	<b>489</b>	<b>4.1</b>	<b>11,789</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, 2010.

**Los Angeles County - Department of Public Health**  
**Number of Live Births by Mothers Less Than 18 Years of Age by Zip Code\* and Service Planning Area (SPA)**  
**Los Angeles County, 2010**



\*Los Angeles County zip code boundaries as of April 2007

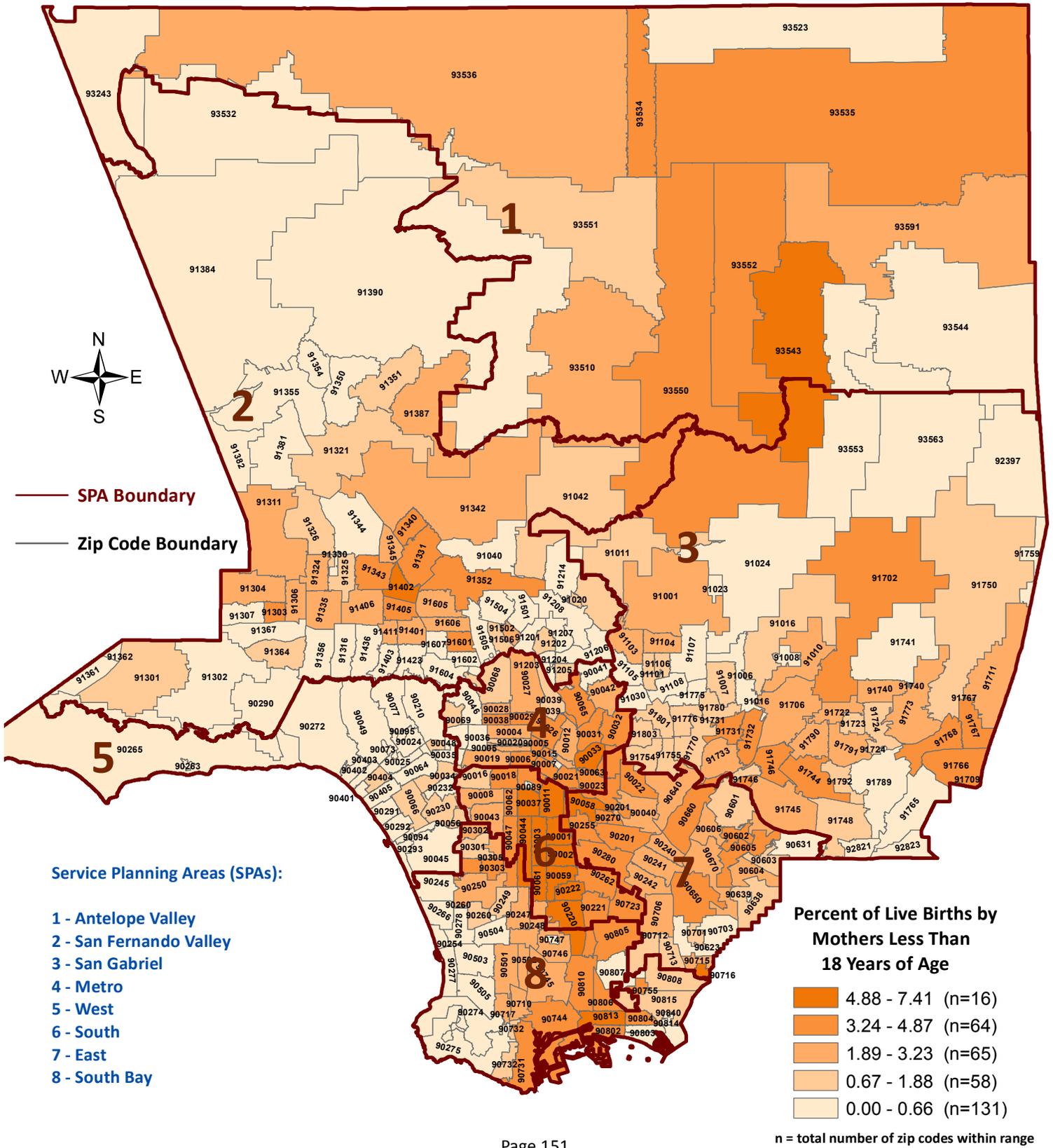
Total number of live births in Los Angeles County, 2010= 133,160

Total number of live births by mothers less than 18 years of age in Los Angeles County, 2010 = 3,882

Zip code 90704 (Catalina Island) is not included. Total number of live births by mothers less than 18 years of age in 90704, 2010 = 0

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.

**Los Angeles County - Department of Public Health**  
**Percent of Live Births by Mothers Less Than 18 Years of Age by Zip Code\* and Service Planning Area (SPA)**  
**Los Angeles County, 2010**



\*Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2010= 133,160

Percent of live births by mothers less than 18 years of age in Los Angeles County, 2010 = 2.9

Zip code 90704 (Catalina Island) is not included. Percent of live births by mothers less than 18 years of age in 90704, 2010 = 0

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.