

# **Infant Mortality**

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Infant Mortality Rate

**DEFINITION:** The number of infant deaths occurring at less than 365 days of age per 1,000 live births

**NUMERATOR:** The number of infant deaths occurring at less than 365 days of age, 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:**

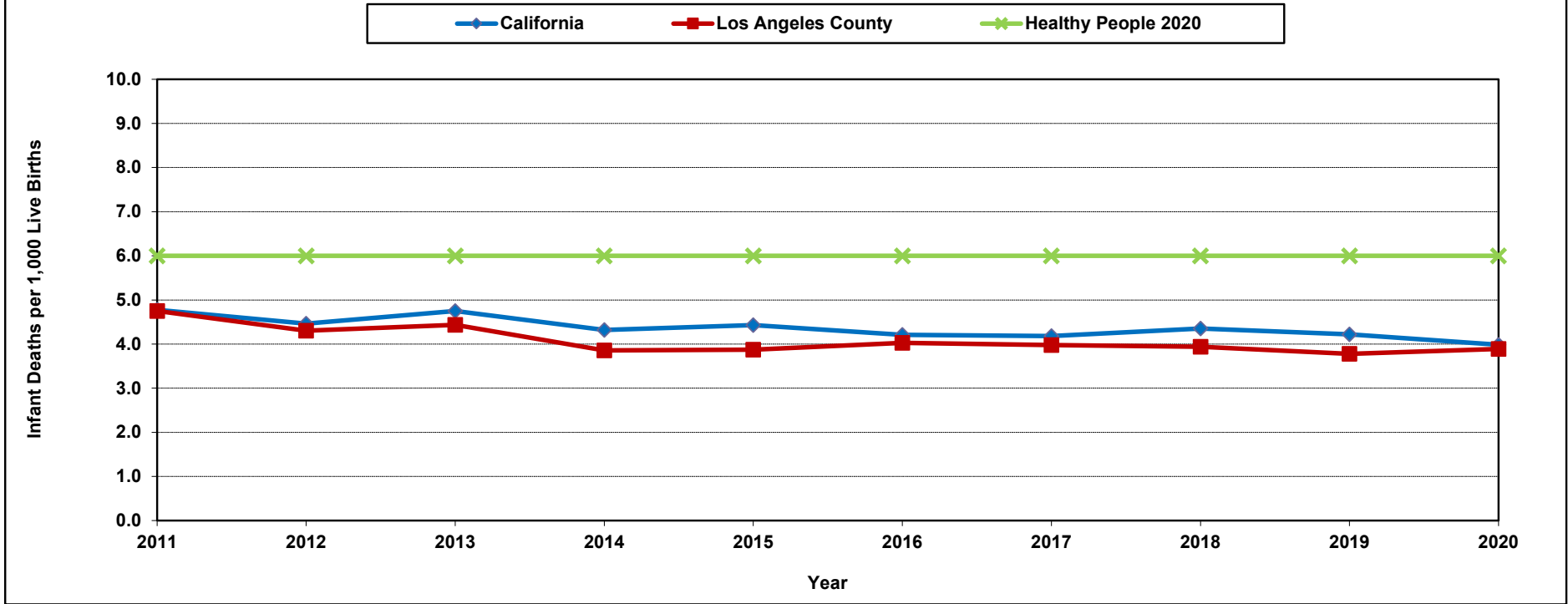
Reduce the infant mortality rate to no more than 6.0 per 1,000 live births. (Baseline: 6.7 per 1,000 live births in 2006) (Objective MICH-1.3)

Year	California				Los Angeles County			
	Infant Mortality		95% Confidence Interval		Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2011	2,397	4.8	4.6	5.0	619	4.8	4.4	5.1
2012	2,247	4.5	4.3	4.6	567	4.3	4.0	4.7
2013	2,348	4.7	4.6	4.9	570	4.4	4.1	4.8
2014	2,173	4.3	4.1	4.5	502	3.9	3.5	4.2
2015	2,178	4.4	4.2	4.6	482	3.9	3.5	4.2
2016	2,057	4.2	4.0	4.4	495	4.0	3.7	4.4
2017	1,973	4.2	4.0	4.4	465	4.0	3.6	4.3
2018	1,981	4.4	4.2	4.5	433	3.9	3.6	4.3
2019	1,889	4.2	4.0	4.4	405	3.8	3.4	4.1
2020	1,675	4.0	3.8	4.2	381	3.9	3.5	4.3

Denominator: Live Births		
Year	California	LA County
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	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	447,834	107,202
2020	420,386	98,021

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

**Infant Mortality Rate  
California vs. Los Angeles County  
2011-2020**



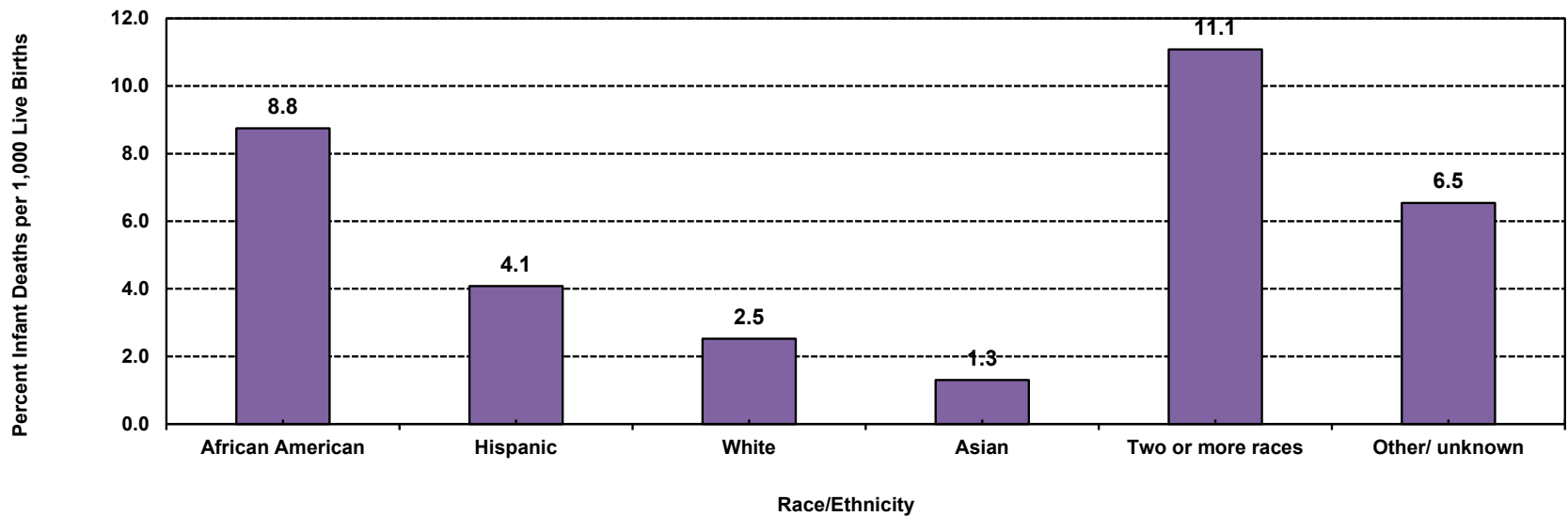
Year 2020 Objective: Reduce the infant mortality rate to no more than 6.0 per 1,000 live births.

Note: "Infant Mortality" rate is defined as the number of infant deaths occurring at less than 365 days of age per 1,000 live births

Sources: California Integrated Vital Records System, 2018-2020

California Department of Public Health, Death Statistical Master File, 2011-2017

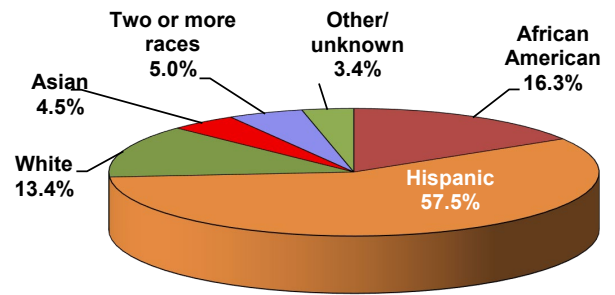
**Infant Mortality Rate by Race/Ethnicity  
Los Angeles County, 2020**



Los Angeles County, 2020				
Race/Ethnicity	Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	62	8.8	6.6	10.9
Hispanic	219	4.1	3.5	4.6
White	51	2.5	1.8	3.2
Asian	17	1.3	0.7	1.9
Native American	<5	NC	NC	NC
Pacific Islander	<5	NC	NC	NC
Two or more races	19	11.1	6.1	16.0
Other/ unknown	13	6.5	3.0	10.1
<b>Total</b>	<b>381</b>	<b>3.9</b>	<b>3.5</b>	<b>4.3</b>

Denominator: Total Live Births
7,085
53,604
20,222
13,062
139
208
1,714
1,987
<b>98,021</b>

**Distribution of Infant Deaths  
by Race/Ethnicity  
Los Angeles County, 2020**



Source: California Integrated Vital Records System, 2020

Year 2020 Objective: Reduce the infant mortality rate to no more than 6.0 per 1,000 live births.

Notes: Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

"Infant Mortality" rate is defined as infant deaths occurring less than 365 days per 1,000 live births.

# **Neonatal Mortality**

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Neonatal Mortality Rate

**DEFINITION:** The number of infant deaths occurring at less than 28 days of age per 1,000 live births

**NUMERATOR:** The number of infant deaths occurring at less than 28 days of age, 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 the neonatal mortality rate to no more than 4.1 per 1,000 live births. (Baseline: 4.5 per 1,000 live births in 2006)  
(Objective MICH-1.4)

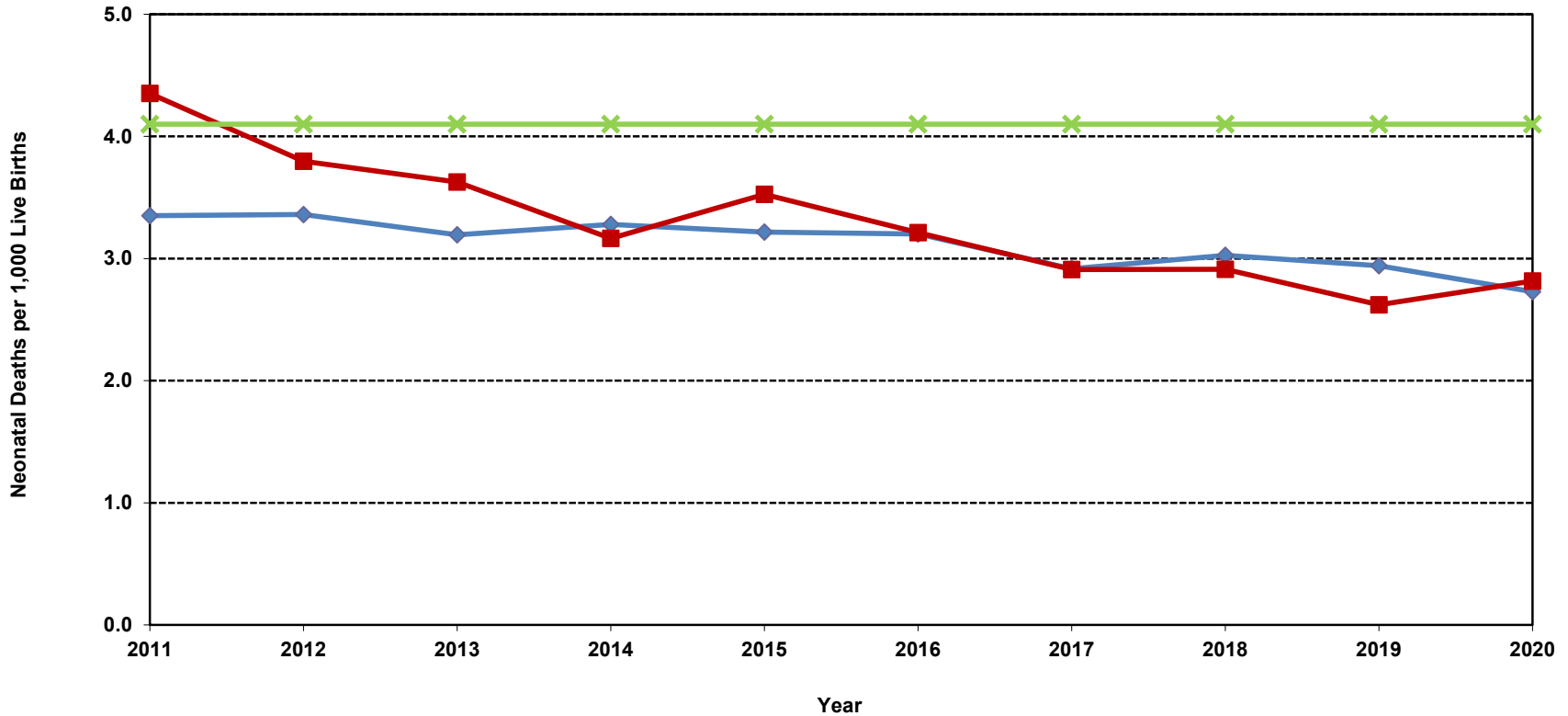
Year	California				Los Angeles County			
	Neonatal Mortality		95% Confidence Interval		Neonatal Mortality		95% Confidence Interval	
2011	1,682	3.4	3.2	3.5	567	4.4	4.0	4.7
2012	1,693	3.4	3.2	3.5	500	3.8	3.5	4.1
2013	1,579	3.2	3.0	3.4	466	3.6	3.3	4.0
2014	1,649	3.3	3.1	3.4	412	3.2	2.9	3.5
2015	1,582	3.2	3.1	3.4	439	3.5	3.2	3.9
2016	1,565	3.2	3.0	3.4	395	3.2	2.9	3.5
2017	1,376	2.9	2.8	3.1	340	2.9	2.6	3.2
2018	1,377	3.0	2.9	3.2	320	2.9	2.6	3.2
2019	1,317	2.9	2.8	3.1	281	2.6	2.3	2.9
2020	1,147	2.7	2.6	2.9	276	2.8	2.5	3.1

Year	Denominator: Live Births	
	California	LA County
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	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	447,834	107,202
2020	420,386	98,021

ources: California Integrated Vital Records System, 2018-2020  
California Department of Public Health, Death Statistical Master File, 2011-2017

### Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 2011-2020

◆ California     
 ■ Los Angeles County     
 ✕ Healthy People 2020



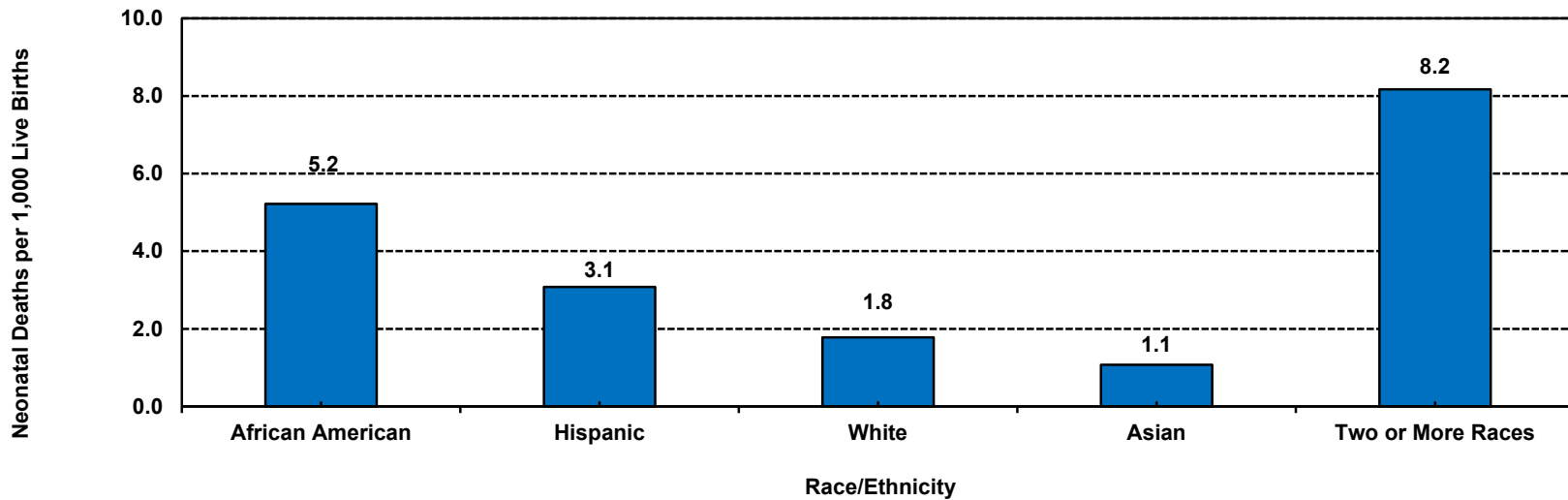
Year 2020 Objective: Reduce the neonatal mortality rate to no more than 4.1 per 1,000 live births.

Note: "Neonatal Mortality" rate is defined as infant deaths occurring less than 28 days per 1,000 live births.

Sources: California Integrated Vital Records System, 2018-2020

California Department of Public Health, Death Statistical Master File, 2011-2017

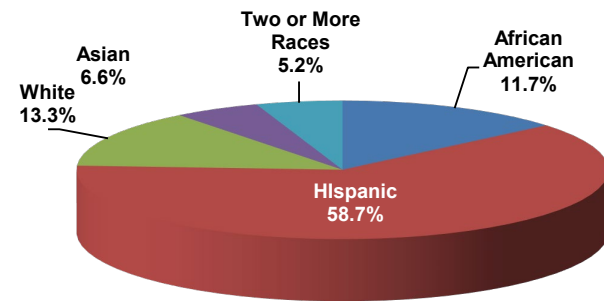
**Neonatal Mortality Rate by Race/Ethnicity  
Los Angeles County, 2020**



Los Angeles County, 2020				
Race/Ethnicity	Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	37	5.2	3.5	6.9
Hispanic	165	3.1	2.6	3.5
White	36	1.8	1.2	2.4
Asian	14	1.1	0.5	1.6
Native American	<5	NC	NC	NC
Pacific Islander	<5	NC	NC	NC
Two or More Races	14	8.2	3.9	12.4
Other/ unknown	<5	NC	NC	NC
<b>Total</b>	<b>271</b>	<b>2.8</b>	<b>2.4</b>	<b>3.1</b>

Denominator: Total Live Births
7,085
53,604
20,222
13,062
139
208
1,714
1,987
<b>98,021</b>

**Distribution of Neonatal Deaths  
by Race/Ethnicity  
Los Angeles County, 2020**



Year 2020 Objective: Reduce the neonatal mortality rate to no more than 4.1 per 1,000 live births.

Notes: "Neonatal Mortality" rate is defined as infant deaths occurring less than 28 days per 1,000 live births.

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



# **Post-Neonatal Mortality**

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Post-Neonatal Mortality Rate

**DEFINITION:** The number of infant deaths occurring from 28 through 364 days of age per 1,000 live births

**NUMERATOR:** The number of infant deaths occurring from 28 through 364 days of age, 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 the post-neonatal mortality rate to no more than 2.0 per 1,000 live births.  
(Baseline: 2.2 per 1,000 live births in 2006) (Objective MICH-1.5)

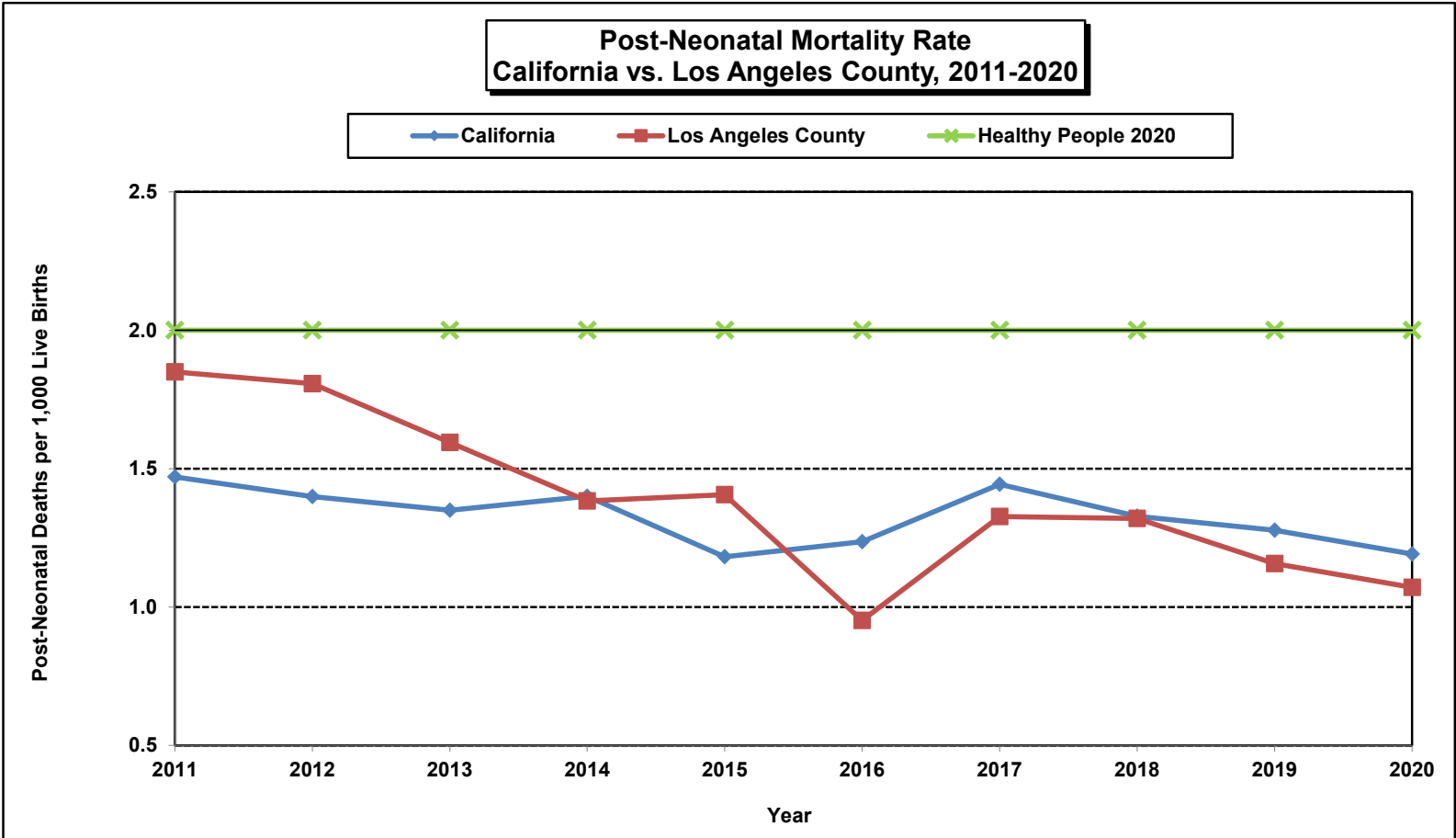
Year	California				Los Angeles County			
	Post-Neonatal Mortality		95% Confidence Interval		Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2011	738	1.5	1.4	1.6	241	1.8	2.0	2.0
2012	705	1.4	1.3	1.5	238	1.8	1.9	1.9
2013	667	1.3	1.2	1.5	205	1.6	1.7	1.7
2014	704	1.4	1.3	1.5	180	1.4	1.5	1.5
2015	581	1.2	1.1	1.3	175	1.4	1.5	1.5
2016	604	1.2	1.1	1.3	117	1.0	1.0	1.0
2017	681	1.4	1.3	1.6	155	1.3	1.4	1.4
2018	604	1.3	1.2	1.4	145	1.3	1.4	1.4
2019	572	1.3	1.2	1.4	124	1.2	1.3	1.3
2020	501	1.2	1.1	1.3	105	1.1	1.2	1.2

Year	Denominator: Live Births	
	California	LA County
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	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	447,834	107,202
2020	420,386	98,021

Note: "Post-Neonatal Mortality" rate is defined as infant deaths occurring 28 through 364 days of age per 1,000 live births.

Sources: California Integrated Vital Records System, 2018-2020

California Department of Public Health, Death Statistical Master File, 2011-2017

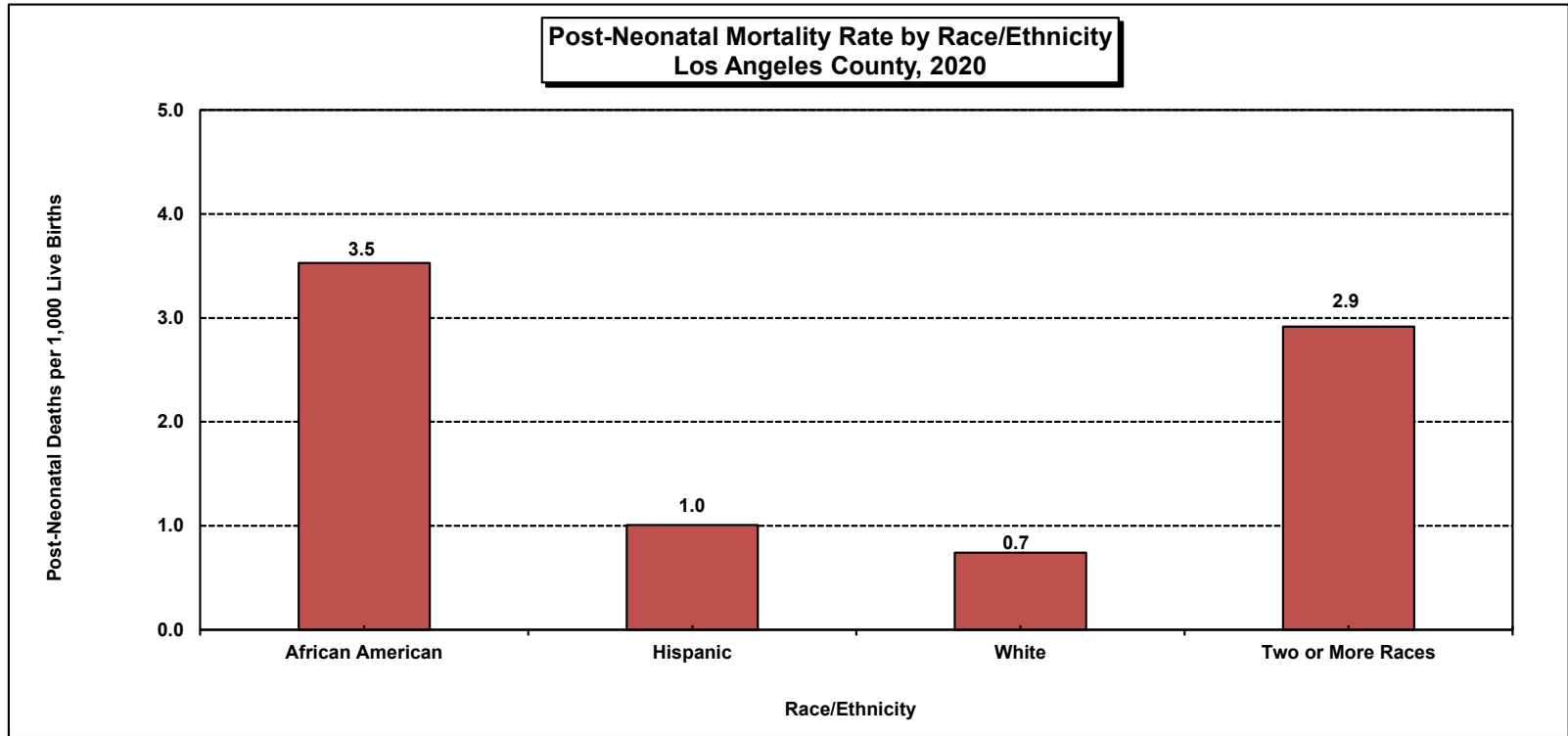


Year 2020 Objective: Reduce the post-neonatal mortality rate to no more than 2.0 per 1,000 live births.

Note: "Post-Neonatal Mortality" rate is defined as infant deaths occurring 28 through 364 days of age per 1,000 live births.

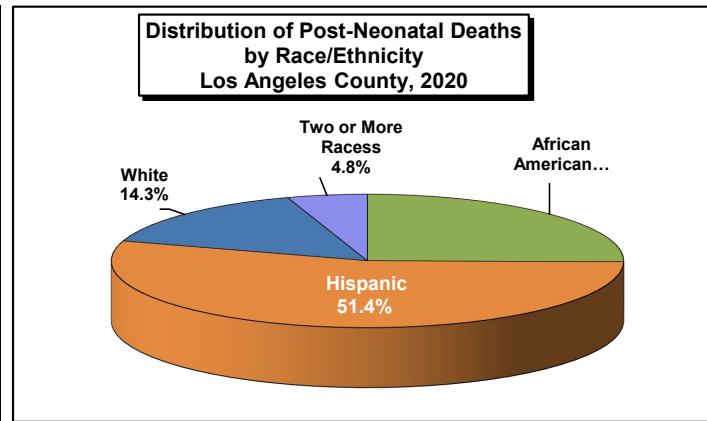
Sources: California Integrated Vital Records System, 2018-2020

California Department of Public Health, Death Statistical Master File, 2011-2017



Los Angeles County, 2020				
Race/Ethnicity	Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	25	3.5	2.1	4.9
Hispanic	54	1.0	0.7	1.3
White	15	0.7	0.4	1.1
Asian	<5	NC	NC	NC
Native American	<5	NC	NC	NC
Pacific Islander	<5	NC	NC	NC
Two or More Races	5	2.9	0.4	5.5
Other/Unknown	<5	NC	NC	NC
<b>Total</b>	<b>105</b>	<b>1.1</b>	<b>0.9</b>	<b>1.3</b>

Denominator: Total Live Births
7,085
53,604
20,222
13,062
139
208
1,714
1,987
<b>98,021</b>



Year 2020 Objective: Reduce the post-neonatal mortality rate to no more than 2.0 per 1,000 live births.

Notes: "Post-Neonatal Mortality" rate is defined as infant deaths occurring 28 through 364 days of age per 1,000 live births.

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