

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)

RISK FACTORS:

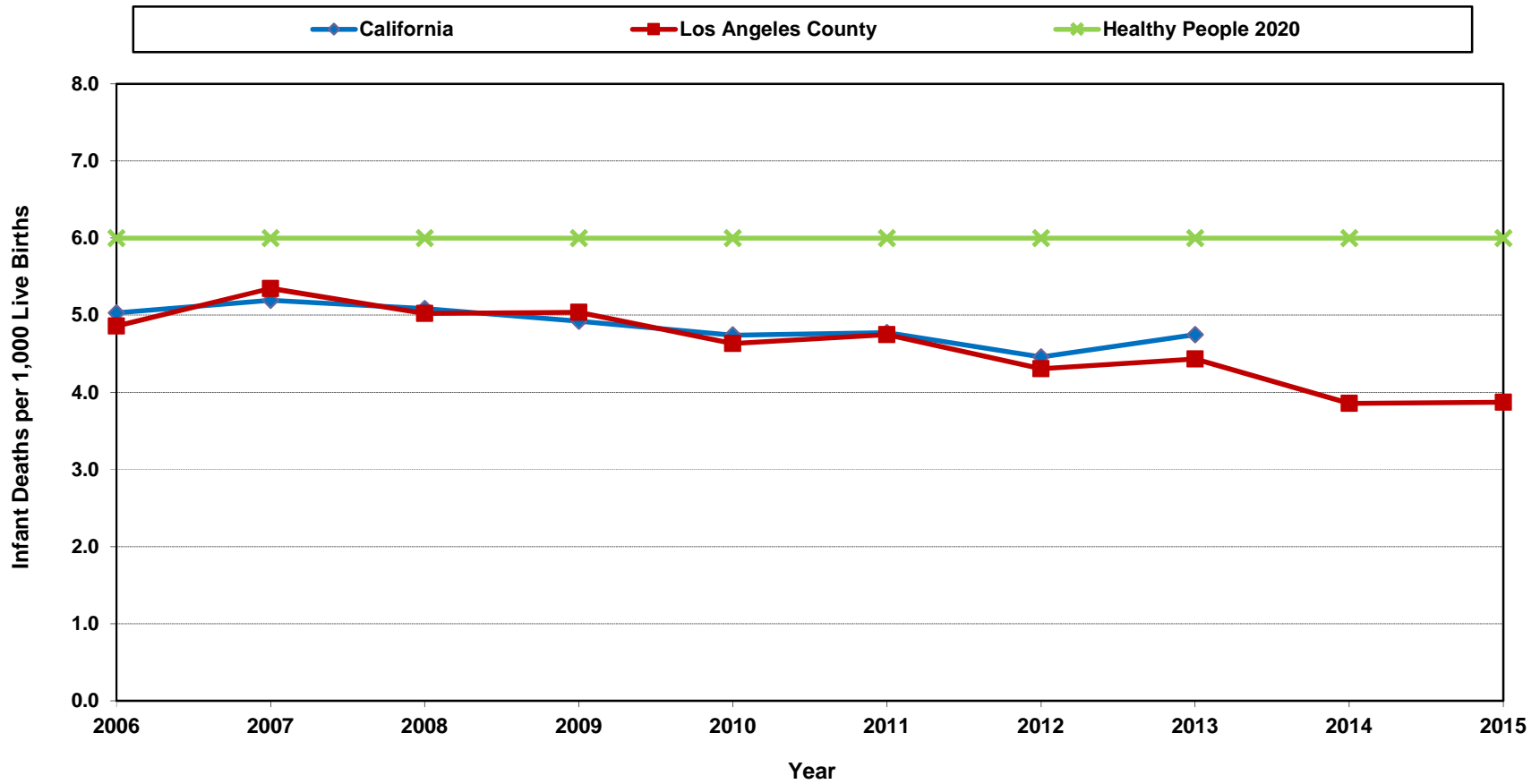
Race/ethnicity; prematurity/disorders related to short gestation; low birth weight; congenital anomalies; young maternal age; low maternal education level; maternal tobacco use; maternal alcohol or substance use/abuse; poor maternal nutrition; inadequate prenatal care; unintended pregnancy; maternal psychosocial problems; maternal medical complications/chronic illness during pregnancy (including diabetes); pregnancy complications; short interpregnancy interval; injury (including domestic violence); infection; respiratory distress syndrome; family history of SIDS

Year	California				Los Angeles County			
	Infant Mortality		95% Confidence Interval		Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2006	2,829	5.0	4.8	5.2	738	4.9	4.5	5.2
2007	2,941	5.2	5.0	5.4	812	5.3	5.0	5.7
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	#N/A	#N/A	#N/A	#N/A	502	3.9	3.5	4.2
2015	#N/A	#N/A	#N/A	#N/A	482	3.9	3.5	4.2

Denominator: Live Births		
Year	California	LA County
2006	562,157	151,837
2007	566,137	151,813
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	#N/A	124,507

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015

Infant Deaths per 1,000 Live Births California vs. Los Angeles County, 2006-2015

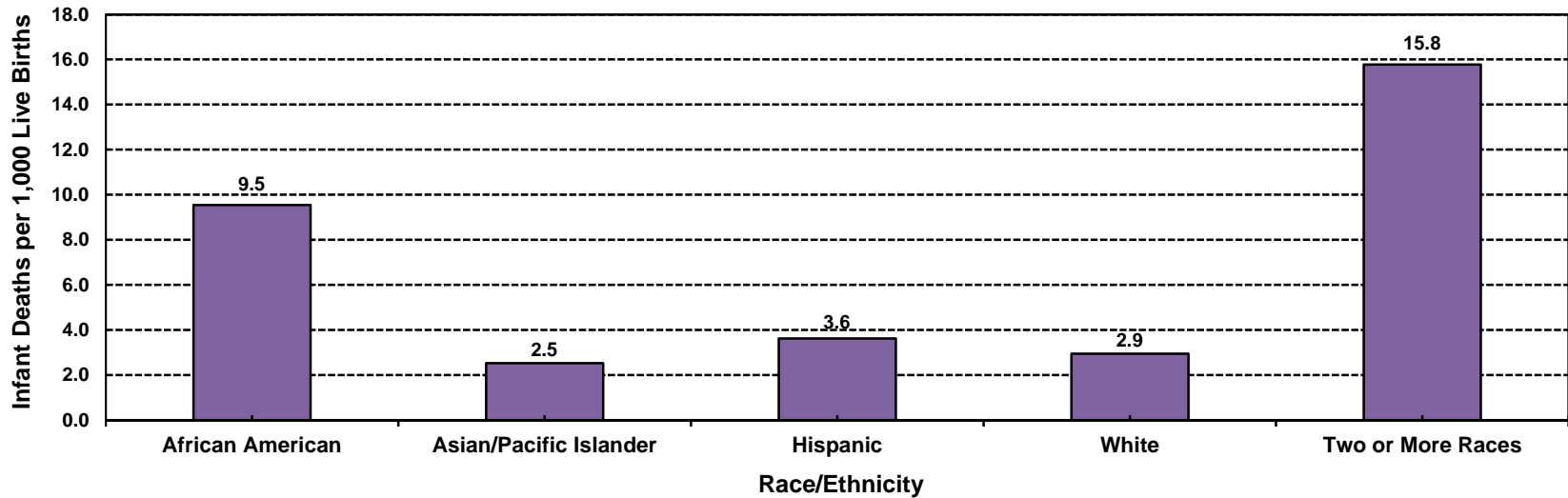


Note: California data for 2014 - 2015 was unavailable at the time of this report.

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

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015

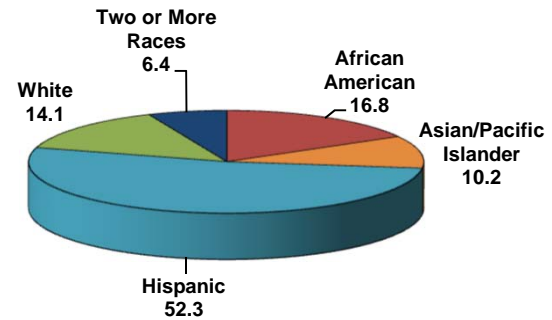
**Infant Mortality Rate by Race/Ethnicity
Los Angeles County, 2015**



Los Angeles County, 2015				
Race/Ethnicity	Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	81	9.5	7.5	11.6
Asian/Pacific Islander	49	2.5	1.8	3.2
Hispanic	252	3.6	3.2	4.1
Native American	<5	N/C	N/C	N/C
White	68	2.9	2.2	3.6
Two or More Races	31	15.8	10.3	21.3
Other/Unknown	<5	N/C	N/C	N/C
Total	482	3.9	3.5	4.2

Total Live Births
8,497
19,417
69,724
156
23,169
1,965
1,579
124,507

**Percent Distribution of Infant Deaths
by Race/Ethnicity
Los Angeles County, 2015**



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 infant deaths occurring less than 365 days per 1,000 live births.

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

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, Center for Health Statistics, OHIR Vital Statistics Section, 2015

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)

RISK FACTORS:

Congenital anomalies; respiratory distress syndrome; short gestation; low birth weight; maternal complications; race/ethnicity (African American, Puerto Rican)

See also risk factors for infant mortality.

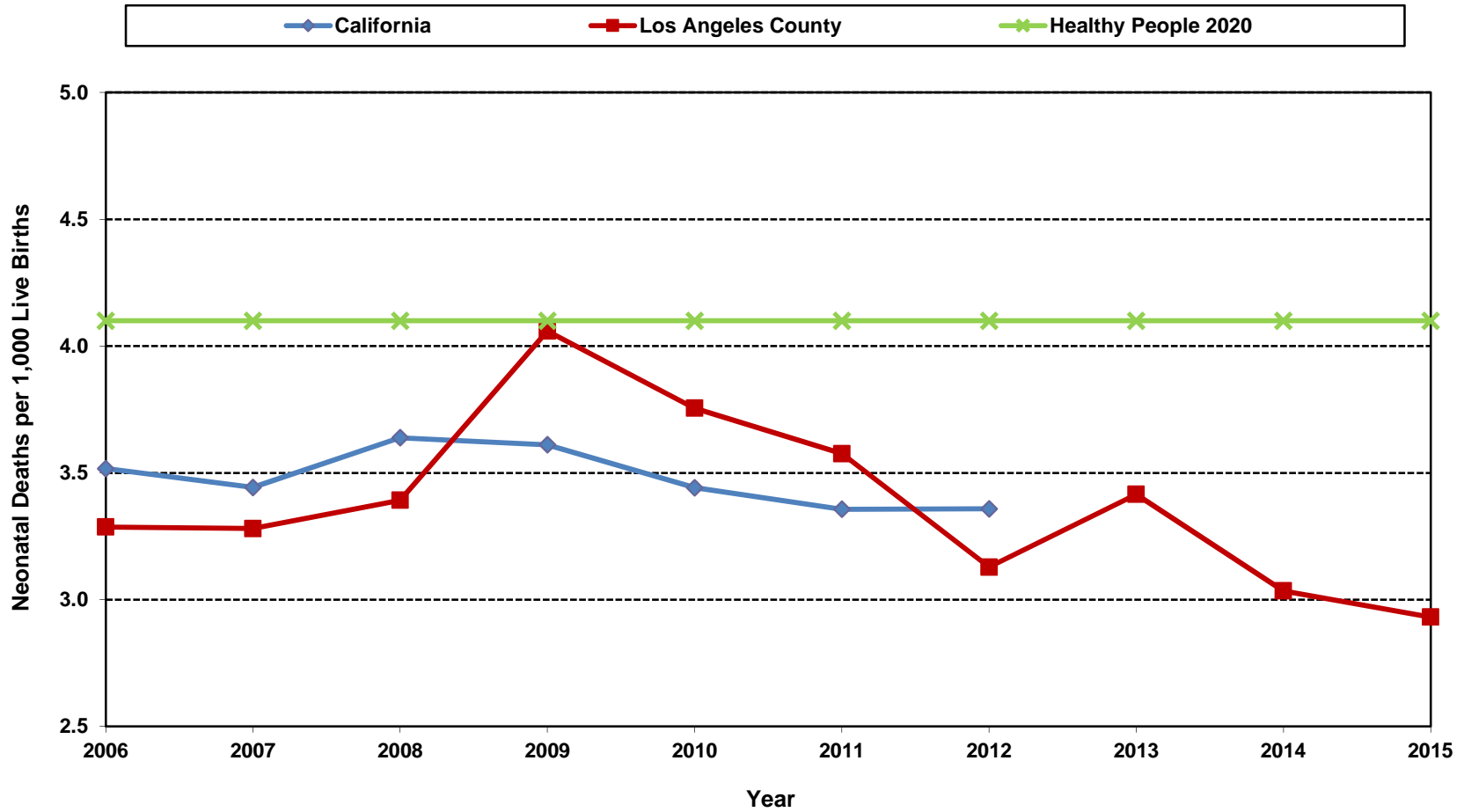
Year	California				Los Angeles County			
	Neonatal Mortality		95% Confidence Interval		Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2006	1,977	3.5	3.4	3.7	499	3.3	3.0	3.6
2007	1,949	3.4	3.3	3.6	498	3.3	3.0	3.6
2008	2,007	3.6	3.5	3.8	501	3.4	3.1	3.7
2009	1,902	3.6	3.4	3.8	567	4.1	3.7	4.4
2010	1,755	3.4	3.3	3.6	500	3.8	3.4	4.1
2011	1,685	3.4	3.2	3.5	466	3.6	3.3	3.9
2012	1,692	3.4	3.2	3.5	412	3.1	2.8	3.4
2013	#N/A	#N/A	#N/A	#N/A	439	3.4	3.1	3.7
2014	#N/A	#N/A	#N/A	#N/A	395	3.0	2.7	3.3
2015	#N/A	#N/A	#N/A	#N/A	365	2.9	2.6	3.2

Year	Denominator: Live Births	
	California	LA County
2006	562,157	151,837
2007	566,137	151,813
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	#N/A	124,507

Note: Reduce neonatal deaths to no more than 4.1 per 1,000 live births.
California data for 2013 - 2015 was unavailable at the time of this report.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015

Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 2006-2015

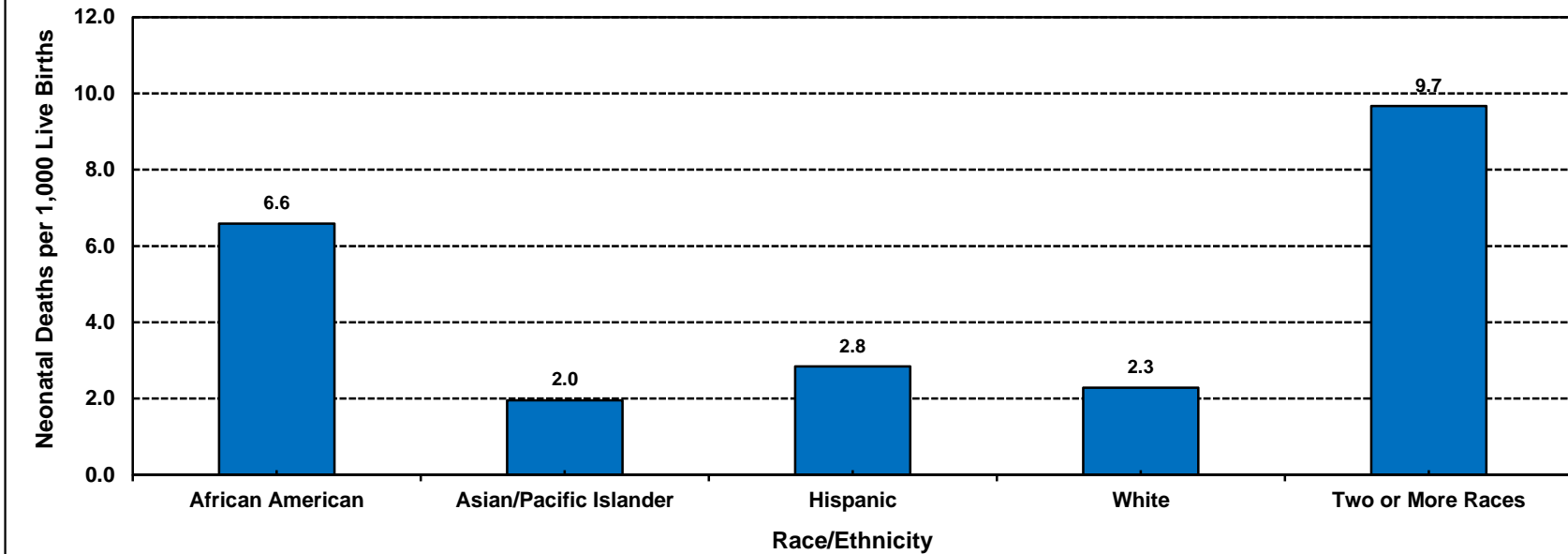


Note: California data for 2013 - 2015 was unavailable at the time of this report.

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

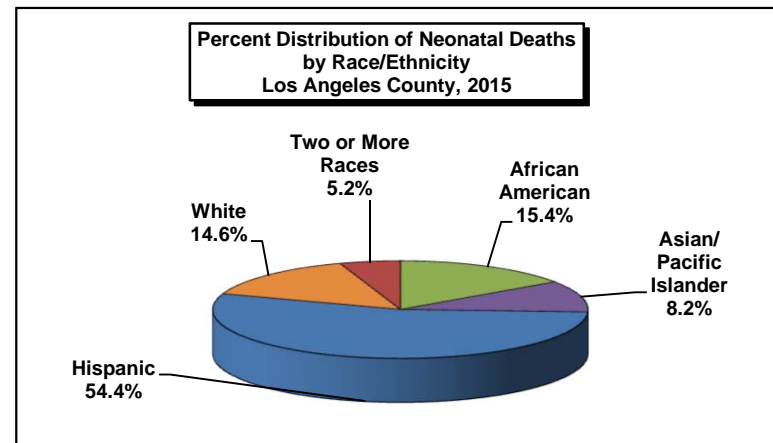
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015

Neonatal Mortality Rate by Race/Ethnicity Los Angeles County, 2015



Los Angeles County, 2015				
Race/Ethnicity	Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	56	6.6	4.9	8.3
Asian/Pacific Islander	38	2.0	1.3	2.6
Hispanic	198	2.8	2.4	3.2
Native American	<5	N/C	N/C	N/C
White	53	2.3	1.7	2.9
Two or More Races	19	9.7	5.3	14.0
Other/Unknown	<5	N/C	N/C	N/C
Total	365	2.9	2.6	3.2

Total Live Births
8,497
19,417
69,724
156
23,169
1,965
1,579
124,507



Year 2020 Objective: Reduce neonatal deaths 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.

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

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, Center for Health Statistics, OHIR Vital Statistics Section, 2015

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			
	Post-Neonatal Mortality		95% Confidence Interval		Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2006	936	1.7	1.6	1.8	250	1.6	1.4	1.9
2007	880	1.6	1.5	1.7	253	1.7	1.5	1.9
2008	934	1.7	1.6	1.8	246	1.7	1.5	1.9
2009	904	1.7	1.6	1.8	231	1.7	1.4	1.9
2010	838	1.6	1.5	1.8	241	1.8	1.6	2.0
2011	734	1.5	1.4	1.6	238	1.8	1.6	2.1
2012	705	1.4	1.3	1.5	205	1.6	1.3	1.8
2013	#N/A	#N/A	#N/A	#N/A	180	1.4	1.2	1.6
2014	#N/A	#N/A	#N/A	#N/A	175	1.3	1.1	1.5
2015	#N/A	#N/A	#N/A	#N/A	117	0.9	0.8	1.1

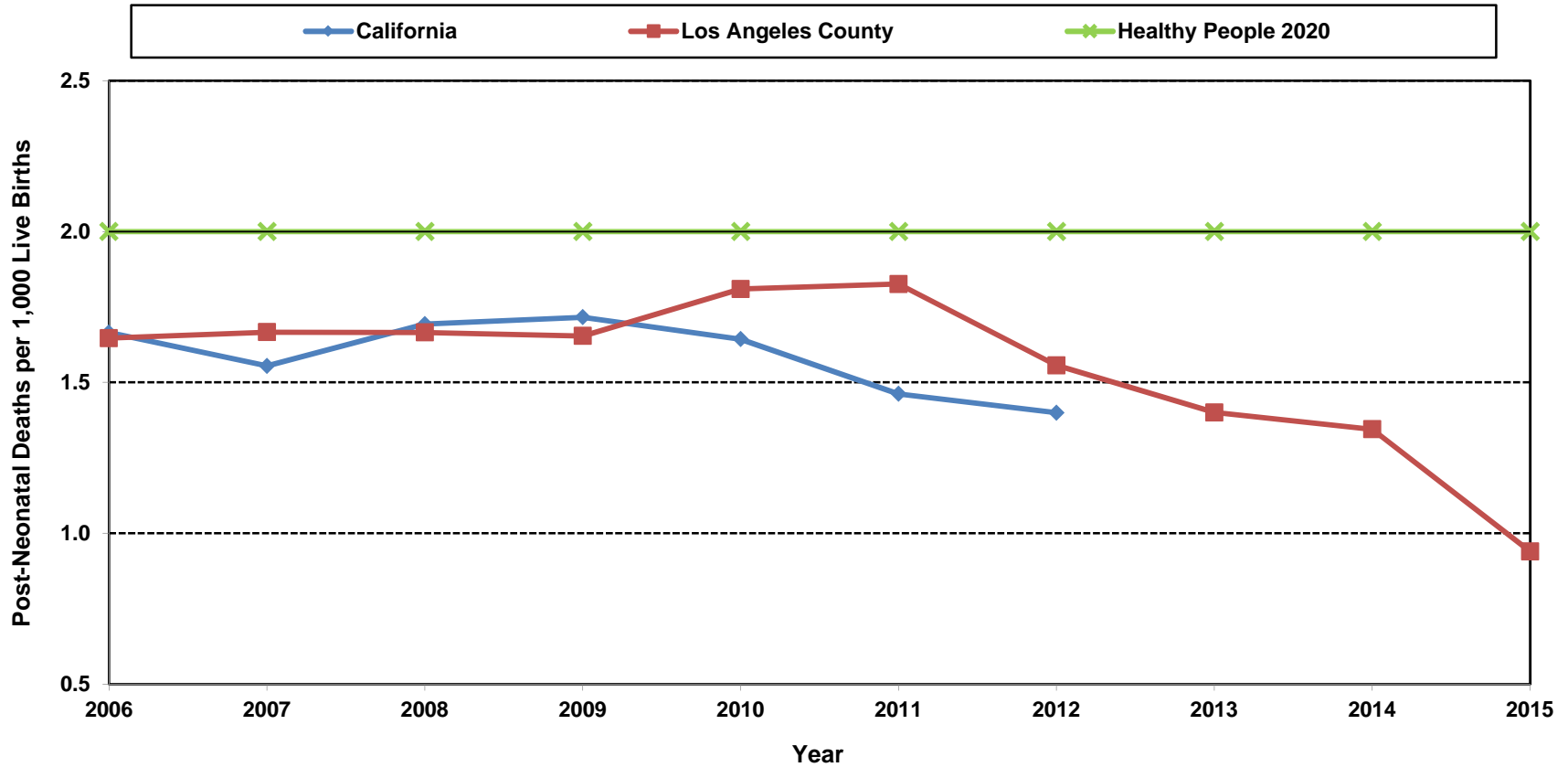
Year	Denominator: Live Births	
	California	LA County
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	128,526
2014	502,973	130,150
2015	#N/A	124,507

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

California data for 2013 - 2015 was unavailable at the time of this report.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006-2015

**Post-Neonatal Deaths per 1,000 Live Births
California vs. Los Angeles County, 2006-2015**

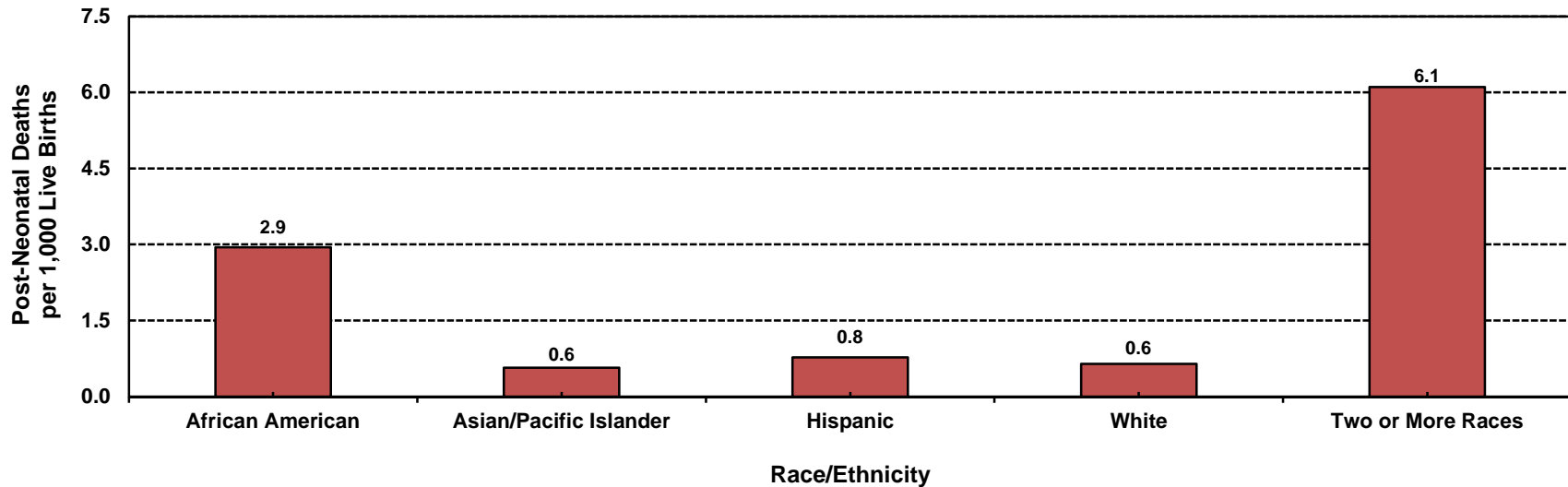


Note: California data for 2013 - 2015 was unavailable at the time of this report.

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

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015

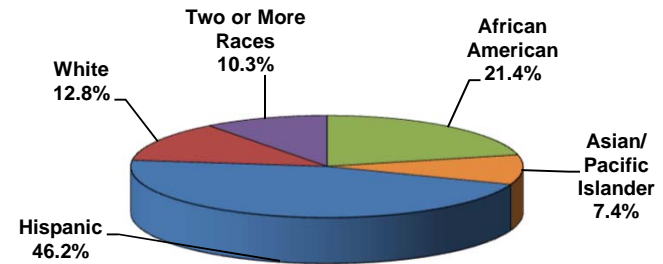
**Post-Neonatal Mortality Rate by Race/Ethnicity
Los Angeles County, 2015**



Los Angeles County, 2015				
Race/Ethnicity	Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	25	2.9	1.8	4.1
Asian/Pacific Islander	11	0.6	0.2	0.9
Hispanic	54	0.8	0.6	1.0
Native American	<5	N/C	N/C	N/C
White	15	0.6	0.3	1.0
Two or More Races	12	6.1	2.7	9.6
Other/Unknown	<5	N/C	N/C	N/C
Total	117	0.9	0.8	1.1

Total Live Births
8,497
19,417
69,724
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124,507

**Percent Distribution of Post-Neonatal Deaths
by Race/Ethnicity
Los Angeles County, 2015**



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

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

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

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, Center for Health Statistics, OHIR Vital Statistics Section, 2015