

Preterm Live Births

Preterm Live Births

INDICATOR: Percent of Preterm Live Births

DEFINITION: The percent of live births occurring at less than 37 weeks of gestation.

NUMERATOR: The number of live births occurring at less than 37 weeks of gestation, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE:
Reduce preterm births to an incidence of no more than 9.4 percent of live births.
(Objective MICH 9.1: baseline 10.0% in 2018)

HEALTHY PEOPLE 2030 OBJECTIVE:
This objective has been removed from Healthy People 2030 (MICH 9.1).

Year	California				Los Angeles County			
	Preterm Live Birth		95% Confidence Interval		Preterm Live Birth		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2011	42,616	8.5	8.4	8.6	13,059	10.0	9.9	10.2
2012	42,427	8.4	8.4	8.5	12,758	9.7	9.5	9.8
2013	41,540	8.4	8.3	8.5	11,688	9.1	8.9	9.3
2014	41,594	8.3	8.2	8.3	11,442	8.8	8.6	8.9
2015	41,600	8.5	8.4	8.5	10,941	8.8	8.6	8.9
2016	42,074	8.6	8.5	8.7	10,979	8.9	8.8	9.1
2017	40,907	8.7	8.6	8.8	10,534	9.0	8.9	9.2
2018	39,964	8.8	8.7	8.9	9,902	9.0	8.8	9.2
2019	46,291	10.4	10.3	10.5	9,810	9.2	9.0	9.3
2020	36,769	8.7	8.6	8.8	9,037	9.2	9.0	9.4

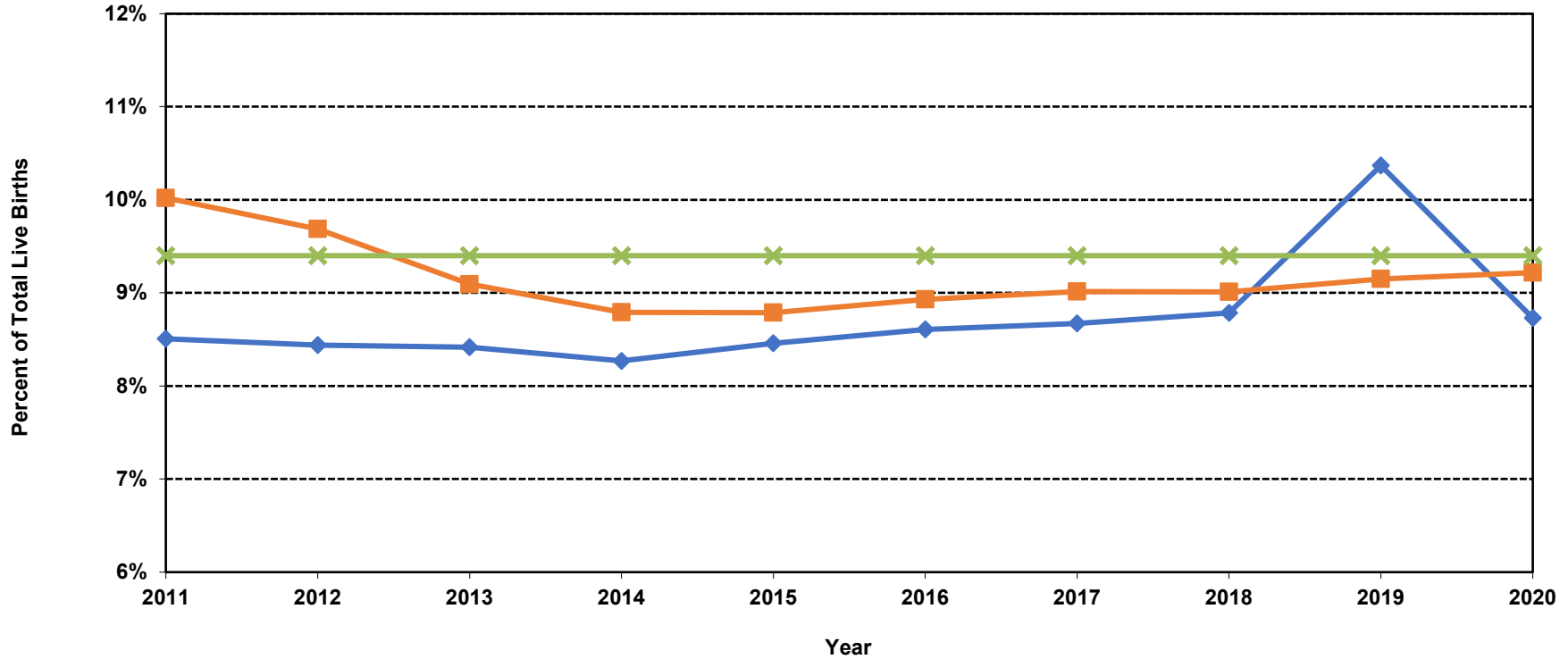
Denominator: Live Births		
Year	California	LA County
2011	500,909	130,313
2012	502,722	131,697
2013	493,587	128,526
2014	502,973	130,150
2015	491,748	124,507
2016	488,827	122,941
2017	471,658	116,850
2018	454,920	109,893
2019	446,479	107,202
2020	421,109	98,021

Note: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.
For birth weight data shown in CDC WONDER before May 8, 2015, 21 births that occurred in year 2011 were erroneously reported in the birth weight category 5000-8165 grams, instead of the "Not stated" birth weight category. These 21 births are now reported in "Not stated" birth weight category.
Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.

Sources: California Integrated Vital Records System, 2018-2020
California Department of Public Health, Birth Statistical Master Files, 2011-2017
National Vital Statistics System, Natality on CDC WONDER Online Database. Data from Natality Records, accessed at <http://wonder.cdc.gov/natality-expanded-current.html>

**Preterm Live Births as a Percent of Total Live Births
California vs. Los Angeles County, 2011-2020**

California Los Angeles County Healthy People 2020



Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

For birth weight data shown in CDC WONDER before May 8, 2015, 21 births that occurred in year 2011 were erroneously reported in the birth weight category 5000-8165 grams, instead of the "Not stated" birth weight category. These 21 births are now reported in "Not stated" birth weight category.

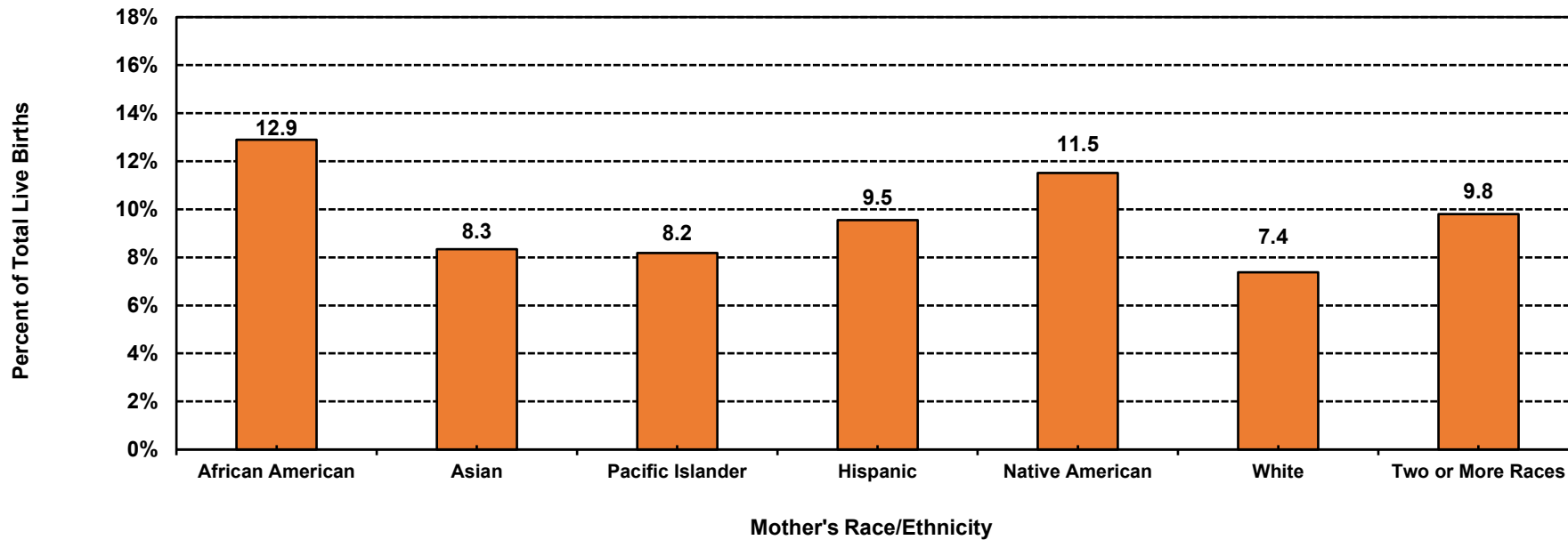
Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.

Sources: California Integrated Vital Records System, 2018-2020

California Department of Public Health, Birth Statistical Master Files, 2011-2017

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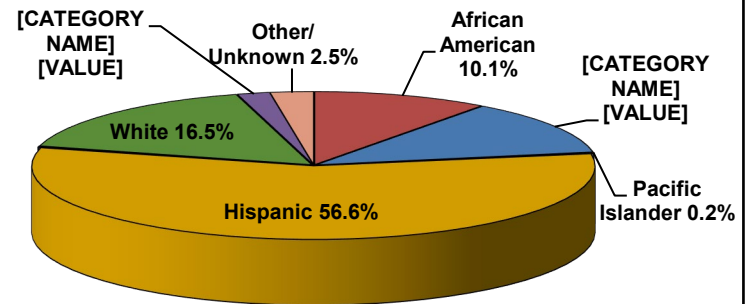
**Preterm Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Race/Ethnicity	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	914	12.9	12.1	13.7
Asian	1,089	8.3	7.9	8.8
Pacific Islander	17	8.2	4.4	11.9
Hispanic	5,118	9.5	9.3	9.8
Native American	16	11.5	6.2	16.8
White	1,491	7.4	7.0	7.7
Two or More Races	168	9.8	8.4	11.2
Other/ Unknown	224	11.3	9.9	12.7
Total	9,037	9.2	9.0	9.4

Total Live Births
7,085
13,062
208
53,604
139
20,222
1,714
1,987
98,021

**Distribution of Preterm Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**

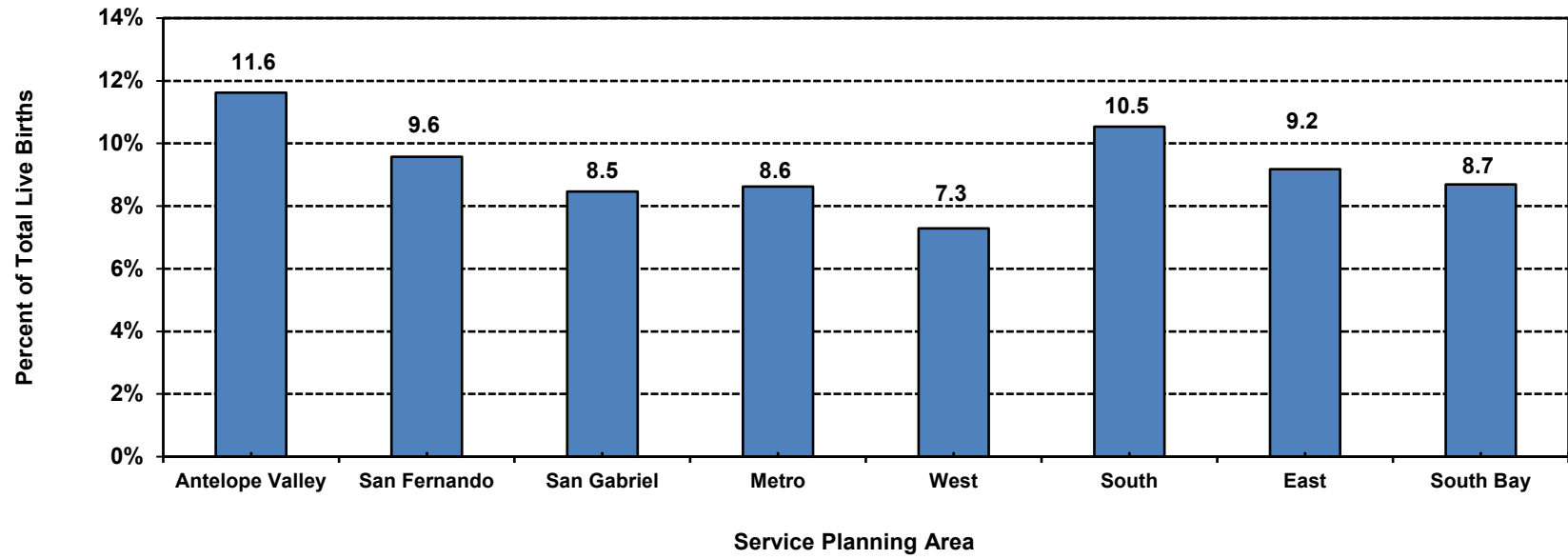


Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.

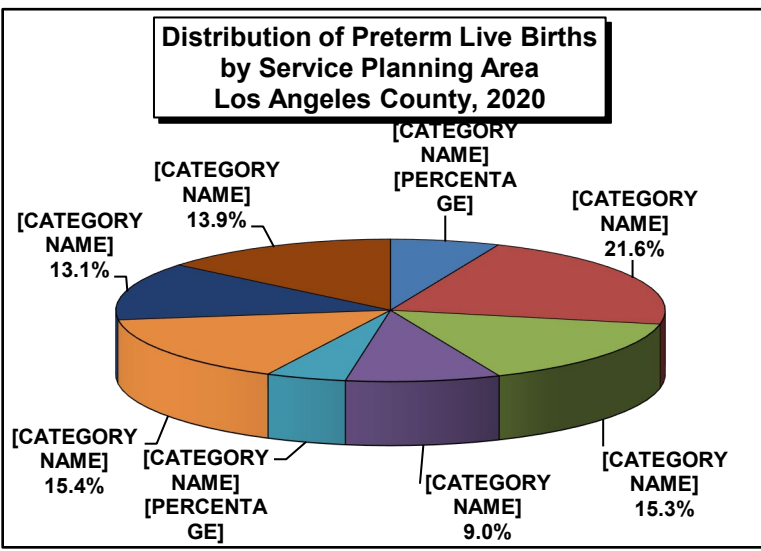
Source: California Integrated Vital Records System, 2020

**Preterm Births as a Percent of Total Live Births
by Service Planning Area
Los Angeles County, 2020**



Los Angeles County, 2020				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	577	11.6	10.7	12.5
San Fernando	1,949	9.6	9.2	10.0
San Gabriel	1,381	8.5	8.0	8.9
Metro	815	8.6	8.1	9.2
West	423	7.3	6.6	8.0
South	1,389	10.5	10.0	11.1
East	1,181	9.2	8.7	9.7
South Bay	1,258	8.7	8.2	9.2
Unknown	64	10.7	8.2	13.2
Total	9,037	9.2	9.0	9.4

Total Live Births
4,965
20,366
16,314
9,454
5,800
13,181
12,872
14,472
597
98,021



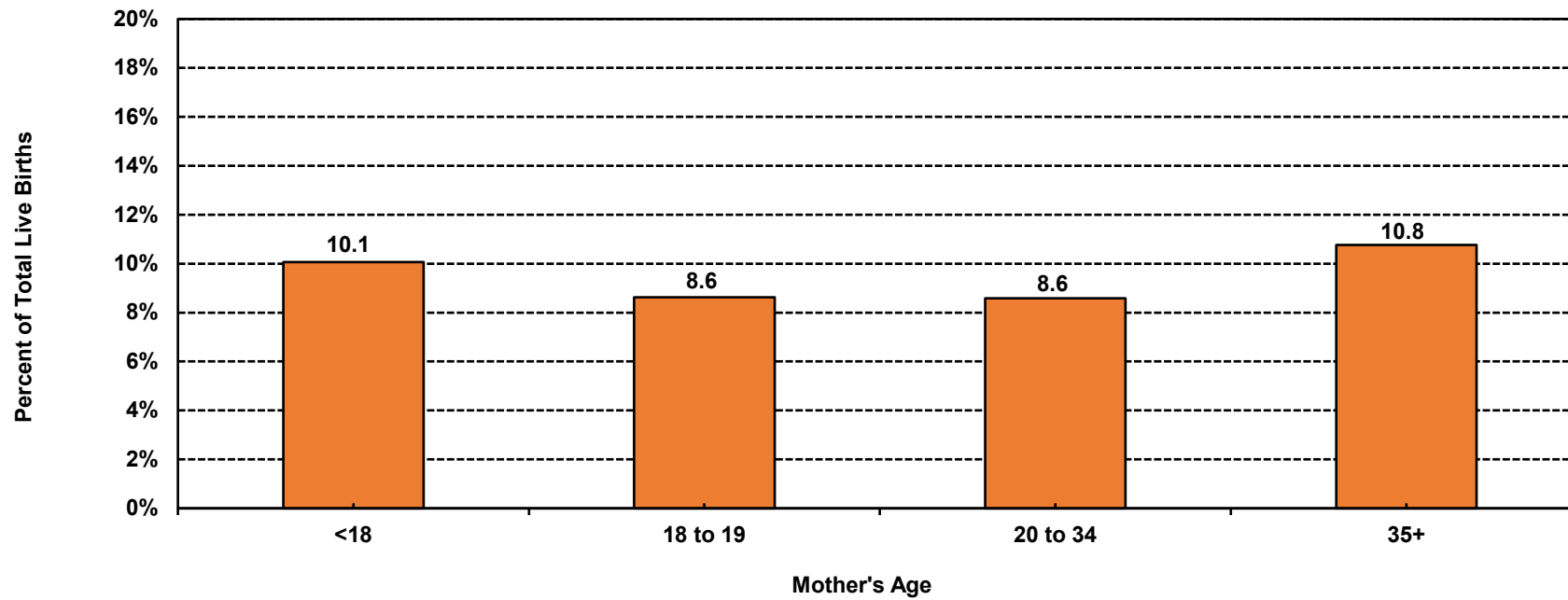
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

The residential zip codes of the mother were used to allocate live births to corresponding SPA. SPA corresponding to each zip code (published in 2010) were designated using the zip code centroids. Published statistics based on other corresponding table may vary when compared. Records that cannot be assigned to any SPA are classified as "Unknown".

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.

Source: California Integrated Vital Records System, 2020

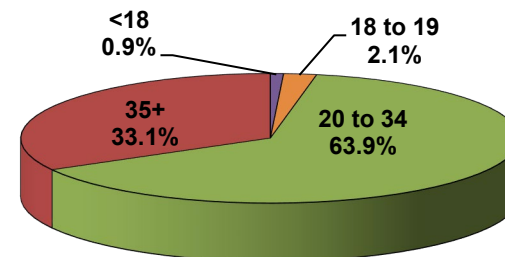
**Preterm Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Age	Preterm Live Birth		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	77	10.1	7.9	12.2
18 to 19	193	8.6	7.5	9.8
20 to 34	5,774	8.6	8.4	8.8
35+	2,993	10.8	10.4	11.1
Other/ Unknown	<5	N/C	N/C	N/C
Total	9,037	9.2	9.0	9.4

Total Live Births
765
2,238
67,210
27,803
5
98,021

**Distribution of Preterm Live Births
by Mother's Age
Los Angeles County, 2020**



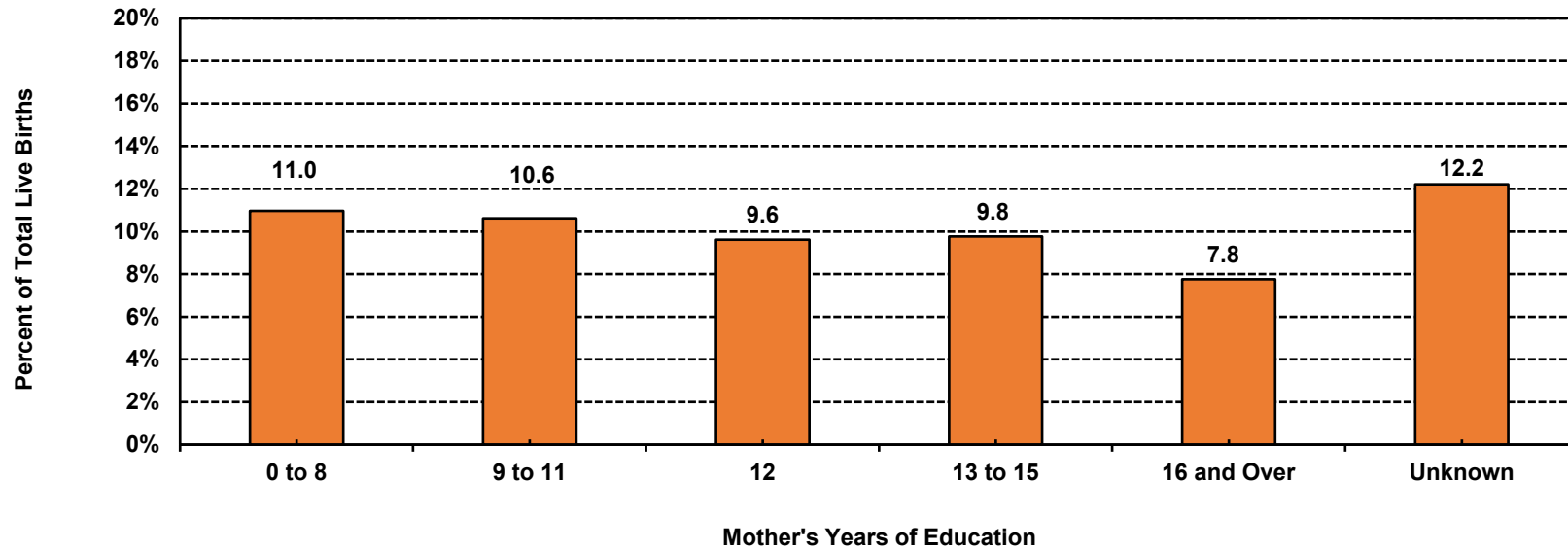
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.

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, 2020

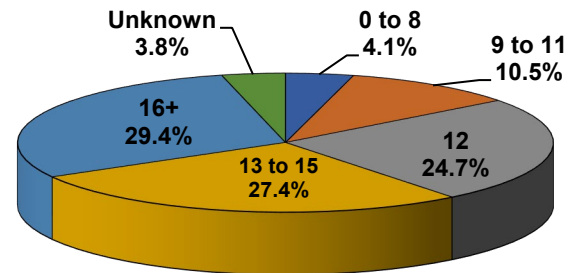
**Preterm Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Years of Education	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	370	11.0	9.9	12.0
9 to 11	953	10.6	10.0	11.2
12	2,233	9.6	9.2	10.0
13 to 15	2,477	9.8	9.4	10.1
16 and Over	2,657	7.8	7.5	8.0
Unknown	347	12.2	11.0	13.4
Total	9,037	9.2	9.0	9.4

Total Live Births
3,375
8,982
23,218
25,376
34,230
2,840
98,021

**Distribution of Preterm Live Births
by Mother's Years of Education
Los Angeles County, 2020**



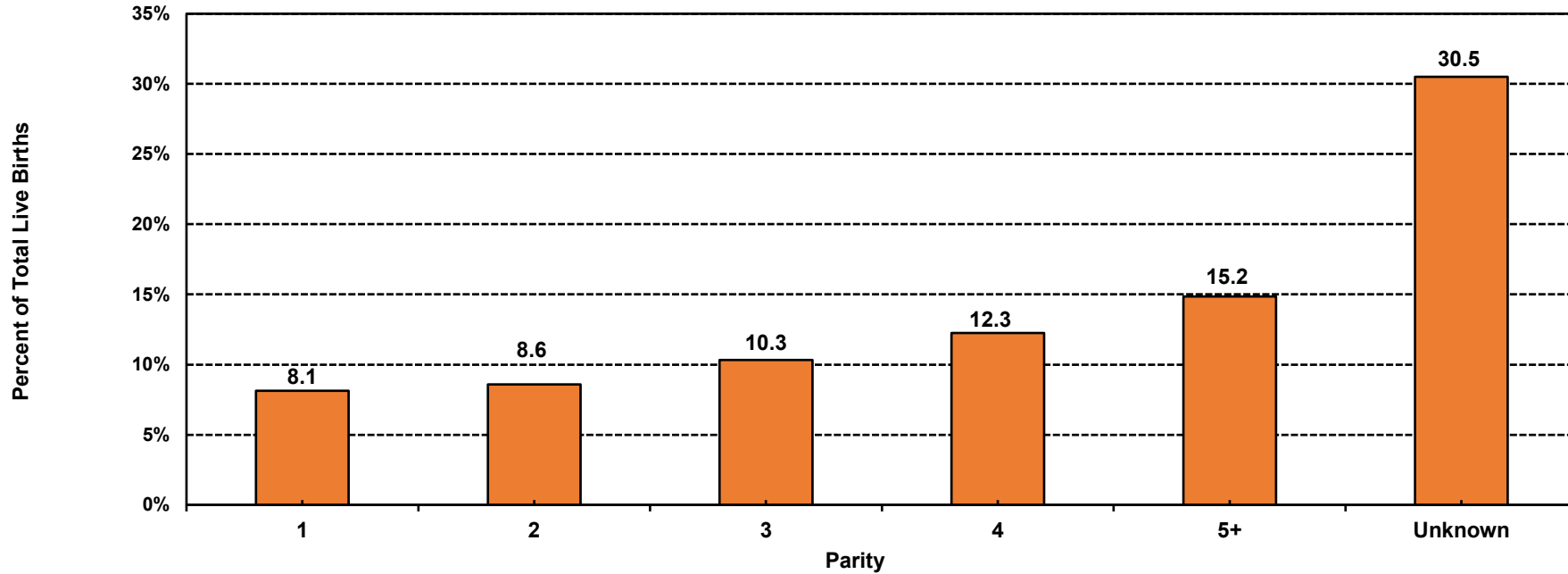
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.

This analysis did not adjust for teen mothers who may not have been old enough to have reached a higher categorical education level.

Source: California Integrated Vital Records System, 2020

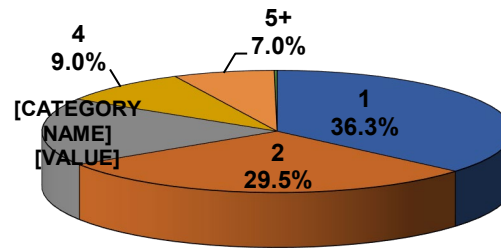
**Preterm Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2020**



Los Angeles County, 2020				
Parity	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	3,283	8.1	7.9	8.4
2	2,668	8.6	8.3	8.9
3	1,623	10.3	9.8	10.8
4	816	12.3	11.5	13.0
5+	629	14.9	13.8	15.9
Unknown	18	30.5	18.8	42.3
Total	9,037	9.2	9.0	9.4

Total Live Births
40,317
31,033
15,724
6,655
4,233
59
98,021

**Distribution of Preterm Live Births
by Parity
Los Angeles County, 2020**



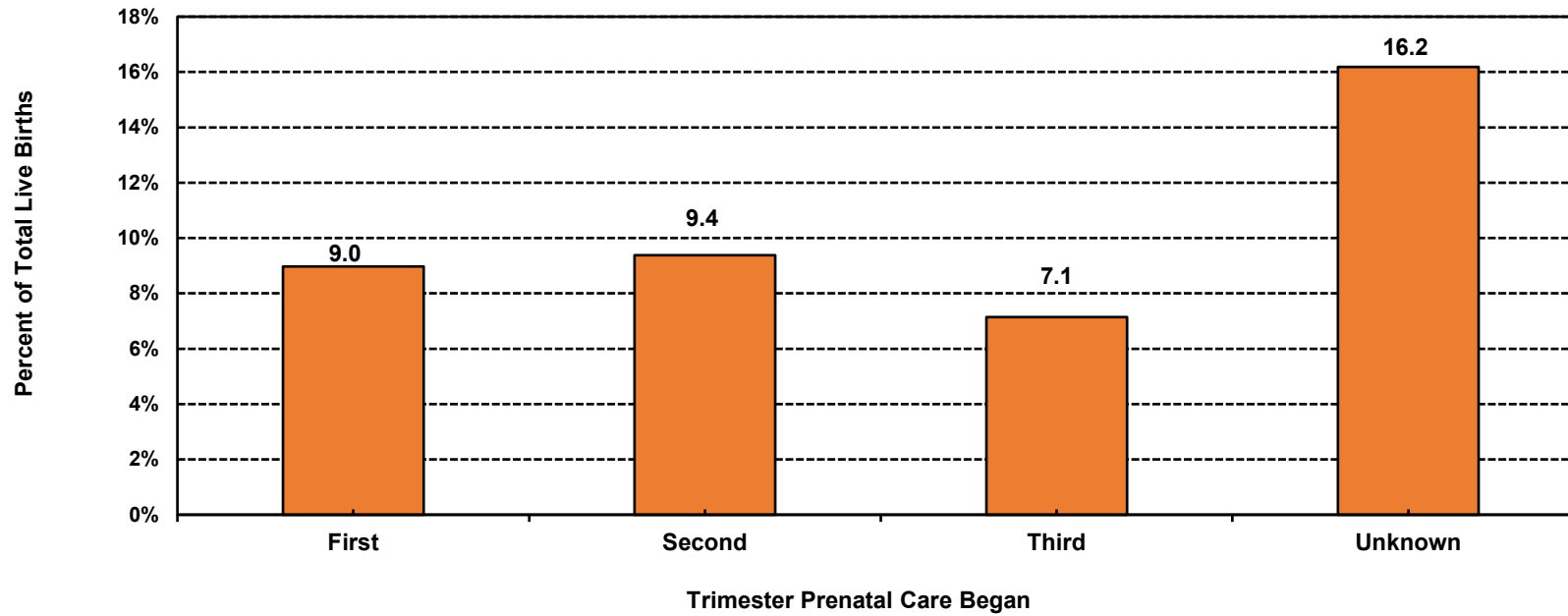
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.

Parity is defined as the number of pregnancies resulting in live births to a woman.

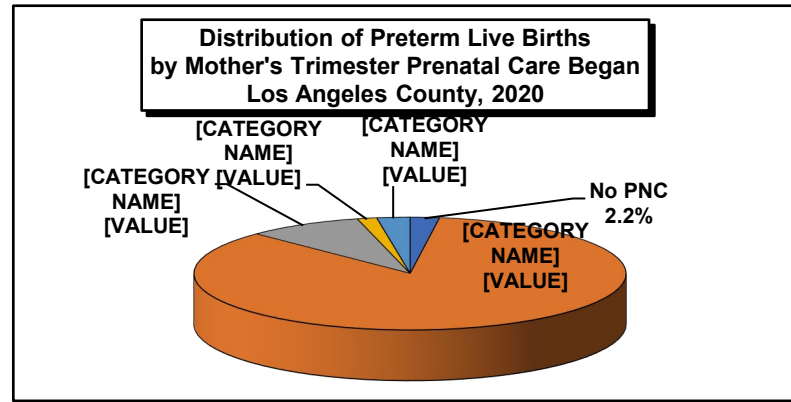
Source: California Integrated Vital Records System, 2020

**Preterm Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2020**



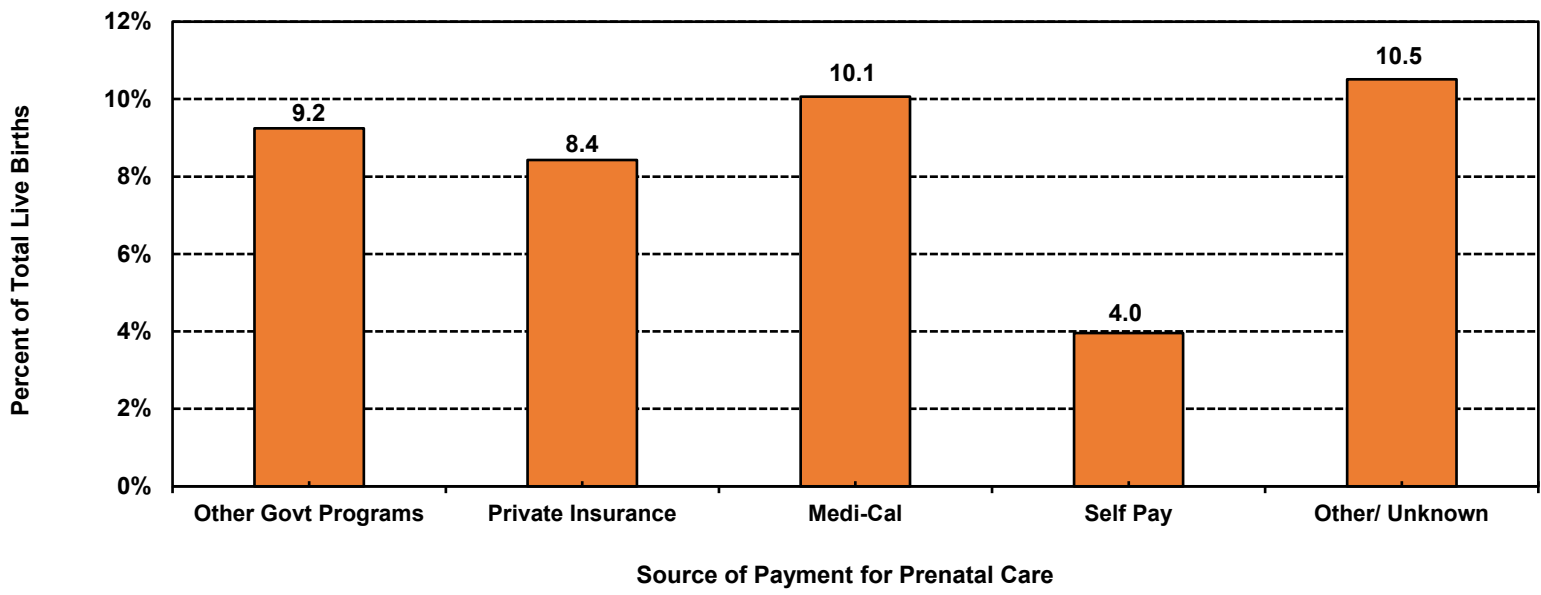
Los Angeles County, 2020				
Mother's Trimester Prenatal Care Began	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	197	30.2	26.7	33.7
First	7,701	9.0	8.8	9.2
Second	783	9.4	8.8	10.0
Third	132	7.1	6.0	8.3
Unknown	224	16.2	14.2	18.1
Total	9,037	9.2	9.0	9.4

Total Live Births
652
85,787
8,349
1,849
1,384
98,021

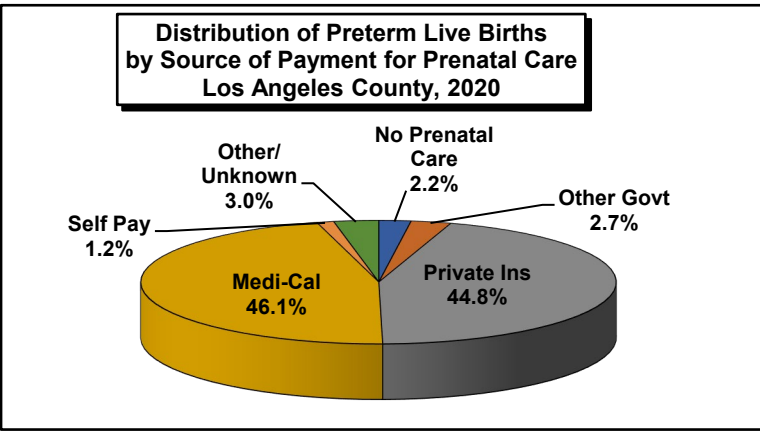


Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.
 Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.
 "Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.
 Source: California Integrated Vital Records System, 2020

**Preterm Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2020**



Los Angeles County, 2020					
Source of Payment for Prenatal Care	Preterm Live Births		95% Confidence Interval		Total Live Births
	Number	Percent	Lower	Upper	
No Prenatal Care	197	30.2	26.7	33.7	652
Other Govt Programs	247	9.2	8.1	10.3	2,672
Private Insurance	4,051	8.4	8.2	8.7	48,090
Medi-Cal	4,163	10.1	9.8	10.4	41,366
Self Pay	104	4.0	3.2	4.7	2,625
Other/ Unknown	275	10.5	9.3	11.7	2,616
Total	9,037	9.2	9.0	9.4	98,021



Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.
 Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.
 "Source of Payment for Prenatal Care (PNC)" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.
 Source: California Integrated Vital Records System, 2020

Early Preterm

Early Preterm Live Births

INDICATOR: Percent of Early Preterm Live Births

DEFINITION: The percent of live births occurring at less than 32 weeks of gestation.

NUMERATOR: The number of live births occurring at less than 32 weeks of gestation, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE:

Reduce early preterm births to an incidence of no more than 1.5 percent of live births.
(Baseline: 1.7 percent in 2007) (Objective MICH-9.4)

HEALTHY PEOPLE 2030 OBJECTIVE:

This objective has been removed from the list of Healthy People Objectives (Objective MICH-9.4).

Los Angeles County				
Year	Early Preterm		95% Confidence Interval	
	Number	Percent	Lower	Upper
2011	1,921	1.5	1.4	1.5
2012	1,861	1.4	1.3	1.5
2013	1,711	1.3	1.3	1.4
2014	1,732	1.3	1.3	1.4
2015	1,695	1.4	1.3	1.4
2016	1,559	1.3	1.2	1.3
2017	1,547	1.3	1.3	1.4
2018	1,500	1.4	1.3	1.4
2019	1,515	1.4	1.3	1.5
2020	1,419	1.4	1.4	1.5

Denominator: Los Angeles County Live Births	
Year	LA County
2011	130,313
2012	131,697
2013	128,526
2014	130,150
2015	124,507
2016	122,941
2017	116,850
2018	109,893
2019	107,202
2020	98,021

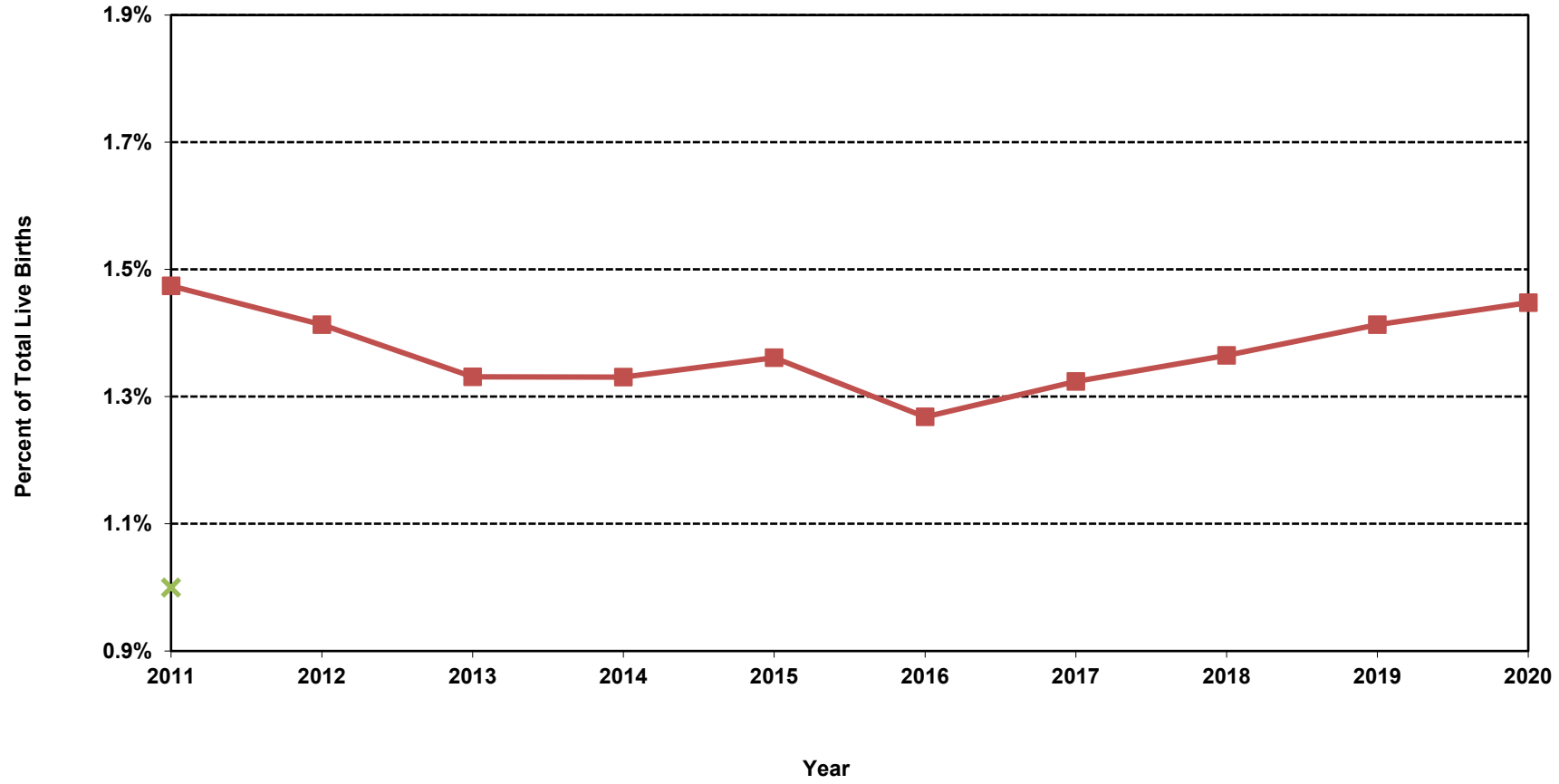
Note: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.

Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.

Sources: California Integrated Vital Records System, 2018-2020
California Department of Public Health, Birth Statistical Master Files, 2011-2017

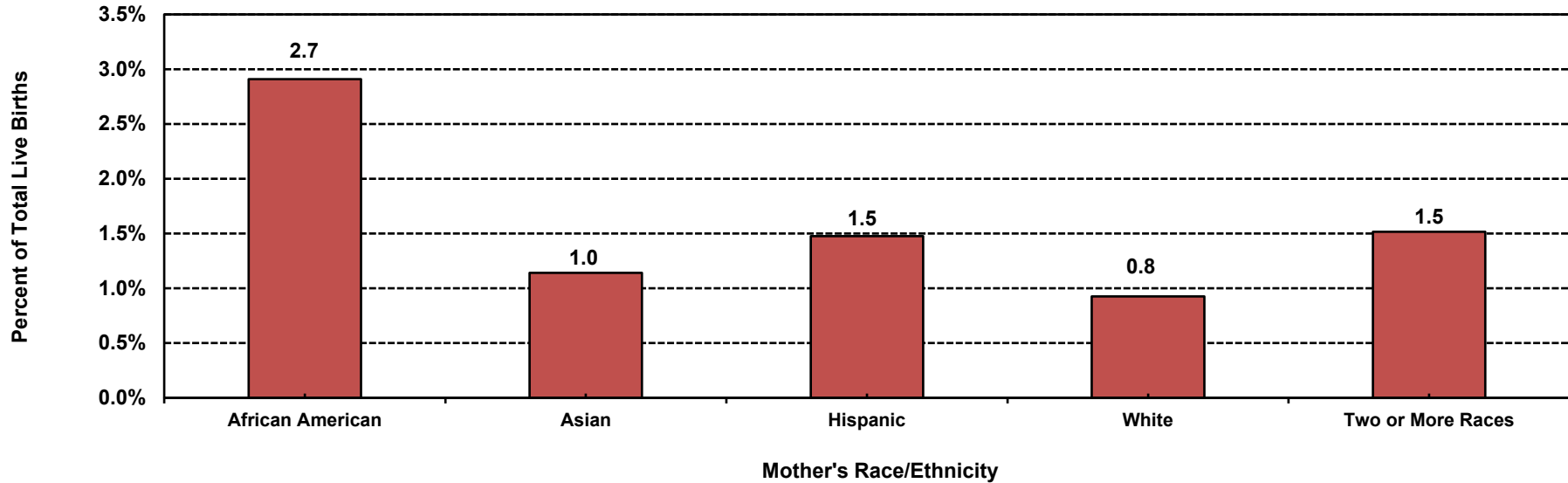
Early Preterm Live Births as a Percent of Total Live Births Los Angeles County, 2011-2020

Los Angeles County



Note: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.
Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.
Sources: California Integrated Vital Records System, 2018-2020
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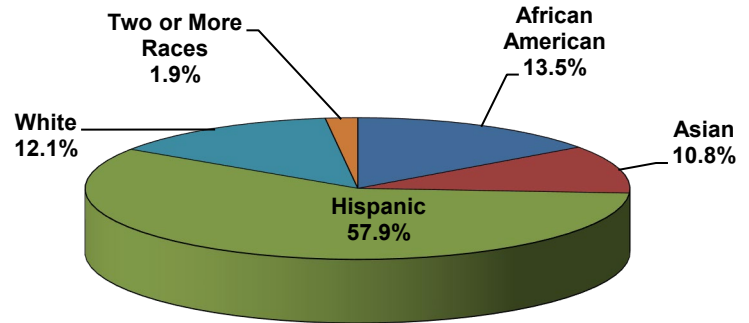
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Race/Ethnicity	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	205	2.9	2.5	3.3
Asian	149	1.1	1.0	1.3
Hispanic	791	1.5	1.4	1.6
Native American	<5	N/C	N/C	N/C
White	187	0.9	0.8	1.1
Two or More Races	26	1.5	0.9	2.1
Pacific Islander	<5	N/C	N/C	N/C
Other/ Unknown	50	2.5	1.8	3.2
Total	1,419	1.4	1.4	1.5

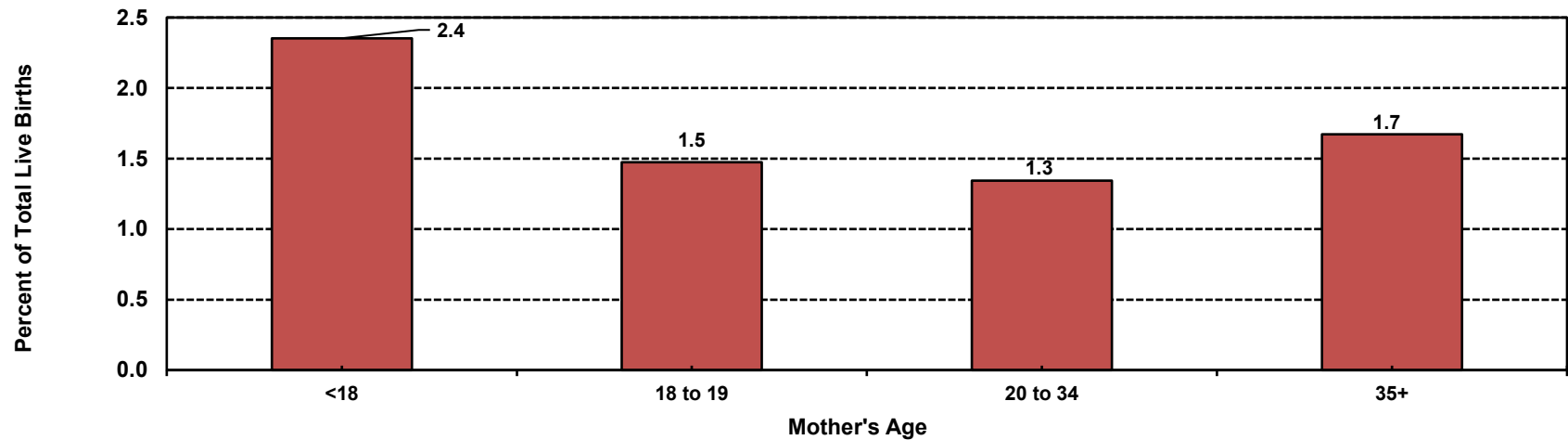
Total Live Births
7,085
13,062
53,604
139
20,222
1,714
208
1,987
98,021

**Distribution of Early Preterm Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**



Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.
 Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.
 Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.
 Source: California Integrated Vital Records System, 2020

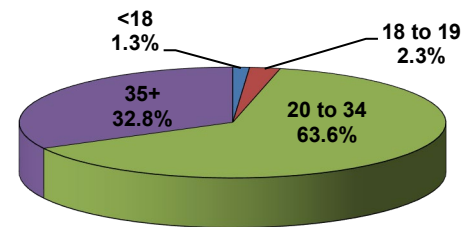
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Age	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	18	2.4	1.3	3.4
18 to 19	33	1.5	1.0	2.0
20 to 34	903	1.3	1.3	1.4
35+	465	1.7	1.5	1.8
Other/Unknown	<5	N/C	N/C	N/C
Total	1,419	1.4	1.4	1.5

Total Live Births
765
2,238
67,210
27,803
5
98,021

**Distribution of Early Preterm Live Births
by Mother's Age
Los Angeles County, 2020**



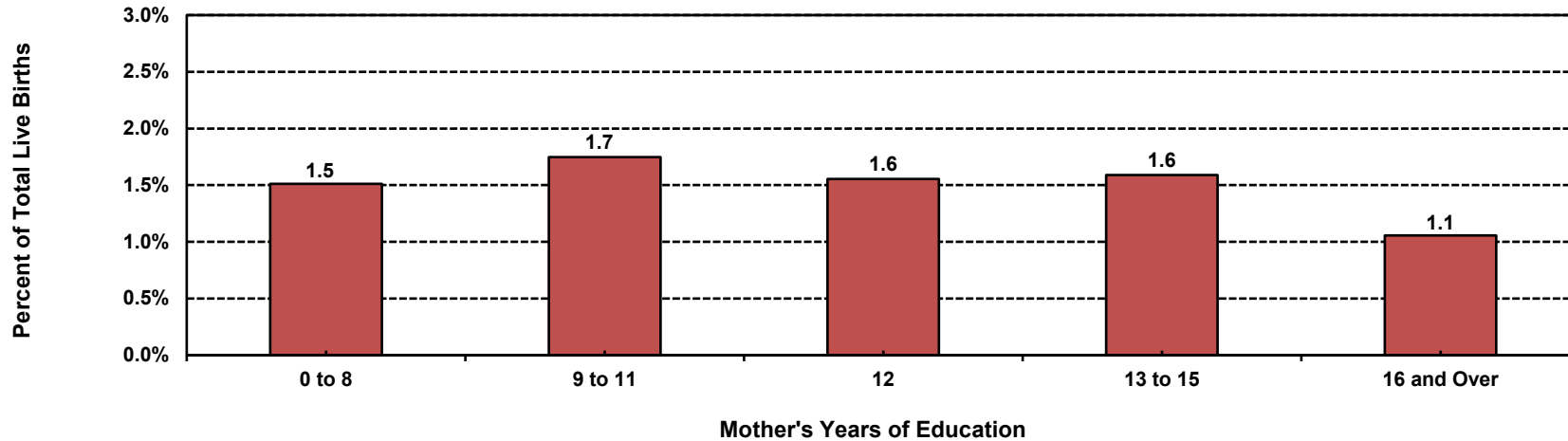
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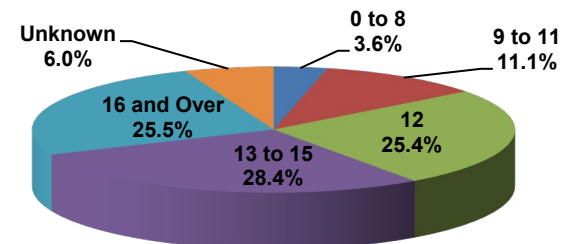
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Years of Education	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	51	1.5	1.1	1.9
9 to 11	157	1.7	1.5	2.0
12	361	1.6	1.4	1.7
13 to 15	403	1.6	1.4	1.7
16 and Over	362	1.1	0.9	1.2
Unknown	85	3.0	2.4	3.6
Total	1,419	1.4	1.4	1.5

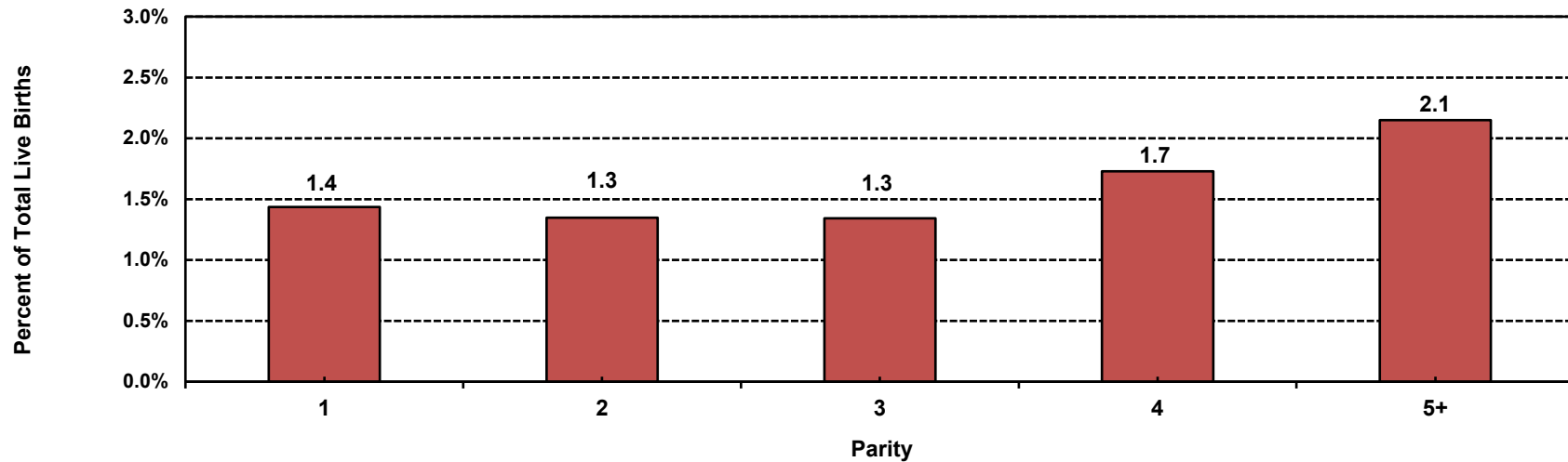
Total Live Births
3,375
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23,218
25,376
34,230
2,840
98,021

**Distribution of Early Preterm Live Births
by Mother's Years of Education
Los Angeles County, 2020**



Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.
 Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.
 This analysis did not adjust for teen mothers who may not have been old enough to have reached a higher categorical education level.
 Source: California Integrated Vital Records System, 2020

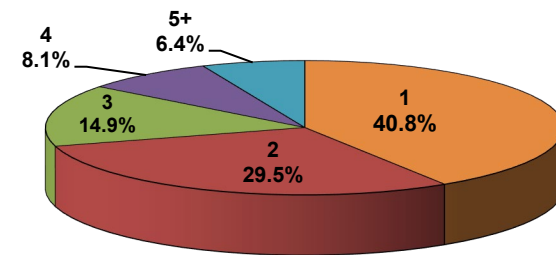
**Early Preterm Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2020**



Los Angeles County, 2020				
Parity	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	579	1.4	1.3	1.6
2	418	1.3	1.2	1.5
3	211	1.3	1.2	1.5
4	115	1.7	1.4	2.0
5+	91	2.1	1.7	2.6
Unknown	<5	N/C	N/C	N/C
Total	1,419	1.4	1.4	1.5

Total Live Births
40,317
31,033
15,724
6,655
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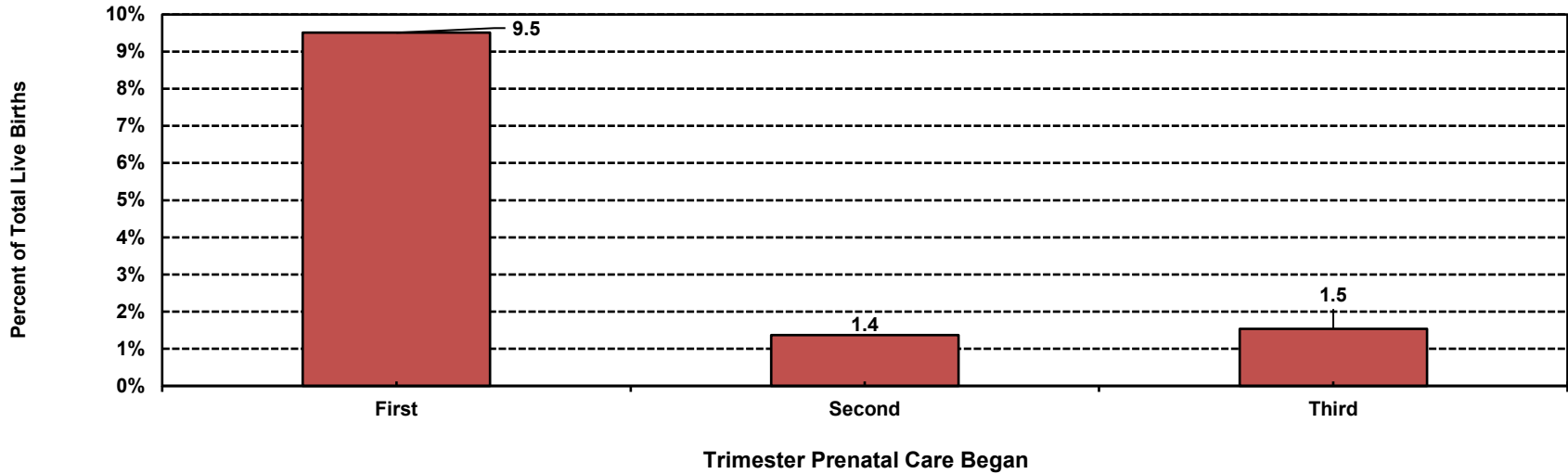
**Distribution of Early Preterm Live Births
by Parity
Los Angeles County, 2020**



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 Parity is defined as the number of pregnancies resulting in live births to a woman.

Source: California Integrated Vital Records System, 2020

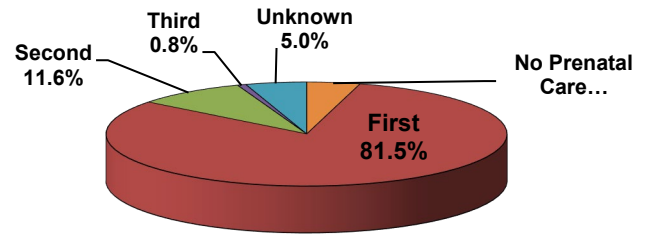
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Trimester Prenatal Care Began	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	62	9.5	7.3	11.8
First	1,172	1.4	1.3	1.4
Second	128	1.5	1.3	1.8
Third	10	0.5	0.2	0.9
Unknown	47	3.4	2.4	4.4
Total	1,419	1.4	1.4	1.5

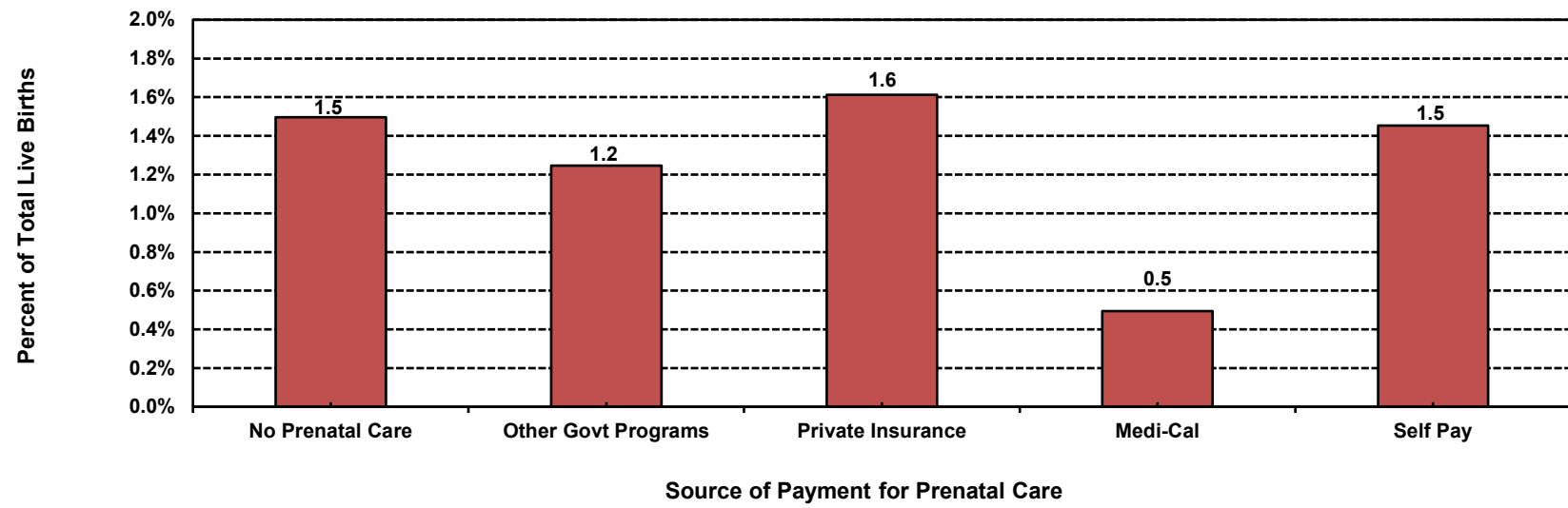
Total Live Births
652
85,787
8,349
1,849
1,384
98,021

**Distribution of Early Preterm Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2020**



Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.
 Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.
 "Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.
 Source: California Integrated Vital Records System, 2020

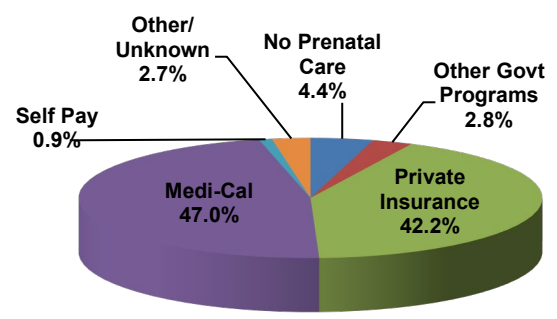
**Early Preterm Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2020**



Los Angeles County, 2020				
Source of Payment for Prenatal Care	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	62	1.6	1.5	1.7
Other Govt Programs	40	1.5	1.0	2.0
Private Insurance	599	1.2	1.1	1.3
Medi-Cal	667	1.6	1.5	1.7
Self Pay	13	0.5	0.2	0.8
Other/ Unknown	38	1.5	1.0	1.9
Total	1,419	1.4	1.4	1.5

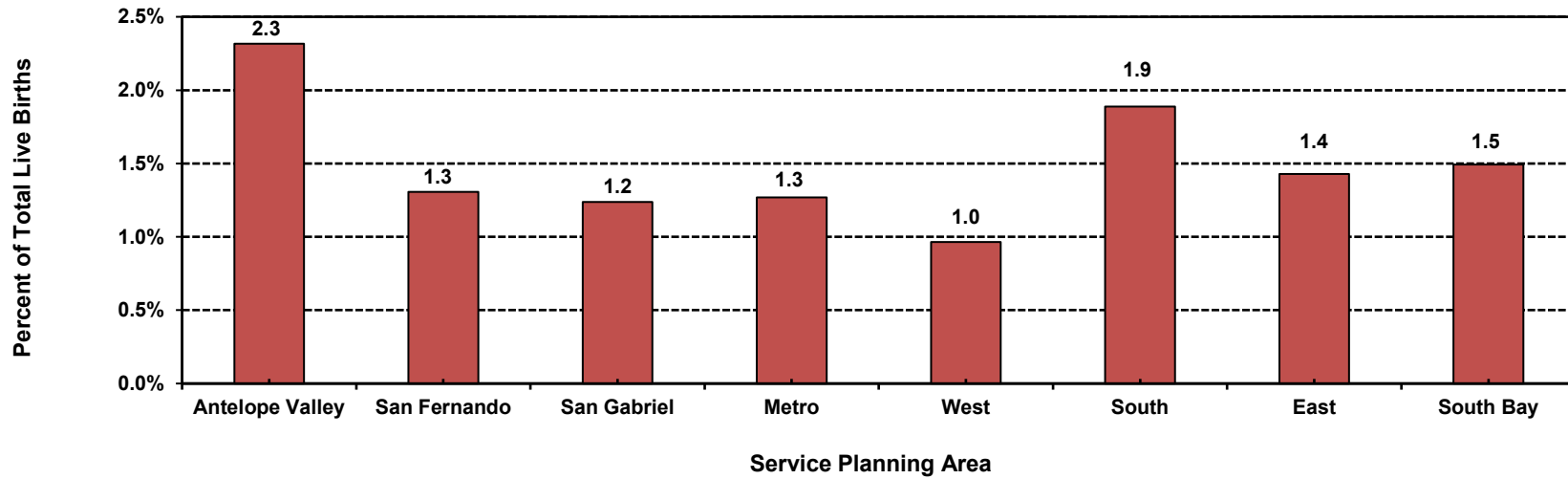
Total Live Births
652
2,672
48,090
41,366
2,625
2,616
98,021

**Distribution of Early Preterm Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2020**



Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.
 Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.
 "Source of Payment for Prenatal Care (PNC)" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.
 Source: California Integrated Vital Records System, 2020

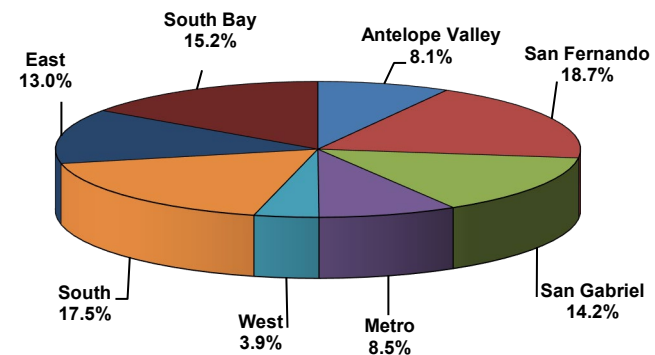
**Early Preterm Births as a Percent of Total Live Births
by Service Planning Area
Los Angeles County, 2020**



Los Angeles County, 2020				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	115	2.3	1.9	2.7
San Fernando	266	1.3	1.2	1.5
San Gabriel	202	1.2	1.1	1.4
Metro	120	1.3	1.0	1.5
West	56	1.0	0.7	1.2
South	249	1.9	1.7	2.1
East	184	1.4	1.2	1.6
South Bay	216	1.5	1.3	1.7
Unknown	11	1.8	0.8	2.9
Total	1,419	1.4	1.4	1.5

Total Live Births
4,965
20,366
16,314
9,454
5,800
13,181
12,872
14,472
597
98,021

**Distribution of Early Preterm Live Births
by Service Planning Area
Los Angeles County, 2020**



Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.

Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.

The residential zip codes of the mother were used to allocate live births to corresponding SPA. SPA corresponding to each zip code (published in 2010) were designated using the zip code centroids. Published statistics based on other corresponding table may vary when compared. Records that cannot be assigned to any SPA are classified as "Unknown".

Source: California Integrated Vital Records System, 2020