

General Fertility Rate

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INDICATOR: General Fertility Rate

DEFINITION: The number of live births per 1,000 females 15-44 years (reproductive age) (15 to 44 years of age; 15-19 years of age; 20-29 years of age; 30-39 years of age; 40-44 years of age)

NUMERATOR: The total number of live births among females of reproductive age, by age group (15-44 years, 15-19 years; 20-29 years; 30-39 years; 40-44 years), by place of residence, in a calendar year

DENOMINATOR: The total number of females of reproductive age by age group (15 to 44 years; 15-19 years; 20-29 years; 30-39 years; 40-44 years), by place of residence, in a calendar year

HEALTHY PEOPLE 2020

OBJECTIVE: None

Births to Females of Reproductive Age (15-44 years)

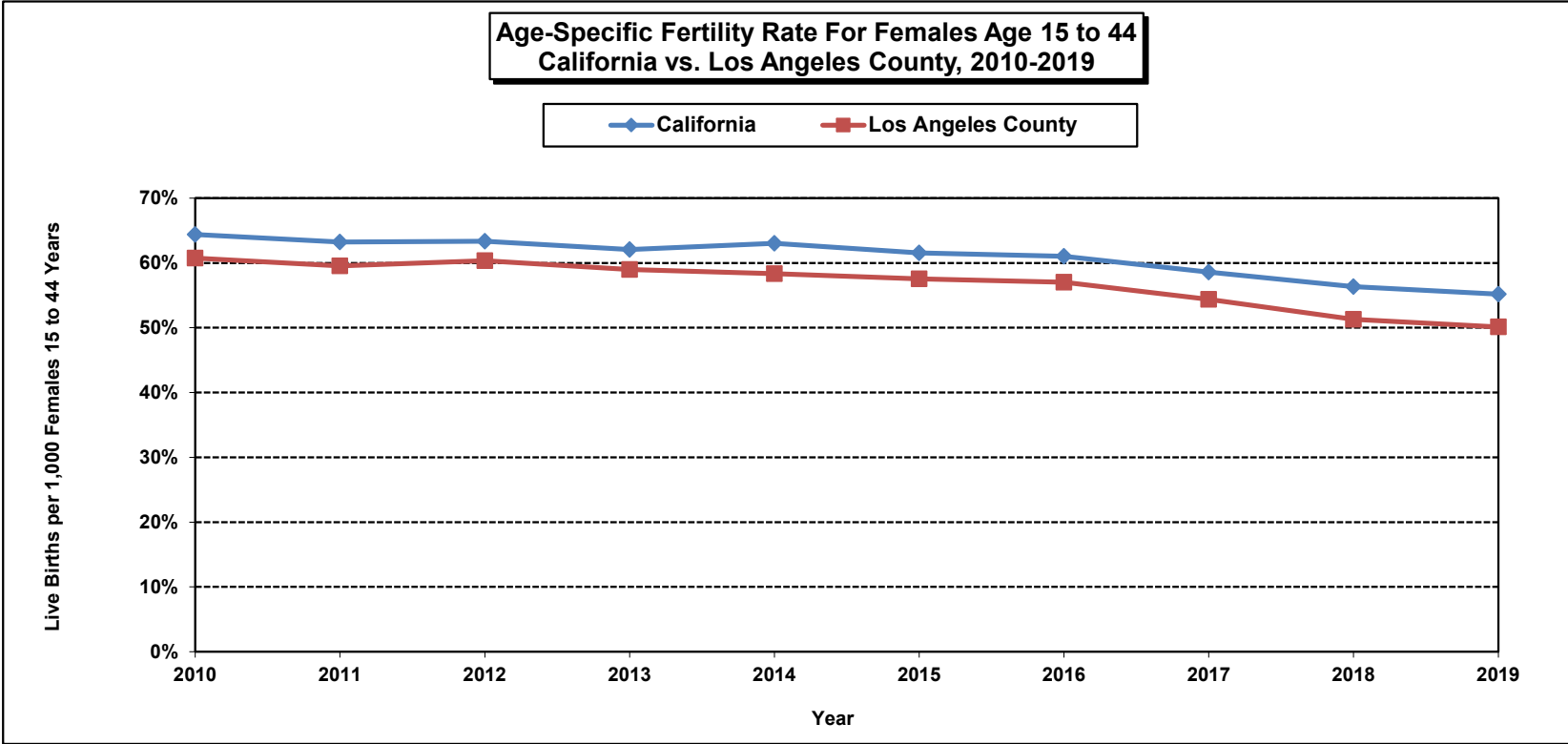
Year	California				Los Angeles County				Denominator: Female Population Age 15-44		
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval		Year	California	LA County
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper			
2010	507,968	64.4	64.2	64.6	132,624	60.7	60.4	61.1	2010	7,888,871	2,183,299
2011	499,961	63.2	63.1	63.4	129,710	59.6	59.2	59.9	2011	7,905,972	2,177,768
2012	501,673	63.4	63.2	63.5	131,141	60.3	60.0	60.6	2012	7,917,877	2,173,607
2013	492,285	62.1	61.9	62.2	127,927	59.0	58.7	59.3	2013	7,931,460	2,169,358
2014	500,908	63.0	62.9	63.2	126,183	58.4	58.0	58.7	2014	7,946,784	2,162,506
2015	489,653	61.6	61.4	61.7	123,878	57.6	57.2	57.9	2015	7,954,666	2,152,384
2016	486,696	61.0	60.9	61.2	122,326	57.0	56.7	57.4	2016	7,973,883	2,144,493
2017	469,506	58.6	58.4	58.7	116,235	54.4	54.1	54.7	2017	8,014,452	2,137,125
2018	452,683	56.4	56.2	56.5	109,285	51.3	51.0	51.6	2018	8,032,987	2,131,053
2019	445,313	55.2	55.0	55.3	106,528	50.1	49.8	50.4	2019	8,069,729	2,125,501

Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)

California Department of Finance, "Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender", 2010-2060, Prepared by: California Department of Public Health, Safe and Active Communities Branch February, 2017 (for age category and gender population estimates, 2015-2019)

California Integrated Vital Records System, 2018-2019

California Department of Public Health, Birth Statistical Master Files, 2010-2017



Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)
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 California Department of Public Health, Birth Statistical Master Files, 2010-2017

Births to Adolescent Females (age 15-19 years)

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
2010	43,127	5.5	5.4	5.5	11,677	5.3	5.3	5.4
2011	38,328	4.8	4.8	4.9	10,359	4.8	4.7	4.8
2012	34,921	4.4	4.4	4.5	9,153	4.2	4.1	4.3
2013	30,499	3.8	3.8	3.9	8,053	3.7	3.6	3.8
2014	27,025	3.4	3.4	3.4	6,950	3.2	3.1	3.3
2015	24,175	3.0	3.0	3.1	6,074	2.8	2.8	2.9
2016	21,412	2.7	2.6	2.7	5,292	2.5	2.4	2.5
2017	18,935	2.4	2.3	2.4	4,621	2.2	2.1	2.2
2018	16,929	2.1	2.1	2.1	4,078	1.9	1.9	2.0
2019	15,349	1.9	1.9	1.9	3,633	1.7	1.7	1.8

Denominator: Female Population Age 15-44		
Year	California	LA County
2010	7,888,871	2,183,299
2011	7,905,972	2,177,768
2012	7,917,877	2,173,607
2013	7,931,460	2,169,358
2014	7,946,784	2,162,506
2015	7,954,666	2,152,384
2016	7,973,883	2,144,493
2017	8,014,452	2,137,125
2018	8,032,987	2,131,053
2019	8,069,729	2,125,501

Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)

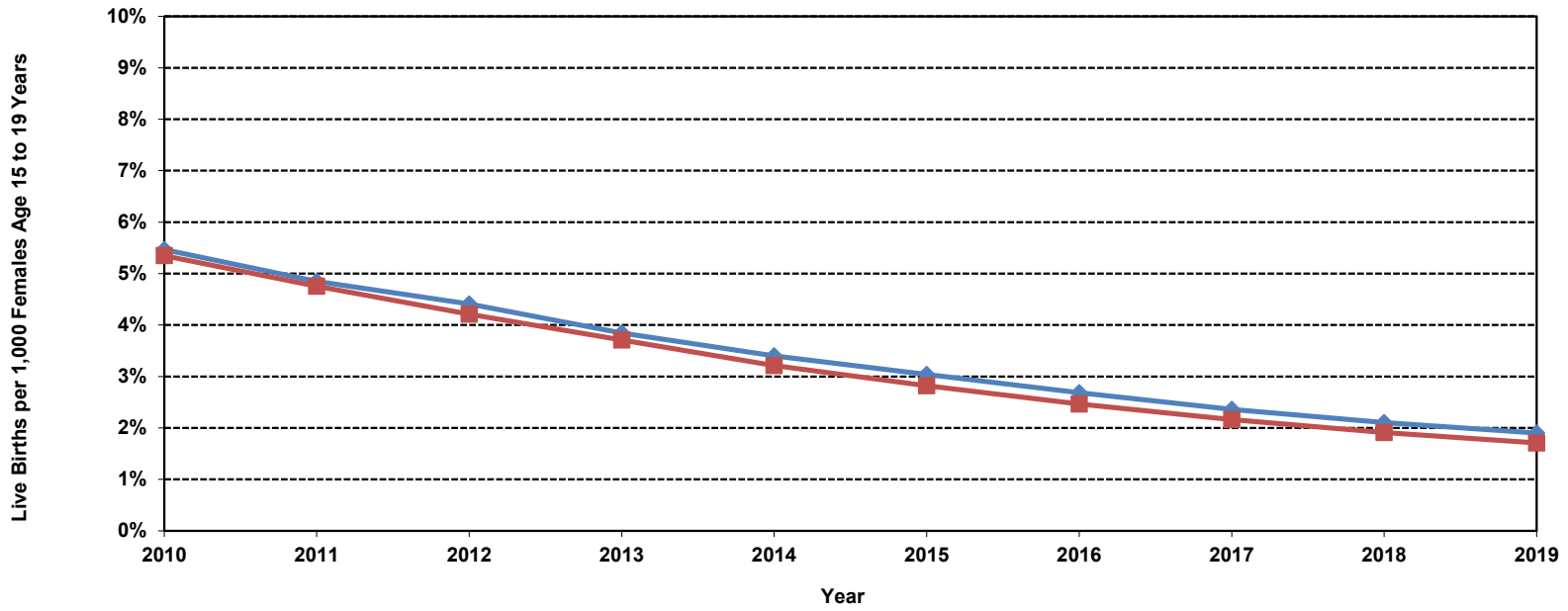
California Department of Finance, "Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender", 2010-2060, Prepared by: California Department of Public Health, Safe and Active Communities Branch February, 2017 (for age category and gender population estimates, 2015-2019)

California Integrated Vital Records System, 2018-2019

California Department of Public Health, Birth Statistical Master Files, 2010-2017

**Age-Specific Fertility Rate For Females Age 15 to 19
California vs. Los Angeles County, 2010-2019**

— California — Los Angeles County



Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)"
 California Department of Finance, "Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender", 2010-2060, Prepared by: California Department of Public Health, Safe and Active Communities Branch February, 2017 (for age category and gender population estimates, 2015-2019)
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Births to Females of Reproductive Age (20-29 years)

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
2010	244,453	31.0	30.9	31.1	60,828	27.9	27.6	28.1
2011	237,278	30.0	29.9	30.1	58,809	27.0	26.8	27.2
2012	234,833	29.7	29.5	29.8	58,567	26.9	26.7	27.2
2013	226,761	28.6	28.5	28.7	55,974	25.8	25.6	26.0
2014	227,064	28.6	28.5	28.7	55,669	25.7	25.5	26.0
2015	218,434	27.5	27.3	27.6	52,713	24.5	24.3	24.7
2016	213,720	26.8	26.7	26.9	51,563	24.0	23.8	24.2
2017	202,325	25.2	25.1	25.4	47,769	22.4	22.2	22.6
2018	189,548	23.6	23.5	23.7	43,162	20.3	20.1	20.4
2019	182,936	22.7	22.6	22.8	41,154	19.4	19.2	19.5

Denominator: Female Population Age 15-44		
Year	California	LA County
2010	7,888,871	2,183,299
2011	7,905,972	2,177,768
2012	7,917,877	2,173,607
2013	7,931,460	2,169,358
2014	7,946,784	2,162,506
2015	7,954,666	2,152,384
2016	7,973,883	2,144,493
2017	8,014,452	2,137,125
2018	8,032,987	2,131,053
2019	8,069,729	2,125,501

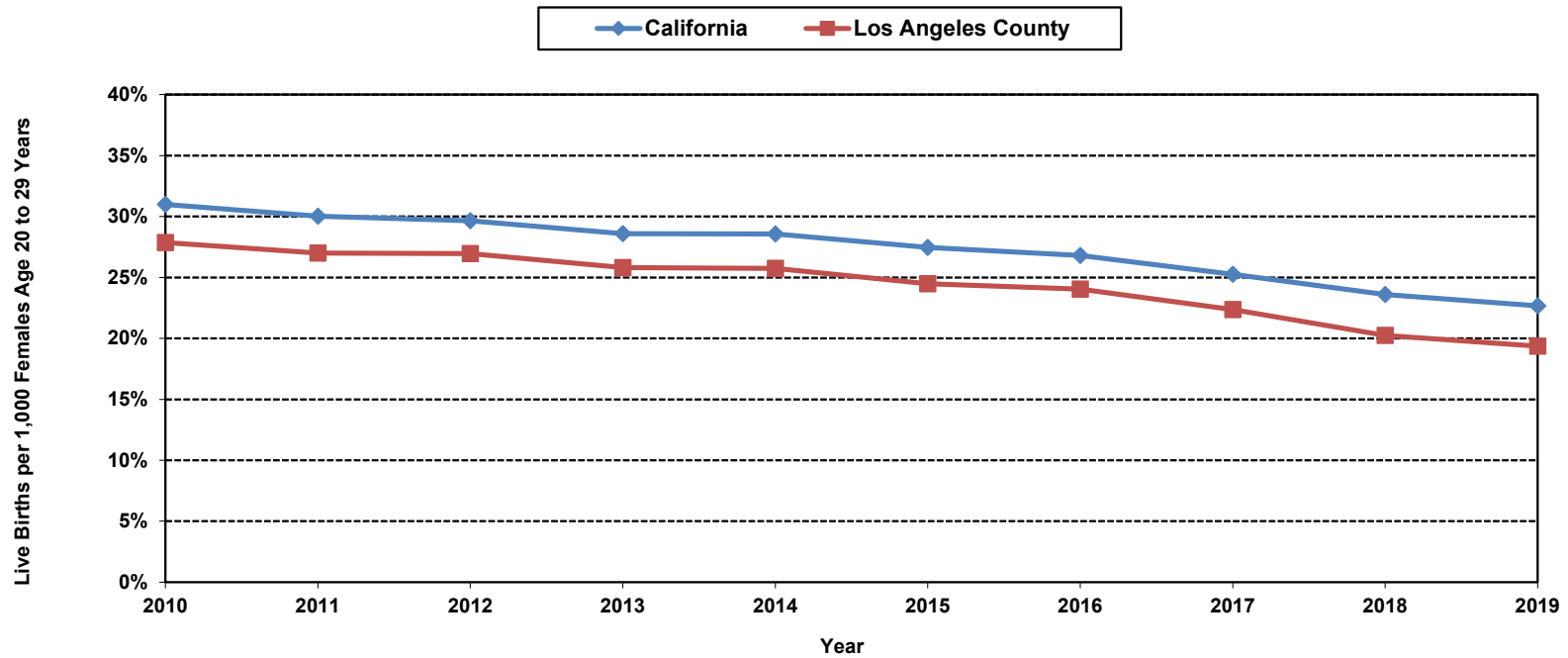
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California Integrated Vital Records System, 2018-2019

California Department of Public Health, Birth Statistical Master Files, 2010-2017

**Age-Specific Fertility Rate For Females Age 20 to 29
California vs. Los Angeles County, 2010-2019**



Sources: July 1, 2018 population estimates prepared by Hedderson Demographic Services for Los Angeles County Internal Services Department (for LAC SPA-specific age category and gender population estimates)
 California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)
 California Integrated Vital Records System, 2018-2019
 California Department of Public Health, Birth Statistical Master Files, 2010-2017

Births to Females of Reproductive Age (30-39 years)

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
2010	201,867	25.6	25.5	25.7	54,623	25.0	24.8	25.2
2011	205,327	26.0	25.9	26.1	54,990	25.3	25.0	25.5
2012	212,608	26.9	26.7	27.0	57,534	26.5	26.3	26.7
2013	215,777	27.2	27.1	27.3	58,085	26.8	26.6	27.0
2014	227,172	28.6	28.5	28.7	57,982	26.8	26.6	27.0
2015	227,224	28.6	28.4	28.7	59,160	27.5	27.3	27.7
2016	231,715	29.1	28.9	29.2	59,582	27.8	27.6	28.0
2017	227,975	28.4	28.3	28.6	57,930	27.1	26.9	27.3
2018	226,152	28.2	28.0	28.3	56,288	26.4	26.2	26.6
2019	226,497	28.1	28.0	28.2	55,759	26.2	26.0	26.4

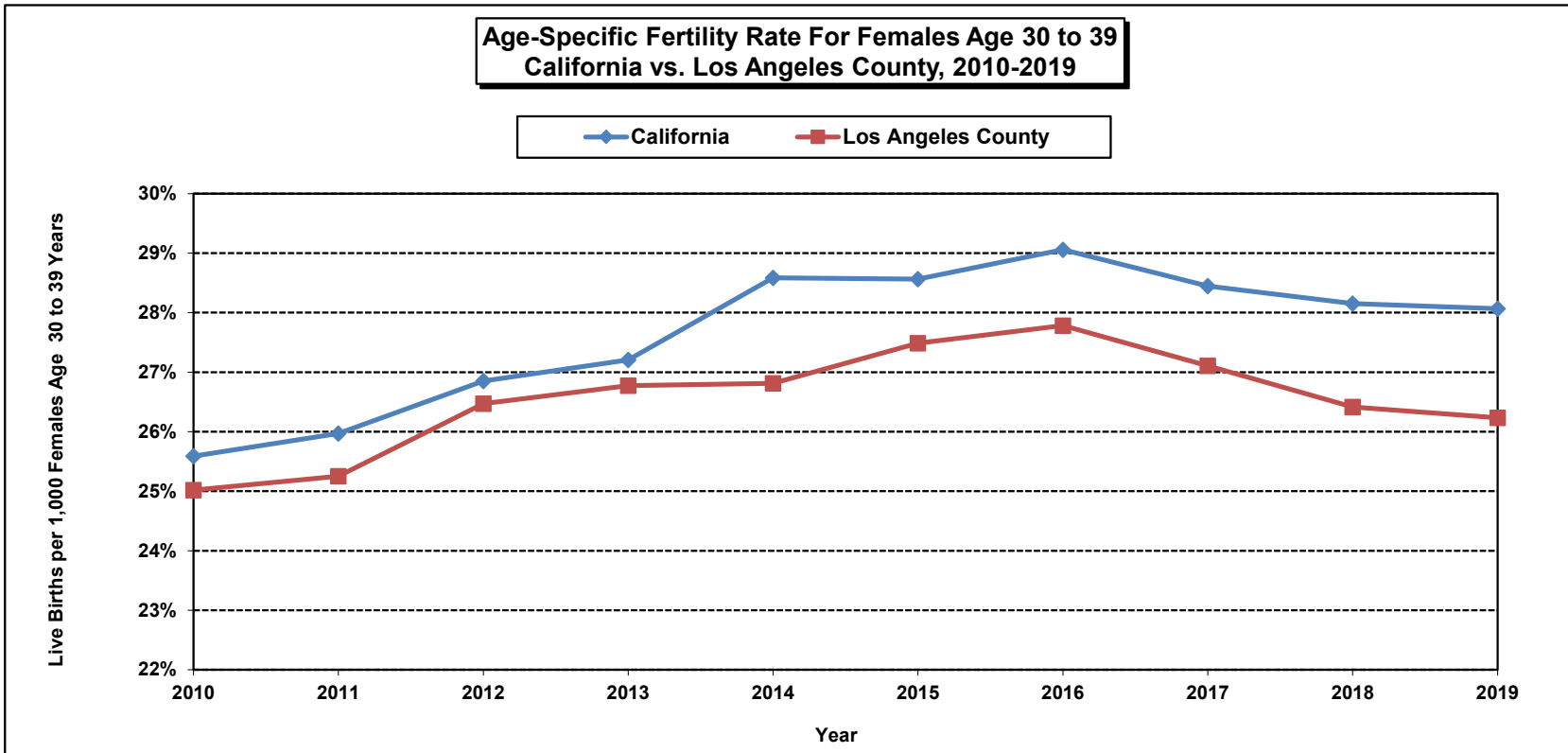
Denominator: Female Population Age 15-44		
Year	California	LA County
2010	7,888,871	2,183,299
2011	7,905,972	2,177,768
2012	7,917,877	2,173,607
2013	7,931,460	2,169,358
2014	7,946,784	2,162,506
2015	7,954,666	2,152,384
2016	7,973,883	2,144,493
2017	8,014,452	2,137,125
2018	8,032,987	2,131,053
2019	8,069,729	2,125,501

Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)

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California Integrated Vital Records System, 2018-2019

California Department of Public Health, Birth Statistical Master Files, 2010-2017



Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)
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 California Integrated Vital Records System, 2018-2019
 California Department of Public Health, Birth Statistical Master Files, 2010-2017

Births to Females of Reproductive Age (40-44 years)

Year	California				Los Angeles County			
	Fertility Rate		95% Confidence Interval		Fertility Rate		95% Confidence Interval	
	Number	Rate	Lower	Upper	Number	Rate	Lower	Upper
2010	18,521	2.3	2.3	2.4	5,496	2.5	2.5	2.6
2011	19,028	2.4	2.4	2.4	5,552	2.5	2.5	2.6
2012	19,311	2.4	2.4	2.5	5,887	2.7	2.6	2.8
2013	19,248	2.4	2.4	2.5	5,815	2.7	2.6	2.7
2014	19,647	2.5	2.4	2.5	5,582	2.6	2.5	2.6
2015	19,820	2.5	2.5	2.5	5,931	2.8	2.7	2.8
2016	19,849	2.5	2.5	2.5	5,889	2.7	2.7	2.8
2017	20,271	2.5	2.5	2.6	5,915	2.8	2.7	2.8
2018	20,054	2.5	2.5	2.5	5,789	2.7	2.6	2.8
2019	20,531	2.5	2.5	2.6	5,982	2.8	2.7	2.9

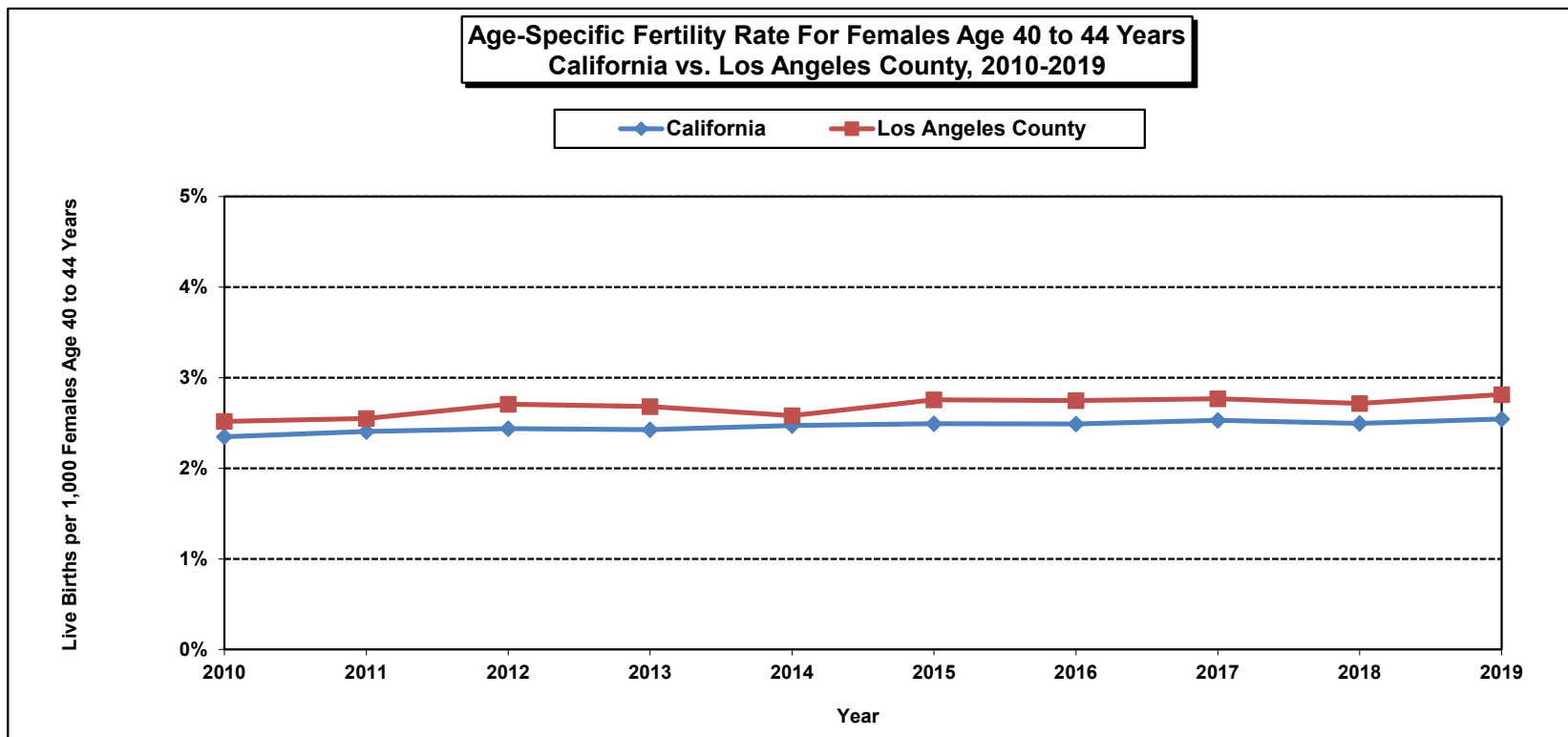
Denominator: Female Population Age 15-44		
Year	California	LA County
2010	7,888,871	2,183,299
2011	7,905,972	2,177,768
2012	7,917,877	2,173,607
2013	7,931,460	2,169,358
2014	7,946,784	2,162,506
2015	7,954,666	2,152,384
2016	7,973,883	2,144,493
2017	8,014,452	2,137,125
2018	8,032,987	2,131,053
2019	8,069,729	2,125,501

Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)

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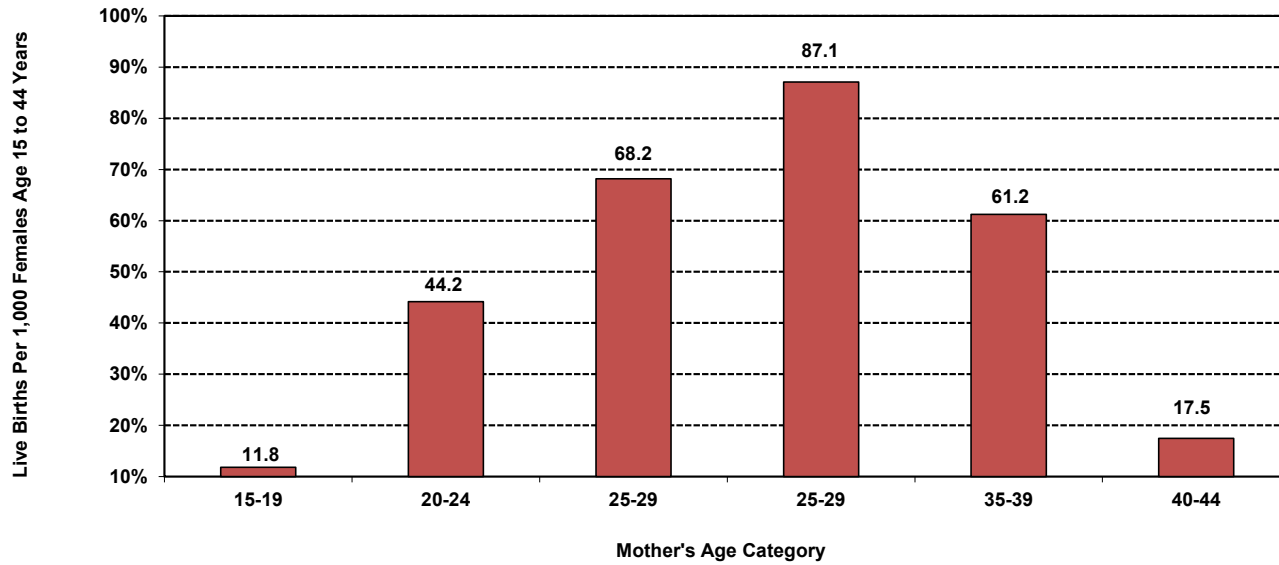
California Integrated Vital Records System, 2018-2019

California Department of Public Health, Birth Statistical Master Files, 2010-2017



Sources: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 2000-2050 (for state and county age category and gender population estimates, 2010-2014)"
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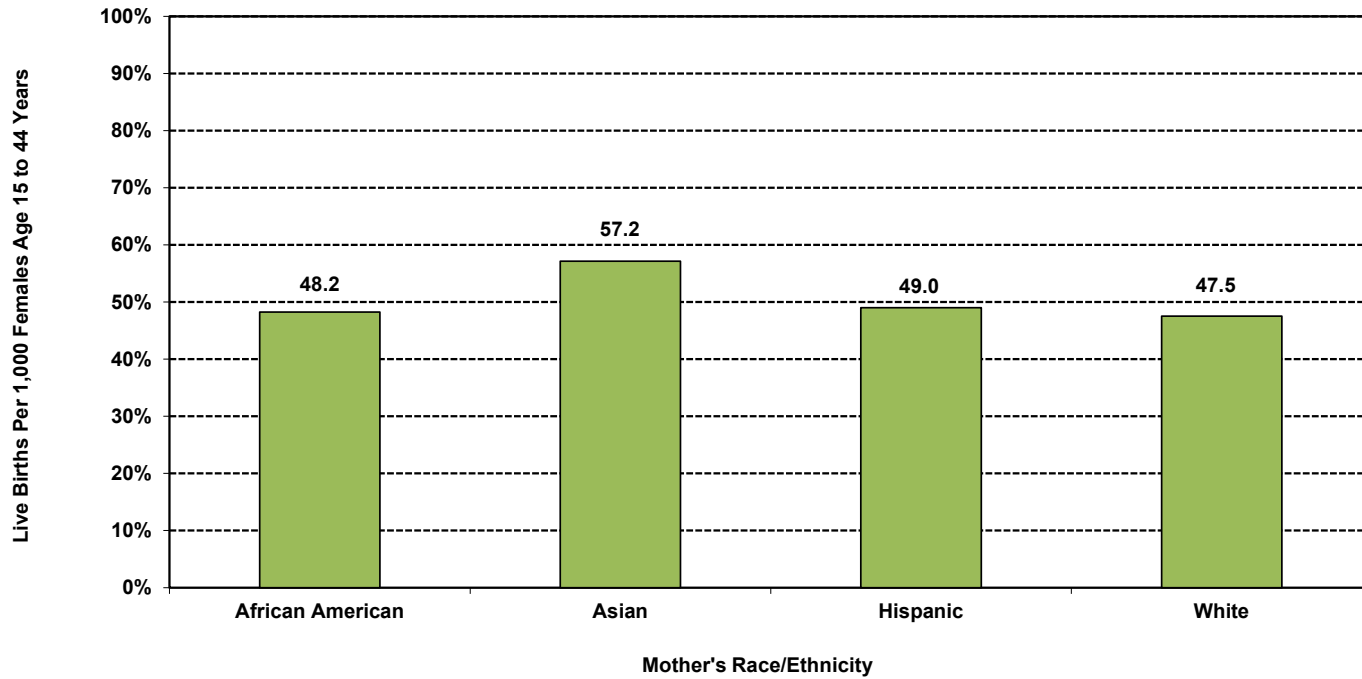
**Age-Specific Fertility Rate For Women Age 15 to 44
Los Angeles County, 2019**



Mother's Age Category	Live Births to Females Age 15 to 44, Los Angeles County		Denominator: Female Population Age 15-44
	Number	Rate per 1,000 Females Age 15-44 Years	
15-19	3,633	11.8	308,030
20-24	15,104	44.2	342,085
25-29	26,050	68.2	382,108
25-29	32,933	87.1	378,164
35-39	22,826	61.2	372,831
40-44	5,982	17.5	342,283
Total	106,528	48.3	2,125,501

Source: California Integrated Vital Records System, 2019

**Fertility Rate For Women Age 15 to 44, by Race/Ethnicity
Los Angeles County, 2019**

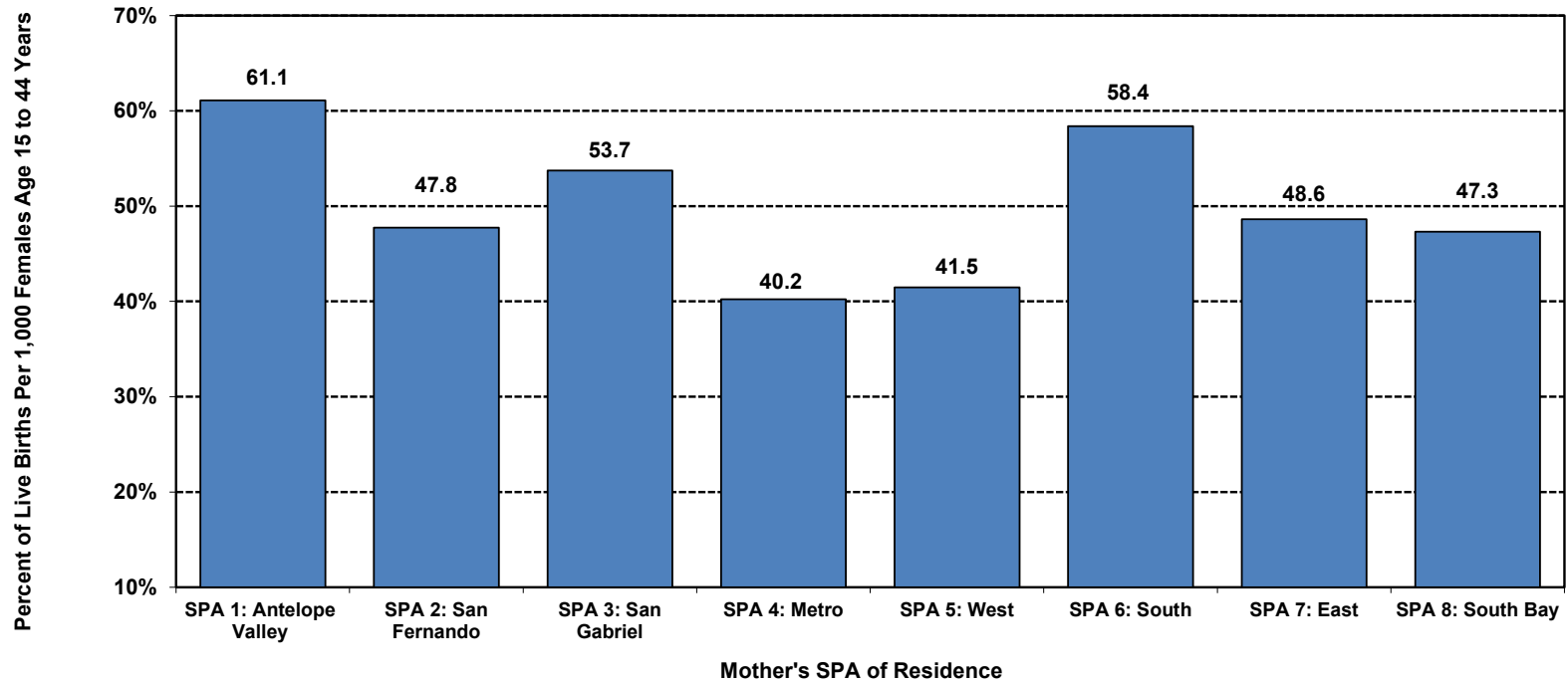


Mother's Race/Ethnicity	Live Births to Females Age 15 to 44, Los Angeles County	
	Number of Births	Rate per 1,000 Females Age 15-44
African American	7,514	48.2
Asian	16,198	57.2
Hispanic	57,371	49.0
Native American	132	35.1
White	21,497	47.5
Two or More Races	1,766	32.8
Other/Unknown	1,794	N/A
Pacific Islander	256	46.8
Total	106,528	50.1

Denominator: Female Population Age 15-44
155,770
283,344
1,170,886
3,764
452,445
53,822
N/A
5,470
2,125,501

Source: California Integrated Vital Records System, 2019

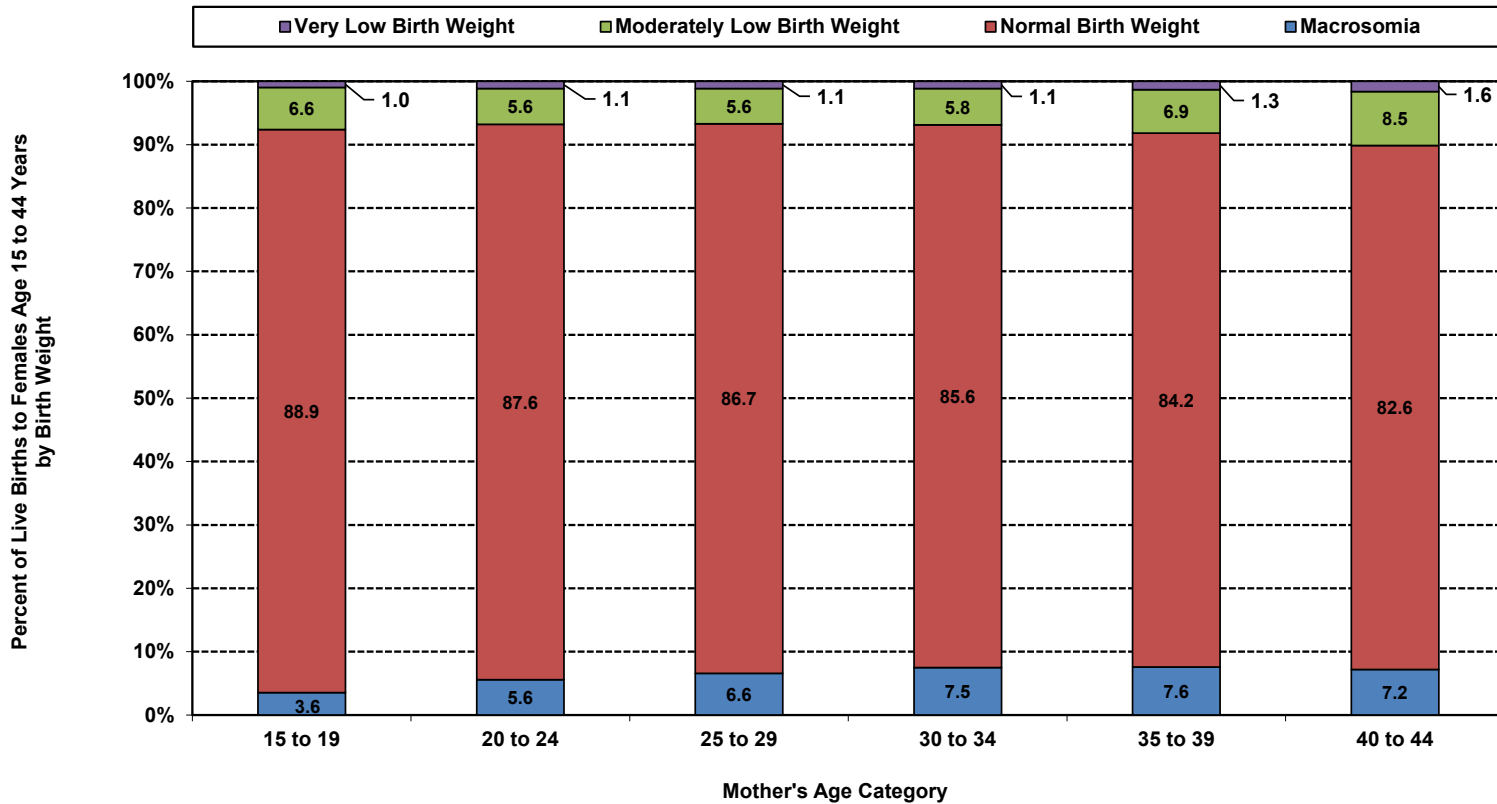
**Fertility Rate For Women Age 15 to 44
by Service Planning Area (SPA)
Los Angeles County, 2019**



Mother's SPA of Residence	Live Births to Females Age 15 to 44, Los Angeles County		Denominator: Female Population Age 15-44
	Number of Births	Rate per 1,000 Females Age 15-44	
SPA 1: Antelope Valley	5,140	61.1	84,119
SPA 2: San Fernando	21,527	47.8	450,755
SPA 3: San Gabriel	19,732	53.7	367,137
SPA 4: Metro	10,235	40.2	254,517
SPA 5: West	5,988	41.5	144,357
SPA 6: South	14,145	58.4	242,241
SPA 7: East	13,857	48.6	284,933
SPA 8: South Bay	15,192	47.3	320,995
Total	106,528	49.8	2,149,054

Sources: California Integrated Vital Records System, 2019
July 1, 2018 population estimates prepared by Hedderson Demographic Services for Los Angeles County Internal Services Department (for LAC SPA-specific age category and gender population estimates)

**Distribution of Live Births Among Women Age 15 to 44 Years by Birth Weight
Los Angeles County, 2019**

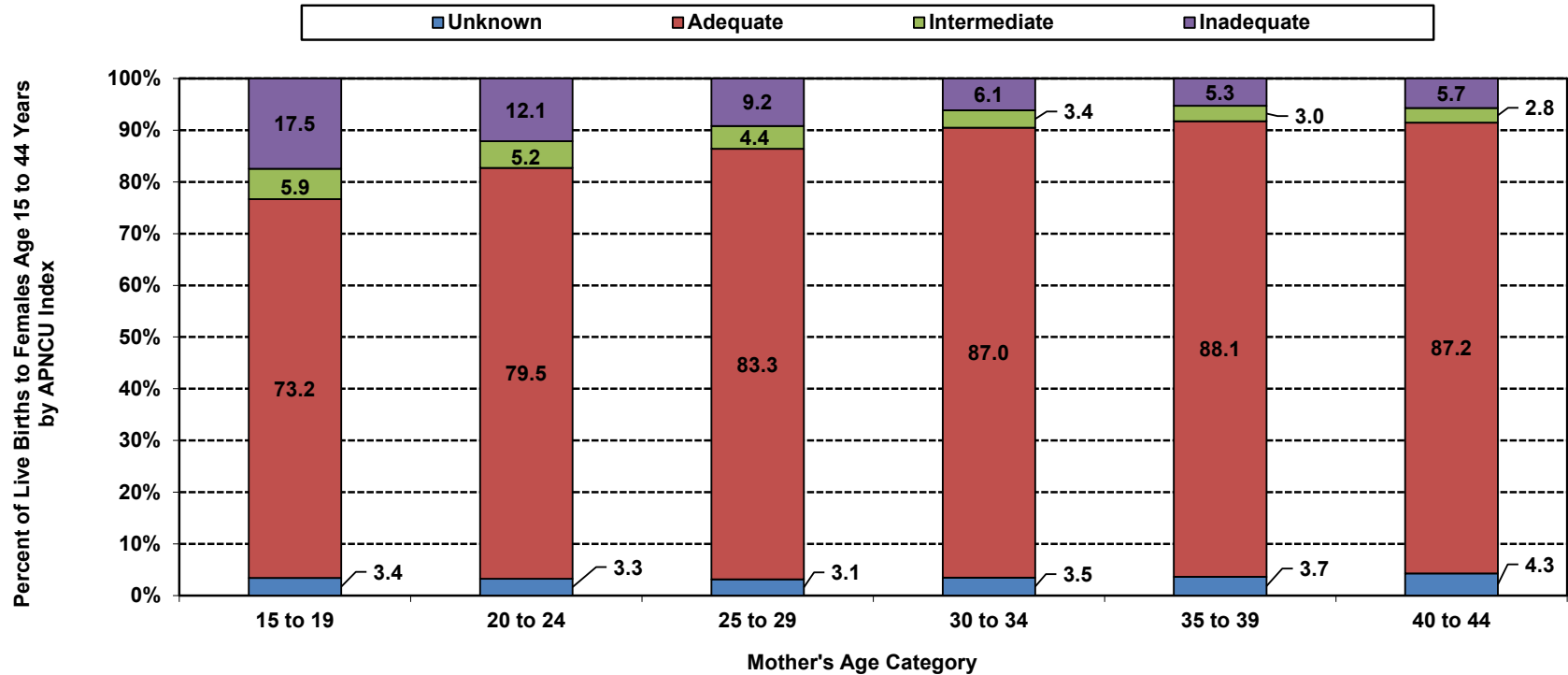


Los Angeles County, 2019								
Birthweight								
Mother's Age Category	Very Low Birth Weight		Moderately Low Birth Weight		Normal Birth Weight		Macrosomia	
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
15 to 19	36	1.0	240	6.6	3,228	88.9	129	3.6
20 to 24	173	1.1	853	5.6	13,234	87.6	844	5.6
25 to 29	296	1.1	1,452	5.6	22,588	86.7	1,714	6.6
30 to 34	374	1.1	1,896	5.8	28,197	85.6	2,465	7.5
35 to 39	299	1.3	1,572	6.9	19,225	84.2	1,730	7.6
40 to 44	98	1.6	509	8.5	4,944	82.6	431	7.2
Total	1,276	1.2	6,522	6.1	91,416	85.8	7,313	6.9

Live Births to Mothers Age 15-44
3,633
15,104
26,050
32,933
22,826
5,982
106,528

Source: California Integrated Vital Records System, 2019

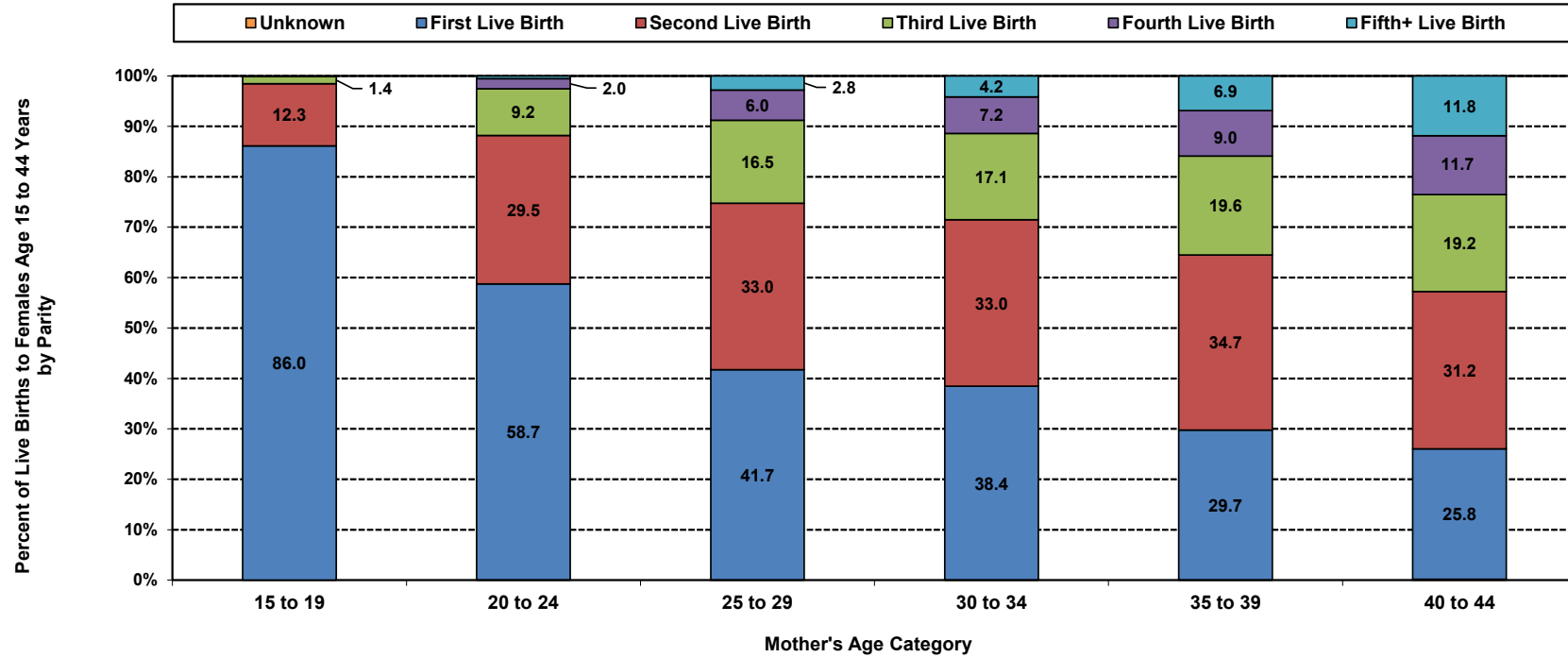
**Distribution of Live Births Among Women Age 15 to 44 Years
by Adequacy of Prenatal Care Utilization Index (APNCU)
Los Angeles County, 2019**



Los Angeles County, 2019									
Mother's Age Category	Adequacy of Prenatal Care Utilization Index								Live Births to Mothers Age 15-44
	Adequate		Intermediate		Inadequate		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
15 to 19	2,661	73.2	214	5.9	634	17.5	124	3.4	3,633
20 to 24	12,001	79.5	778	5.2	1,831	12.1	494	3.3	15,104
25 to 29	21,691	83.3	1,147	4.4	2,394	9.2	818	3.1	26,050
30 to 34	28,655	87.0	1,114	3.4	2,025	6.1	1,139	3.5	32,933
35 to 39	20,099	88.1	690	3.0	1,203	5.3	834	3.7	22,826
40 to 44	5,215	87.2	169	2.8	343	5.7	255	4.3	5,982
Total	90,322	84.8	4,112	3.9	8,430	7.9	3,664	3.4	106,528

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.

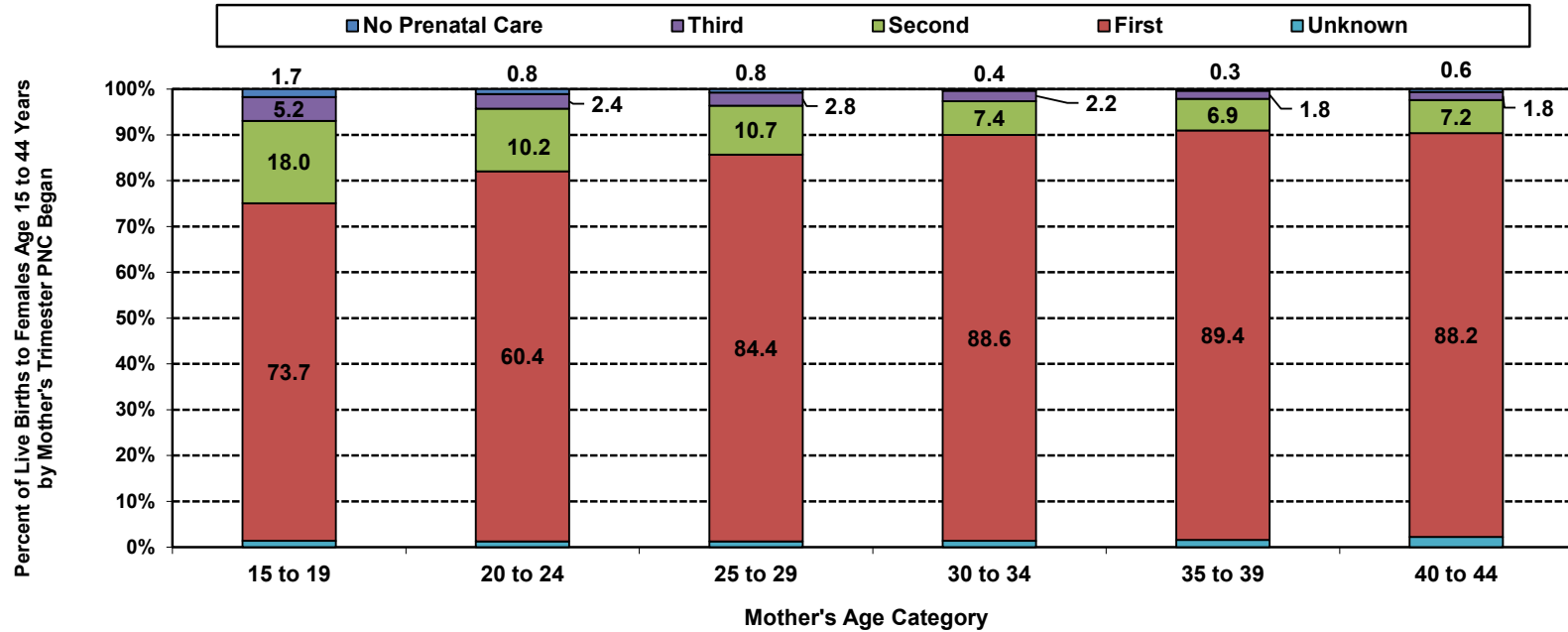
**Distribution of Live Births Among Women Age 15 to 44 Years
by Parity
Los Angeles County, 2019**



Los Angeles County, 2019													
Mother's Age Category	Parity												Live Births to Mothers Age 15-44
	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 to 19	3,124	86.0	448	12.3	50	1.4	5	0.1	<5	N/C	<5	N/C	3,633
20 to 24	8,866	58.7	4,450	29.5	1,395	9.2	301	2.0	84	0.6	8	0.1	15,104
25 to 29	10,854	41.7	8,606	33.0	4,293	16.5	1,550	6.0	733	2.8	14	0.1	26,050
30 to 34	12,650	38.4	10,881	33.0	5,636	17.1	2,384	7.2	1,368	4.2	14	0.0	32,933
35 to 39	6,776	29.7	7,930	34.7	4,473	19.6	2,064	9.0	1,567	6.9	16	0.1	22,826
40 to 44	1,545	25.8	1,868	31.2	1,149	19.2	701	11.7	708	11.8	11	0.2	5,982
Total	43,815	41.1	34,183	32.1	16,996	16.0	7,005	6.6	4,462	4.2	67	0.1	106,528

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 Integrated Vital Records System, 2019

**Distribution of Live Births Among Women Age 15 to 44 Years
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2019**

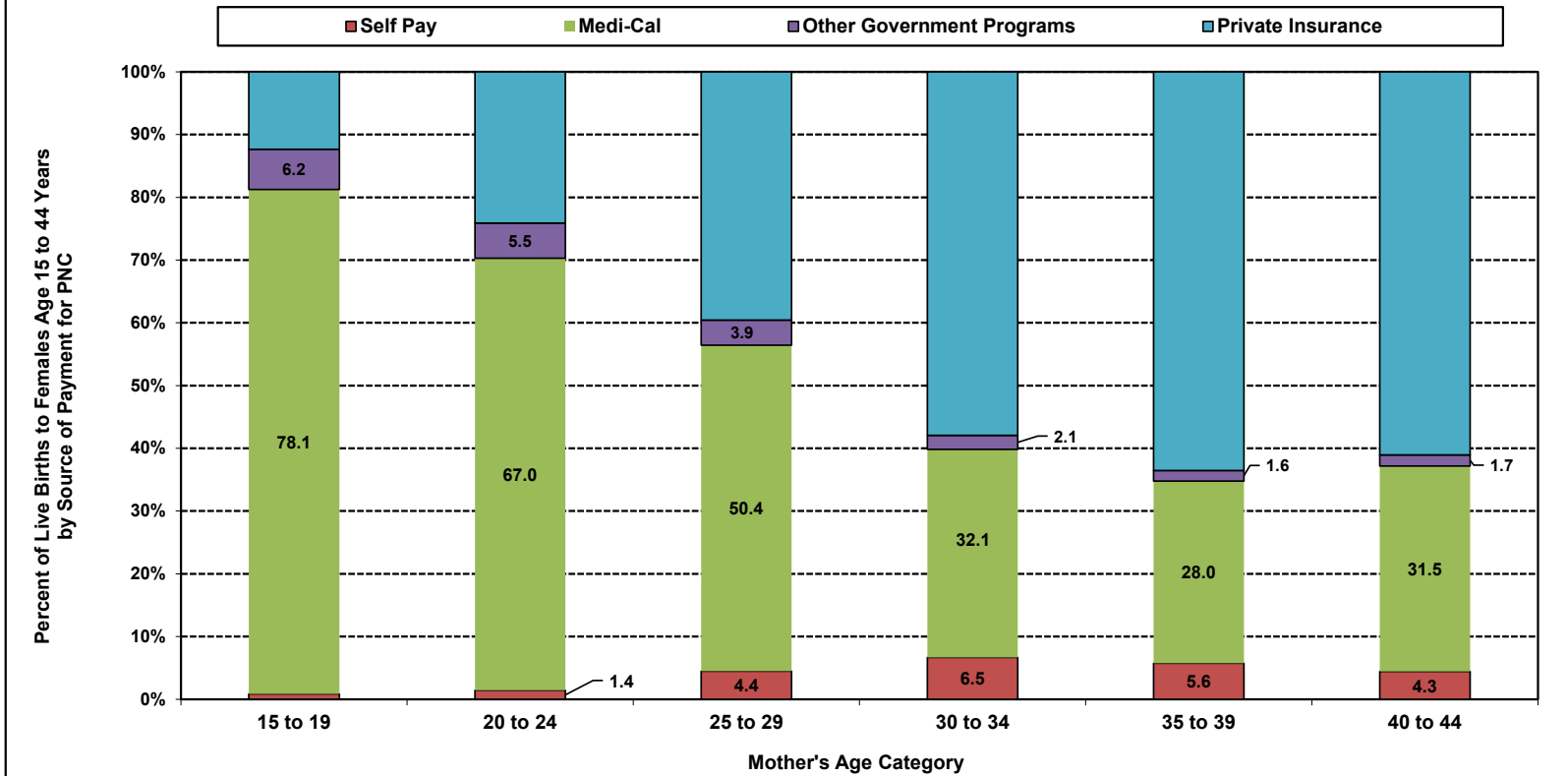


Los Angeles County, 2019										
Mother's Age Category	Mother's Trimester Prenatal Care Began									
	No Prenatal Care		First		Second		Third		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
15 to 19	63	1.7	2,676	73.7	654	18.0	188	5.2	51	1.4
20 to 24	166	0.8	12,197	60.4	2,066	10.2	482	2.4	187	0.9
25 to 29	204	0.8	21,990	84.4	2,786	10.7	731	2.8	330	1.3
30 to 34	122	0.4	29,170	88.6	2,438	7.4	740	2.2	458	1.4
35 to 39	76	0.3	20,413	89.4	1,569	6.9	409	1.8	354	1.6
40 to 44	37	0.6	5,273	88.2	432	7.2	107	1.8	132	2.2
Total	671	0.6	91,719	86.1	9,945	9.3	2,657	2.5	1,512	1.4

Live Births to Mothers Age 15-44
3,632
20,178
26,041
32,931
22,821
5,981
106,504

Source: California Integrated Vital Records System, 2019

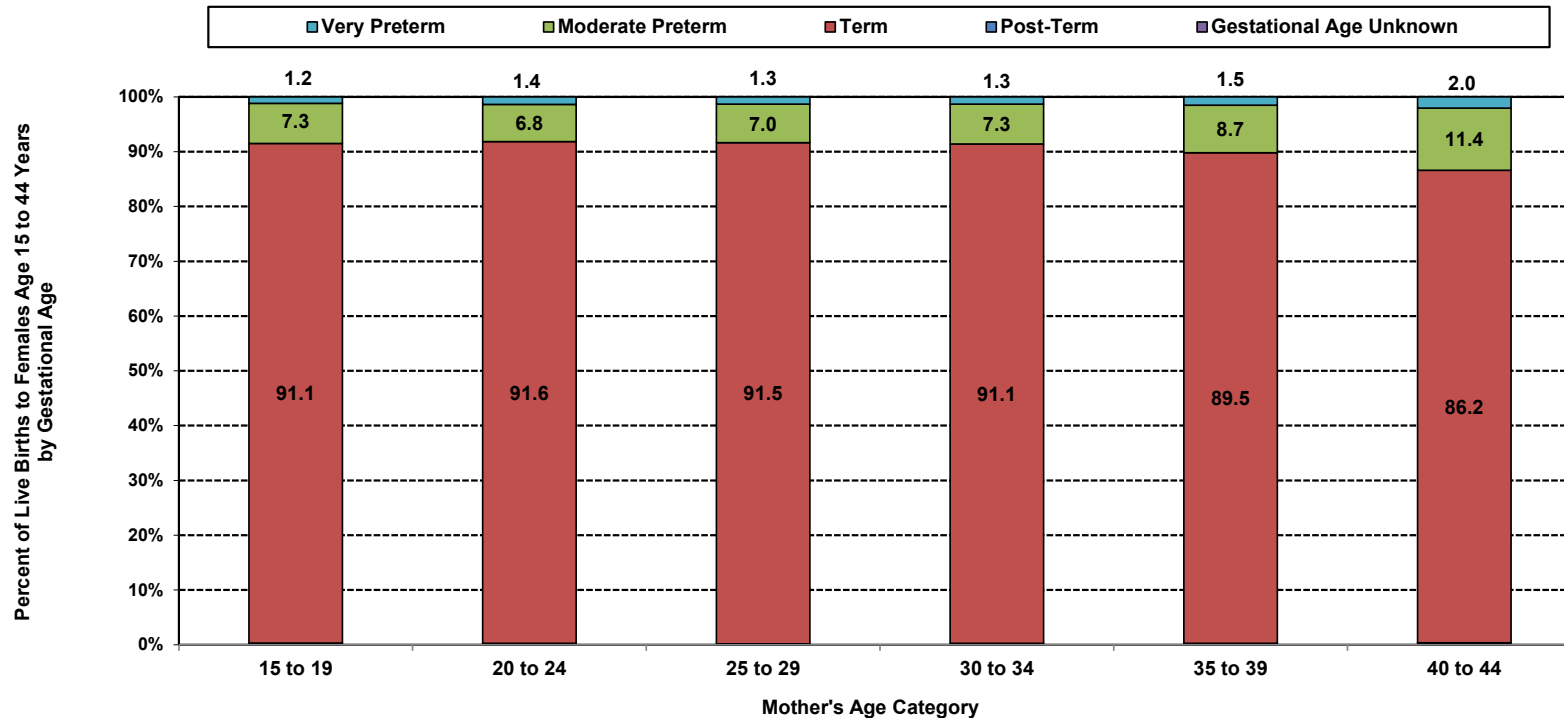
**Distribution of Live Births Among Women Age 15 to 44 Years
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2019**



Los Angeles County, 2019													Live Births to Mothers Age 15-44
Mother's Age Category	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 to 19	63	1.7	436	12.0	225	6.2	2,836	78.1	31	0.9	38	1.0	3,632
20 to 24	166	1.1	3,542	23.5	824	5.5	10,122	67.0	211	1.4	210	1.4	15,098
25 to 29	204	0.8	9,989	38.4	1,013	3.9	13,119	50.4	1,135	4.4	513	2.0	26,041
30 to 34	125	0.4	18,481	56.1	702	2.1	10,577	32.1	2,136	6.5	848	2.6	32,931
35 to 39	76	0.3	13,996	61.3	374	1.6	6,394	28.0	1,272	5.6	667	2.9	22,821
40 to 44	37	0.6	3,512	58.7	101	1.7	1,884	31.5	255	4.3	162	2.7	5,981
Total	671	0.6	49,956	46.9	3,239	3.0	44,932	42.2	5,040	4.7	2,438	2.3	106,504

Source: California Integrated Vital Records System, 2019

**Distribution of Live Births Among Women Age 15 to 44 Years
by Gestational Age
Los Angeles County, 2019**



Los Angeles County, 2019										
Mother's Age Category	Gestational 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 to 19	43	1.2	265	7.3	3,311	91.1	12	0.3	<5	N/C
20 to 24	208	1.4	1,027	6.8	13,828	91.6	31	0.2	10	0.1
25 to 29	348	1.3	1,824	7.0	23,827	91.5	36	0.1	15	0.1
30 to 34	432	1.3	2,397	7.3	30,016	91.1	77	0.2	11	0.0
35 to 39	340	1.5	1,985	8.7	20,436	89.5	54	0.2	11	0.0
40 to 44	122	2.0	679	11.4	5,158	86.2	18	0.3	5	0.1
Total	1,493	1.4	8,177	7.7	96,576	90.7	228	0.2	54	0.1

Live Births to Mothers Age 15-44
3,633
15,104
26,050
32,933
22,826
5,982
106,528

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 obstetrical estimation of gestation.

Source: California Integrated Vital Records System, 2019