

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 2030 OBJECTIVE:

Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

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
2012	42,427	8.4	8.3	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	8.7	8.8	9,037	9.2	9.0	9.4
2021	38,443	9.1	9.0	9.2	9,023	9.4	9.2	9.6

Denominator: Live Births		
Year	California	LA County
2012	503,788	131,697
2013	494,392	128,526
2014	502,879	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	420,259	98,021
2021	420,806	96,230

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.

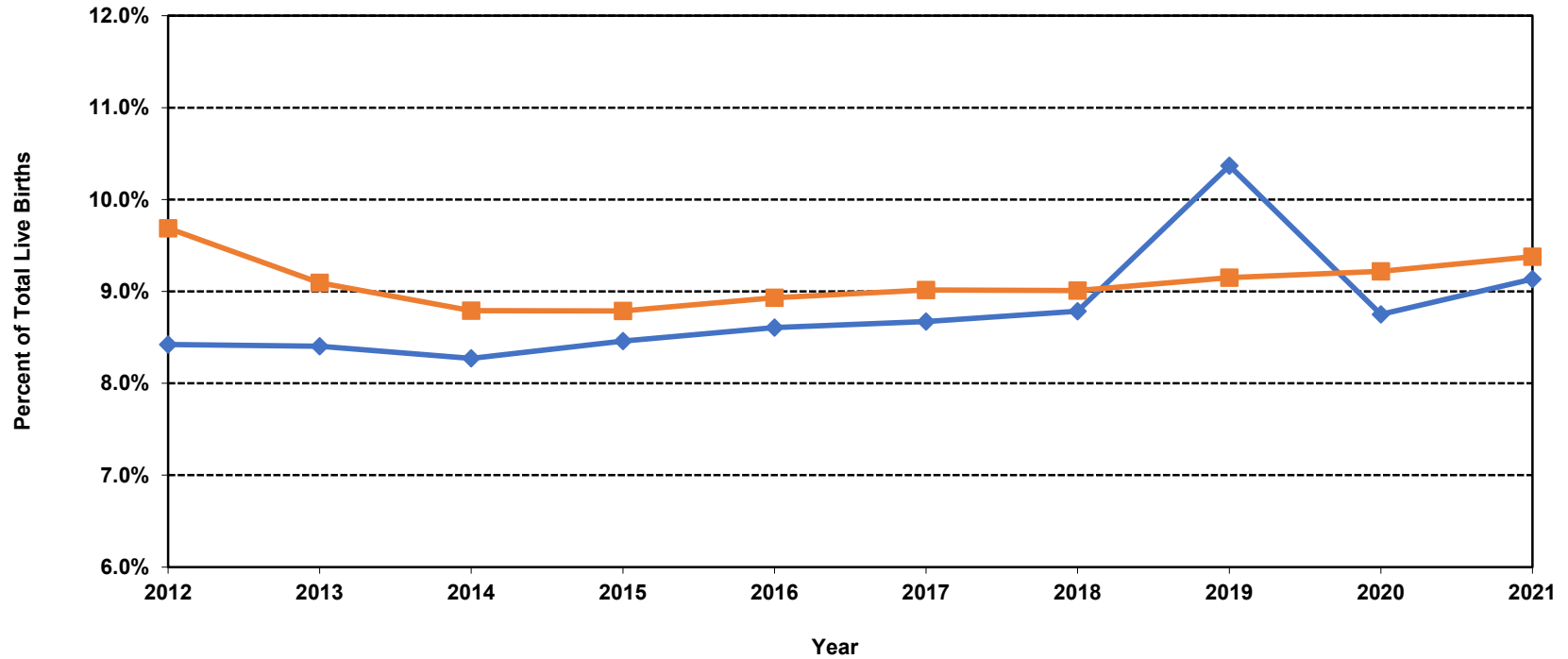
Sources: California Integrated Vital Records System, 2018-2021

National Vital Statistics System, Natality on CDC WONDER Online Database. Data are from state 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, 2012-2021

California Los Angeles County



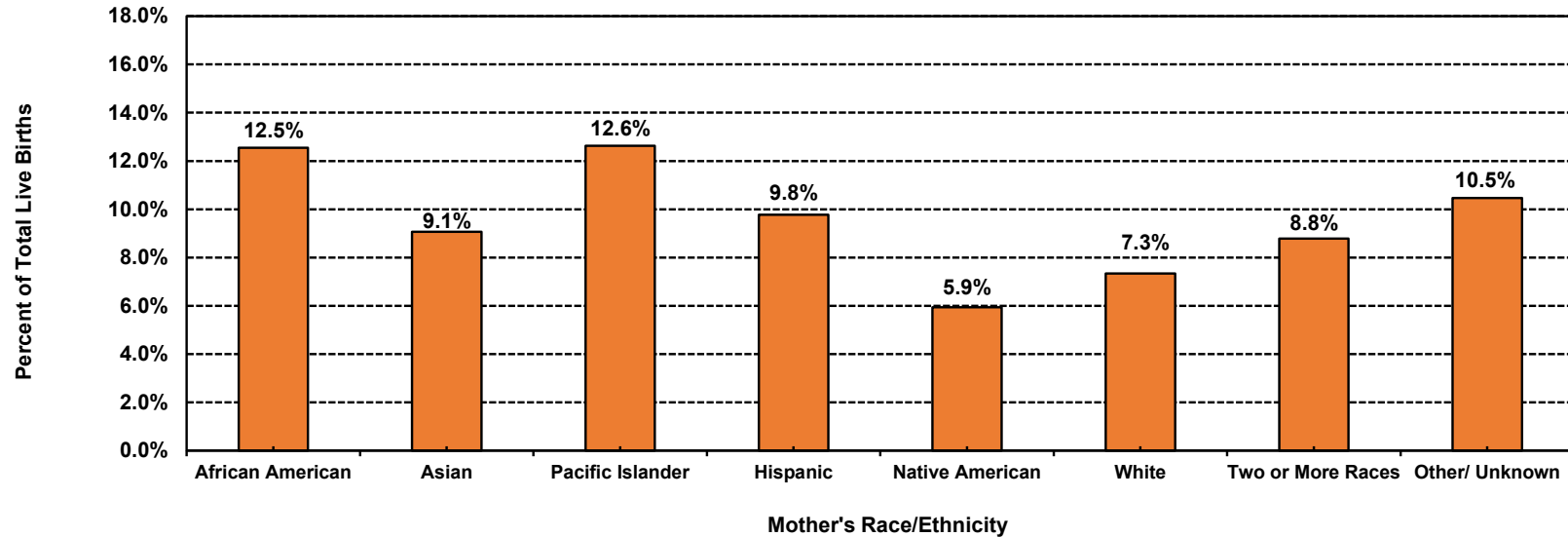
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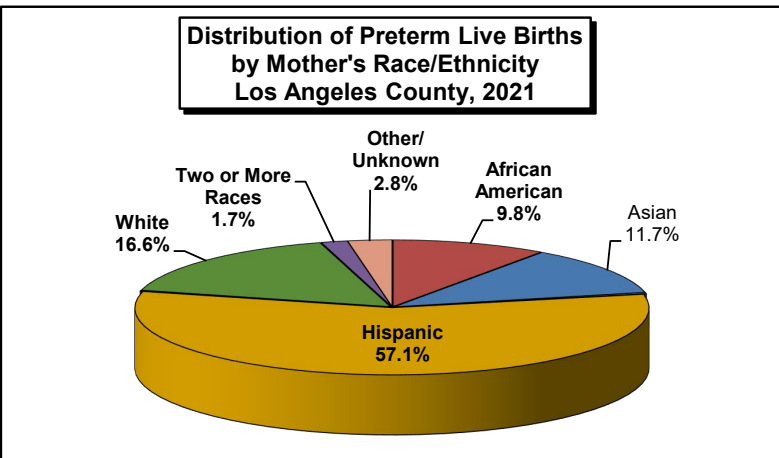
Sources: California Integrated Vital Records System, 2018-2021

National Vital Statistics System, Natality on CDC WONDER Online Database. Data are from state Natality Records. Accessed at <http://wonder.cdc.gov/natality-expanded-current.html>

**Preterm Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2021**

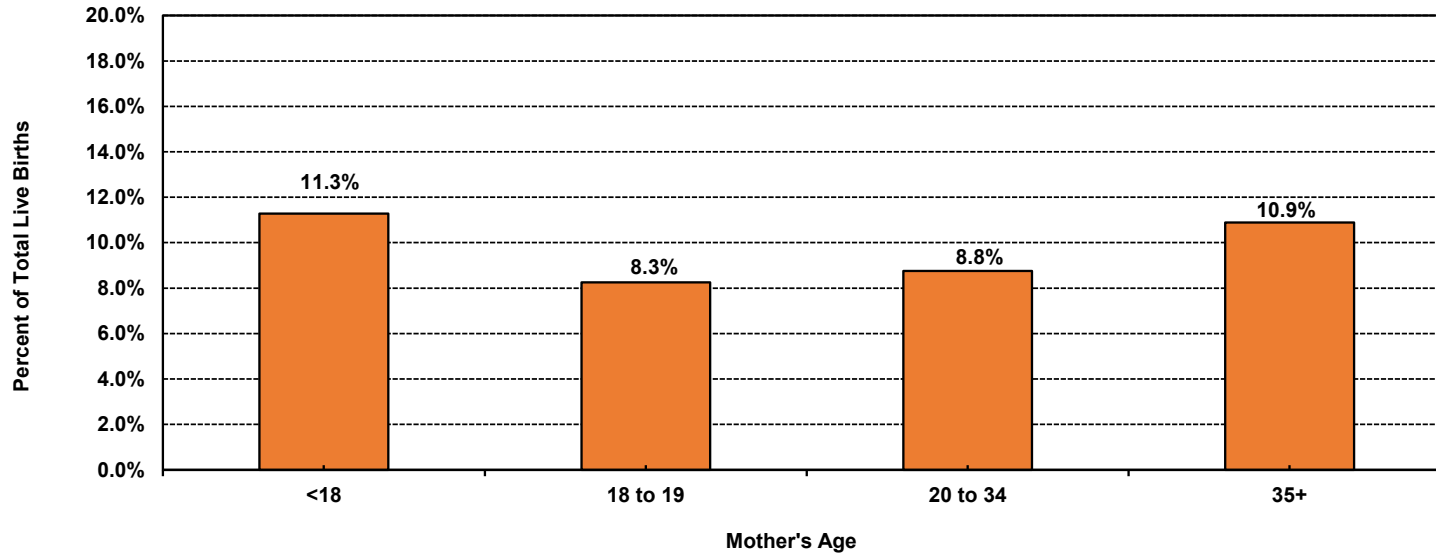


Los Angeles County, 2021					
Mother's Race/Ethnicity	Preterm Live Births		95% Confidence Interval		Denominator: Total Live Births
	Number	Percent	Lower	Upper	
African American	883	12.5	11.8	13.3	7,039
Asian	1,058	9.1	8.5	9.6	11,670
Pacific Islander	24	12.6	7.9	17.4	190
Hispanic	5,155	9.8	9.5	10.0	52,733
Native American	7	5.9	1.7	10.2	118
White	1,497	7.3	7.0	7.7	20,393
Two or More Races	149	8.8	7.4	10.1	1,697
Other/ Unknown	250	10.5	9.2	11.7	2,390
Total	9,023	9.4	9.2	9.6	96,230



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, 2021

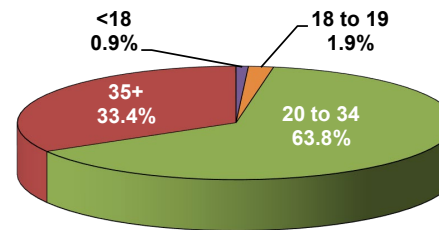
**Preterm Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2021**



Los Angeles County, 2021				
Mother's Age	Preterm Live Birth		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	82	11.3	9.0	13.6
18 to 19	167	8.3	7.1	9.5
20 to 34	5,758	8.8	8.5	9.0
35+	3,015	10.9	10.5	11.2
Other/ Unknown	<5	N/C	N/C	N/C
Total	9,023	9.4	9.2	9.6

Denominator: Total Live Births
N/C
2,023
65,770
27,705
N/C
96,230

**Distribution of Preterm Live Births
by Mother's Age
Los Angeles County, 2021**



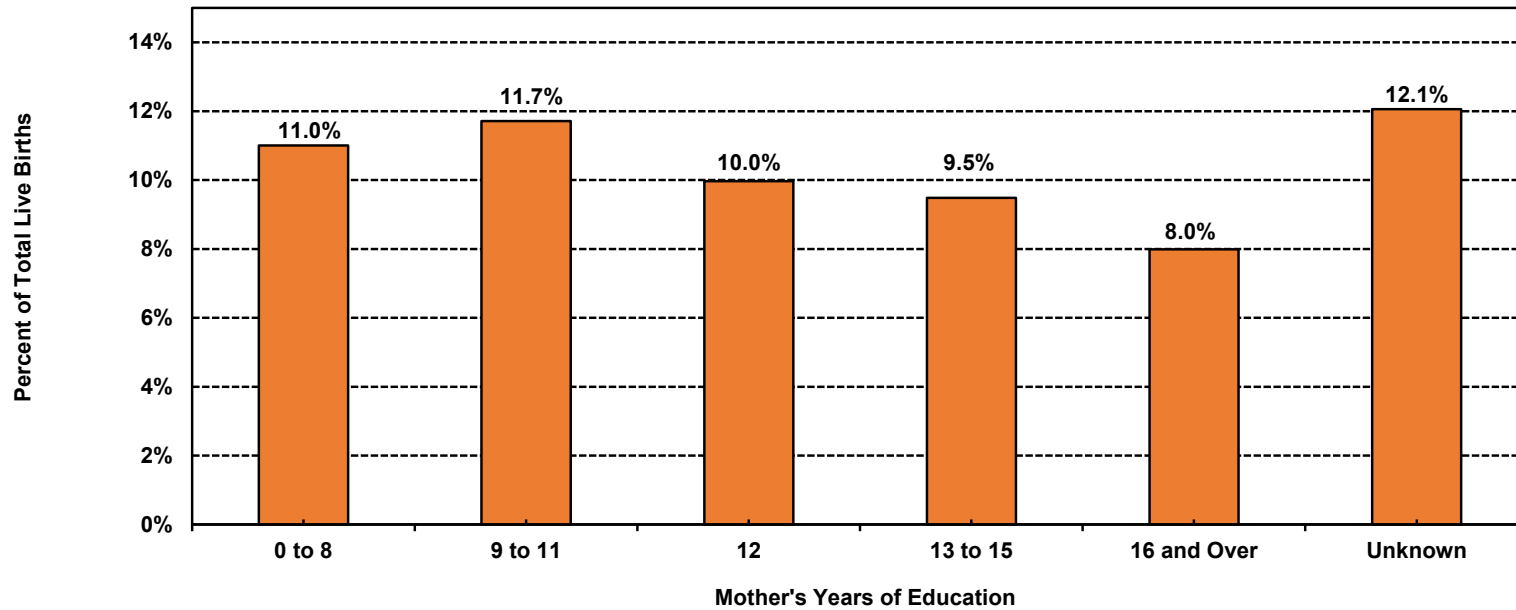
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Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.
"Total Live Births" for the <18 category for "Mother's Age" is also suppressed to protect the confidentiality of individuals categorized as "Other/Unknown".

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, 2021

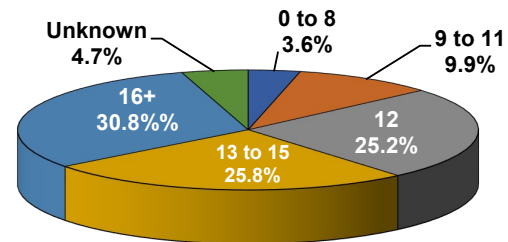
**Preterm Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2021**



Los Angeles County, 2021				
Mother's Years of Education	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	329	11.0	9.9	12.1
9 to 11	897	11.7	11.0	12.4
12	2,272	10.0	9.6	10.4
13 to 15	2,326	9.5	9.1	9.8
16 and Over	2,779	8.0	7.7	8.3
Unknown	420	12.1	11.0	13.1
Total	9,023	9.4	9.2	9.6

Total Live Births
2,989
7,655
22,787
24,531
34,785
3,483
96,230

**Distribution of Preterm Live Births
by Mother's Years of Education
Los Angeles County, 2021**



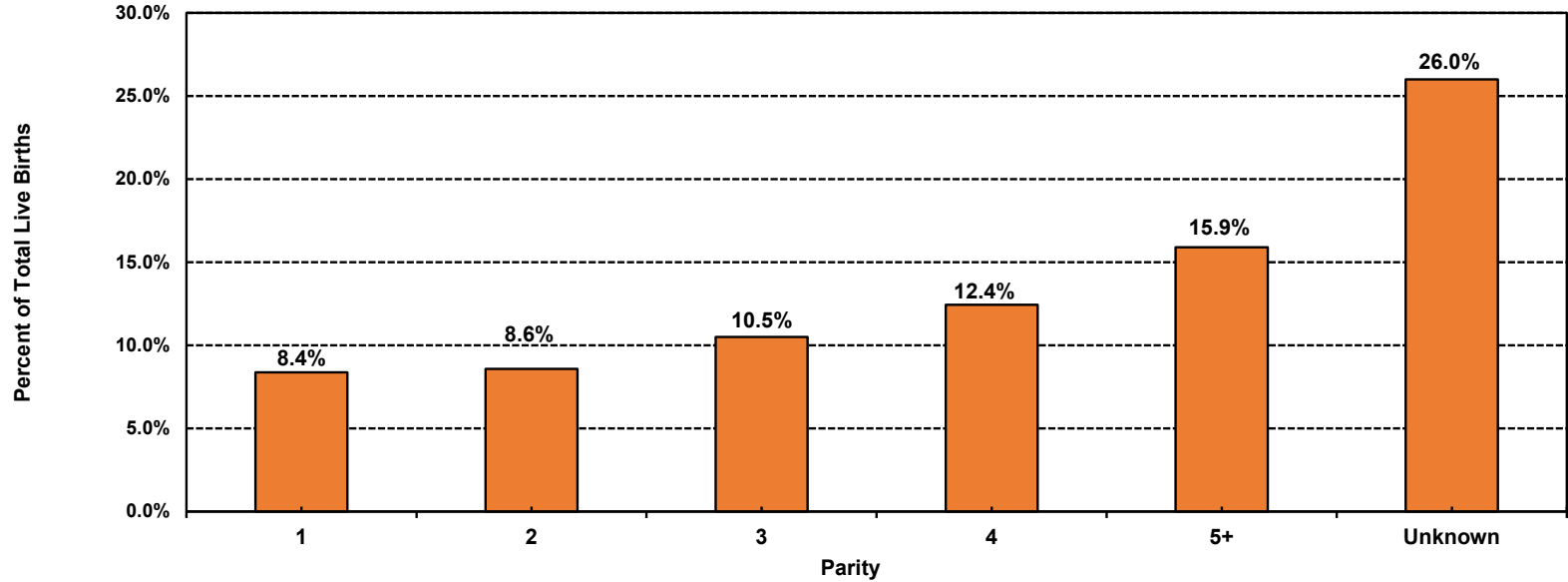
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

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, 2021

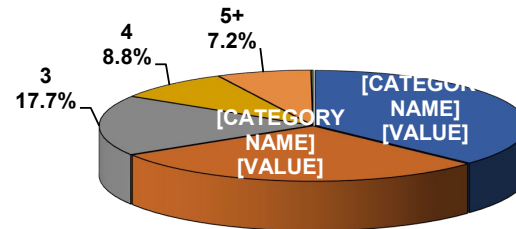
**Preterm Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2021**



Los Angeles County, 2021				
Parity	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	3,340	8.4	8.1	8.6
2	2,630	8.6	8.3	8.9
3	1,596	10.5	10.0	11.0
4	795	12.4	11.6	13.2
5+	649	15.9	14.8	17.0
Unknown	13	26.0	13.8	38.2
Total	9,023	9.4	9.2	9.6

Total Live Births
39,873
30,624
15,208
6,395
4,080
50
96,230

**Distribution of Preterm Live Births
by Parity
Los Angeles County, 2021**



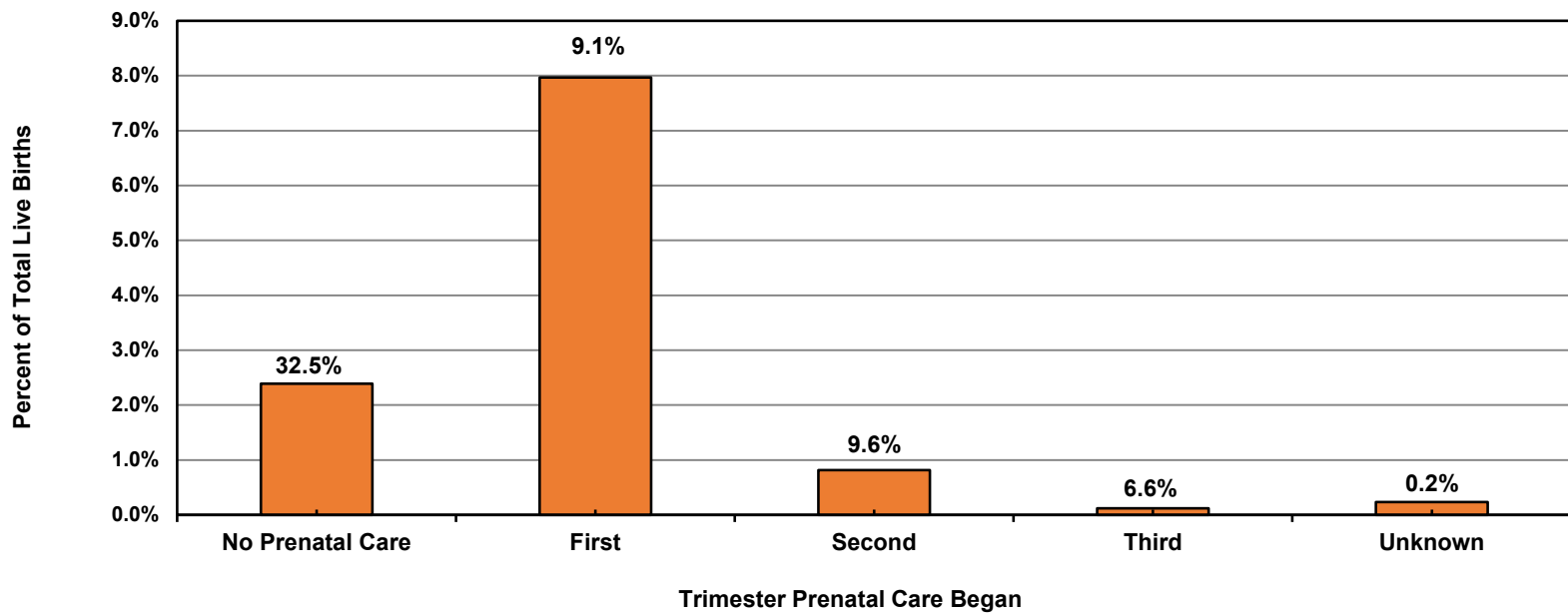
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

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, 2021

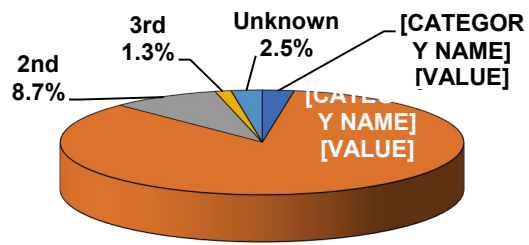
**Preterm Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2021**



Los Angeles County, 2021				
Mother's Trimester Prenatal Care Began	Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	230	2.4	1.3	3.5
First	7,667	8.0	7.8	8.2
Second	786	0.8	0.6	1.0
Third	116	0.1	0.0	0.3
Unknown	224	0.2	0.0	0.5
Total	9,023	9.4	9.2	9.6

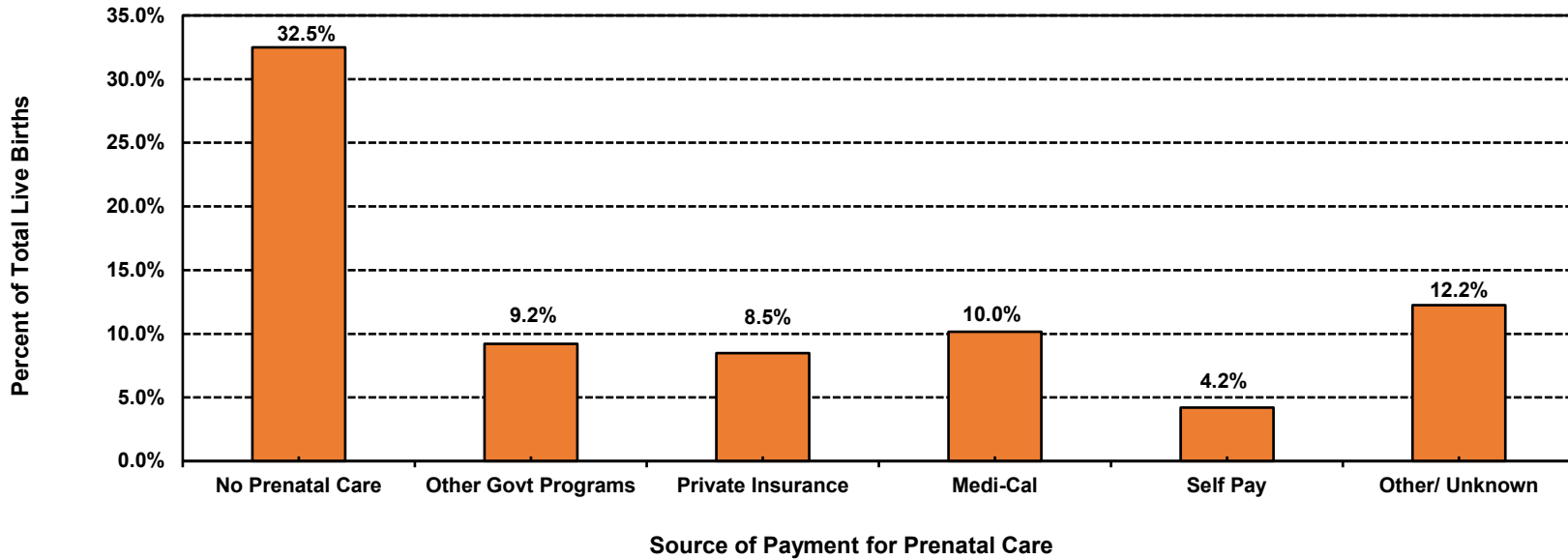
Total Live Births
708
84,202
8,184
1,767
1,369
96,230

**Distribution of Preterm Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2021**



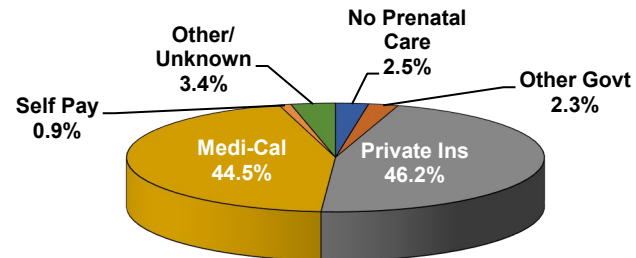
Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.
Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate beginning in 2015.
Source: California Integrated Vital Records System, 2021

**Preterm Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2021**



Los Angeles County, 2021					Total Live Births
Source of Payment for Prenatal Care	Preterm Live Births		95% Confidence Interval		
	Number	Percent	Lower	Upper	
No Prenatal Care	230	32.5	29.0	35.9	708
Other Govt Programs	208	9.2	8.0	10.4	2,261
Private Insurance	4,173	8.5	8.2	8.7	49,133
Medi-Cal	4,018	10.1	9.9	10.4	39,596
Self Pay	84	4.2	3.3	5.1	2,001
Other/ Unknown	310	12.2	11.0	13.5	2,531
Total	9,023	9.4	9.2	9.6	96,230

**Distribution of Preterm Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2021**

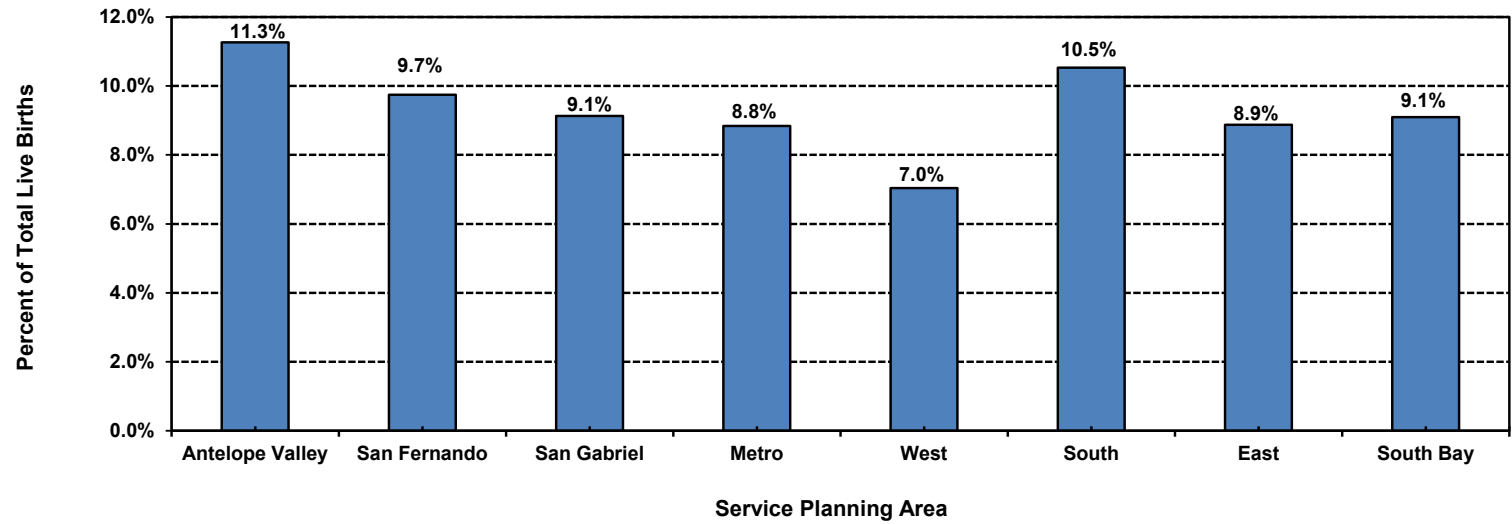


Notes: "Preterm Live Births" is defined as live births occurring between 17 and 36 weeks gestation inclusive.

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, 2021

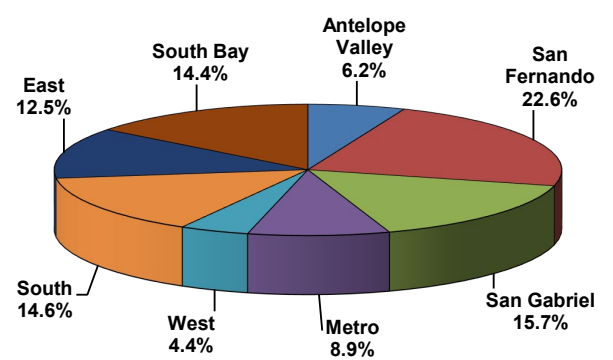
**Preterm Births as a Percent of Total Live Births
by Service Planning Area
Los Angeles County, 2021**



Los Angeles County, 2021				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	556	11.3	10.4	12.1
San Fernando	2,038	9.7	9.3	10.1
San Gabriel	1,421	9.1	8.7	9.6
Metro	807	8.8	8.3	9.4
West	395	7.0	6.4	7.7
South	1,316	10.5	10.0	11.1
East	1,125	8.9	8.4	9.4
South Bay	1,303	9.1	8.6	9.6
Unknown	62	10.7	8.2	13.3
Total	9,023	9.4	9.2	9.6

Denominator: Total Live Births
4,937
20,910
15,568
9,125
5,609
12,497
12,678
14,329
577
96,230

**Distribution of Preterm Live Births
by Service Planning Area
Los Angeles County, 2021**



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, 2021

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 2030 OBJECTIVE:

Reduce preterm live births to an incidence of no more than 9.4 percent of live births.

Year	Los Angeles County			
	Early Preterm		95% Confidence Interval	
	Number	Percent	Lower	Upper
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
2021	1,429	1.5	1.4	1.6

Denominator: Los Angeles County Live Births	
Year	LA County
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
2021	96,230

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

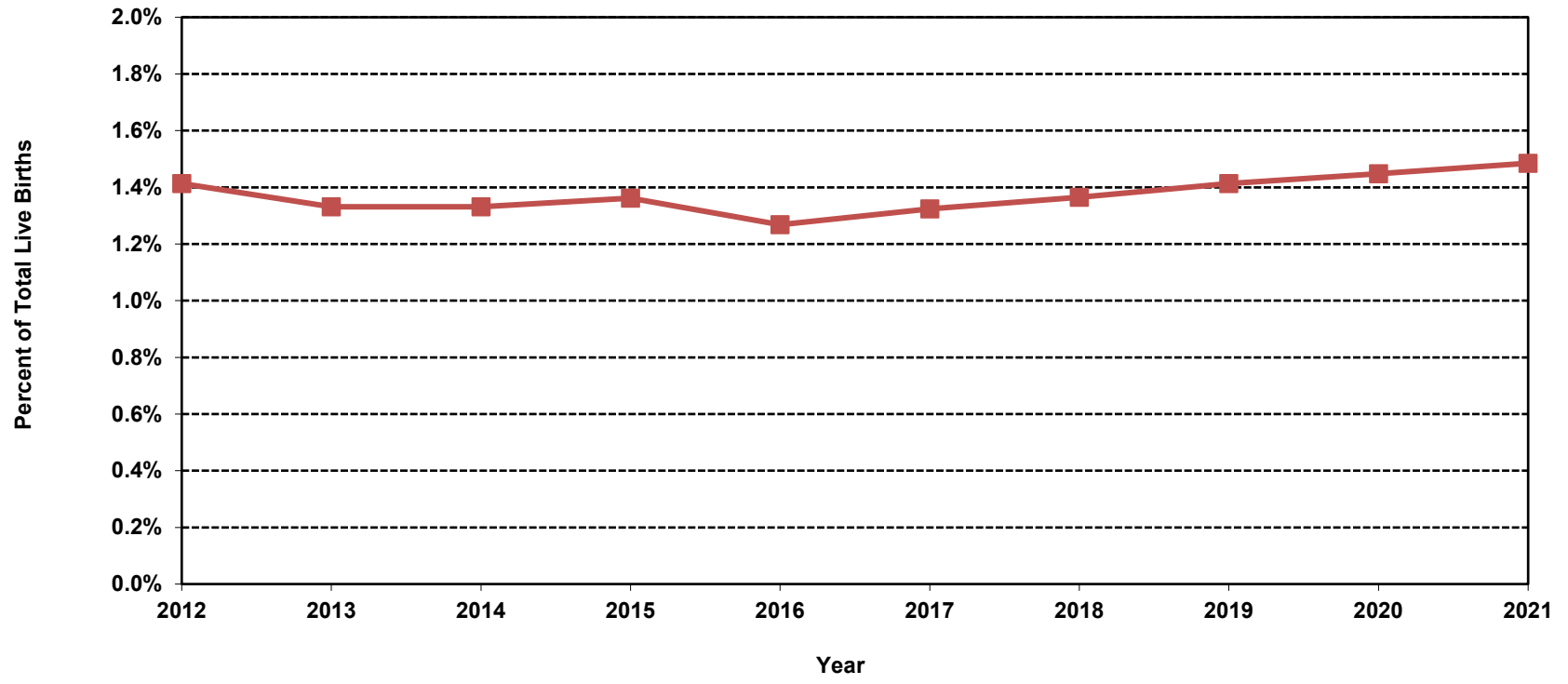
Gestation calculated based on last menses in years 2010-2014. Gestation calculated based on obstetrical estimate in beginning in 2015.

Sources: California Integrated Vital Records System, 2018-2021

California Department of Public Health, Birth Statistical Master Files, 2012-2017

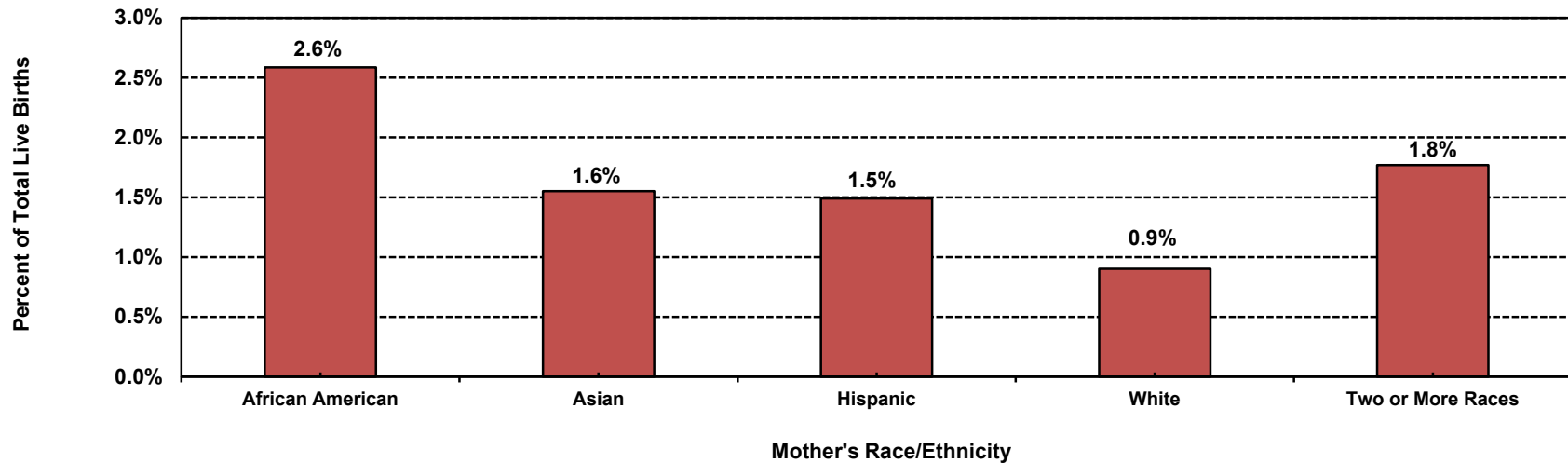
**Early Preterm Live Births as a Percent of Total Live Births
Los Angeles County, 2012-2021**

—■— Los Angeles County



Source: California Integrated Vital Records System, 2018-2021

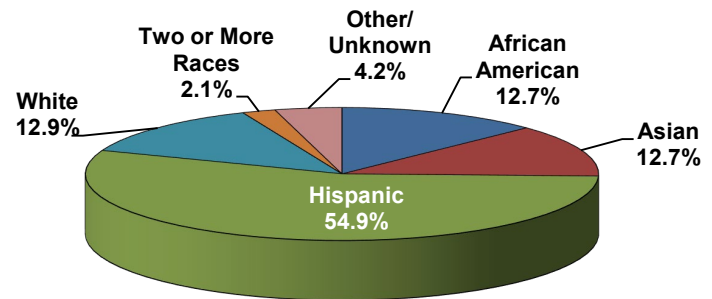
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2021**



Los Angeles County, 2021				
Mother's Race/Ethnicity	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	182	2.6	2.2	3.0
Asian	181	1.6	1.3	1.8
Hispanic	785	1.5	1.4	1.6
Native American	<5	N/C	N/C	N/C
White	184	0.9	0.8	1.0
Two or More Races	30	1.8	1.1	2.4
Pacific Islander	<5	N/C	N/C	N/C
Other/ Unknown	60	2.5	1.9	3.1
Total	1,429	1.5	1.4	1.6

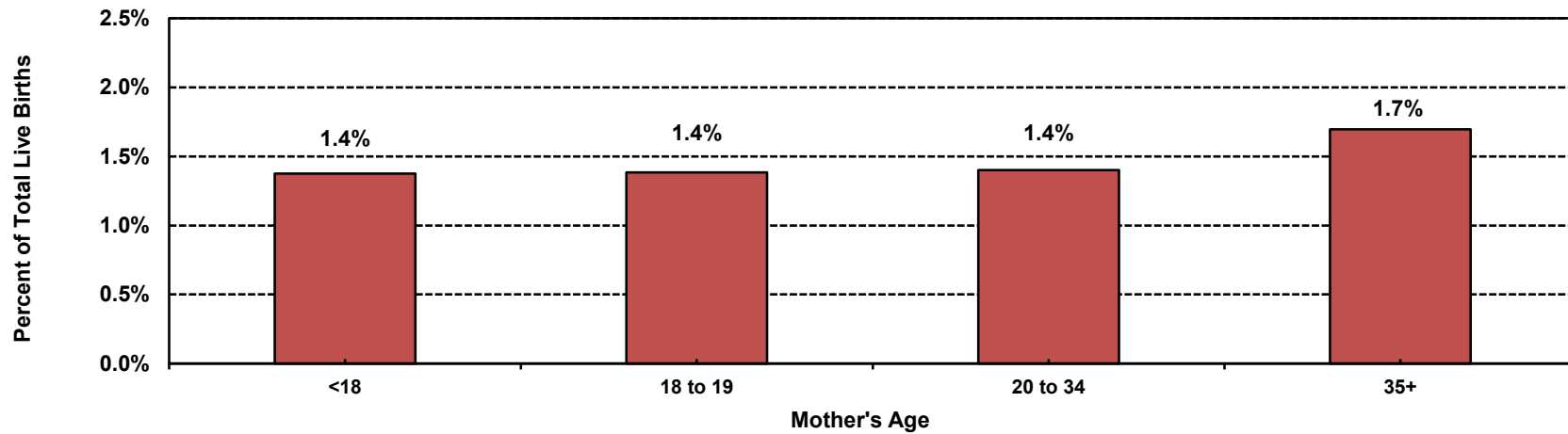
Denominator: Total Live Births
7,039
11,670
52,733
118
20,393
1,697
190
2,390
96,230

**Distribution of Early Preterm Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2021**



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, 2021

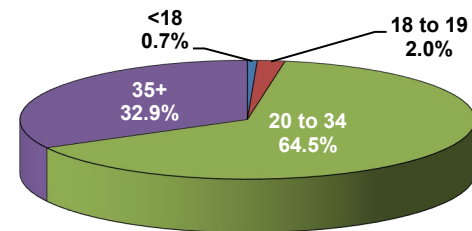
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2021**



Los Angeles County, 2021				
Mother's Age	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	10	1.4	0.5	2.2
18 to 19	28	1.4	0.9	1.9
20 to 34	921	1.4	1.3	1.5
35+	470	1.7	1.5	1.8
Other/Unknown	<5	N/C	N/C	N/C
Total	1,429	1.5	1.4	1.6

Total Live Births
N/C
2,023
65,770
27,705
N/C
96,230

**Distribution of Early Preterm Live Births
by Mother's Age
Los Angeles County, 2021**



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

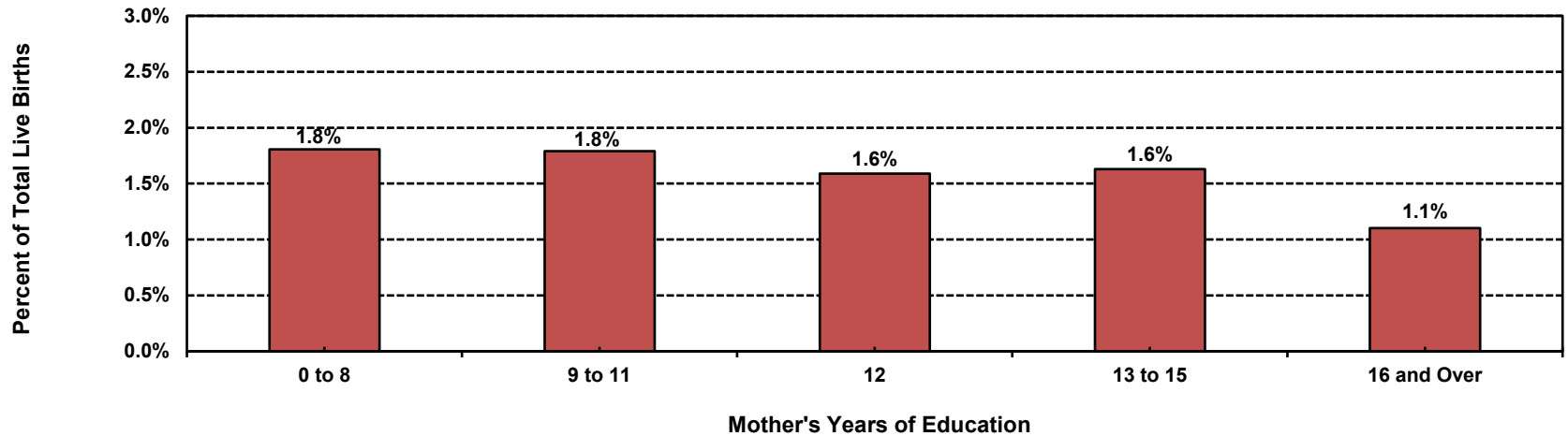
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"Total Live Births" for the <18 category for "Mother's Age" is also suppressed to protect the confidentiality of individuals categorized as "Other/Unknown".

Source: California Integrated Vital Records System, 2021

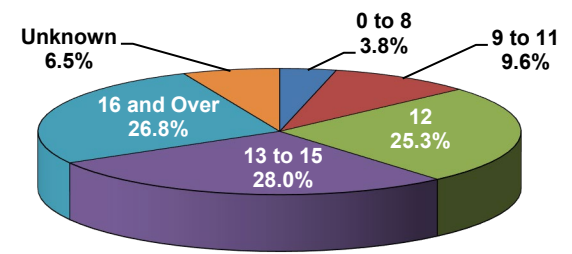
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2021**



Los Angeles County, 2021				
Mother's Years of Education	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	54	1.8	1.3	2.3
9 to 11	137	1.8	1.5	2.1
12	362	1.6	1.4	1.8
13 to 15	400	1.6	1.5	1.8
16 and Over	383	1.1	1.0	1.2
Unknown	93	2.7	2.1	3.2
Total	1,429	1.5	1.4	1.6

Total Live Births
2,989
7,655
22,787
24,531
34,785
3,483
96,230

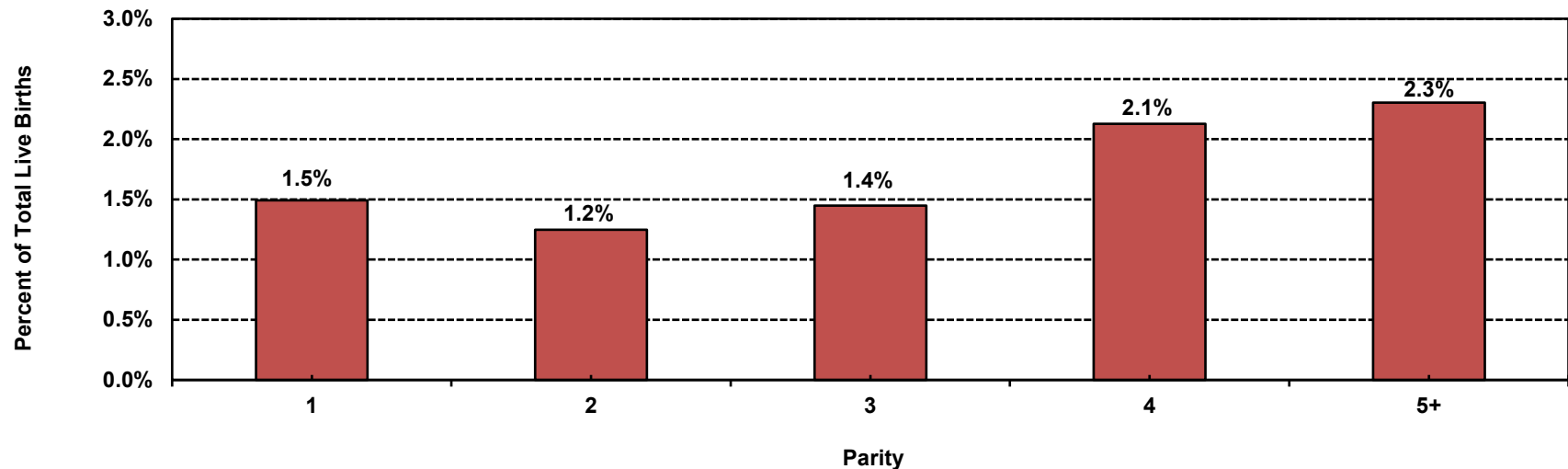
**Distribution of Early Preterm Live Births
by Mother's Years of Education
Los Angeles County, 2021**



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, 2021

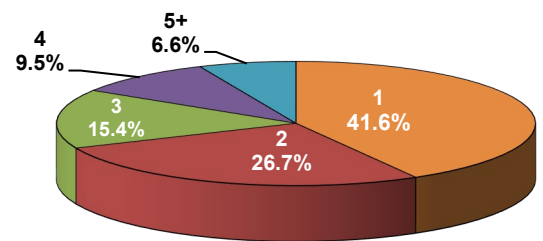
**Early Preterm Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2021**



Los Angeles County, 2021				
Parity	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	595	1.5	1.4	1.6
2	382	1.2	1.1	1.4
3	220	1.4	1.3	1.6
4	136	2.1	1.8	2.5
5+	94	2.3	1.8	2.8
Unknown	<5	N/C	N/C	N/C
Total	1,429	1.5	1.4	1.6

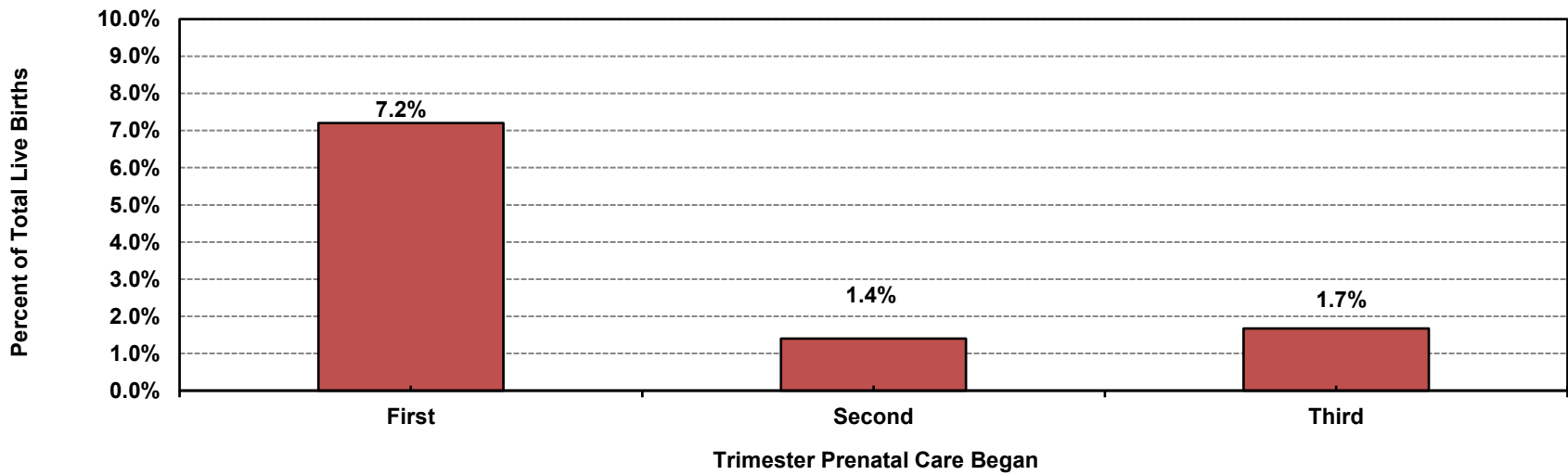
Total Live Births
39,873
30,624
15,208
6,395
4,080
50
96,230

**Distribution of Early Preterm Live Births
by Parity
Los Angeles County, 2021**



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Source: California Integrated Vital Records System, 2021

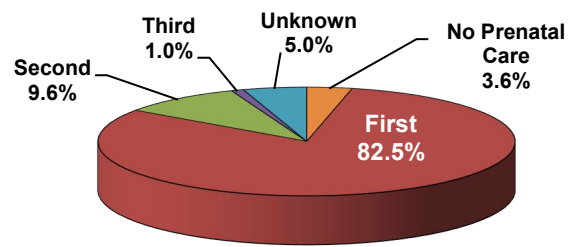
**Early Preterm Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2021**



Los Angeles County, 2021				
Mother's Trimester Prenatal Care Began	Early Preterm Live Births		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	51	7.2	5.3	9.1
First	1,179	1.4	1.3	1.5
Second	137	1.7	1.4	2.0
Third	14	0.8	0.4	1.2
Unknown	48	3.5	2.5	4.5
Total	1,429	1.5	1.4	1.6

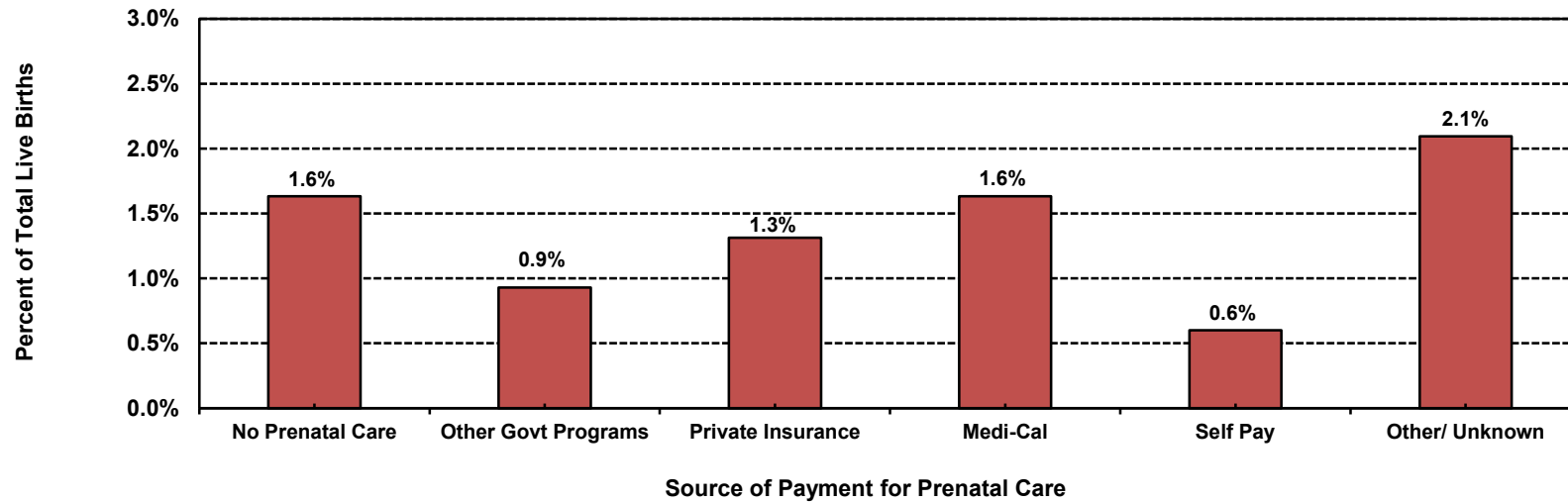
Total Live Births
708
84,202
8,184
1,767
1,369
96,230

**Distribution of Early Preterm Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2021**



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: California Integrated Vital Records System, 2021

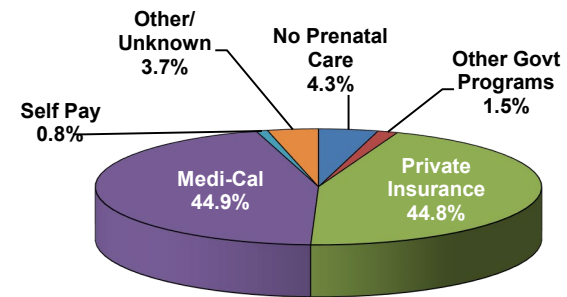
**Early Preterm Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2021**



Los Angeles County, 2021				
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	1.8
Other Govt Programs	21	0.9	0.5	1.3
Private Insurance	645	1.3	1.2	1.4
Medi-Cal	647	1.6	1.5	1.8
Self Pay	12	0.6	0.3	0.9
Other/ Unknown	53	2.1	1.5	2.7
Total	1,440	1.5	1.4	1.6

Total Live Births
708
39,596
2,261
49,133
2,001
2,531
96,230

**Distribution of Early Preterm Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2021**

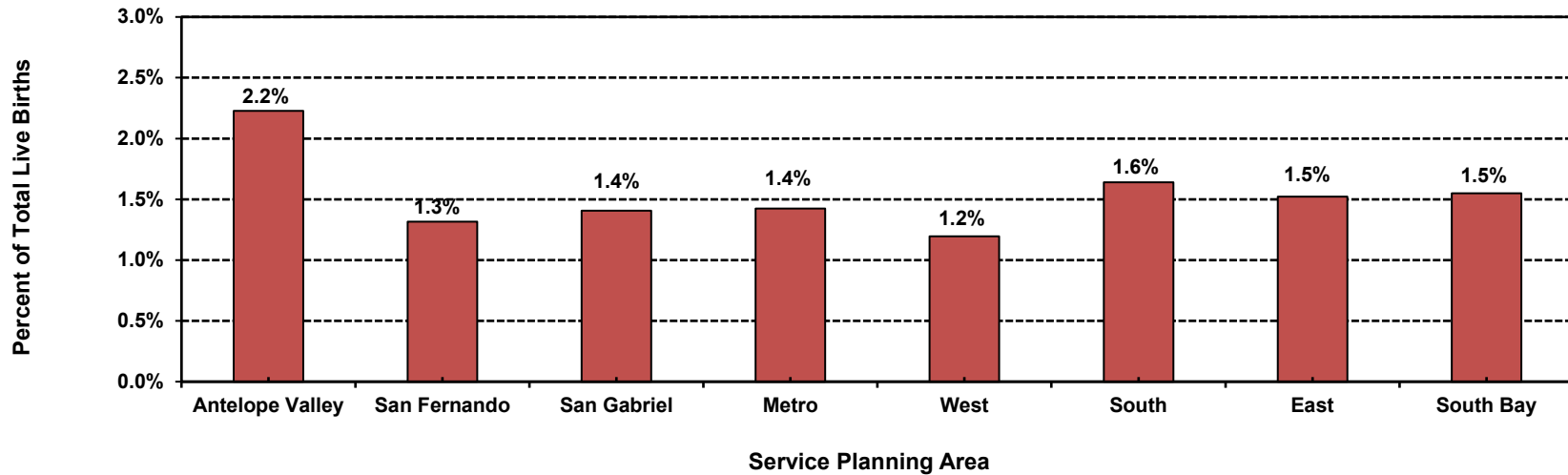


Notes: "Early Preterm Live Births" is defined as live births occurring at less than 32 weeks of gestation.

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

Source: California Integrated Vital Records System, 2021

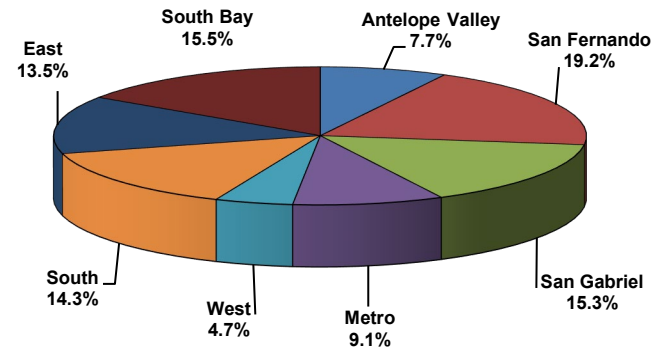
**Early Preterm Births as a Percent of Total Live Births
by Service Planning Area
Los Angeles County, 2021**



Los Angeles County, 2021				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	110	2.2	1.8	2.6
San Fernando	275	1.3	1.2	1.5
San Gabriel	219	1.4	1.2	1.6
Metro	130	1.4	1.2	1.7
West	67	1.2	0.9	1.5
South	205	1.6	1.4	1.9
East	193	1.5	1.3	1.7
South Bay	222	1.5	1.3	1.8
Unknown	8	1.4	0.4	2.3
Total	1,429	1.5	1.4	1.6

Total Live Births
4,937
20,910
15,568
9,125
5,609
12,497
12,678
14,329
577
96,230

**Distribution of Early Preterm Live Births
by Service Planning Area
Los Angeles County, 2021**



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: California Integrated Vital Records System, 2021