

Teen Fertility Rate

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INDICATOR: Fertility Rate Among Adolescent Females

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 2020 OBJECTIVES:

Objective FP-8.1: Reduce pregnancies among adolescent females age 15 to 17 to 36.2 pregnancies per 1,000 adolescents (Baseline: 40.2 pregnancies per 1,000 females age 15 to 17 in 2005). **Objective FP-8.2:** Reduce pregnancies among adolescent females age 18-19 to 104.6 pregnancies per 1,000 adolescents (Baseline: 116.2 pregnancies per 1,000 females age 18 to 19 in 2005.)

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 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
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	0.3	0.4	132	0.4	0.3	0.4
2010	433	0.3	0.3	0.4	112	0.3	0.3	0.4
2011	426	0.3	0.3	0.3	121	0.4	0.3	0.4
2012	360	0.3	0.3	0.3	100	0.3	0.3	0.4
2013	315	0.3	0.2	0.2	94	0.3	0.2	0.4
2014	228	0.2	0.2	0.2	63	0.2	0.2	0.3
2015	220	0.2	0.2	0.2	54	0.2	0.1	0.2
2016	195	0.2	0.1	0.2	55	0.2	0.1	0.2

Year	Denominator: Females < 15 (i.e. 10 - 14)	
	California	LA County
2007	1,393,013	406,685
2008	1,363,925	391,222
2009	1,335,841	376,143
2010	1,265,015	331,743
2011	1,249,246	322,090
2012	1,234,103	314,768
2013	1,226,735	309,244
2014	1,224,971	305,147
2015	1,225,806	301,877
2016	1,252,733	308,147

Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2010-2060", Sacramento, California, January 2014
 California Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013. Prepared by: California Department of Public Health, Safe and Active Communities Branch, August, 2018 (for overall state and county 15-44 age category population estimates)
 2010 Census Summary File 1 - California: Single Years of Age and Sex: 2016, Prepared by the Census Bureau, 2017
 2010 Census Summary File 1 - Los Angeles County: Single Years of Age and Sex: 2016, Prepared by the Census Bureau, 2017
 California Department of Public Health, Birth Statistical Master Files, 2007-2016
 National Vital Statistics Reports, Vol. 67, No. 1, January 31, 2018

INDICATOR:

Fertility Rate Among Girls (continued)

Births to 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
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	16.8	17.9
2011	11,839	14.8	14.5	15.0	3,310	15.6	15.1	16.2
2012	10,359	13.1	12.9	13.4	2,833	13.7	13.2	14.2
2013	8,525	11.0	10.8	11.2	2,271	11.3	10.8	11.8
2014	7,325	9.6	9.3	9.8	1,924	9.8	9.4	10.2
2015	6,448	8.5	8.2	8.7	1,670	8.7	8.2	9.1
2016	5,617	7.4	7.2	7.6	1,466	7.7	7.3	8.1

Denominator: Female 15-17		
Year	California	LA County
2007	882,026	252,423
2008	888,169	258,257
2009	883,101	257,677
2010	809,880	216,776
2011	801,527	211,853
2012	788,279	206,709
2013	775,563	200,991
2014	766,985	196,156
2015	763,037	193,040
2016	754,970	190,374

Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2010-2060", Sacramento, California, January 2014
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 2010 Census Summary File 1 - Los Angeles County: Single Years of Age and Sex: 2016, Prepared by the Census Bureau, 2017
 California Department of Public Health, Birth Statistical Master Files, 2007-2016
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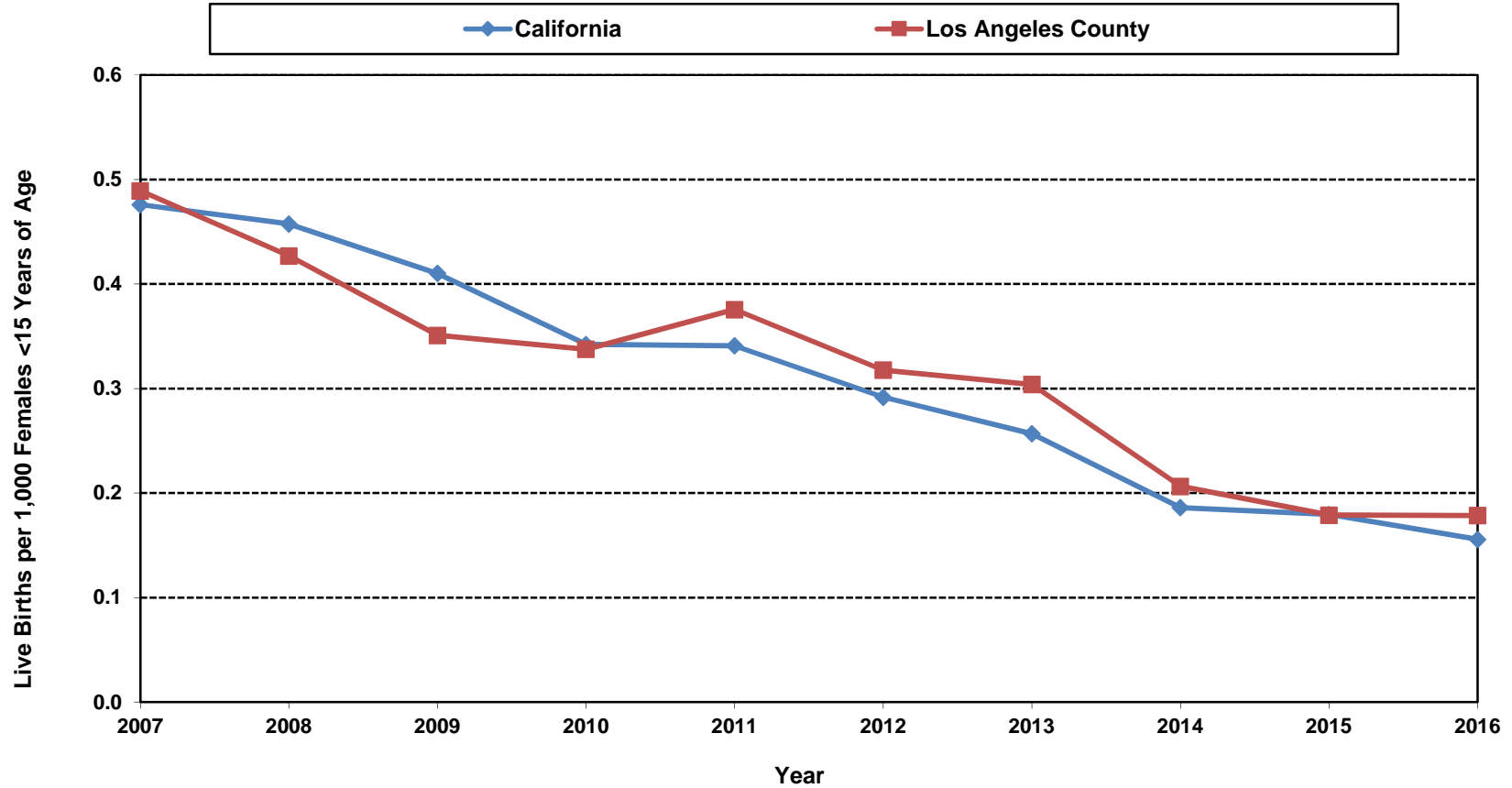
Births to Females 18 to 19 Years of Age

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
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
2011	26,489	46.7	46.2	47.3	7,049	47.6	46.5	48.6
2012	24,562	43.1	42.5	43.6	6,320	43.5	42.5	44.6
2013	21,974	38.7	38.2	39.2	5,782	40.4	39.4	41.4
2014	19,700	35.2	34.7	35.6	5,026	35.8	34.8	36.8
2015	17,727	32.1	31.6	32.5	4,404	32.2	31.3	33.1
2016	15,795	31.2	30.7	31.6	3,826	29.1	28.2	30.0

Denominator: Female 18-19		
Year	California	LA County
2007	556,714	146,883
2008	582,102	156,518
2009	605,106	167,250
2010	558,978	151,843
2011	567,205	148,207
2012	570,250	145,219
2013	567,687	143,069
2014	560,283	140,382
2015	552,894	136,729
2016	506,914	131,524

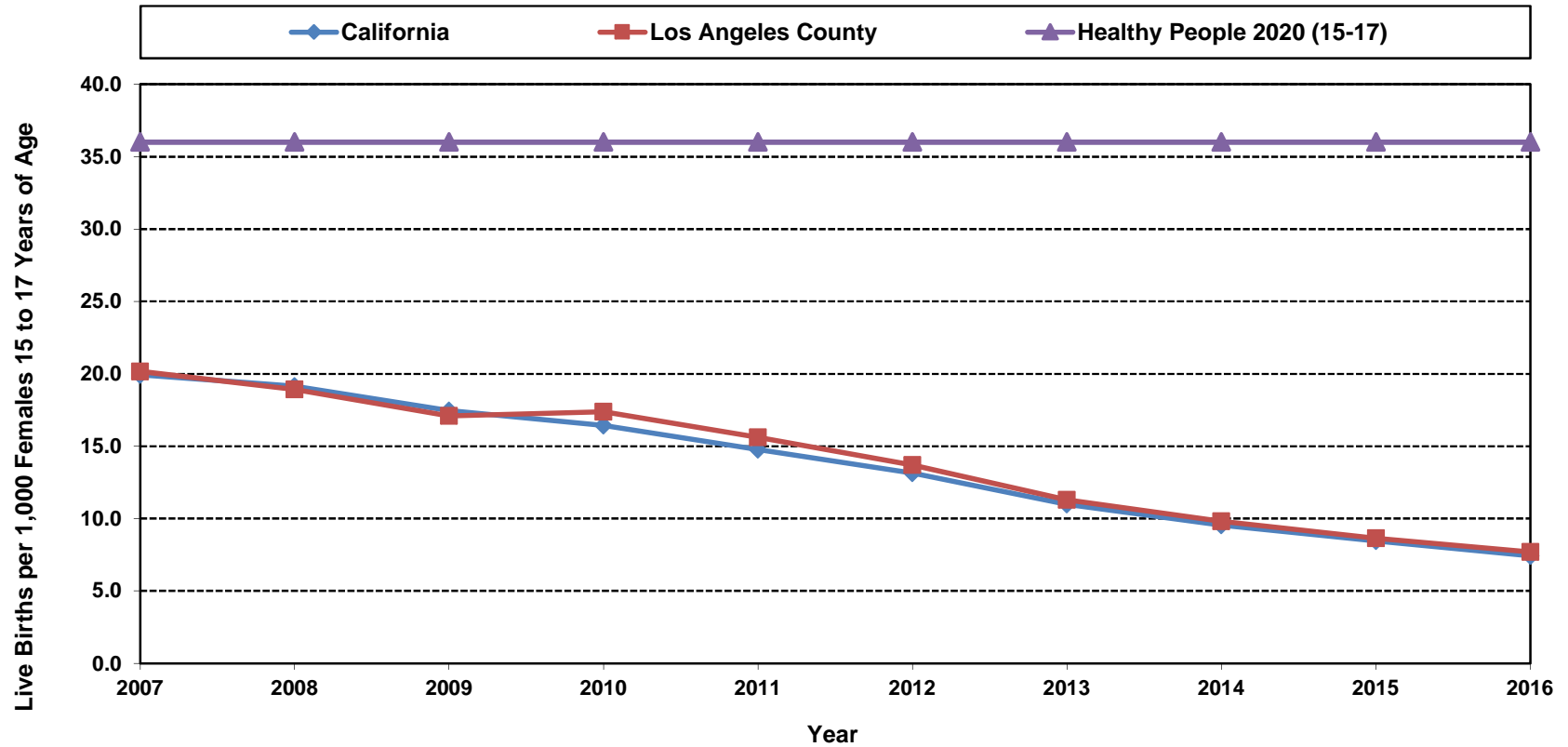
Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2010-2060", Sacramento, California, January 2014
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 California Department of Public Health, Birth Statistical Master Files, 2007-2016
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**Live Births to Females Less Than 15 Years of Age
California vs. Los Angeles County, 2007-2016**



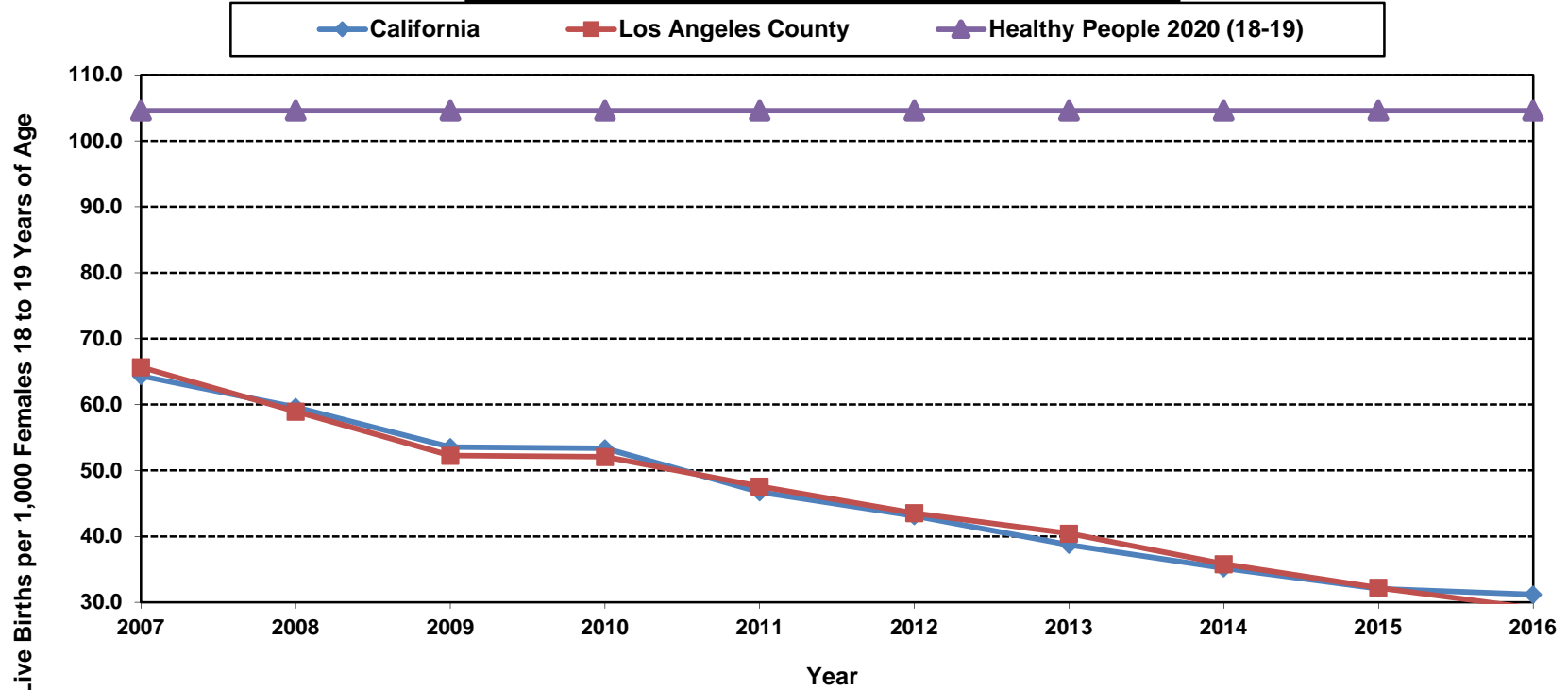
Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007
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**Live Births to Females 15 to 17 Years of Age
California vs. Los Angeles County, 2007-2016**



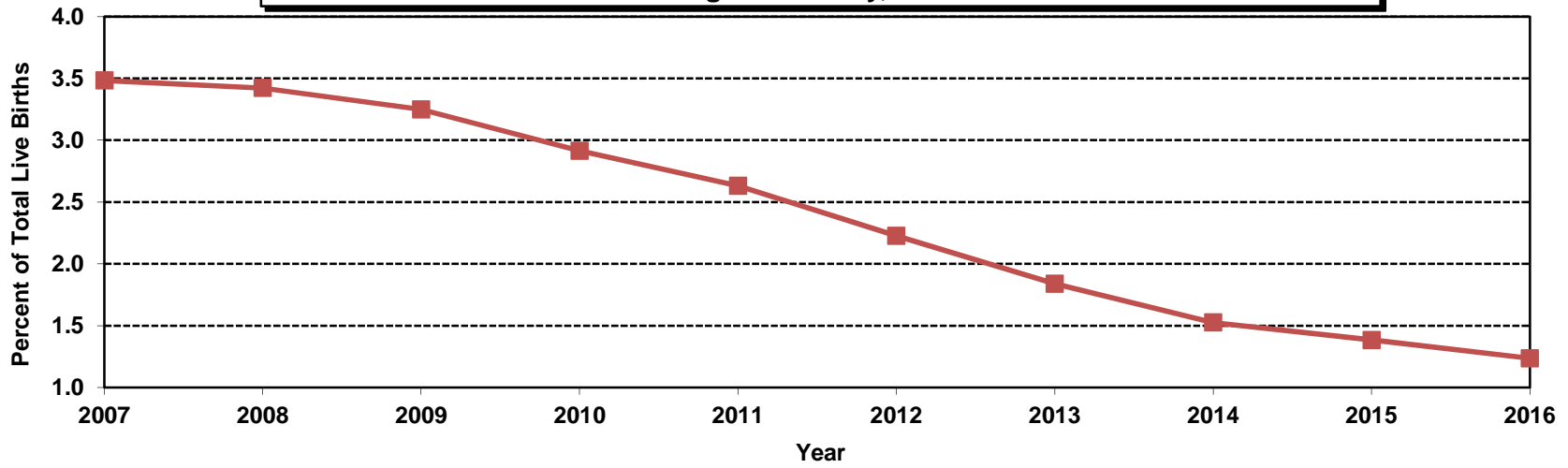
Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2010-2060", Sacramento, California, January 2014
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**Live Births per 1,000 Females 18 to 19 Years of Age
California vs. Los Angeles County, 2007-2016**



Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050", Sacramento, California, July 2007
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2010-2060", Sacramento, California, January 2014
 California Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013. Prepared by: California Department of Public Health, Safe and Active Communities Branch, August, 2018
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**Percent of Live Births to Females Less Than 18 Years of Age Among all Live Births
Los Angeles County, 2007-2016**

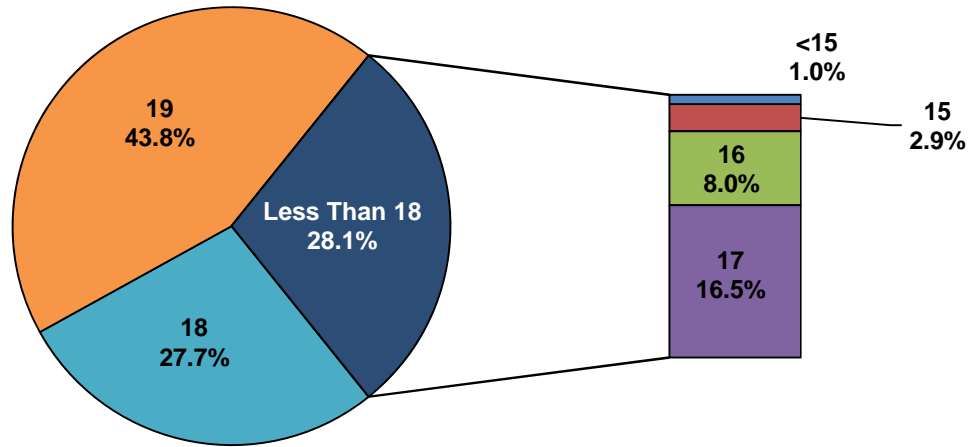


Los Angeles County, 2007-2016		
Year	Live Births to Females < 18 Years of Age	
	Number	Percent
2007	5,289	3.5
2008	5,055	3.4
2009	4,539	3.2
2010	3,882	2.9
2011	3,431	2.6
2012	2,933	2.2
2013	2,365	1.8
2014	1,987	1.5
2015	1,724	1.4
2016	1,521	1.2

Denominator: Total Live Births
151,813
147,684
139,679
133,160
130,313
131,697
128,526
130,150
124,507
122,941

Source: California Department of Public Health, Birth Statistical Master Files, 2016

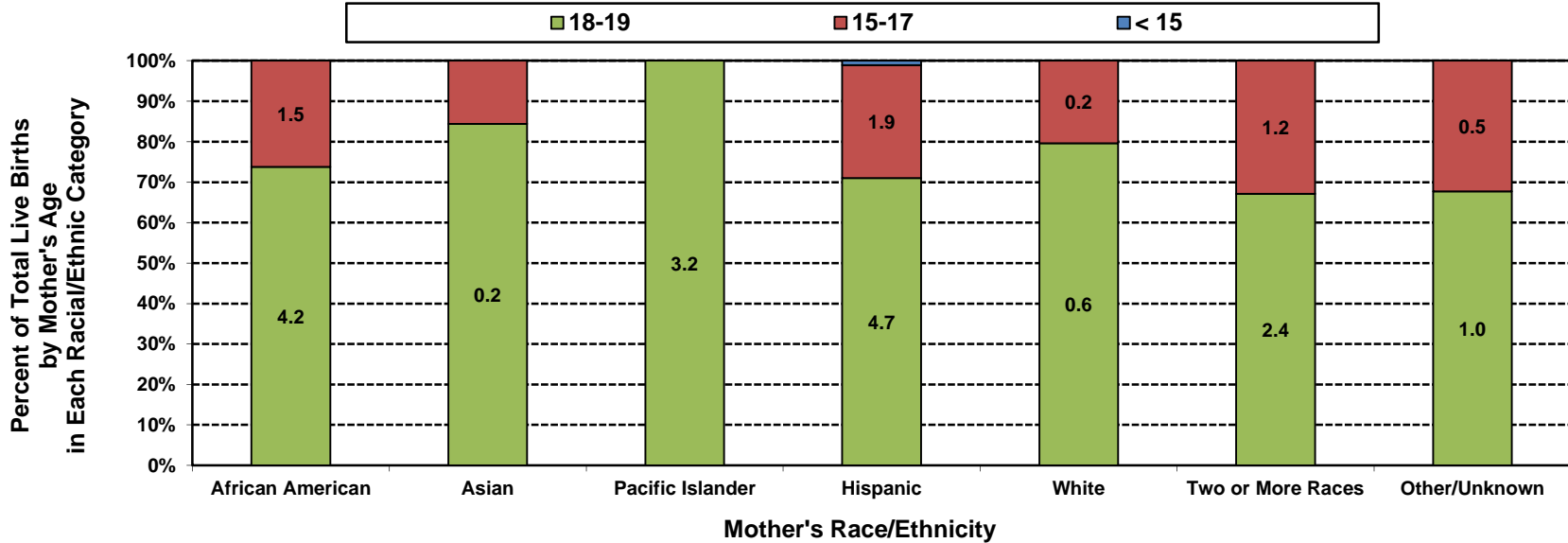
**Distribution of Live Births Among Females Under Age 20
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Age	Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
<15	55	1.0	0.8	1.3
15	157	2.9	2.5	3.4
16	428	8.0	7.3	8.7
17	881	16.5	15.5	17.5
18	1,483	27.7	26.5	28.9
19	2,343	43.8	42.5	45.1
Total	5,347	100.0	100.0	100.0

Source: California Department of Public Health, Birth Statistical Master Files, 2016

**Distribution of Live Births Among Mothers Under Age 20
by Mother's Race/Ethnicity
Los Angeles County, 2016**



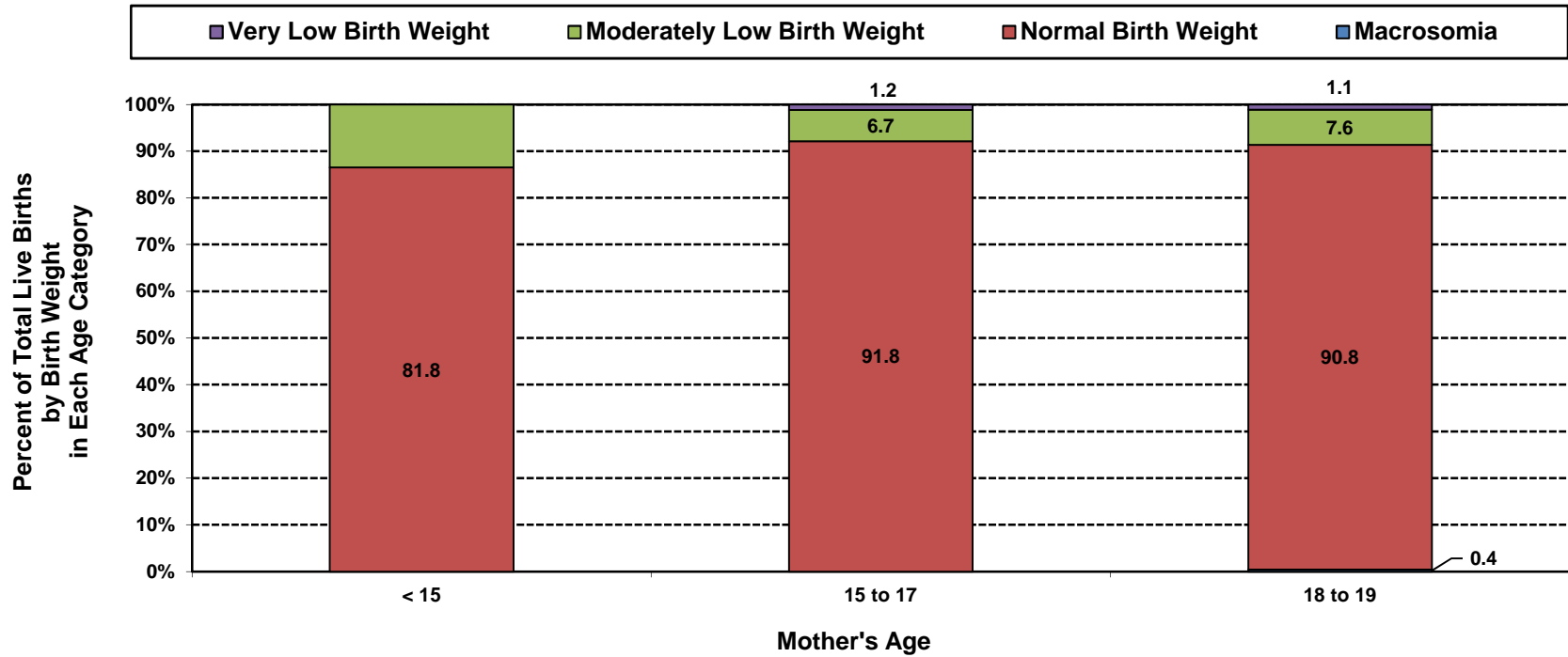
Mother's Race/Ethnicity	Los Angeles County, 2016					
	Mother's Age					
	< 15		15-17		18-19	
	Number	Percent	Number	Percent	Number	Percent
African American	<5	N/C	127	1.5	358	4.2
Asian	<5	N/C	7	0.0	38	0.2
Pacific Islander	<5	N/C	<5	N/C	9	3.2
Hispanic	48	0.1	1,258	1.9	3,206	4.7
Native American	<5	N/C	<5	N/C	<5	N/C
White	<5	N/C	36	0.2	141	0.6
Two or More Races	<5	N/C	24	1.2	49	2.4
Other/Unknown	<5	N/C	10	0.5	21	1.0
Total	55	0.04	1,466	1.2	3,826	3.1

Total Live Births to Mothers Less Than Age 20
8,425
19,608
280
140
22,808
2,005
2,009
122,941

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, Birth Statistical Master Files, 2016

**Distribution of Live Births Among Mothers Under Age 20
by Birth Weight, Los Angeles County, 2016**

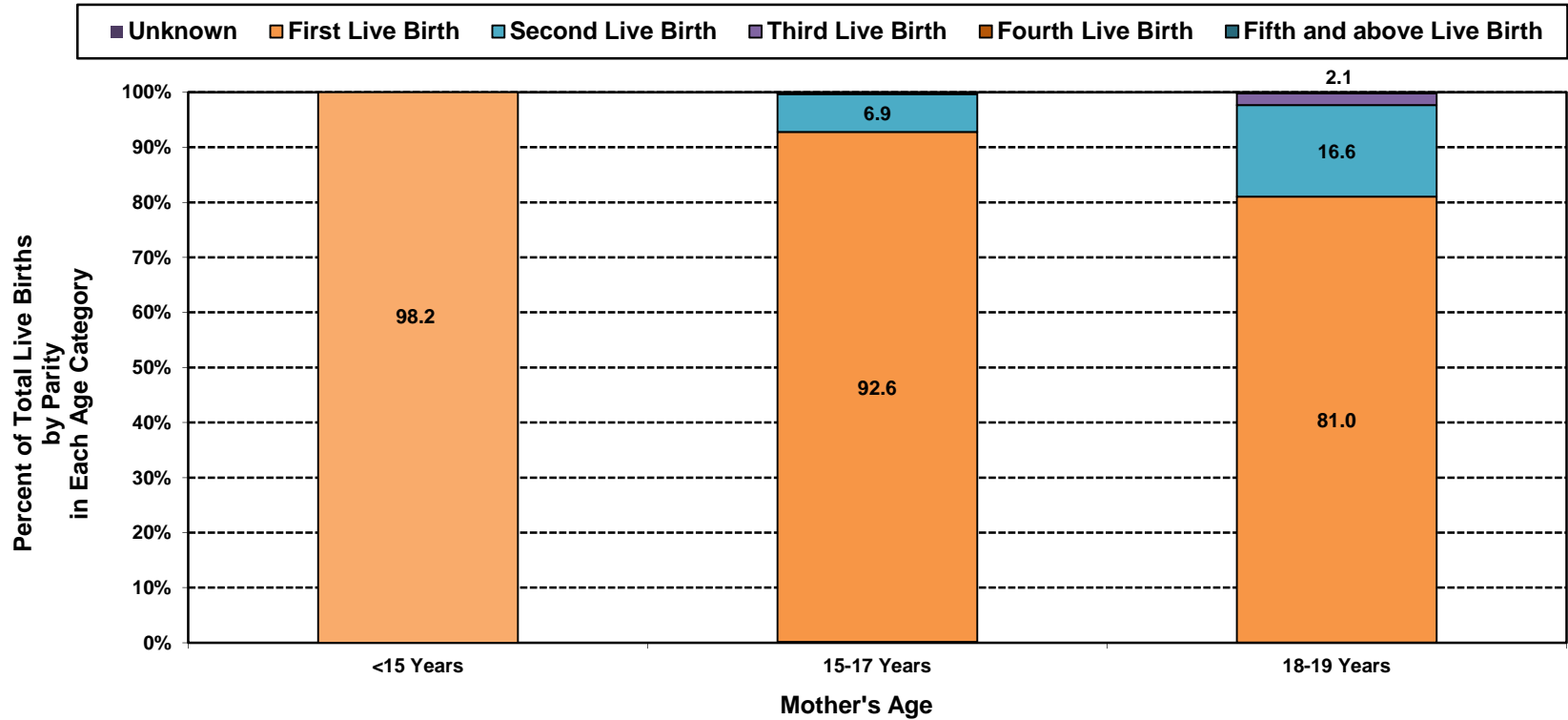


Los Angeles County, 2016								
Mother's Age	Very Low Birth Weight		Moderately Low Birth Weight		Normal Birth Weight		Macrosomia	
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 15	<5	N/C	7	12.7	45	81.8	<5	N/C
15 to 17	17	1.2	98	6.7	1,346	91.8	<5	N/C
18 to 19	42	1.1	289	7.6	3,474	90.8	16	0.4
Total	60	1.1	394	7.4	4,865	91.0	21	0.4

Total Live Births to Mothers Less Than Age 20
55
1,466
3,826
5,347

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, Birth Statistical Master Files, 2016

Distribution of Live Births Among Mothers Less Than 20 Years of Age by Parity, Los Angeles County, 2016



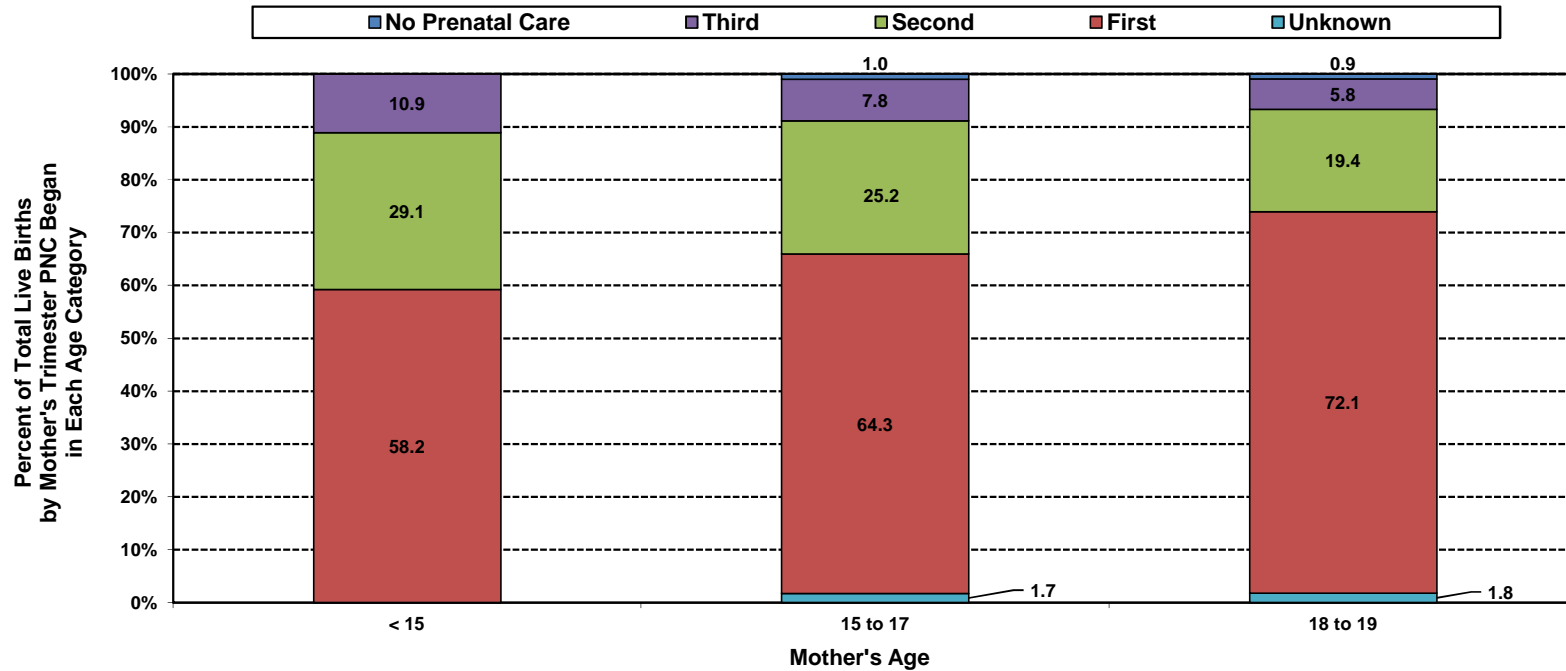
Los Angeles County, 2016													Total Live Births to Mothers Less Than Age 20
Mother's Age	Parity												
	First Live Birth		Second Live Birth		Third Live Birth		Fourth Live Birth		Fifth+ Live Birth		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	54	98.2	<5	N/C	<5	N/C	<5	N/C	<5	N/C	<5	N/C	55
15 to 17	1,358	92.6	101	6.9	5	0.3	<5	N/C	<5	N/C	<5	N/C	1,466
18 to 19	3,100	81.0	636	16.6	81	2.1	8	0.2	<5	N/C	<5	N/C	3,826
Total	4,512	84.4	738	13.8	86	1.6	8	0.1	<5	N/C	<5	N/C	5,347

Notes: "Parity" is defined as the 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, Birth Statistical Master Files, 2016

**Distribution of Live Births Among Mothers Less Than 20 Years of Age
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2016**

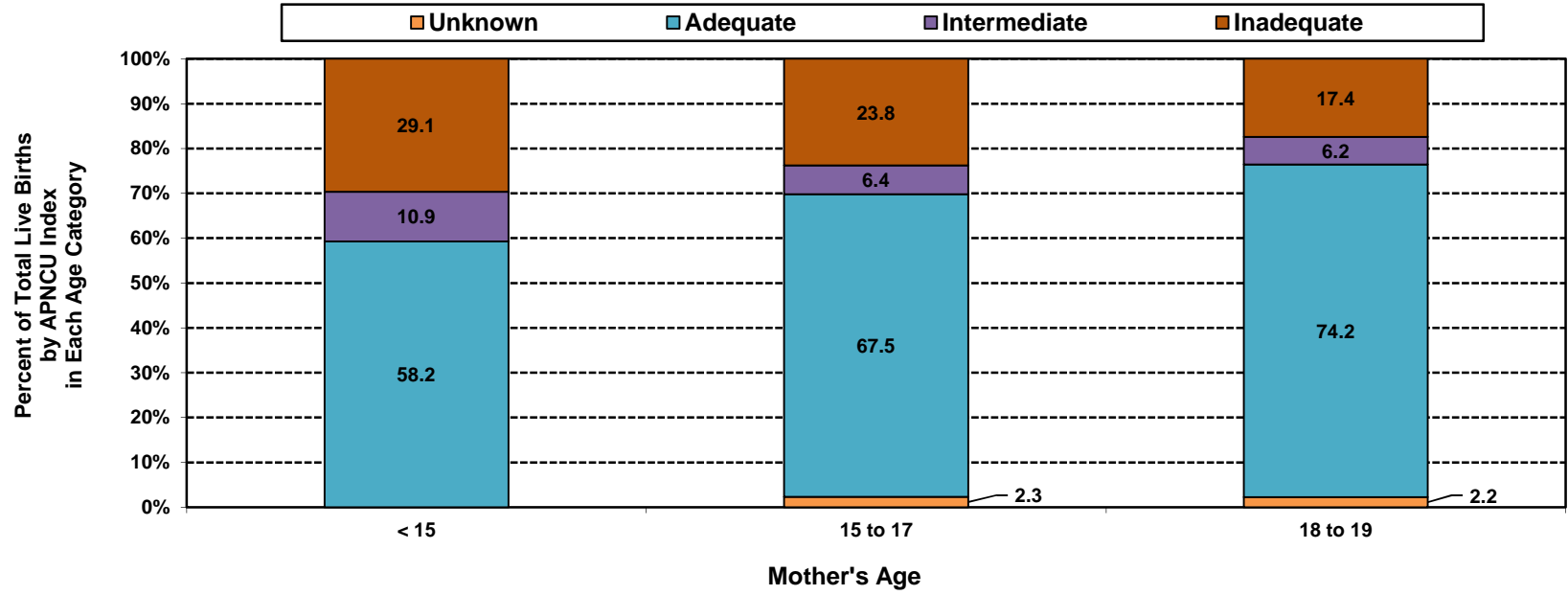


Los Angeles County, 2016										
Mother's Age	No Prenatal Care		Mother's Trimester Prenatal Care Began						Unknown	
	Number	Percent	First		Second		Third		Number	Percent
			Number	Percent	Number	Percent	Number	Percent		
< 15	<5	N/C	32	58.2	16	29.1	6	10.9	<5	N/C
15 to 17	15	1.0	942	64.3	369	25.2	115	7.8	25	1.7
18 to 19	35	0.9	2,760	72.1	741	19.4	221	5.8	69	1.8
Total	50	0.9	3,734	69.8	1,126	21.1	342	6.4	95	1.8

Total Live Births to Mothers Less Than Age 20
55
1,466
3,826
5,347

Note: Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.
Sources: California Department of Public Health, Birth Statistical Master Files, 2016

**Distribution of Live Births Among Mothers Less Than 20 Years of Age
by Adequacy of Prenatal Care Utilization Index (APNCU) and by Mother's Age
Los Angeles County, 2016**



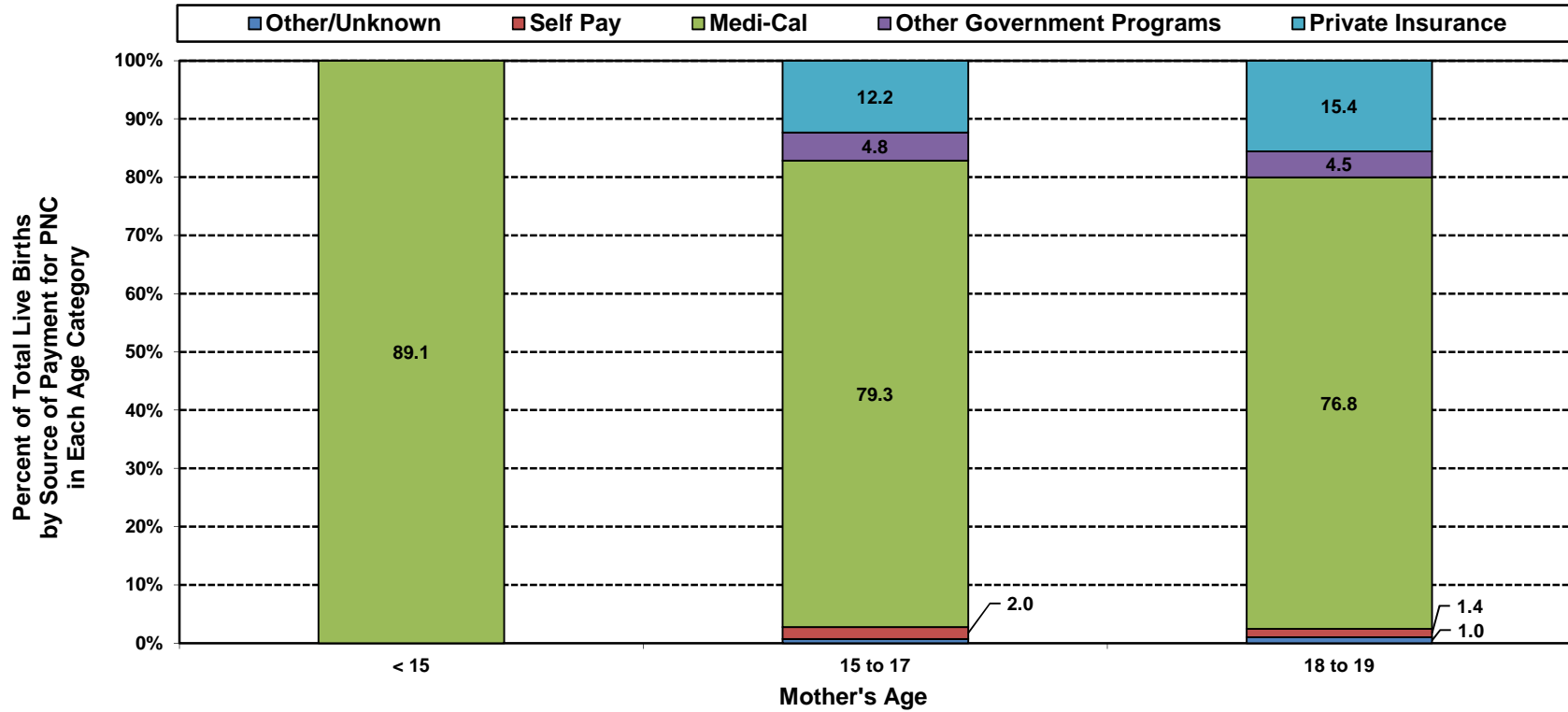
Los Angeles County, 2016									Total Live Births to Mothers Less Than Age 20
Mother's Age	Adequacy of Prenatal Care Utilization Index								
	Adequate		Intermediate		Inadequate		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	32	58.2	6	10.9	16	29.1	<5	N/C	55
15 to 17	989	67.5	94	6.4	349	23.8	34	2.3	1,466
18 to 19	2,837	74.2	236	6.2	667	17.4	86	2.2	3,826
Total	3,858	72.2	336	6.3	1,032	19.3	121	2.3	5,347

Notes: 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).

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Sources: California Department of Public Health, Birth Statistical Master Files, 2016

**Distribution of Live Births Among Mothers Less Than 20 Years of Age
by Source of Payment for Prenatal Care and by Mother's Age
Los Angeles County, 2016**



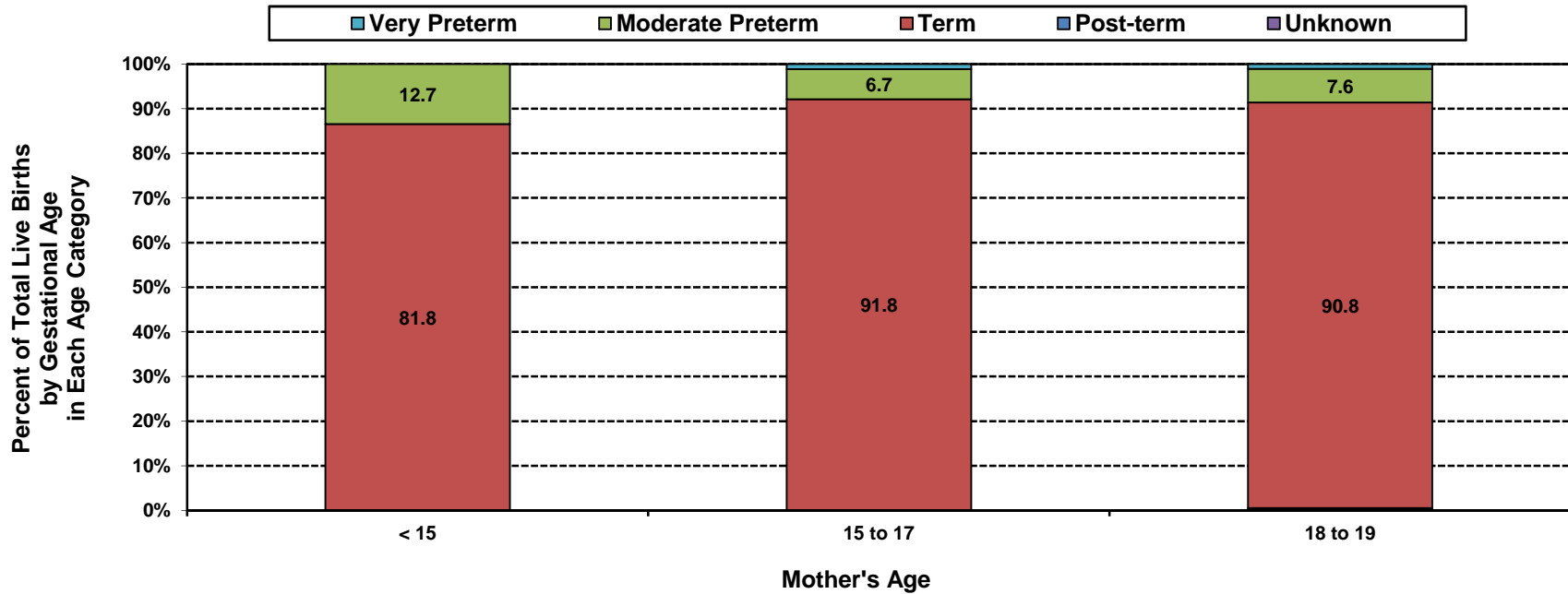
Los Angeles County, 2016										
Mother's Age	Source of Payment for Prenatal Care									
	Private Insurance		Other Government Programs		Medi-Cal		Self Pay		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 15	<5	N/C	<5	N/C	49	89.1	<5	N/C	<5	N/C
15 to 17	179	12.2	70	4.8	1,162	79.3	30	2.0	10	0.7
18 to 19	590	15.4	171	4.5	2,937	76.8	55	1.4	38	1.0
Total	769	14.4	244	4.6	4,148	77.6	88	1.6	48	0.8

Total Live Births to Mothers Less Than Age 20
55
1,466
3,826
5,347

Notes: "Total Live Births to Mothers Less Than Age 20" excludes births in which no prenatal care was received (n=50)
Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Sources: California Department of Public Health, Birth Statistical Master Files, 2016

**Distribution of Live Births Among Mothers Less Than 20 Years of Age
by Gestational Age and by Mother's Age
Los Angeles County, 2016**



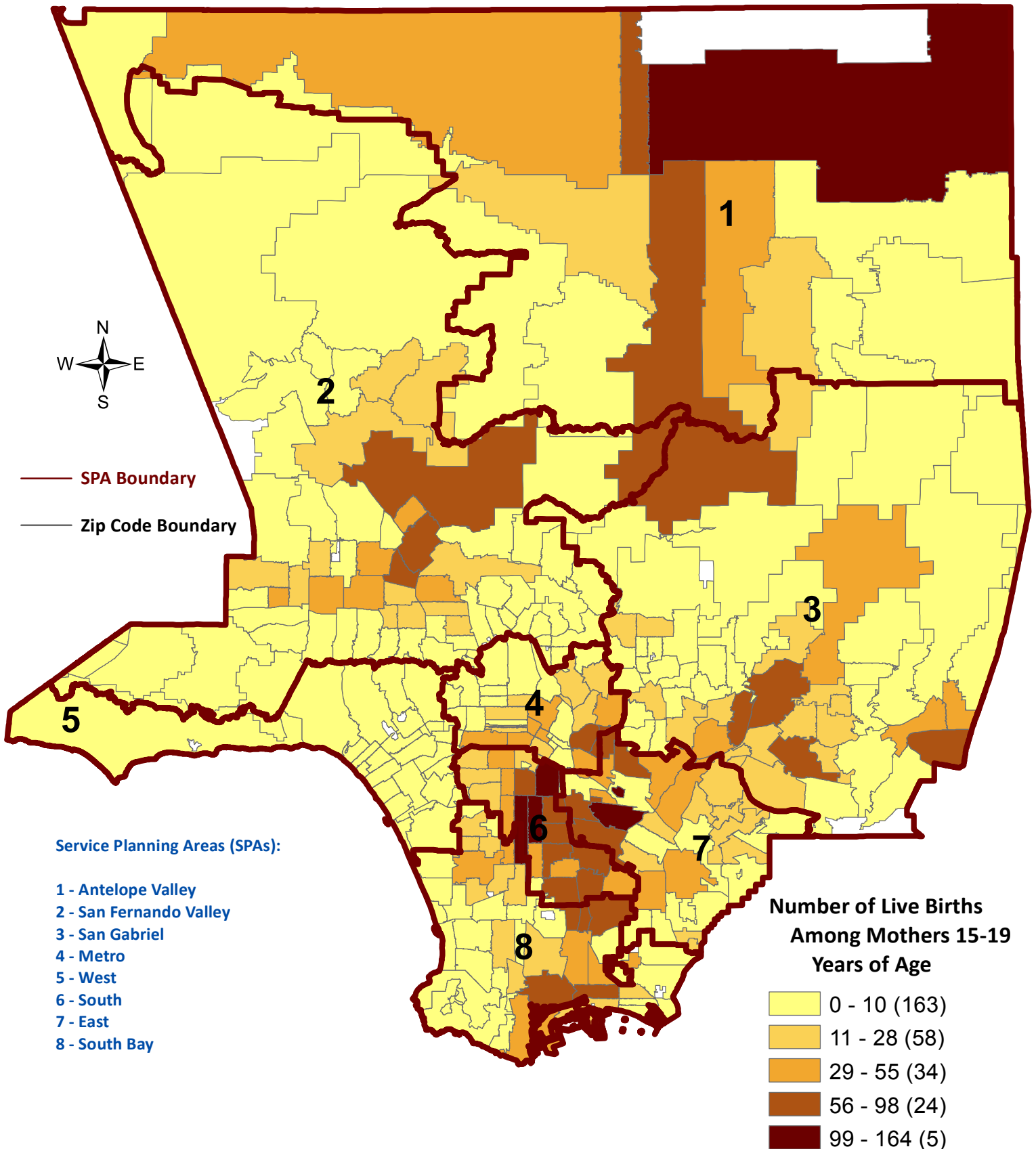
Los Angeles County, 2016											Total Live Births to Mothers Less Than Age 20
Mother's Age	Very Preterm		Moderate Preterm		Term		Post-term		Gestational Age Unknown		
	< 32 weeks		32-36 weeks		37-41 weeks		42+ weeks				
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	<5	N/C	7	12.7	45	81.8	<5	N/C	<5	N/C	55
15 to 17	17	1.2	98	6.7	1,346	91.8	<5	N/C	<5	N/C	1,466
18 to 19	42	1.1	289	7.6	3,474	90.8	16	0.4	5	0.1	3,826
Total	60	1.1	394	7.4	4,865	91.0	21	0.4	7	0.1	5,347

Notes: Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

"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.

Sources: California Department of Public Health, Birth Statistical Master Files, 2016

Los Angeles County - Department of Public Health
Number of Live Births Among Mothers 15-19 Years of Age by Zip Code* and Service Planning Area (SPA)
Los Angeles County, 2016



*Los Angeles County zip code boundaries as of 2010

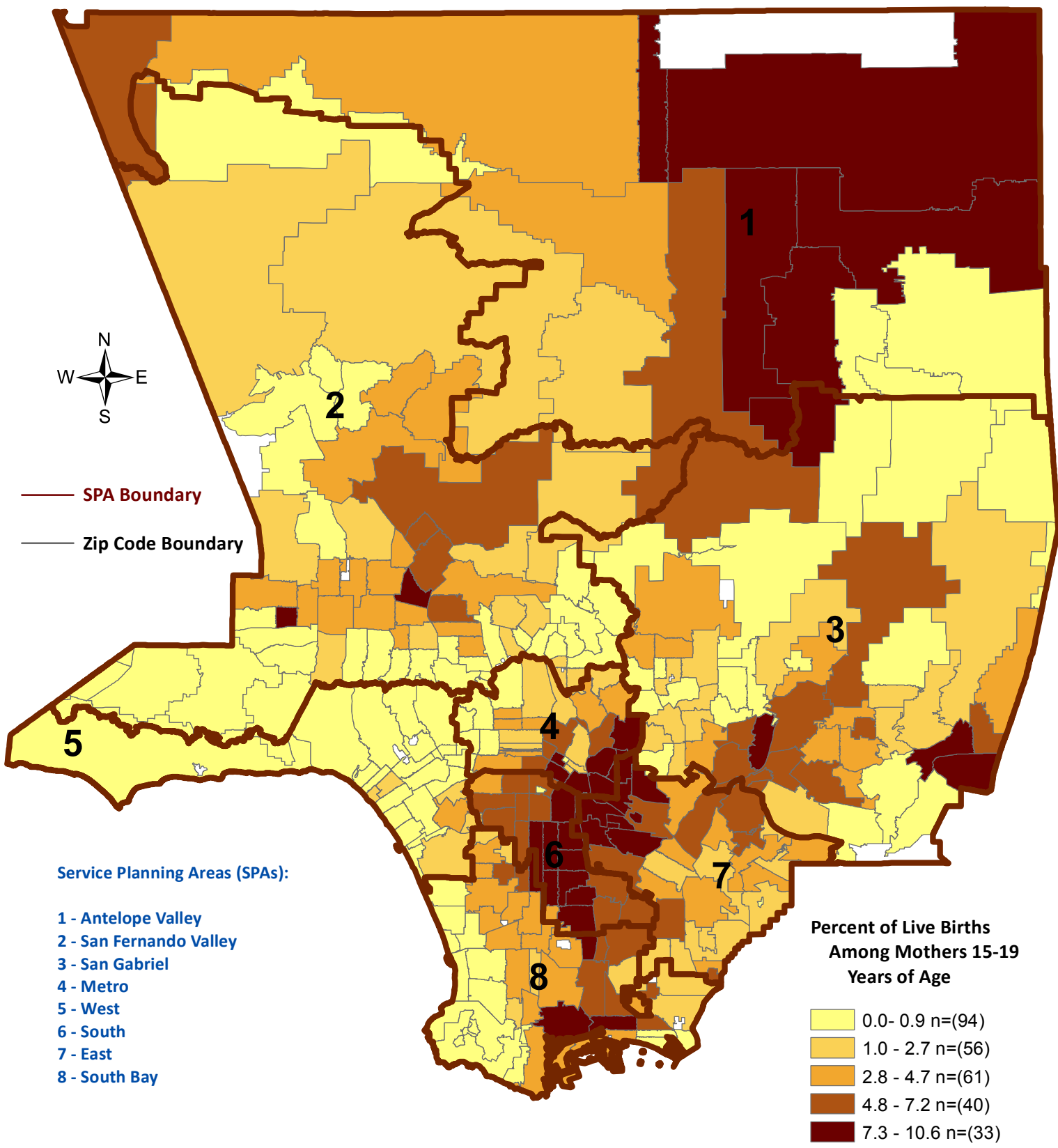
Total number of live births in Los Angeles County, 2016= 122,941

Total number of live births among mothers 15-19 years of age in Los Angeles County, 2016 = 5,292

Zip code 90704 (Catalina Island) is not included. Total number of live births among mothers 15-19 years of age in 90704, 2016 = < 5

Source: California Department of Public Health, Birth Statistical Master File, 2016

Los Angeles County - Department of Public Health
Percent of Live Births Among Mothers 15-19 Years of Age by Zip Code* and Service Planning Area (SPA)
Los Angeles County, 2016



*Los Angeles County zip code boundaries as of 2010

Total number of live births in Los Angeles County, 2016= 122,941

Total number of live births among mothers 15-19 years of age in Los Angeles County, 2016 = 5,292

Percent of total live births among mothers 15-19 years of age in Los Angeles County, 2016 = 1.8

Zip code 90704 (Catalina Island) is not included. Total number of live births among mothers 15-19 years of age in 90704, 2016 = < 5

Source: California Department of Public Health, Birth Statistical Master File, 2016

n = total number of zip codes within range