

Low Birth Weight

FHOP INDICATOR TEMPLATE

INDICATOR: Percent of Low Birth Weight

DEFINITION: The percent of live births weighing less than 2,500 grams

NUMERATOR: The number of live births weighing less than 2,500 grams, 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 low birth weight births to an incidence of no more than 7.8 percent of live births.
(Baseline: 8.2 percent in 2007) (Objective MICH-8.1)

HEALTHY PEOPLE 2030 OBJECTIVE:

This objective is not included in the list of Healthy People 2030 objectives.

Year	California				Los Angeles County			
	Low Birth Weight		95% Confidence Interval		Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2011	34,017	6.8	6.7	6.8	9,257	7.1	7.0	7.2
2012	33,723	6.7	6.6	6.8	9,151	6.9	6.8	7.1
2013	33,798	6.8	6.8	6.9	9,058	7.0	6.9	7.2
2014	33,586	6.7	6.6	6.7	9,013	6.9	6.8	7.1
2015	33,666	6.8	6.8	6.9	9,100	7.3	7.2	7.5
2016	33,476	6.8	6.8	6.9	8,783	7.1	7.0	7.3
2017	32,451	6.9	6.8	7.0	8,508	7.3	7.1	7.4
2018	31,745	7.0	6.9	7.1	8,079	7.4	7.2	7.5
2019	31,699	7.1	7.0	7.2	7,900	7.4	7.2	7.5
2020	29,061	6.9	6.8	7.0	7,166	7.3	7.1	7.5

Denominator: Live Births		
Year	California	LA County
2011	502,023	130,313
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	109,863
2019	446,479	107,202
2020	421,109	98,021

Notes: Low birth weight is defined as weight of less than 2,500 grams at birth.

For birth weight data shown in 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.

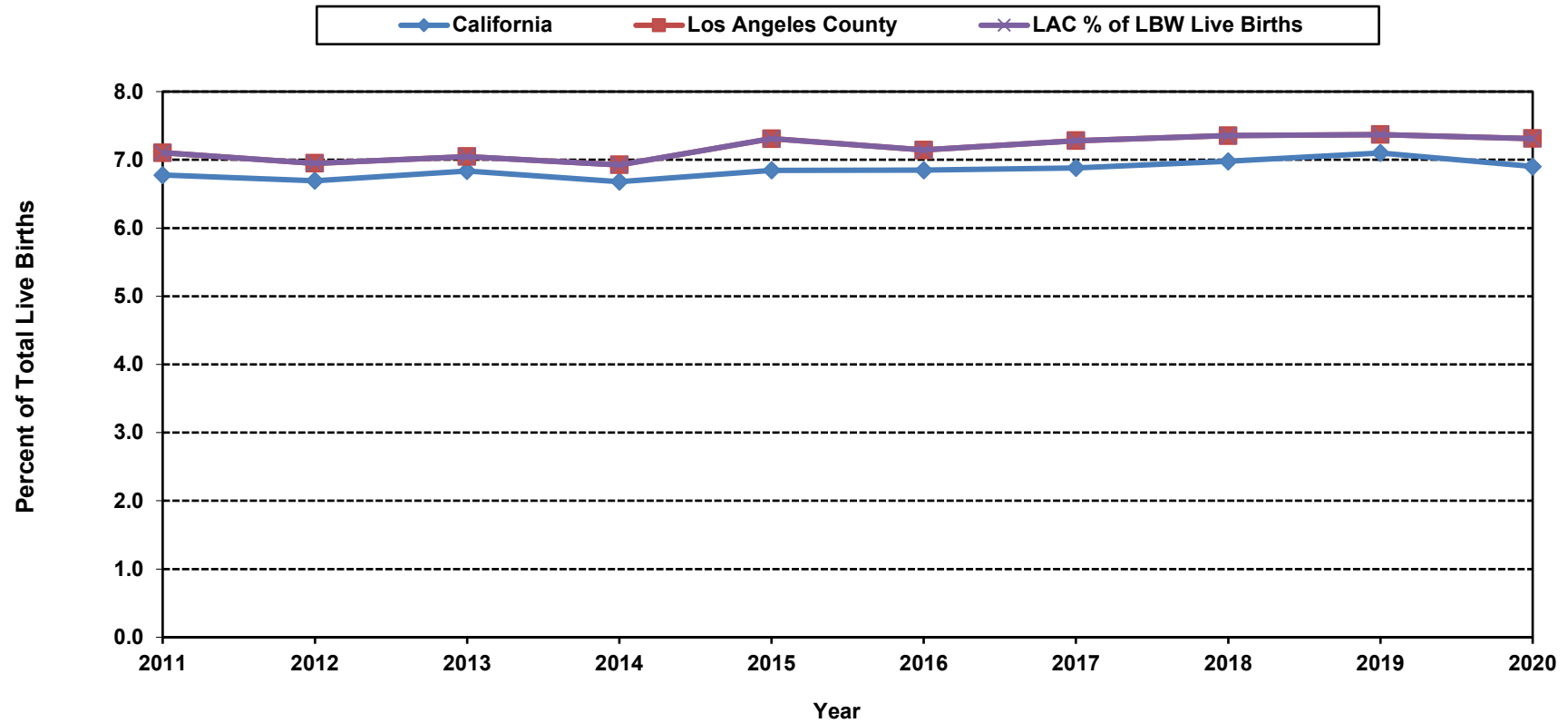
Sources: California Integrated Vital Records System, 2018-2020 (for LAC birth data)

California Department of Public Health, Birth Statistical Master Files, 2011-2017 (for LAC birth data)

Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Natality on CDC WONDER Online Database. Data are from the Natality Records 2007-2020. Updated in 2020. Accessed at <http://wonder.cdc.gov/natality-expanded-current.html> (for CA total births and LBW live births, 2011-2013 and 2019-2020)

California Department of Public Health, CHHS Open Data Portal, 1960-2020 Final Births by Year Statewide, Updated 10/18/21. Accessed at: URL: <https://data.chhs.ca.gov/dataset/test-cdph-statewide-live-birth-profiles/resource> (for CA total live births and LBW live births, 2014-2018)

Low Birth Weight Live Births as a Percent of Total Live Births California vs. Los Angeles County, 2011-2020



Notes: Low birth weight is defined as weight of less than 2,500 grams at birth.

For birth weight data shown in 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.

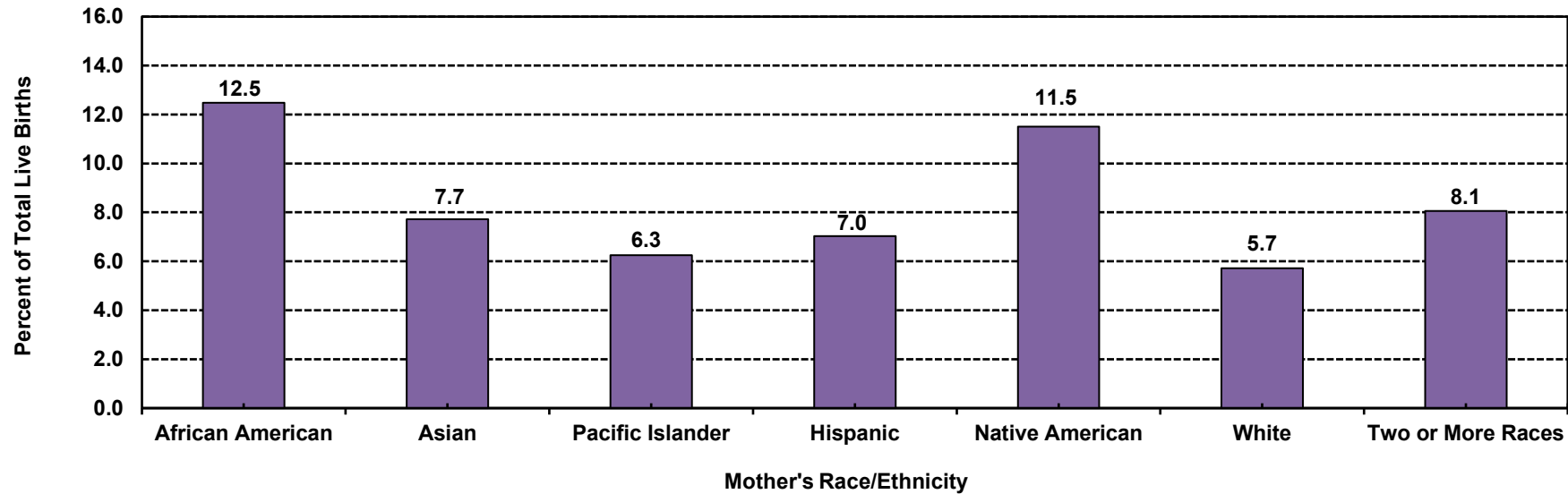
Sources: California Integrated Vital Records System, 2018-2020 (for LAC birth data)

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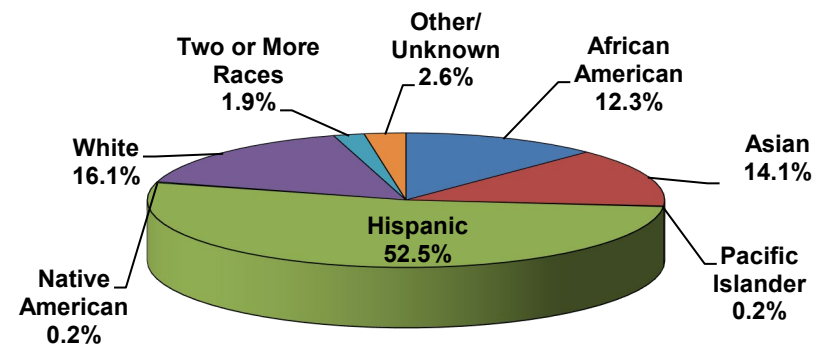
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	884	12.5	11.7	13.2
Asian	1,009	7.7	7.3	8.2
Pacific Islander	13	6.3	3.0	9.5
Hispanic	3,765	7.0	6.8	7.2
Native American	16	11.5	6.2	16.8
White	1,155	5.7	5.4	6.0
Two or More Races	138	8.1	6.8	9.3
Other/ Unknown	186	9.4	8.1	10.6
Total	7,166	7.3	7.1	7.5

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

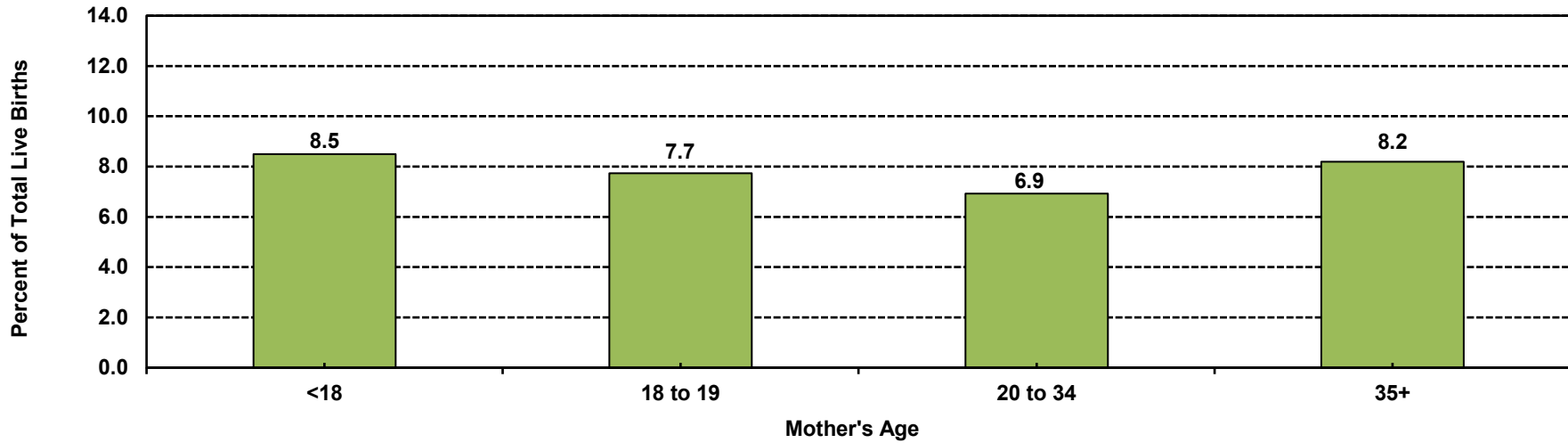
**Distribution of Low Birth Weight Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**



Notes: Low birth weight is defined as weight of less than 2,500 grams at birth. Beginning in 2016, all jurisdictions and the National Center for Health Statistics are reporting race categories consistent with the 1997 Office of Management and Budget standards ("single race"). Single race is defined as one race reported on the birth certificate. The categories are: American Indian or Alaska Native; Asian, Black or African American; Native Hawaiian or Other Pacific Islander; White; More than one race.

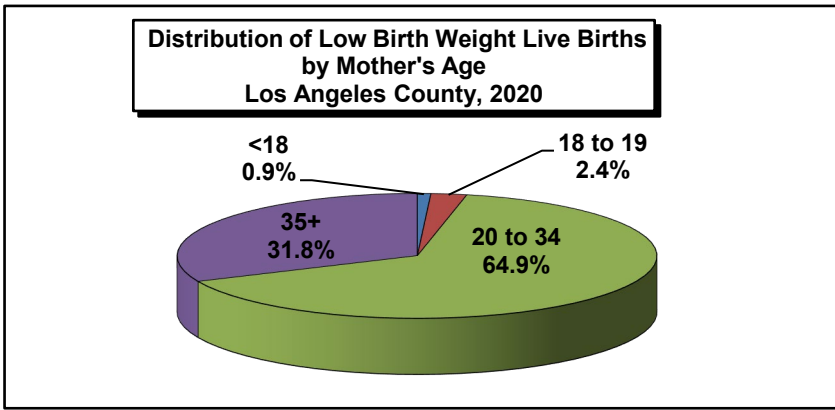
Source: California Integrated Vital Records System, 2020 (for LAC birth data)

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



Los Angeles County, 2020				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	65	8.5	6.5	10.5
18 to 19	173	7.7	6.6	8.8
20 to 34	4,652	6.9	6.7	7.1
35+	2,276	8.2	7.9	8.5
Total	7,166	7.3	7.1	7.5

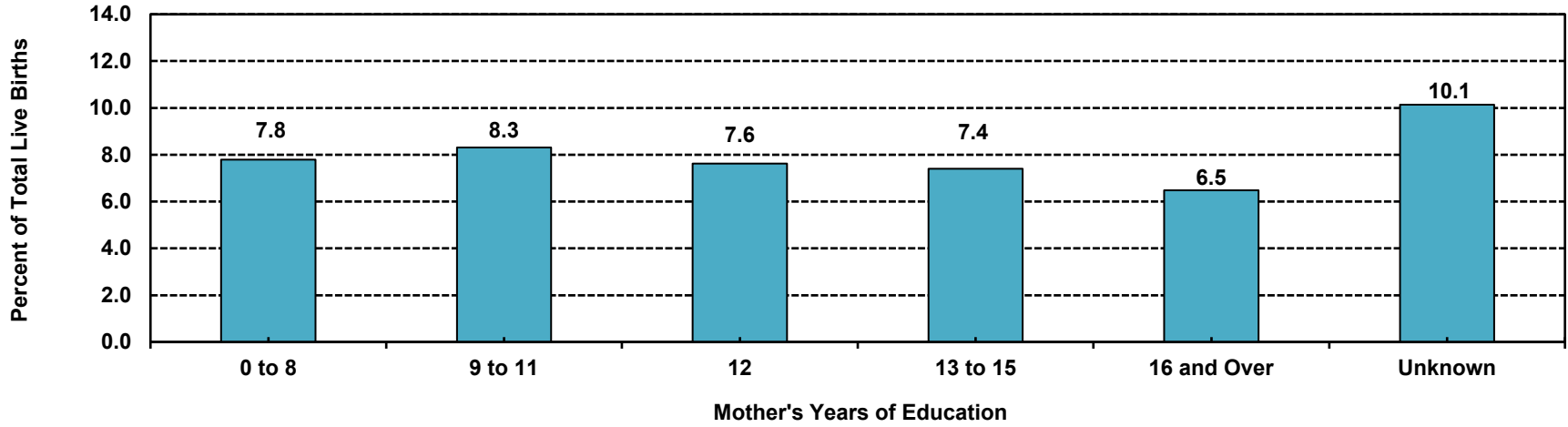
Total Live Births
765
2,238
67,210
27,803
98,021



Note: Low birth weight is defined as weight of less than 2,500 grams at birth.
 Mother's Age "Unknown" category is excluded from this analysis.

Source: California Integrated Vital Records System, 2020 (for LAC birth data)

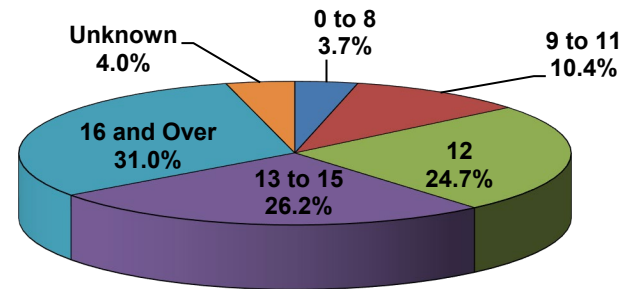
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	263	7.8	6.9	8.7
9 to 11	746	8.3	7.7	8.9
12	1,769	7.6	7.3	8.0
13 to 15	1,880	7.4	7.1	7.7
16 and Over	2,220	6.5	6.2	6.7
Unknown	288	10.1	9.0	11.3
Total	7,166	7.3	7.1	7.5

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

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

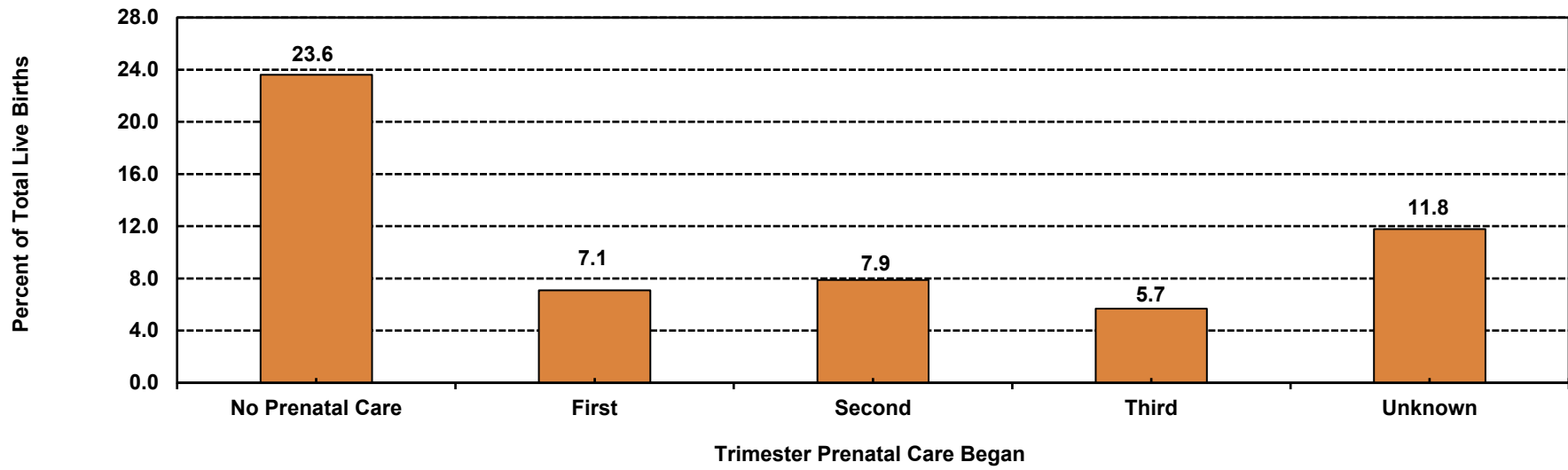


Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

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

Source: California Integrated Vital Records System, 2020 (for LAC birth data)

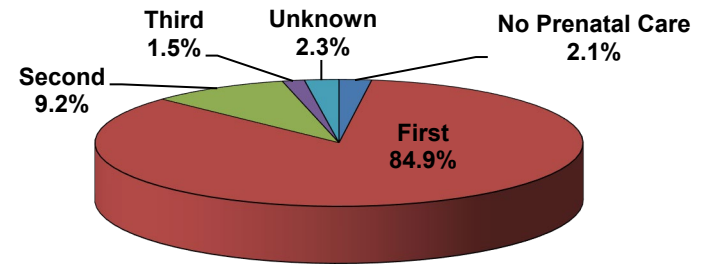
**Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	154	23.6	20.4	26.9
First	6,086	7.1	6.9	7.3
Second	658	7.9	7.3	8.5
Third	105	5.7	4.6	6.7
Unknown	163	11.8	10.1	13.5
Total	7,166	7.3	7.1	7.5

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

**Distribution of Low Birth Weight Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2020**

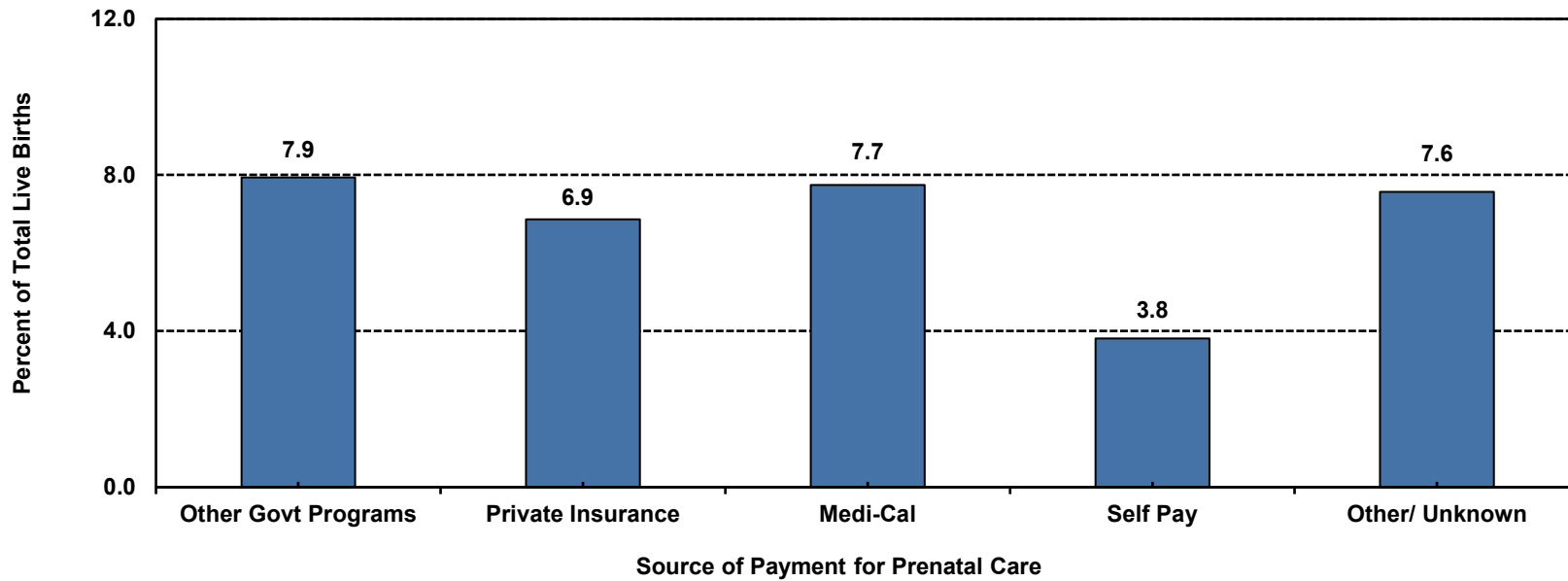


Notes: Low birth weight is defined as weight of less than 2,500 grams at birth.

"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 (for LAC birth data)

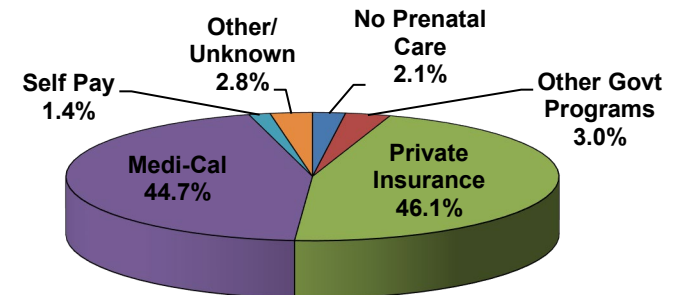
**Low Birth Weight Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2020**



Los Angeles County, 2020				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	154	23.6	20.4	26.9
Other Govt Programs	212	7.9	6.9	9.0
Private Insurance	3,300	6.9	6.6	7.1
Medi-Cal	3,202	7.7	7.5	8.0
Self Pay	100	3.8	3.1	4.5
Other/ Unknown	198	7.6	6.6	8.6
Total	7,166	7.3	7.1	7.5

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

**Distribution of Low Birth Weight Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2020**

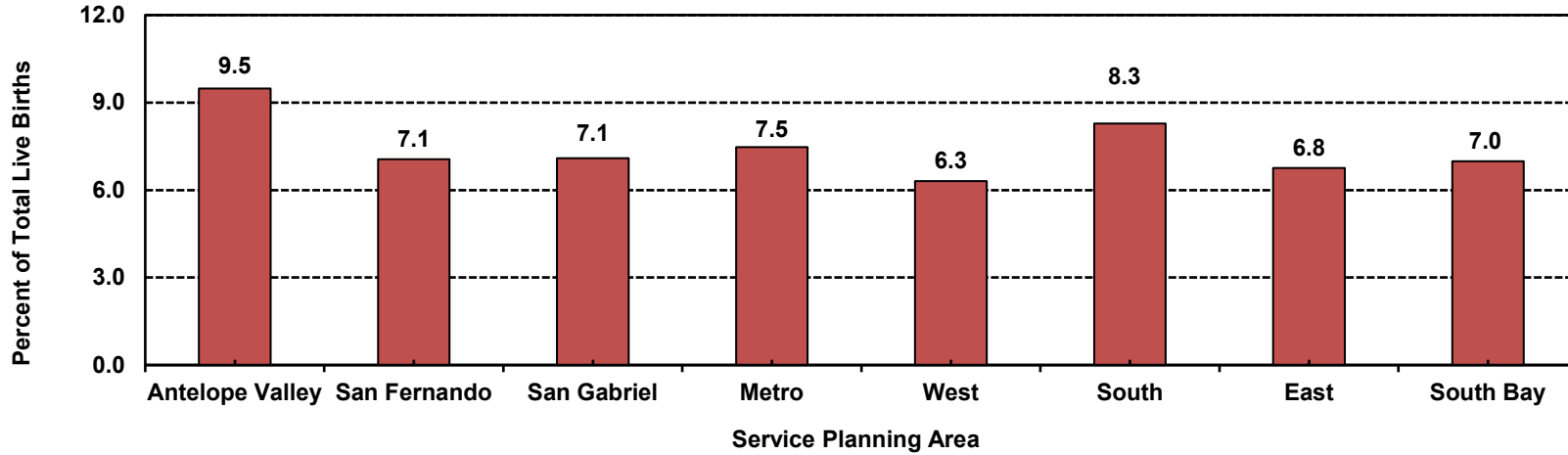


Notes: Low birth weight is defined as weight of less than 2,500 grams at birth.

"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 (for LAC birth data)

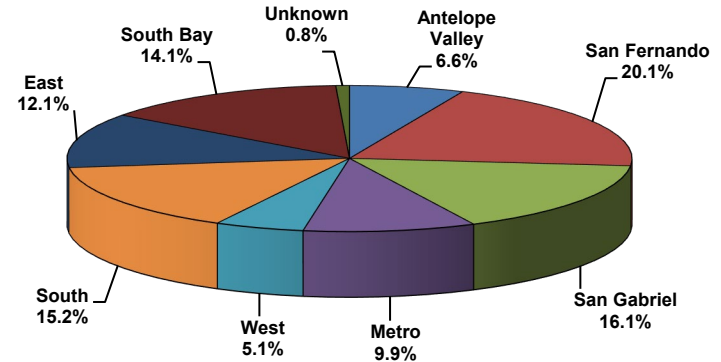
**Low Birth Weight Live Births as a Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2020**



Los Angeles County, 2020				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	471	9.5	8.7	10.3
San Fernando	1,437	7.1	6.7	7.4
San Gabriel	1,157	7.1	6.7	7.5
Metro	706	7.5	6.9	8.0
West	366	6.3	5.7	6.9
South	1,091	8.3	7.8	8.7
East	870	6.8	6.3	7.2
South Bay	1,012	7.0	6.6	7.4
Unknown	56	9.4	7.0	11.7
Total	7,166	7.3	7.1	7.5

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

**Distribution of Low Birth Weight Live Births
by Service Planning Area (SPA)
Los Angeles County, 2020**



Note: Low birth weight is defined as weight of less than 2,500 grams at birth.

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".

California Integrated Vital Records System, 2020 (for LAC birth data)

Very Low Birth Weight

Very Low Birth Weight

INDICATOR: Percent of Very Low Birthweight

DEFINITION: The percent of live births weighing less than 1,500 grams

NUMERATOR: The number of live births weighing less than 1,500 grams, 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 very low birth weight births to an incidence of no more than 1.4 percent of live births.
(Baseline: 1.5 percent in 2007) (Objective MICH-8.2)

HEALTHY PEOPLE 2030 OBJECTIVE:
This objective is not included in the list of Healthy People 2030 objectives.

Year	California				Los Angeles County				Denominator: Live Births		
	Very Low Birth Weight		95% Confidence Interval		Very Low Birth Weight		95% Confidence Interval		Year	California	LA County
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper			
2011	5,717	1.1	1.1	1.2	1,587	1.2	1.2	1.3	2011	502,023	130,313
2012	5,612	1.1	1.1	1.1	1,532	1.2	1.1	1.2	2012	503,788	131,697
2013	5,683	1.1	1.1	1.2	1,528	1.2	1.1	1.2	2013	494,392	128,526
2014	5,727	1.1	1.1	1.2	1,539	1.2	1.1	1.2	2014	502,973	130,150
2015	5,527	1.1	1.1	1.2	1,489	1.2	1.1	1.3	2015	491,748	124,507
2016	5,384	1.1	1.1	1.1	1,430	1.2	1.1	1.2	2016	488,827	122,941
2017	5,191	1.1	1.1	1.1	1,366	1.2	1.1	1.2	2017	471,658	116,850
2018	5,039	1.1	1.1	1.1	1,305	1.2	1.1	1.3	2018	454,920	109,893
2019	5,019	1.1	1.1	1.2	1,291	1.2	1.1	1.3	2019	446,479	107,202
2020	4,529	1.1	1.0	1.1	1,142	1.2	1.1	1.2	2020	421,109	98,021

Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Very low birth weight is defined as weight of less than 1,500 grams at birth.

For birth weight data shown in 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.

Sources: California Integrated Vital Records System, 2020

California Integrated Vital Records System, 2018-2020

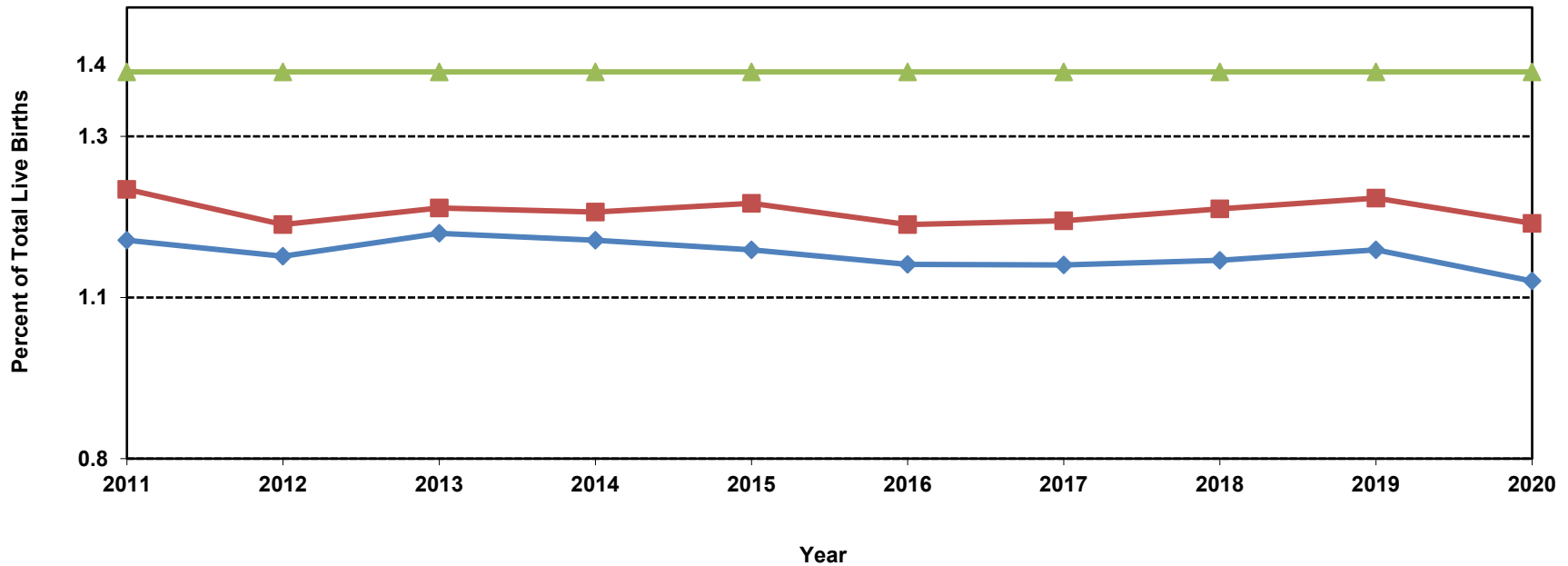
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Very Low Birth Weight Live Births as a Percent of Total Live Births California vs. Los Angeles County, 2011-2020

■ Los Angeles County
 ◆ California
 ▲ Healthy People 2020



Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Notes: Very low birth weight is defined as weight of less than 1,500 grams at birth.

For birth weight data shown in 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.

Sources: California Integrated Vital Records System, 2020

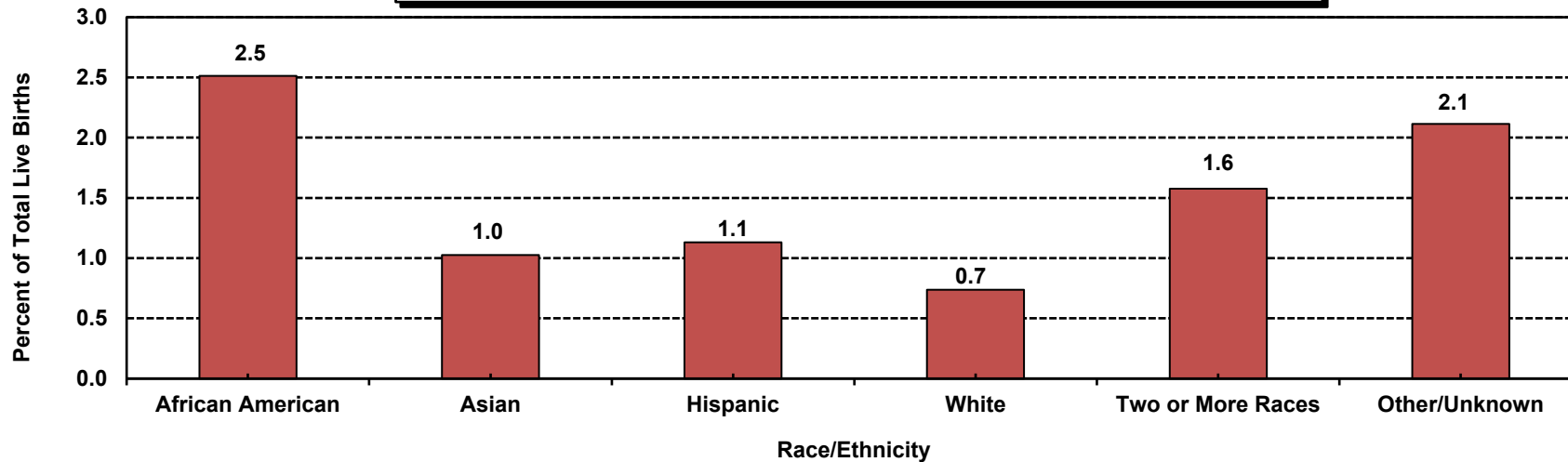
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Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Natality on CDC WONDER Online Database. Data are from the Natality Records 2007-2020. Updated in 2020. Accessed at <http://wonder.cdc.gov/natality-expanded-current.html> (for total births, race/ethnicity, and age categories data 2011-2013 and 2019-2020)

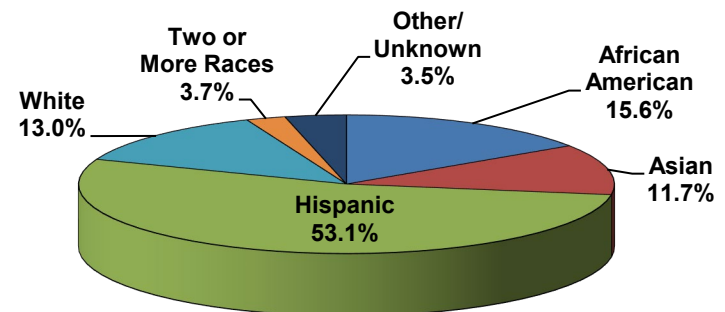
**Very Low Birth Weight Live Births as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Race/Ethnicity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	178	2.5	2.1	2.9
Asian	134	1.0	0.9	1.2
Hispanic	606	1.1	1.0	1.2
Native American	<5	N/C	N/C	N/C
White	149	0.7	0.6	0.9
Two or More Races	27	1.6	1.0	2.2
Other/Unknown	42	2.1	1.5	2.7
Pacific Islander	<5	N/C	N/C	N/C
Total	1,142	1.2	1.1	1.2

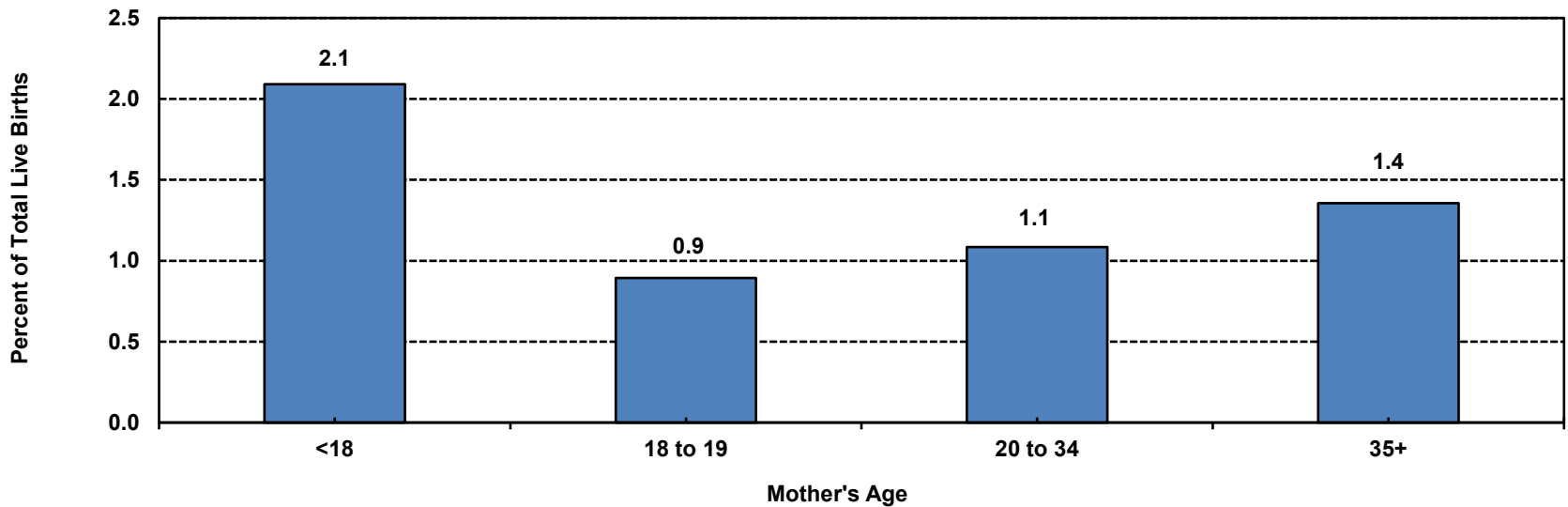
Total Live Births
7,085
13,062
53,604
139
20,222
1,714
1,987
208
98,021

**Distribution of Very Low Birth Weight Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2020**



Notes: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.
Beginning in 2016, all jurisdictions and the National Center for Health Statistics are reporting race categories consistent with the 1997 Office of Management and Budget standards ("single race"). Single race is defined as one race reported on the birth certificate. The categories are: American Indian or Alaska Native; Asian, Black or African American; Native Hawaiian or Other Pacific Islander; White; More than one race.
Source: California Integrated Vital Records System, 2020

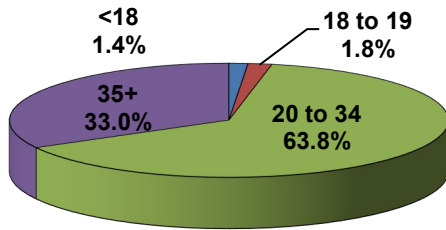
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Age
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Age	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	16	2.1	1.1	3.1
18 to 19	20	0.9	0.5	1.3
20 to 34	729	1.1	1.0	1.2
35+	377	1.4	1.2	1.5
Other/Unknown	<5	N/C	N/C	N/C
Total	1,142	1.2	1.1	1.2

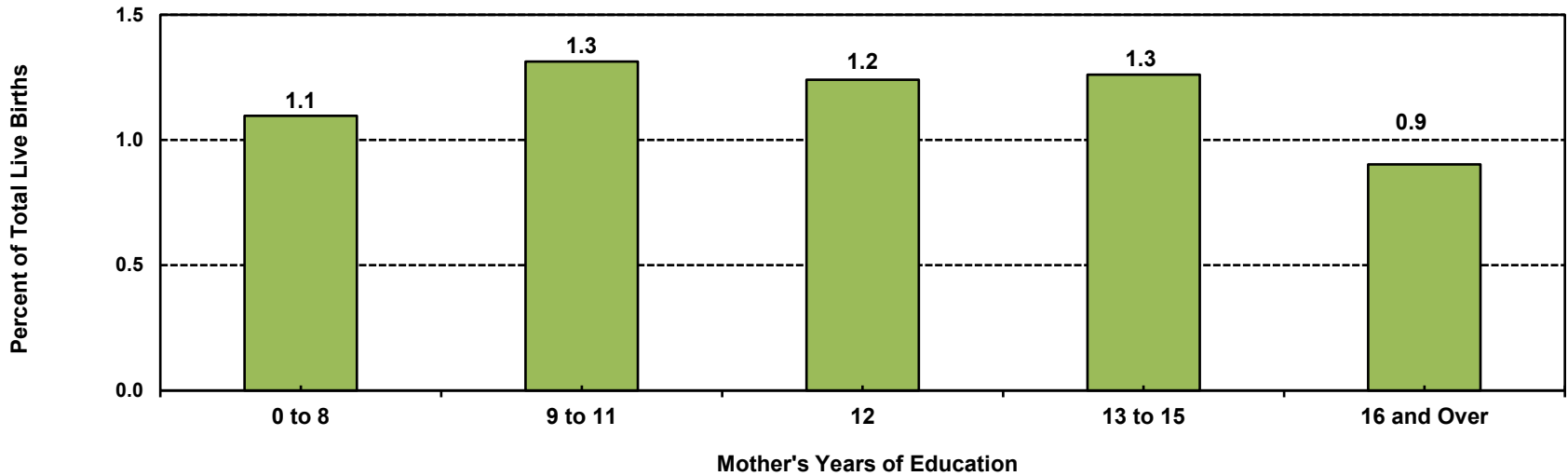
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67,210
27,803
5
98,021

**Distribution of Very Low Birth Weight Live Births
by Mother's Age
Los Angeles County, 2020**



Note: Very low birth weight is defined as weight of less than 1,500 grams at birth.
Source: California Integrated Vital Records System, 2020

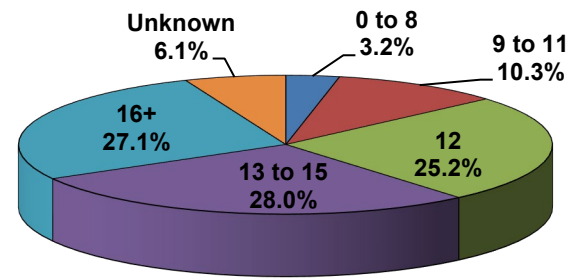
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Years of Education	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	37	1.1	0.7	1.4
9 to 11	118	1.3	1.1	1.5
12	288	1.2	1.1	1.4
13 to 15	320	1.3	1.1	1.4
16 and Over	309	0.9	0.8	1.0
Unknown	70	2.5	1.9	3.0
Total	1,142	1.2	1.1	1.2

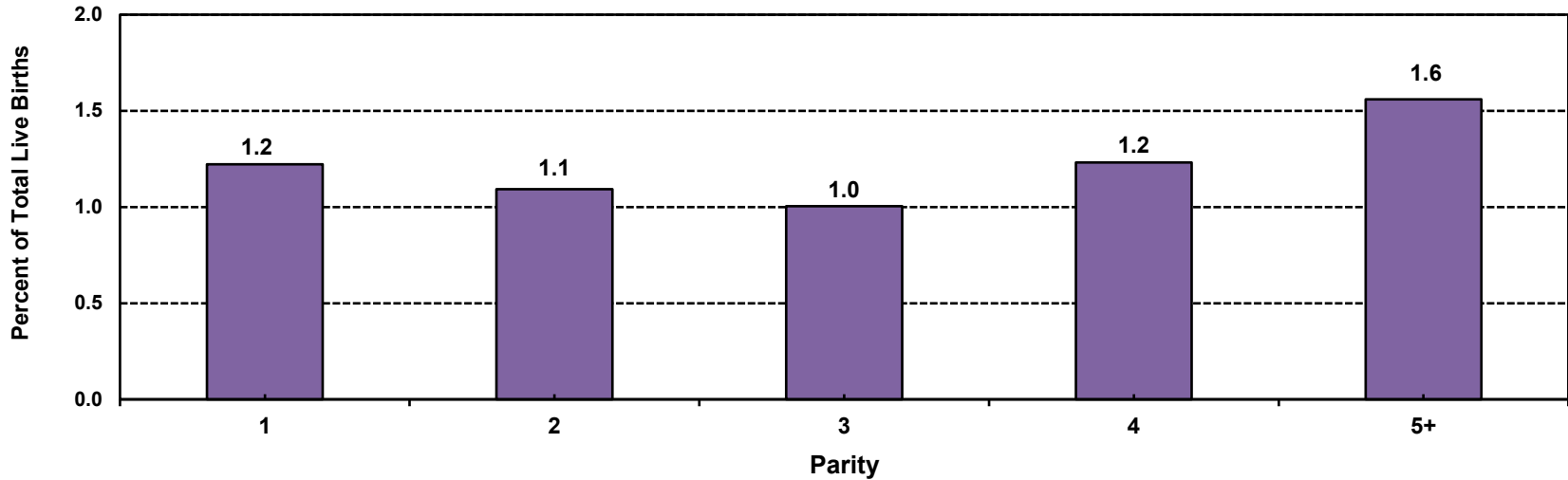
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8,982
23,218
25,376
34,230
2,840
98,021

**Distribution of Very Low Birth Weight Live Births
by Mother's Years of Education
Los Angeles County, 2020**



Notes: Very low birth weight is defined as weight of less than 1,500 grams at birth.
 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

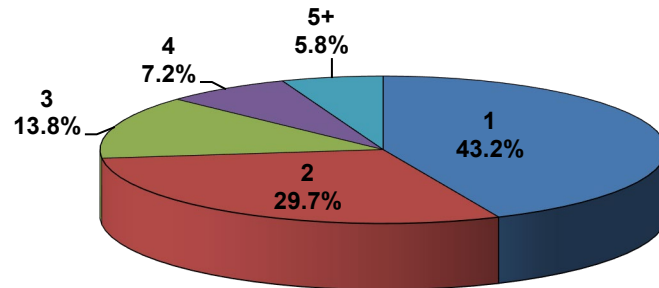
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Parity
Los Angeles County, 2020**



Los Angeles County, 2020				
Parity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	493	1.2	1.1	1.3
2	339	1.1	1.0	1.2
3	158	1.0	0.8	1.2
4	82	1.2	1.0	1.5
5+	66	1.6	1.2	1.9
Unknown	<5	N/C	N/C	N/C
Total	1,142	1.2	1.1	1.2

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

**Distribution of Very Low Birth Weight Live Births
by Parity
Los Angeles County, 2020**

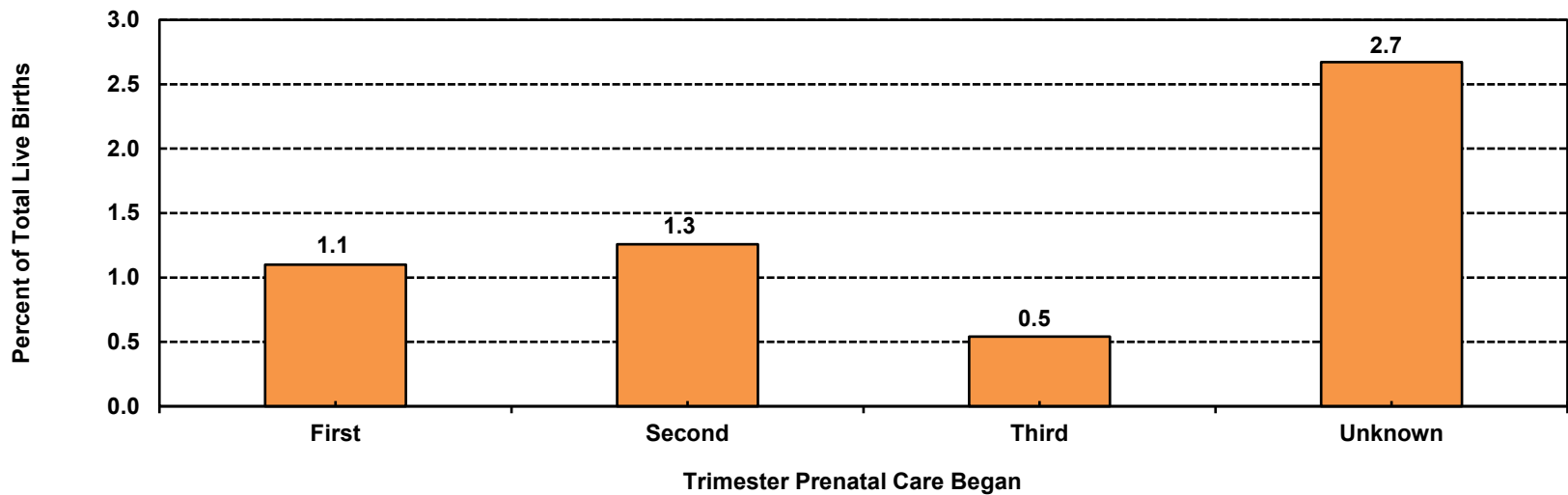


Note: Very low birth weight is defined as weight of less than 1,500 grams at birth.

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

Source: California Integrated Vital Records System, 2020

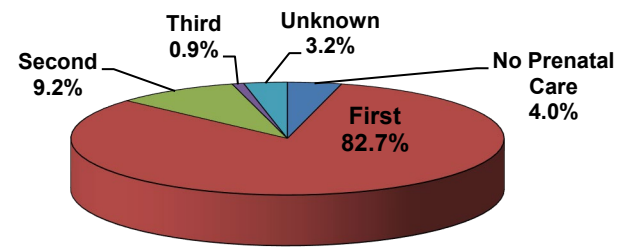
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2020**



Los Angeles County, 2020				
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	46	7.1	5.1	9.0
First	944	1.1	1.0	1.2
Second	105	1.3	1.0	1.5
Third	10	0.5	0.2	0.9
Unknown	37	2.7	1.8	3.5
Total	1,142	1.2	1.1	1.2

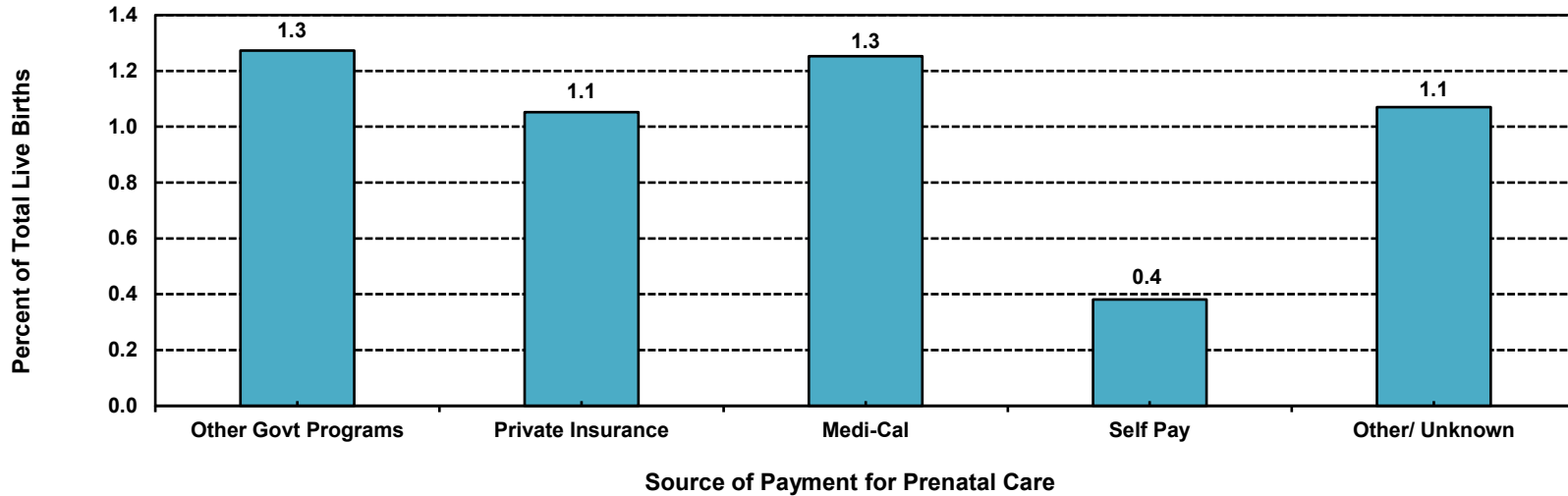
Total Live Births
652
85,787
8,349
1,849
1,384
98,021

**Distribution of Very Low Birth Weight Live Births
by Mother's Trimester Prenatal Care Began
Los Angeles County, 2020**



Notes: Very low birth weight is defined as weight of less than 1,500 grams at birth.
Parity is defined as the number of pregnancies resulting in live births to a woman.
Source: California Integrated Vital Records System, 2020

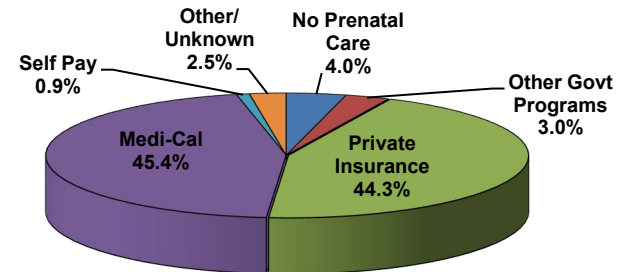
**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2020**



Los Angeles County, 2020				
Source of Payment for Prenatal Care	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	46	7.1	5.1	9.0
Other Govt Programs	34	1.3	0.8	1.7
Private Insurance	506	1.1	1.0	1.1
Medi-Cal	518	1.3	1.1	1.4
Self Pay	10	0.4	0.1	0.6
Other/ Unknown	28	1.1	0.7	1.5
Total	1,142	1.2	1.1	1.2

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

**Distribution of Very Low Birth Weight Live Births
by Source of Payment for Prenatal Care
Los Angeles County, 2020**

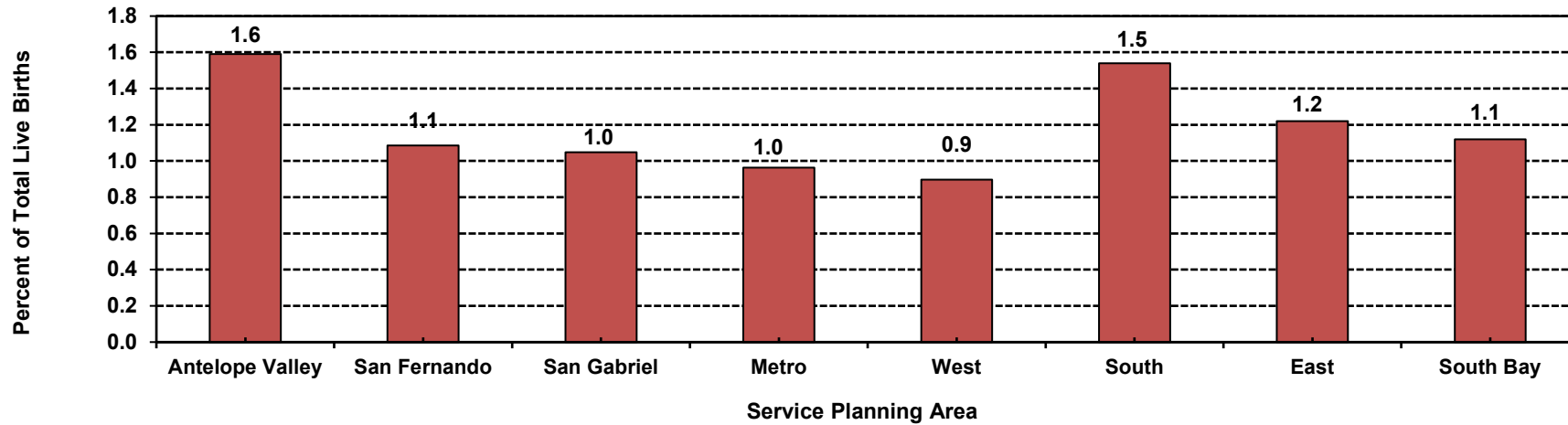


Notes: Very low birth weight is defined as weight of less than 1,500 grams at birth.

"Source of Payment for Prenatal Care (PNC)" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

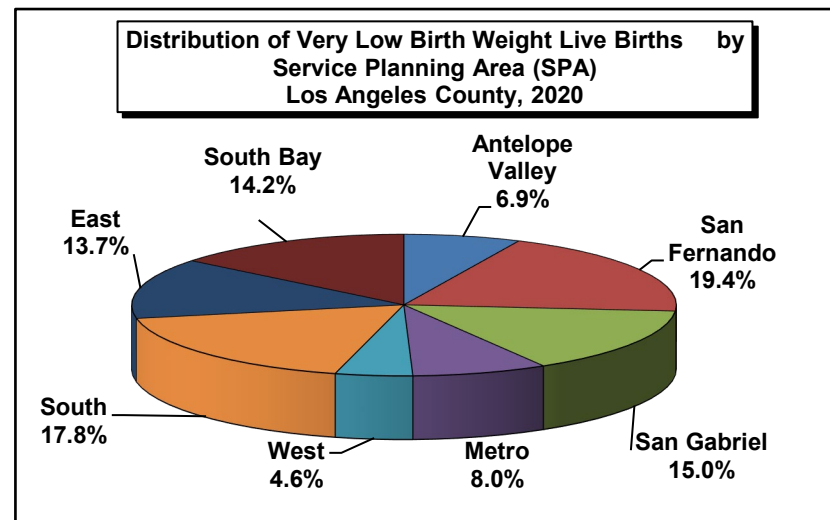
Source: California Integrated Vital Records System, 2020

**Very Low Birth Weight Live Births as a Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2020**



Los Angeles County, 2020				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	79	1.6	1.2	1.9
San Fernando	221	1.1	0.9	1.2
San Gabriel	171	1.0	0.9	1.2
Metro	91	1.0	0.8	1.2
West	52	0.9	0.7	1.1
South	203	1.5	1.3	1.8
East	157	1.2	1.0	1.4
South Bay	162	1.1	0.9	1.3
Unknown	6	1.0	0.2	1.8
Total	1,142	1.2	1.1	1.2

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



Note: Very low birth weight is defined as weight of less than 1,500 grams at birth.
 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
 Source: California Integrated Vital Records System, 2020