

# **Teen Fertility Rate**

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**INDICATOR:** Live Birth Rate For 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 Under Age 15**

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
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
2017	152	0.1	0.1	0.1	44	0.1	0.1	0.2

Year	Denominator: Females Under Age 15 (i.e. 10 - 14)	
	California	LA County
	2008	1,363,925
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
2017	1,246,127	300,207

Sources: California Department of Finance, Reports P-1 and P-2: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, in 1-Year Increments, 2010-2060; Prepared by the Demographic Research Unit, California Department of Finance, January 2020. [www.dof.ca.gov](http://www.dof.ca.gov) (for CA and LAC population estimates)  
 2010 Census Summary File 1 - Los Angeles County and California: Single Years of Age and Sex: Prepared by the Census Bureau (for county <15 and 15 to 19 age category and gender population estimates); <https://www.census.gov/data/tables.html> (for CA and LAC <15 and 15 to 19 age categories and gender population estimates)  
 National Vital Statistics Reports, Vol. 67, No. 1, January 31, 2018 (for CA birth data by age and age categories)  
 California Department of Public Health, Birth Statistical Master Files, 2008-2017

**INDICATOR: Live Birth Rate For Adolescent Females (continued)**

**Births to Females Age 15 to 17 Years**

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
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
2017	4,782	6.3	6.1	6.5	1,222	6.4	6.1	6.8

Denominator: Females Age 15-17 Years		
Year	California	LA County
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
2017	757,359	190,593

Sources: California Department of Finance, Reports P-1 and P-2: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, in 1-Year Increments, 2010-2060; Prepared by the Demographic Research Unit, California Department of Finance, January 2020. [www.dof.ca.gov](http://www.dof.ca.gov) (for CA and LAC population estimates)

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National Vital Statistics Reports, Vol. 67, No. 1, January 31, 2018 (for CA birth data by age and age categories)

California Department of Public Health, Birth Statistical Master Files, 2008-2017

**INDICATOR: Live Birth Rate For Adolescent Females (continued)**

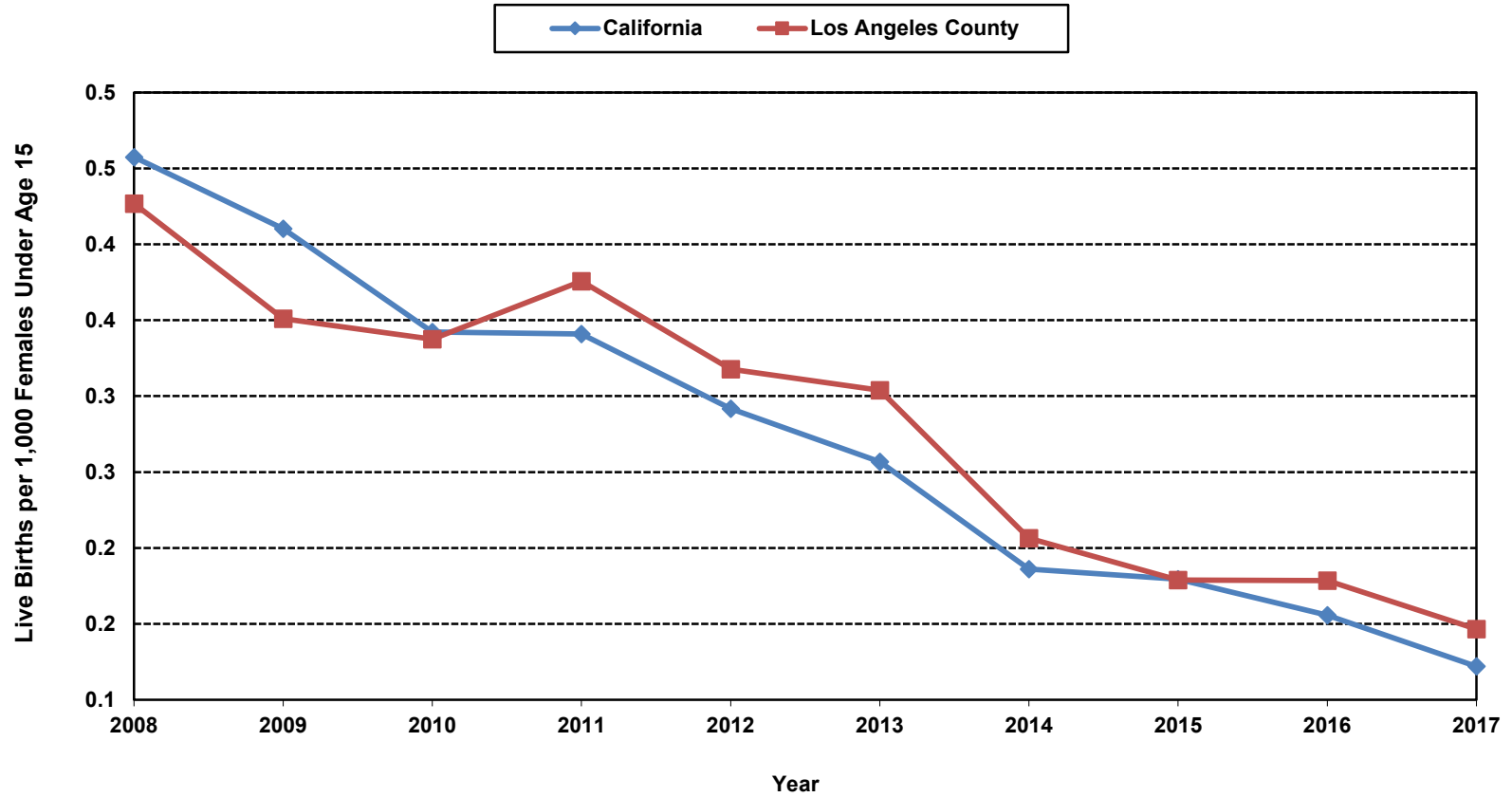
**Births to Females Age 18 to 19 Years**

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
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
2017	14,153	26.1	25.7	26.5	3,399	25.6	24.7	26.4

Denominator: Females Age 18-19 Years		
Year	California	LA County
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
2017	542,610	132,980

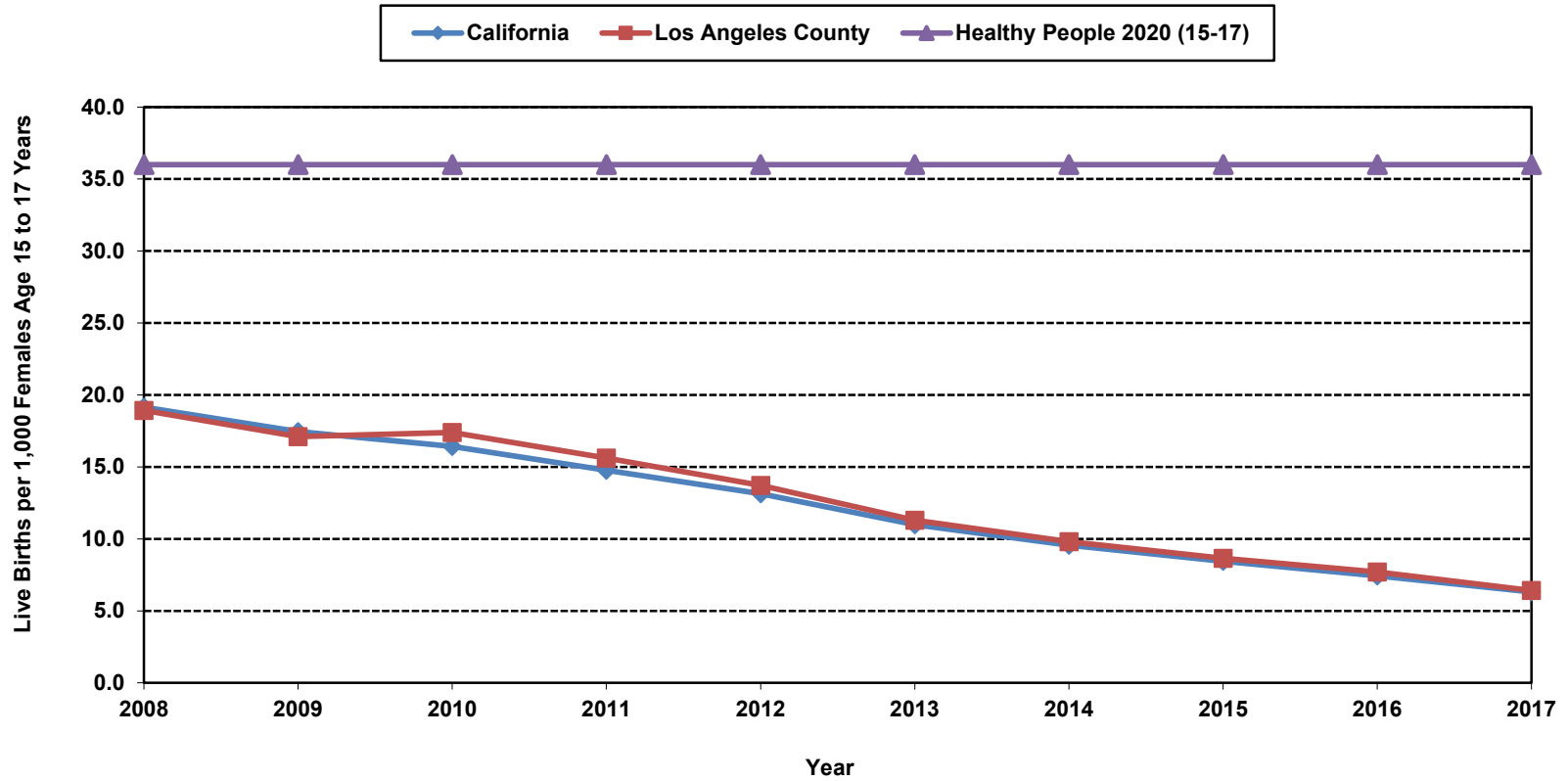
Sources: California Department of Finance, Reports P-1 and P-2: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, in 1-Year Increments, 2010-2060; Prepared by the Demographic Research Unit, California Department of Finance, January 2020. [www.dof.ca.gov](http://www.dof.ca.gov) (for CA and LAC population estimates)  
 National Vital Statistics Reports, Vol. 67, No. 1, January 31, 2018 (for CA birth data by age and age categories)  
 California Department of Public Health, Birth Statistical Master Files, 2008-2017

**Live Birth Rate For Females Under Age 15  
California vs. Los Angeles County, 2008-2017**



Sources: California Department of Finance, Reports P-1 and P-2: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, in 1-Year Increments, 2010-2060; Prepared by the Demographic Research Unit, California Department of Finance, January 2020. [www.dof.ca.gov](http://www.dof.ca.gov) (for CA and LAC population estimates)  
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### Live Birth Rate For Females Age 15 to 17 Years California vs. Los Angeles County, 2008-2017



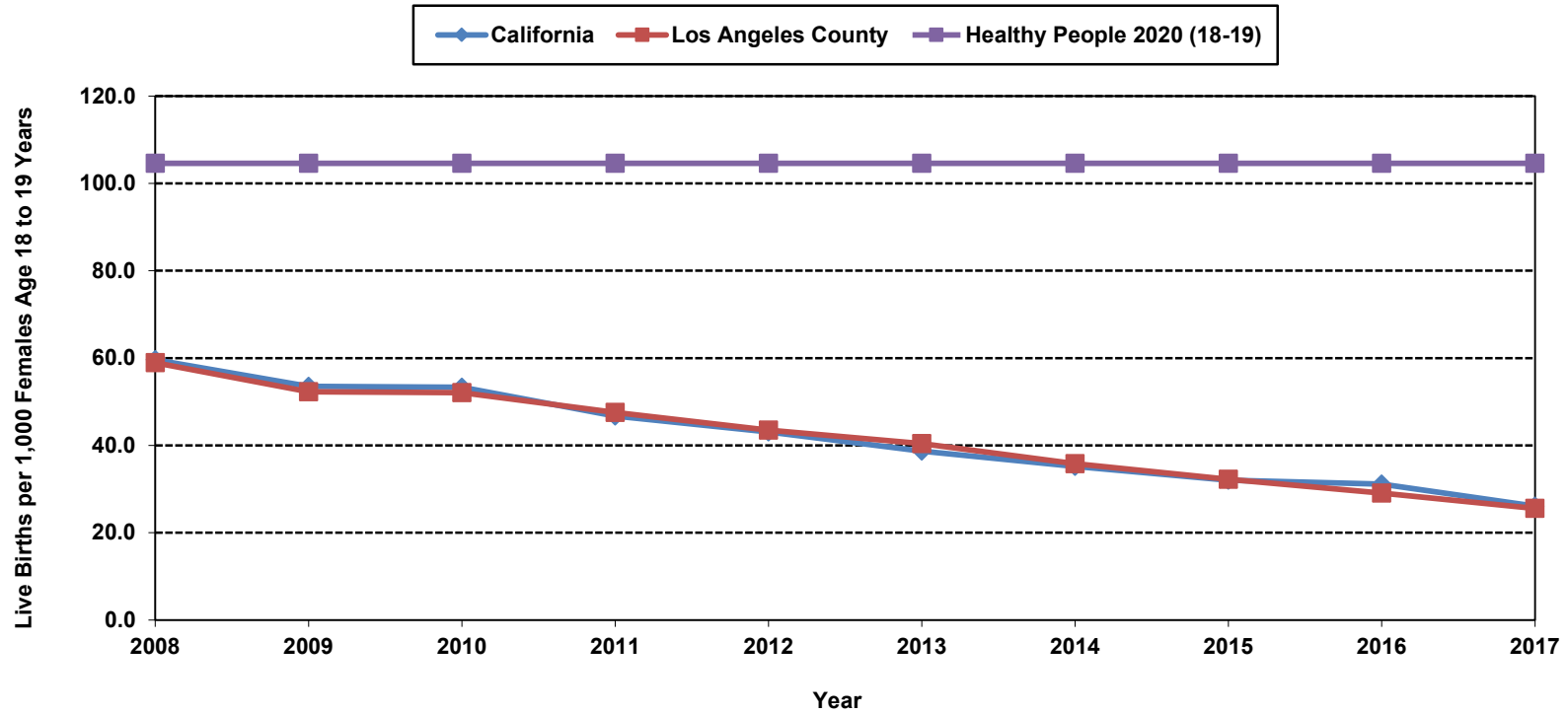
Sources: California Department of Finance, Reports P-1 and P-2: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, in 1-Year Increments, 2010-2060; Prepared by the Demographic Research Unit, California Department of Finance, January 2020. [www.dof.ca.gov](http://www.dof.ca.gov) (for CA and LAC population estimates)

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National Vital Statistics Reports, Vol. 67, No. 1, January 31, 2018 (for CA birth data by age and age categories)

California Department of Public Health, Birth Statistical Master Files, 2008-2017

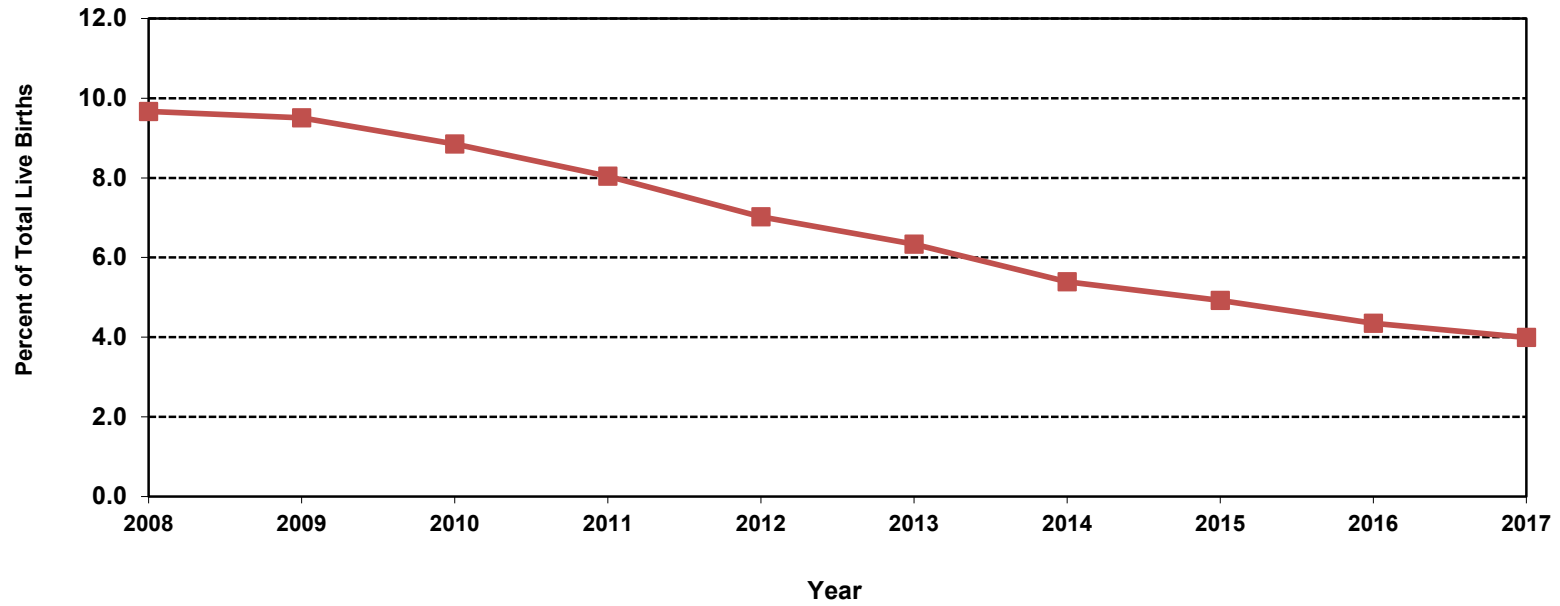
### Live Birth Rate For Females Age 18 to 19 Years California vs. Los Angeles County, 2008-2017



Sources: California Department of Finance, Reports P-1 and P-2: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, in 1-Year Increments, 2010-2060; Prepared by the Demographic Research Unit, California Department of Finance, January 2020. [www.dof.ca.gov](http://www.dof.ca.gov) (for CA and LAC population estimates)

California Department of Public Health, Birth Statistical Master Files, 2008-2017

**Percent of Live Births to Females Under Age 20 Among All Live Births  
Los Angeles County, 2008-2017**

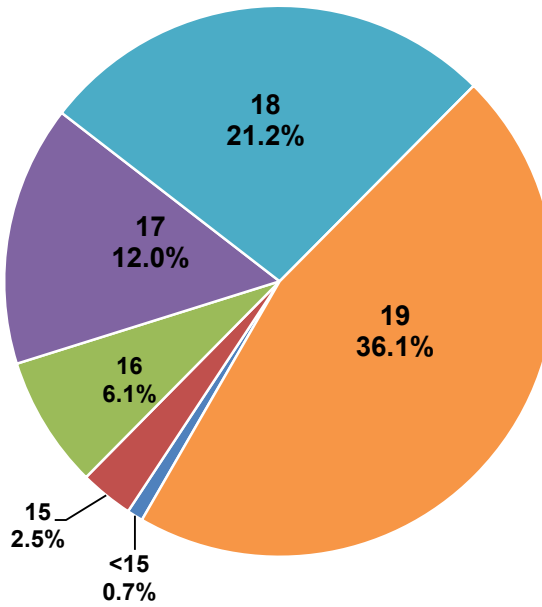


Los Angeles County, 2008-2017			Denominator: Total Live Births in Los Angeles County
Year	Live Births to Females Under Age 20		
	Number	Percent	
2008	14,278	9.7	147,684
2009	13,278	9.5	139,679
2010	11,789	8.9	133,160
2011	10,480	8.0	130,313
2012	9,253	7.0	131,697
2013	8,147	6.3	128,526
2014	7,013	5.4	130,150
2015	6,128	4.9	124,507
2016	5,347	4.3	122,941
2017	4,665	4.0	116,850

Source: California Department of Public Health, Birth Statistical Master Files, 2008-2017



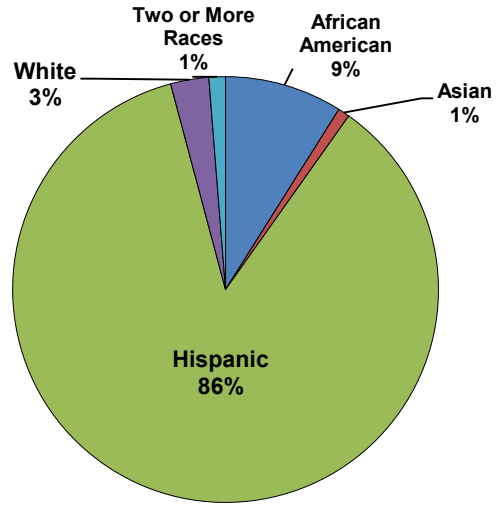
**Distribution of Live Births Among Females Under Age 20  
Los Angeles County, 2017**



Los Angeles County, 2017				
Mother's Age	Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
<15	44	0.9	0.7	1.2
15	146	3.1	2.6	3.6
16	362	7.8	7.0	8.5
17	714	15.3	14.3	16.3
18	1,258	27.0	25.7	28.2
19	2,141	45.9	44.5	47.3
<b>Total</b>	<b>4,665</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: California Department of Public Health, Birth Statistical Master Files, 2017

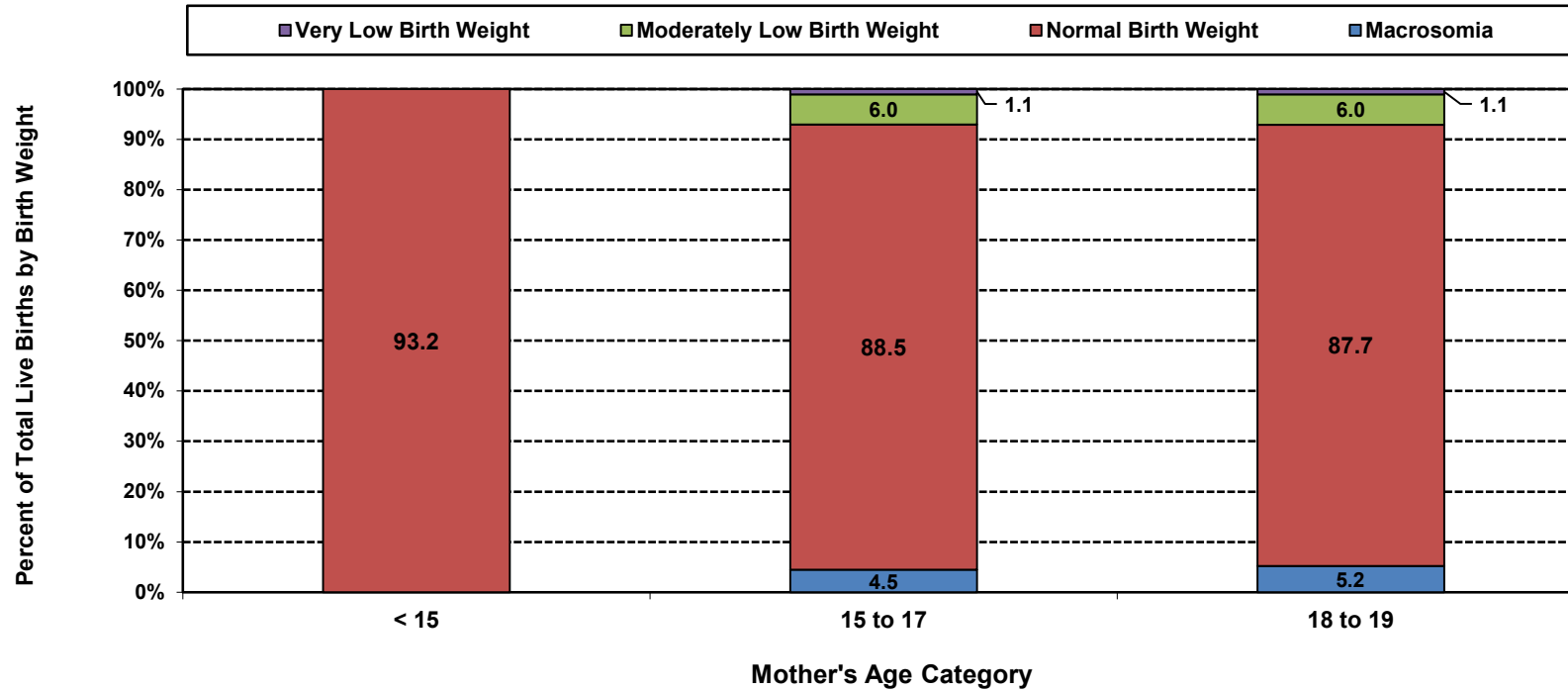
**Distribution of Live Births Among Mothers Under Age 20  
by Mother's Race/Ethnicity  
Los Angeles County, 2017**



Mother's Race/Ethnicity	Total Live Births to Mothers Under Age 20 by Race/Ethnicity	
	Number	Percent
African American	413	8.9
Asian	41	0.9
Pacific Islander	10	0.2
Hispanic	3,975	85.2
Native American	9	0.2
White	134	2.9
Two or More Races	58	1.2
Other/Unknown	25	0.5
<b>Total</b>	<b>4,665</b>	<b>100.0</b>

Source: California Department of Public Health, Birth Statistical Master Files, 2017

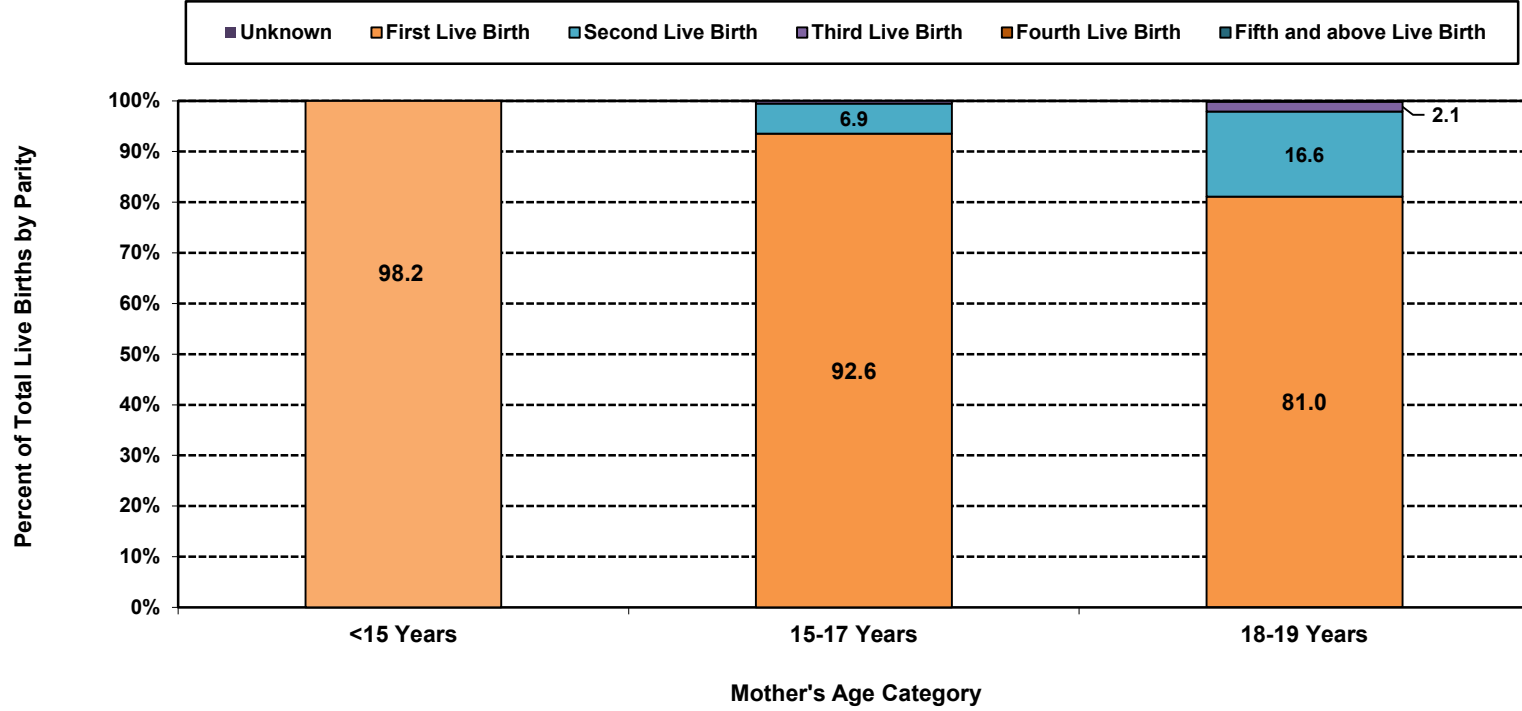
**Distribution of Live Births Among Mothers Under Age 20  
by Birthweight  
Los Angeles County, 2017**



#REF!									Total Live Births to Mothers Under Age 20
Mother's Age Category	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	<5	N/C	41	93.2	<5	N/C	44
15 to 17	13	1.1	73	6.0	1,081	88.5	55	4.5	1,222
18 to 19	36	1.1	205	6.0	2,980	87.7	178	5.2	3,399
<b>Total</b>	<b>49</b>	<b>1.1</b>	<b>280</b>	<b>6.0</b>	<b>4,102</b>	<b>87.9</b>	<b>234</b>	<b>5.0</b>	<b>4,665</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, Birth Statistical Master Files, 2017

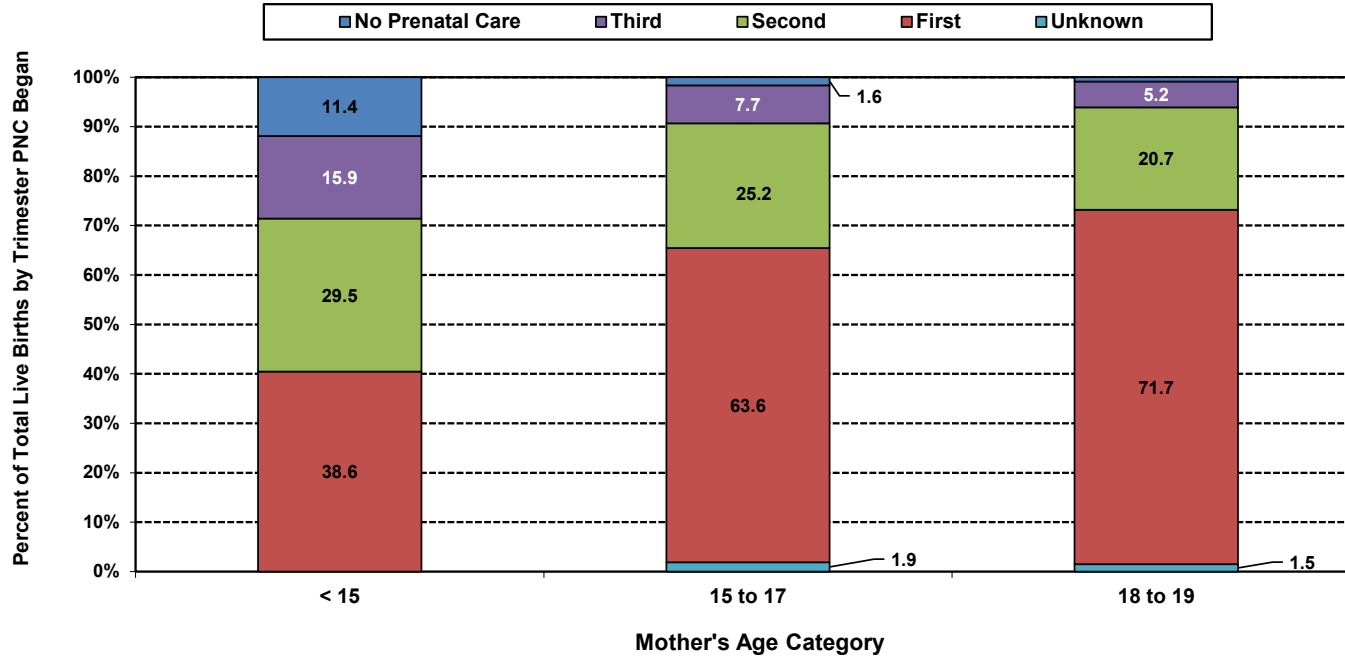
**Distribution of Live Births Among Mothers Under Age 20  
by Parity  
Los Angeles County, 2017**



#REF!													
Mother's Age Category	Parity												Total Live Births to Mothers Under Age 20
	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	43	97.7	<5	N/C	<5	N/C	<5	N/C	<5	N/C	<5	N/C	44
15 to 17	1,143	93.5	73	6.0	6	0.5	<5	N/C	<5	N/C	<5	N/C	1,222
18 to 19	2,754	81.0	571	16.8	67	2.0	5	0.1	<5	N/C	<5	N/C	3,399
<b>Total</b>	<b>3,940</b>	<b>84.5</b>	<b>645</b>	<b>13.8</b>	<b>73</b>	<b>1.6</b>	<b>5</b>	<b>0.1</b>	<b>&lt;5</b>	<b>N/C</b>	<b>&lt;5</b>	<b>N/C</b>	<b>4,665</b>

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, 2017

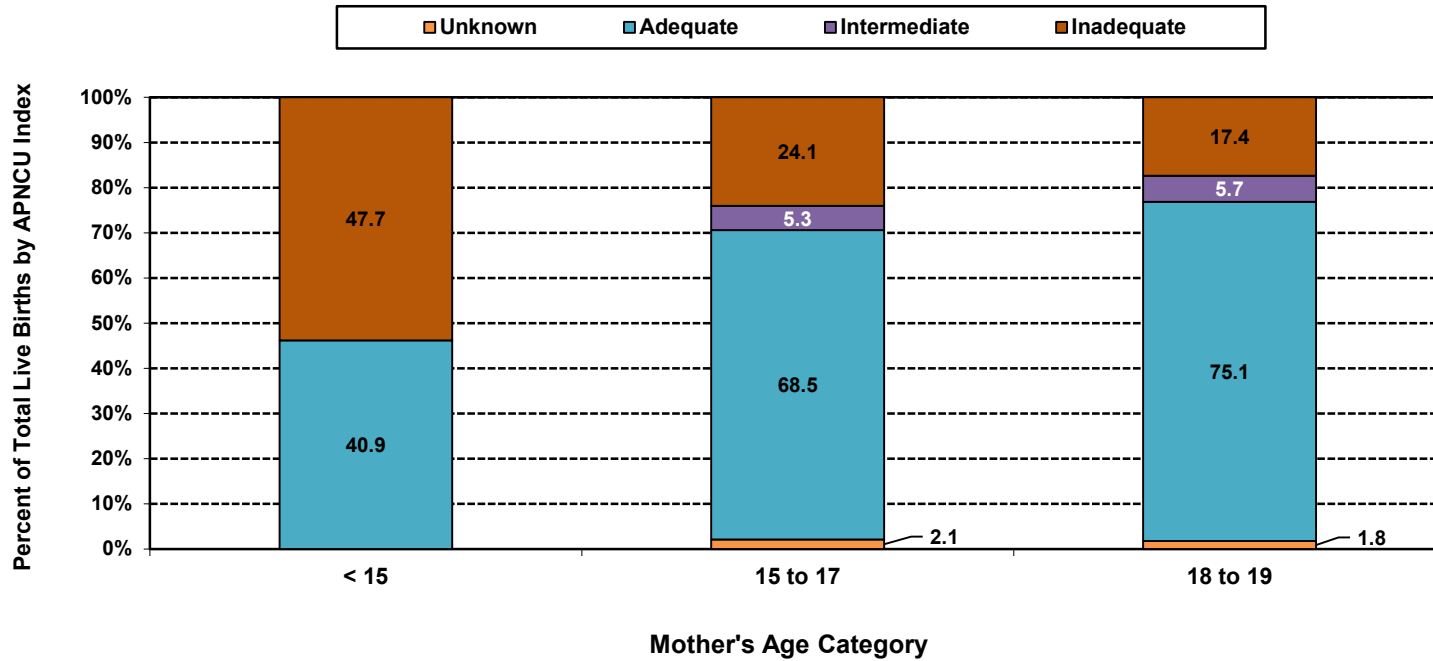
**Distribution of Live Births Among Mothers Under Age 20  
by Mother's Trimester Prenatal Care Began  
Los Angeles County, 2017**



#REF!											
Mother's Age Category	No Prenatal Care		Mother's Trimester Prenatal Care Began						Unknown		Total Live Births to Mothers Under Age 20
			First		Second		Third				
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	5	11.4	17	38.6	13	29.5	7	15.9	<5	N/C	44
15 to 17	20	1.6	777	63.6	308	25.2	94	7.7	23	1.9	1,222
18 to 19	29	0.9	2,437	71.7	705	20.7	178	5.2	50	1.5	3,399
<b>Total</b>	<b>54</b>	<b>1.2</b>	<b>3,231</b>	<b>69.3</b>	<b>1,026</b>	<b>22.0</b>	<b>279</b>	<b>6.0</b>	<b>75</b>	<b>1.6</b>	<b>4,665</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, Birth Statistical Master Files, 2017

**Distribution of Live Births Among Mothers Under Age 20  
by Adequacy of Prenatal Care Utilization Index (APNCU)  
Los Angeles County, 2017**



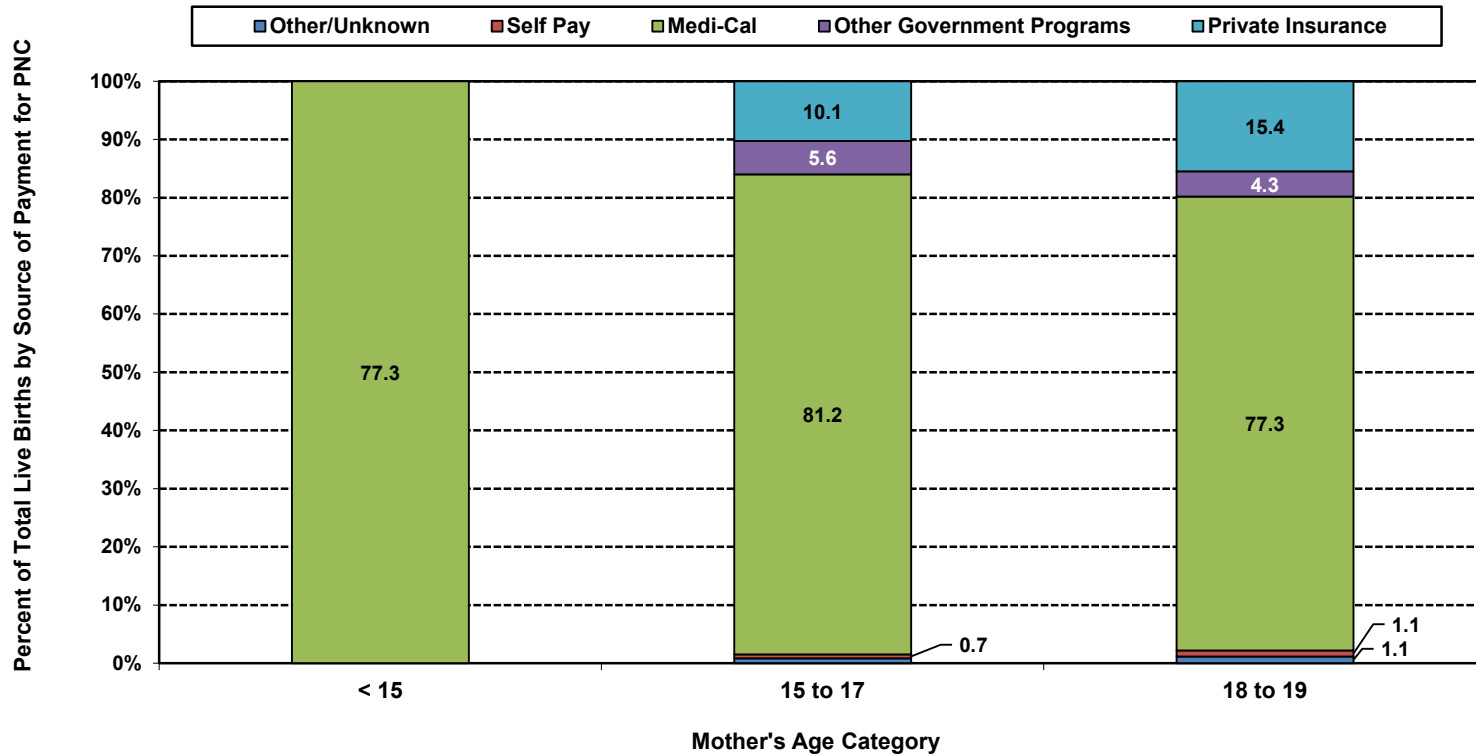
#REF!									Total Live Births to Mothers Under Age 20
Mother's Age Category	Adequacy of Prenatal Care Utilization Index								
	Adequate		Intermediate		Inadequate		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
< 15	18	40.9	<5	N/C	21	47.7	<5	N/C	44
15 to 17	837	68.5	65	5.3	294	24.1	26	2.1	1,222
18 to 19	2,553	75.1	195	5.7	591	17.4	60	1.8	3,399
<b>Total</b>	<b>3,408</b>	<b>73.1</b>	<b>263</b>	<b>5.6</b>	<b>906</b>	<b>19.4</b>	<b>88</b>	<b>1.9</b>	<b>4,665</b>

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.

Source: California Department of Public Health, Birth Statistical Master Files, 2017

**Distribution of Live Births Among Mothers Under Age 20  
by Source of Payment for Prenatal Care  
Los Angeles County, 2017**

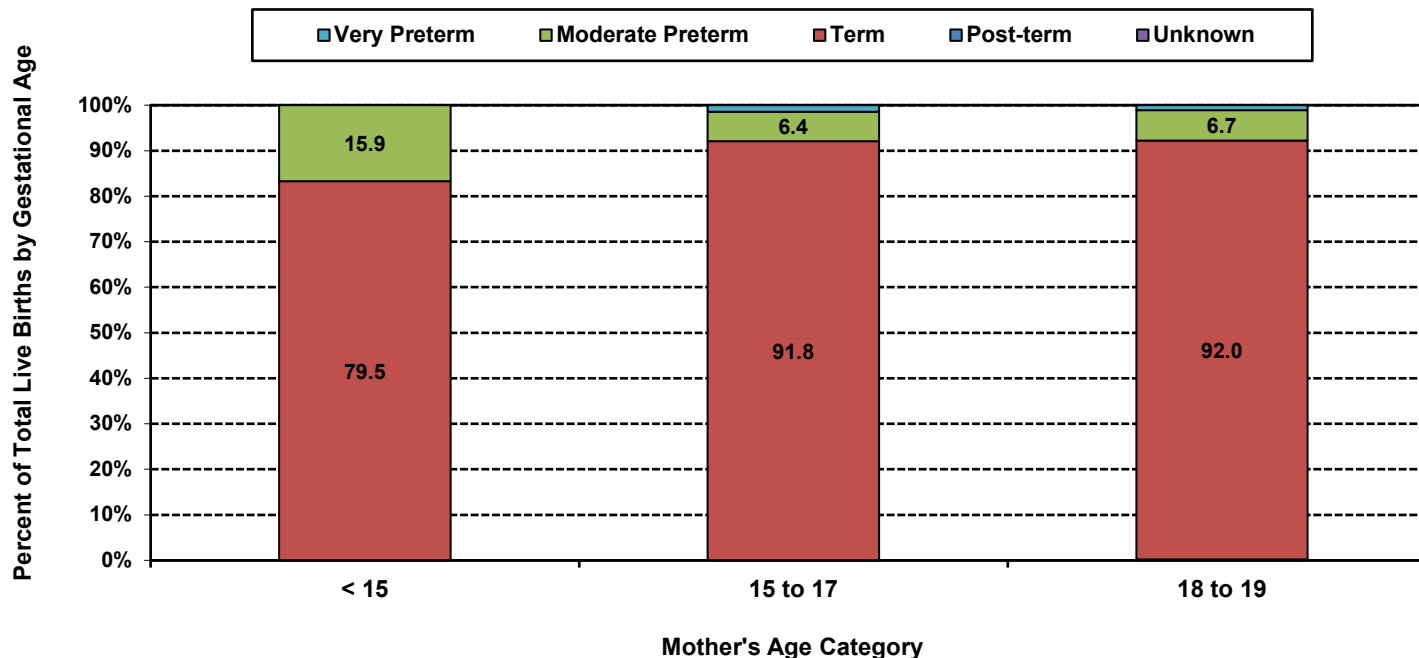


#REF!										
Mother's Age Category	Source of Payment for Prenatal Care									
	Private Insurance		Other Government Programs		Medi-Cal		Self Pay		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 15	<5	N/C	<5	N/C	34	77.3	<5	N/C	<5	N/C
15 to 17	123	10.1	69	5.6	992	81.2	8	0.7	10	0.8
18 to 19	522	15.4	146	4.3	2,628	77.3	36	1.1	38	1.1
<b>Total</b>	<b>646</b>	<b>13.8</b>	<b>218</b>	<b>4.7</b>	<b>3,654</b>	<b>78.3</b>	<b>45</b>	<b>1.0</b>	<b>48</b>	<b>1.0</b>

Total Live Births to Mothers Under Age 20
44
1,222
3,399
<b>4,665</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, Birth Statistical Master Files, 2017

**Distribution of Live Births Among Mothers Under Age 20  
by Gestational Age  
Los Angeles County, 2017**



#REF!											Total Live Births to Mothers Under Age 20
Mother's Age Category	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	15.9	35	79.5	<5	N/C	<5	N/C	44
15 to 17	18	1.5	78	6.4	1,122	91.8	<5	N/C	<5	N/C	1,222
18 to 19	37	1.1	227	6.7	3,126	92.0	7	0.2	<5	N/C	3,399
<b>Total</b>	<b>57</b>	<b>1.2</b>	<b>312</b>	<b>6.7</b>	<b>4,283</b>	<b>91.8</b>	<b>10</b>	<b>0.2</b>	<b>&lt;5</b>	<b>N/C</b>	<b>4,665</b>

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.

Source: California Department of Public Health, Birth Statistical Master Files, 2017