

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)

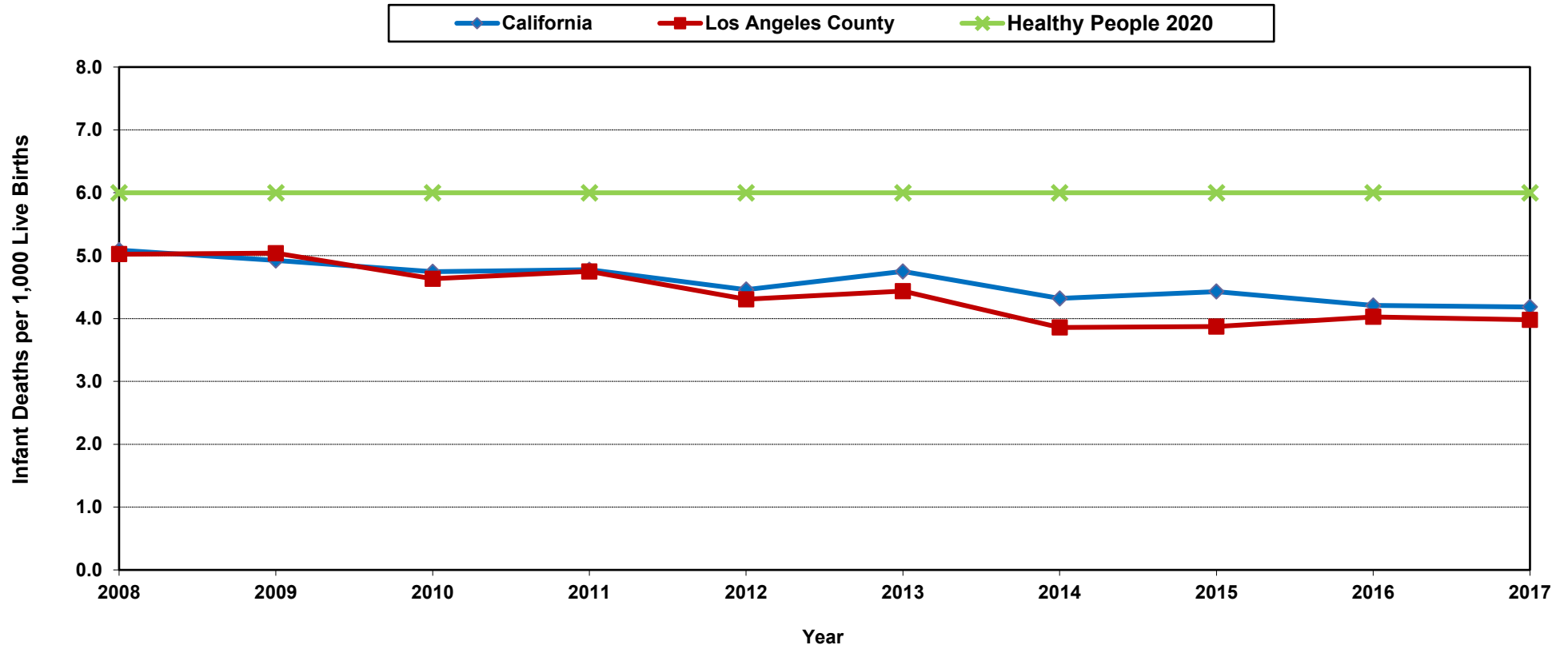
Year	California				Los Angeles County			
	Infant Mortality		95% Confidence Interval		Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2008	2,806	5.1	4.9	5.3	742	5.0	4.7	5.4
2009	2,593	4.9	4.7	5.1	704	5.0	4.7	5.4
2010	2,419	4.7	4.6	4.9	617	4.6	4.3	5.0
2011	2,397	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

Denominator: Live Births		
Year	California	LA County
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
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

Source: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017

Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Linked Birth/Infant Death Records 2008-2017 (for state birth data)

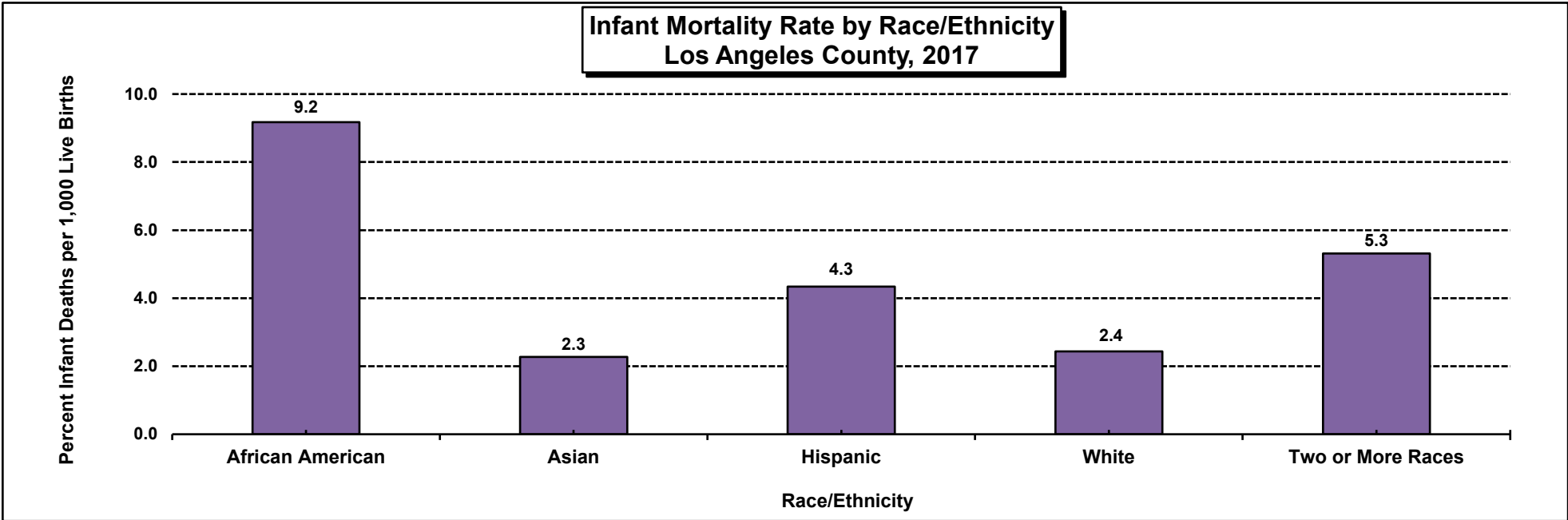
Infant Mortality Rate California vs. Los Angeles County, 2007-2017



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

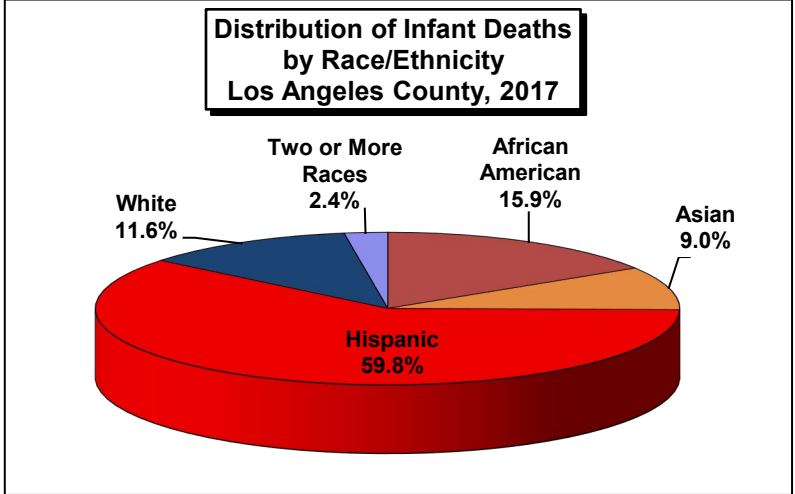
Note: "Infant Mortality" rate is defined as the number of infant deaths occurring at less than 365 days of age per 1,000 live births

Sources: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017
Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Linked Birth/Infant Death Records 2008-2017 (for state birth data)



Los Angeles County, 2017				
Race/Ethnicity	Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	74	9.2	7.1	11.3
Asian	42	2.3	1.6	3.0
Pacific Islander	<5	N/C	N/C	N/C
Hispanic	278	4.3	3.8	4.8
Native American	<5	N/C	N/C	N/C
White	54	2.4	1.8	3.1
Two or More Races	11	5.3	2.2	8.5
Other/Unknown	<5	N/C	N/C	N/C
Total	465	4.0	3.6	4.3

Total Live Births
8,064
18,490
260
64,091
160
22,185
2,069
1,531
116,850



Source: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017

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:

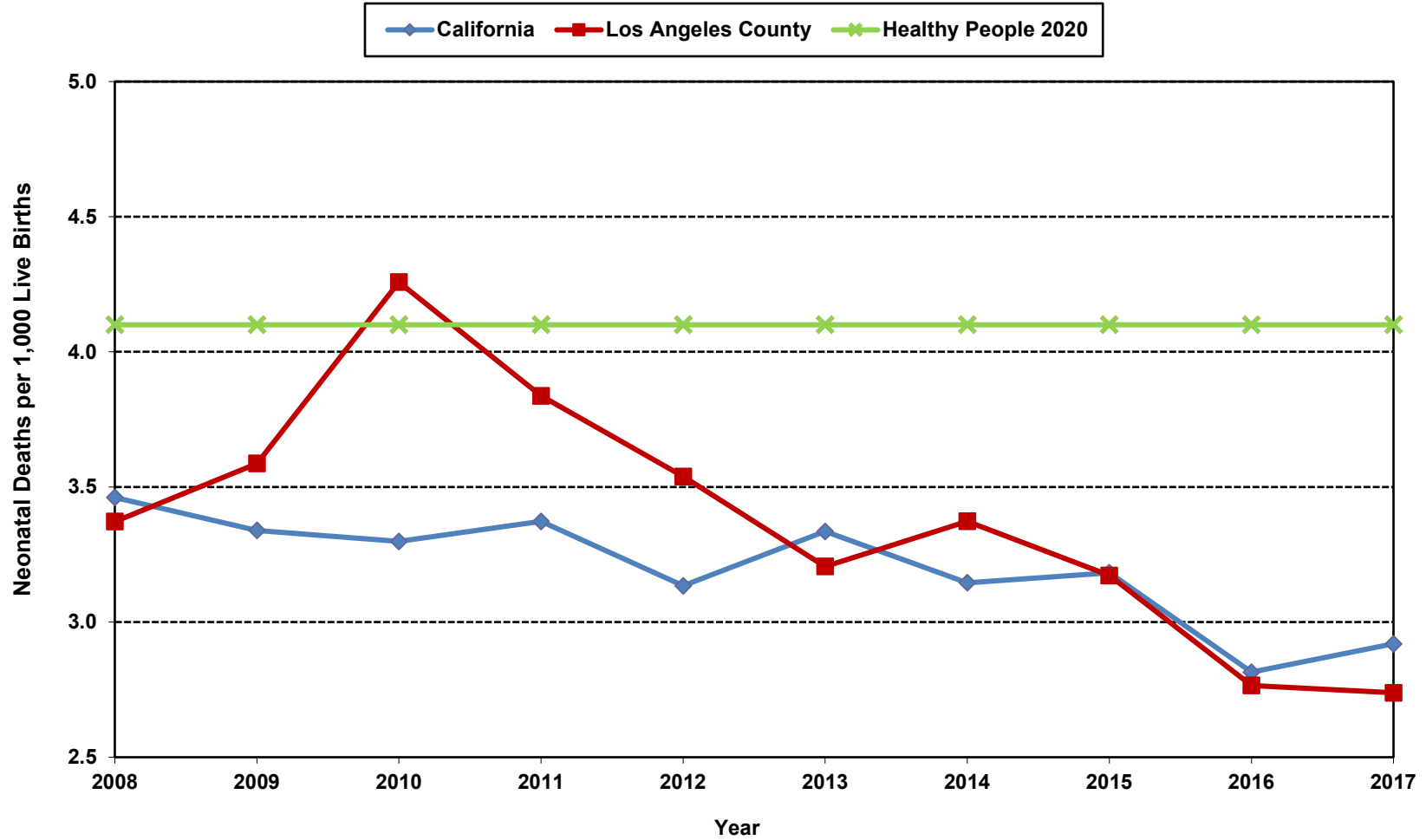
Reduce the neonatal mortality rate to no more than 4.1 per 1,000 live births.
(Baseline: 4.5 per 1,000 live births in 2006) (Objective MICH-1.4)

Year	California				Los Angeles County				Denominator: Live Births		
	Neonatal Mortality		95% Confidence Interval		Neonatal Mortality		95% Confidence Interval				
2008	1,909	3.5	3.3	3.6	498	3.4	3.1	3.7	2008	551,567	147,684
2009	1,759	3.3	3.2	3.5	501	3.6	3.3	3.9	2009	526,774	139,679
2010	1,682	3.3	3.1	3.5	567	4.3	3.9	4.6	2010	509,979	133,160
2011	1,693	3.4	3.2	3.5	500	3.8	3.5	4.2	2011	502,023	130,313
2012	1,579	3.1	3.0	3.3	466	3.5	3.2	3.9	2012	503,788	131,697
2013	1,649	3.3	3.2	3.5	412	3.2	2.9	3.5	2013	494,392	128,526
2014	1,582	3.1	3.0	3.3	439	3.4	3.1	3.7	2014	502,973	130,150
2015	1,565	3.2	3.0	3.3	395	3.2	2.9	3.5	2015	491,748	124,507
2016	1,376	2.8	2.7	3.0	340	2.8	2.5	3.1	2016	488,827	122,941
2017	1,377	2.9	2.8	3.1	320	2.7	2.4	3.0	2017	471,658	116,850

Source: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017

Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Linked Birth/Infant Death Records 2008-2017 (for state birth)

Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 2007-2017

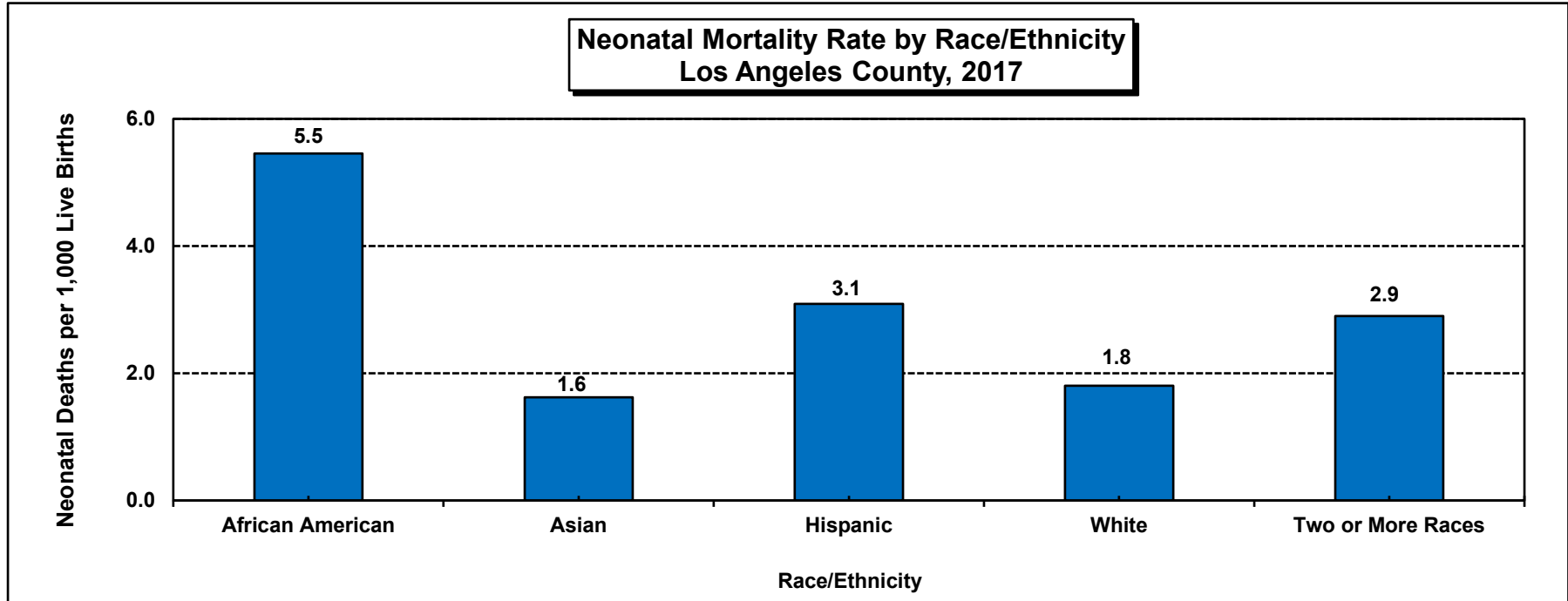


Year 2020 Objective: Reduce the neonatal mortality rate to no more than 4.1 per 1,000 live births.

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

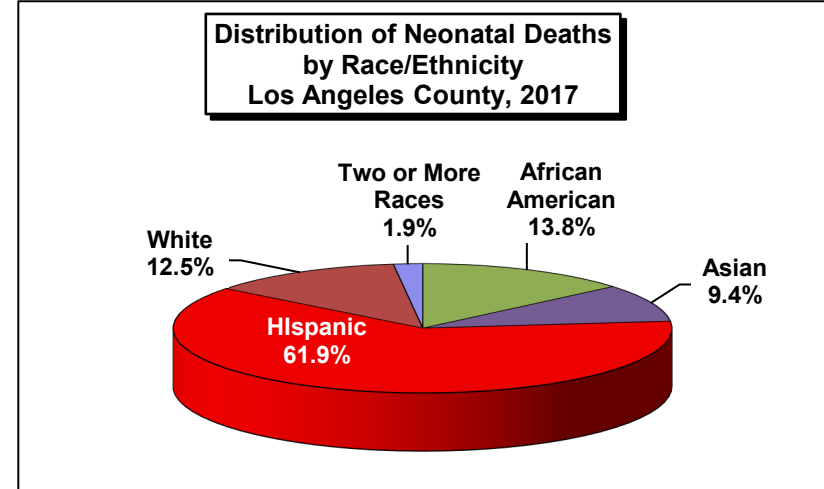
Sources: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017

Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Linked Birth/Infant Death Records 2008-2017 (for state birth data)



Los Angeles County, 2017				
Race/Ethnicity	Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	44	5.5	3.8	7.1
Asian	30	1.6	1.0	2.2
Pacific Islander	<5	N/C	N/C	N/C
Hispanic	198	3.1	2.7	3.5
Native American	<5	N/C	N/C	N/C
White	40	1.8	1.2	2.4
Two or More Races	6	2.9	0.6	5.2
Other/Unknown	<5	N/C	N/C	N/C
Total	320	2.7	2.4	3.0

Total Live Births
8,064
18,490
260
64,091
160
22,185
2,069
1,531
116,850



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 Department of Public Health, Birth and Death Statistical Master Files, 2008-2017

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)

RISK FACTORS:

Congenital anomalies; injuries; infection in late pregnancy; family history of SIDS; maternal smoking or drug use; young maternal age (teen births); race/ethnicity (African American, Puerto Rican)

See also risk factors for infant mortality.

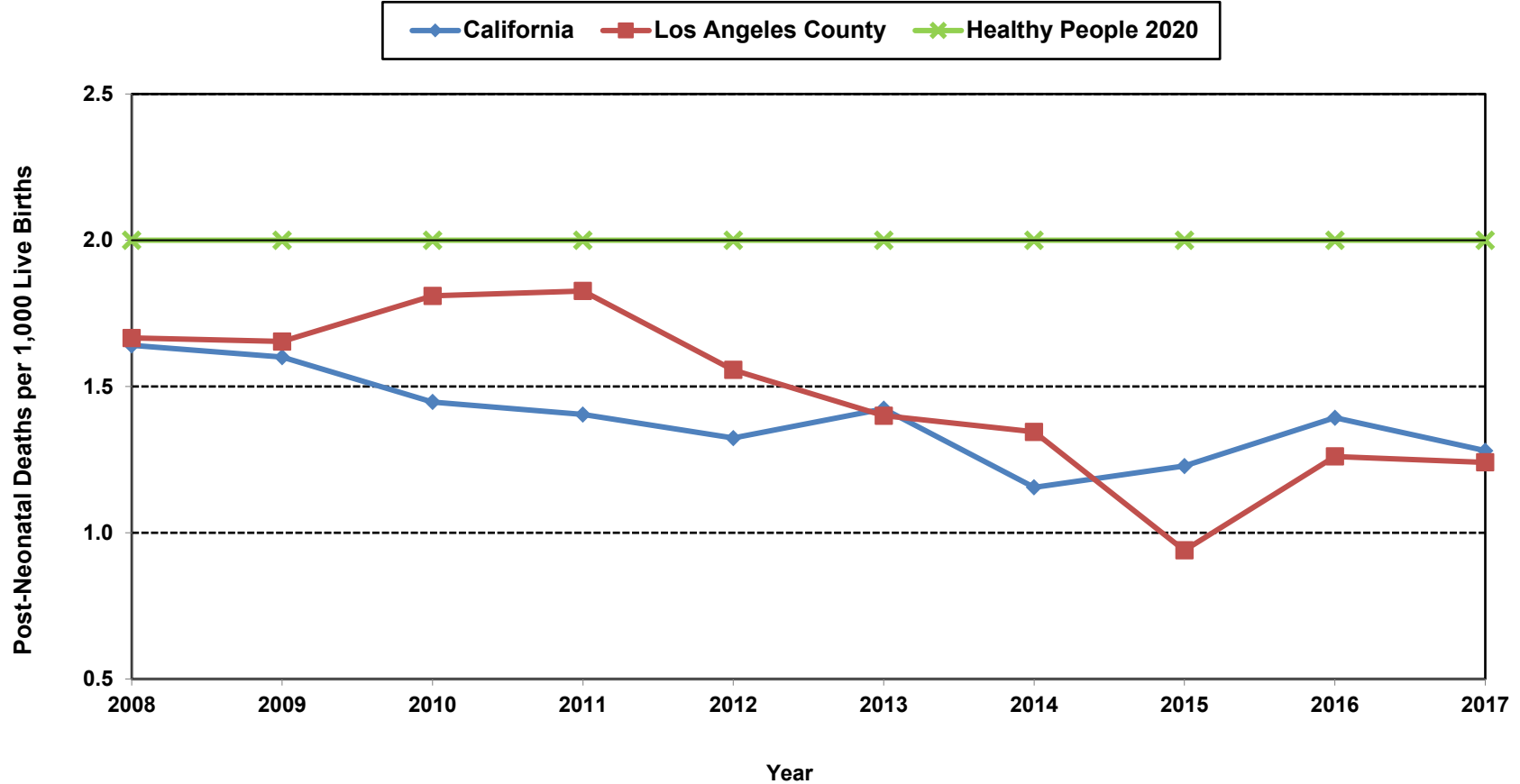
Year	California				Los Angeles County				Denominator: Live Births		
	Post-Neonatal Mortality		95% Confidence Interval		Post-Neonatal Mortality		95% Confidence Interval		Year	California	LA County
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper			
2008	905	1.6	1.5	1.7	246	1.7	1.5	1.9	2008	551,567	147,684
2009	843	1.6	1.5	1.7	231	1.7	1.4	1.9	2009	526,774	139,679
2010	738	1.4	1.3	1.6	241	1.8	1.6	2.0	2010	509,979	133,160
2011	705	1.4	1.3	1.5	238	1.8	1.6	2.1	2011	502,023	130,313
2012	667	1.3	1.2	1.4	205	1.6	1.3	1.8	2012	503,788	131,697
2013	704	1.4	1.3	1.5	180	1.4	1.2	1.6	2013	494,392	128,526
2014	581	1.2	1.1	1.2	175	1.3	1.1	1.5	2014	502,973	130,150
2015	604	1.2	1.1	1.3	117	0.9	0.8	1.1	2015	491,748	124,507
2016	681	1.4	1.3	1.5	155	1.3	1.1	1.5	2016	488,827	122,941
2017	604	1.3	1.2	1.4	145	1.2	1.0	1.4	2017	471,658	116,850

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

Sources: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017

Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Linked Birth/Infant Death Records 2008-2017
(for state birth data)

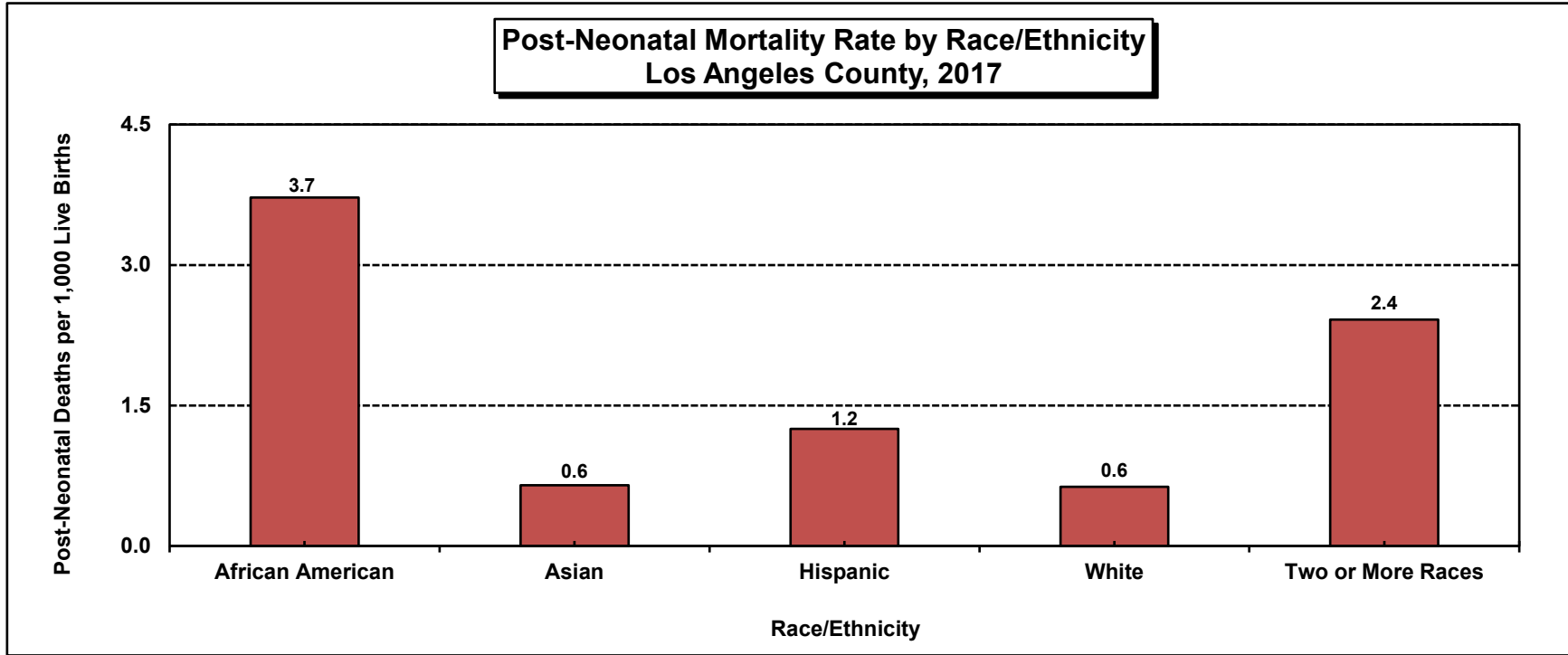
Post-Neonatal Mortality Rate California vs. Los Angeles County, 2008-2017



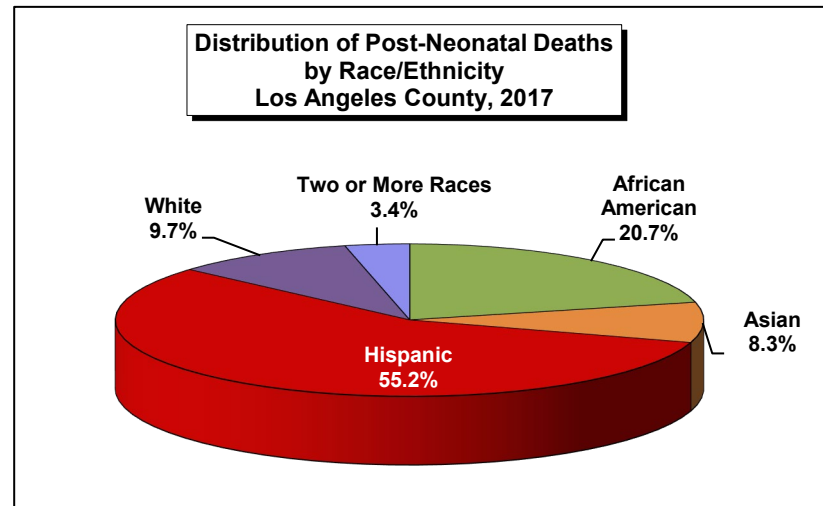
Year 2020 Objective: Reduce the post-neonatal mortality rate to no more than 2.0 per 1,000 live births.

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

Sources: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017
Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Linked Birth/Infant Death Records 2008-2017 (for state birth data)



Los Angeles County, 2017					Total Live Births
Race/Ethnicity	Post-Neonatal Mortality		95% Confidence Interval		
	Deaths	Rate	Lower	Upper	
African American	30	3.7	2.4	5.0	8,064
Asian	12	0.6	0.3	1.0	18,490
Pacific Islander	<5	N/C	N/C	N/C	260
Hispanic	80	1.2	1.0	1.5	64,091
Native American	<5	N/C	N/C	N/C	160
White	14	0.6	0.3	1.0	22,185
Two or More Races	5	2.4	0.3	4.5	2,069
Other/Unknown	<5	N/C	N/C	N/C	1,531
Total	145	1.2	1.0	1.4	116,850



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

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

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

Source: California Department of Public Health, Birth and Death Statistical Master Files, 2008-2017