

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 2010 OBJECTIVE:

Reduce the infant mortality rate to no more than 4.5 per 1,000 live births.
(Baseline: 7.2 per 1,000 live births in 1998) (Objective 16-1c)

RISK FACTORS:

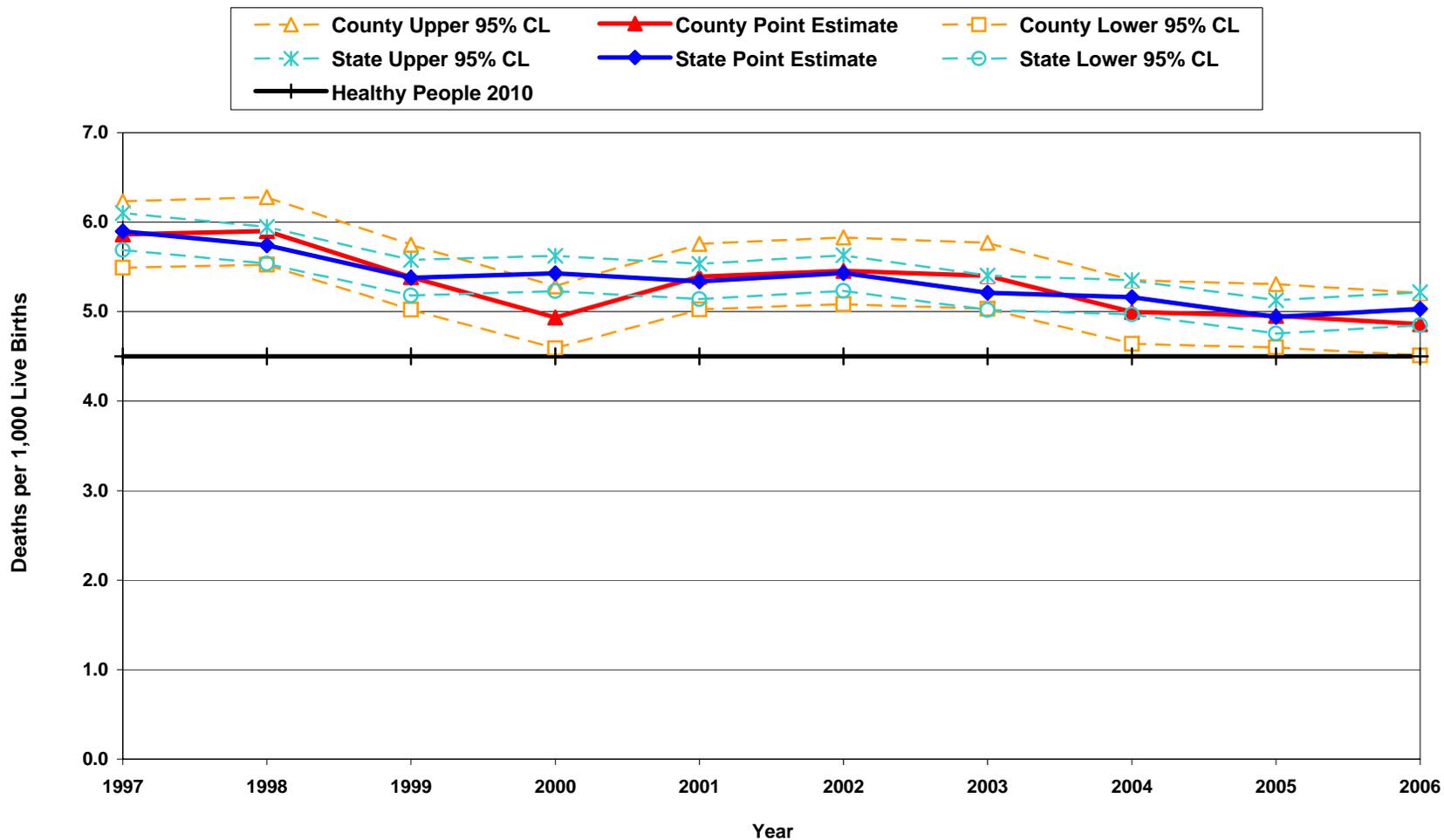
Race/ethnicity; prematurity/disorders related to short gestation; low birth weight; congenital anomalies; young maternal age; low maternal education level; maternal tobacco use; maternal alcohol or substance use/abuse; poor maternal nutrition; inadequate prenatal care; unintended pregnancy; maternal 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
1997	3,091	5.9	5.7	6.1	950	5.9	5.5	6.2
1998	2,994	5.7	5.5	5.9	936	5.9	5.5	6.3
1999	2,787	5.4	5.2	5.6	841	5.4	5.0	5.7
2000	2,884	5.4	5.2	5.6	777	4.9	4.6	5.3
2001	2,815	5.3	5.1	5.5	828	5.4	5.0	5.8
2002	2,875	5.4	5.2	5.6	825	5.5	5.1	5.8
2003	2,819	5.2	5.0	5.4	822	5.4	5.0	5.8
2004	2,811	5.2	5.0	5.4	757	5.0	4.6	5.4
2005	2,712	4.9	4.8	5.1	745	5.0	4.6	5.3
2006	2,829	5.0	4.8	5.2	738	4.9	4.5	5.2

Denominator: Live Births		
Year	California	LA County
1997	524,174	162,036
1998	521,265	158,604
1999	518,073	156,153
2000	531,285	157,391
2001	527,371	153,523
2002	529,245	151,167
2003	540,827	152,192
2004	544,685	151,504
2005	548,700	150,377
2006	562,157	151,837

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

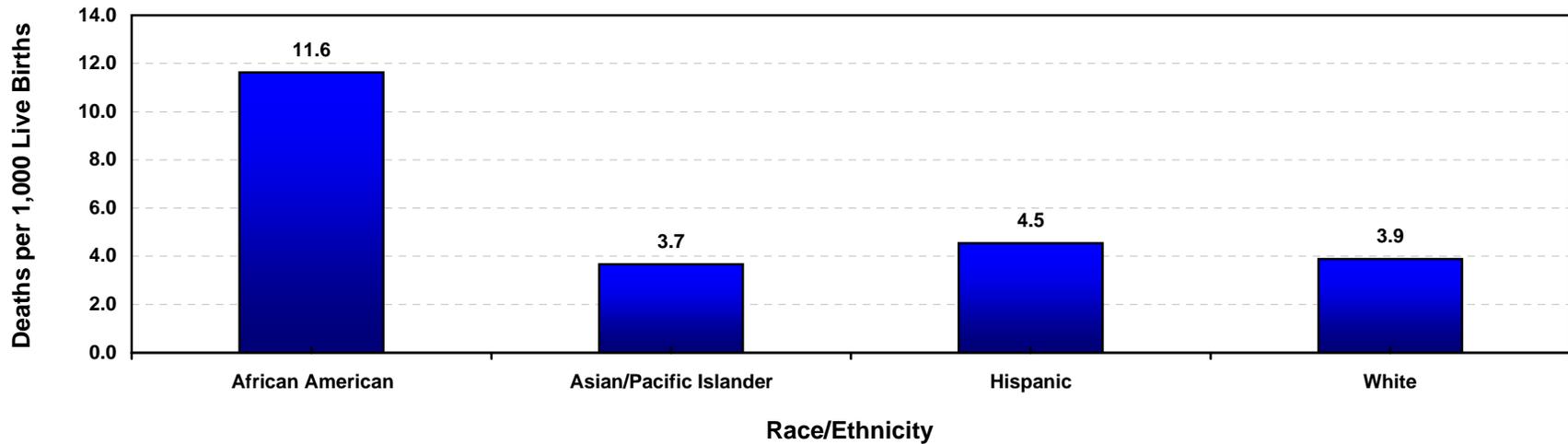
Infant Deaths per 1,000 Live Births California vs. Los Angeles County, 1997-2006



Year 2010 Objective: Reduce the infant mortality rate to no more than 4.5 per 1,000 live births.

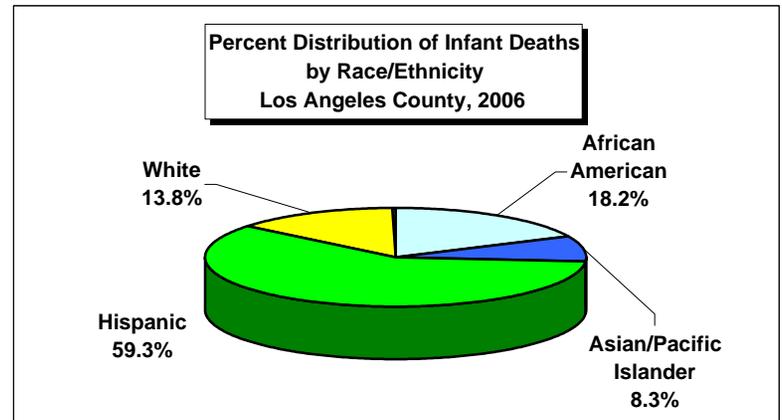
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

**Infant Mortality Rate by Race/Ethnicity
Los Angeles County, 2006**



Los Angeles County, 2006				
Race/Ethnicity	Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	134	11.6	9.7	13.6
Asian/Pacific Islander	61	3.7	2.7	4.6
Hispanic	438	4.5	4.1	5.0
Native American	0	N/C	N/C	N/C
White	102	3.9	3.1	4.6
Other/Unknown	3	N/C	N/C	N/C
Total	738	4.9	4.5	5.2

Total Live Births
11,531
16,665
96,490
235
26,279
637
151,837



Year 2010 Objective: Reduce the infant mortality rate to no more than 4.5 per 1,000 live births.

Note: Infant mortality rate is defined as infant deaths occurring less than 365 days per 1,000 live births.

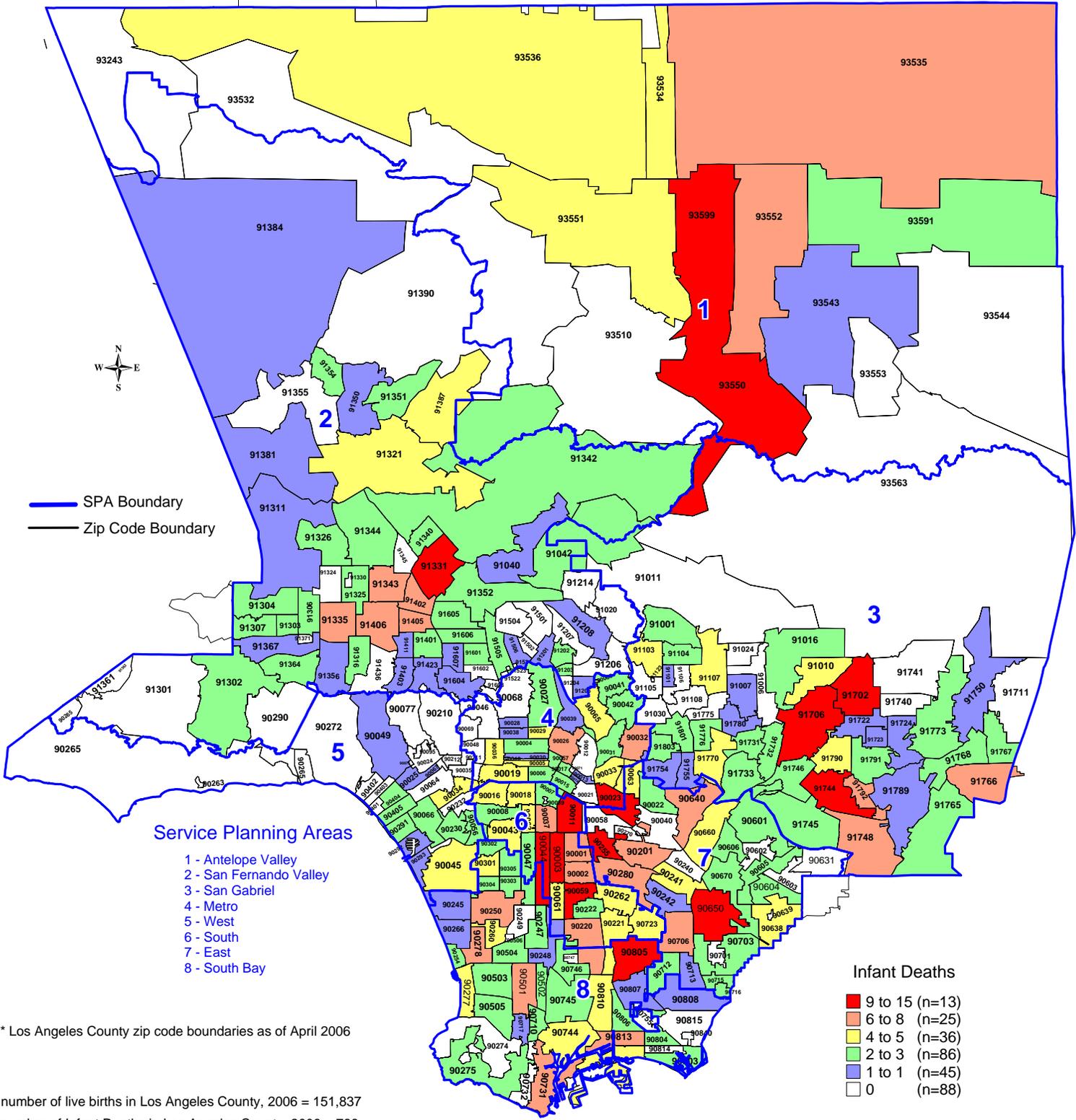
African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

Rates are not calculated (N/C) if fewer than five deaths.

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

Number of Infant Deaths by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2006

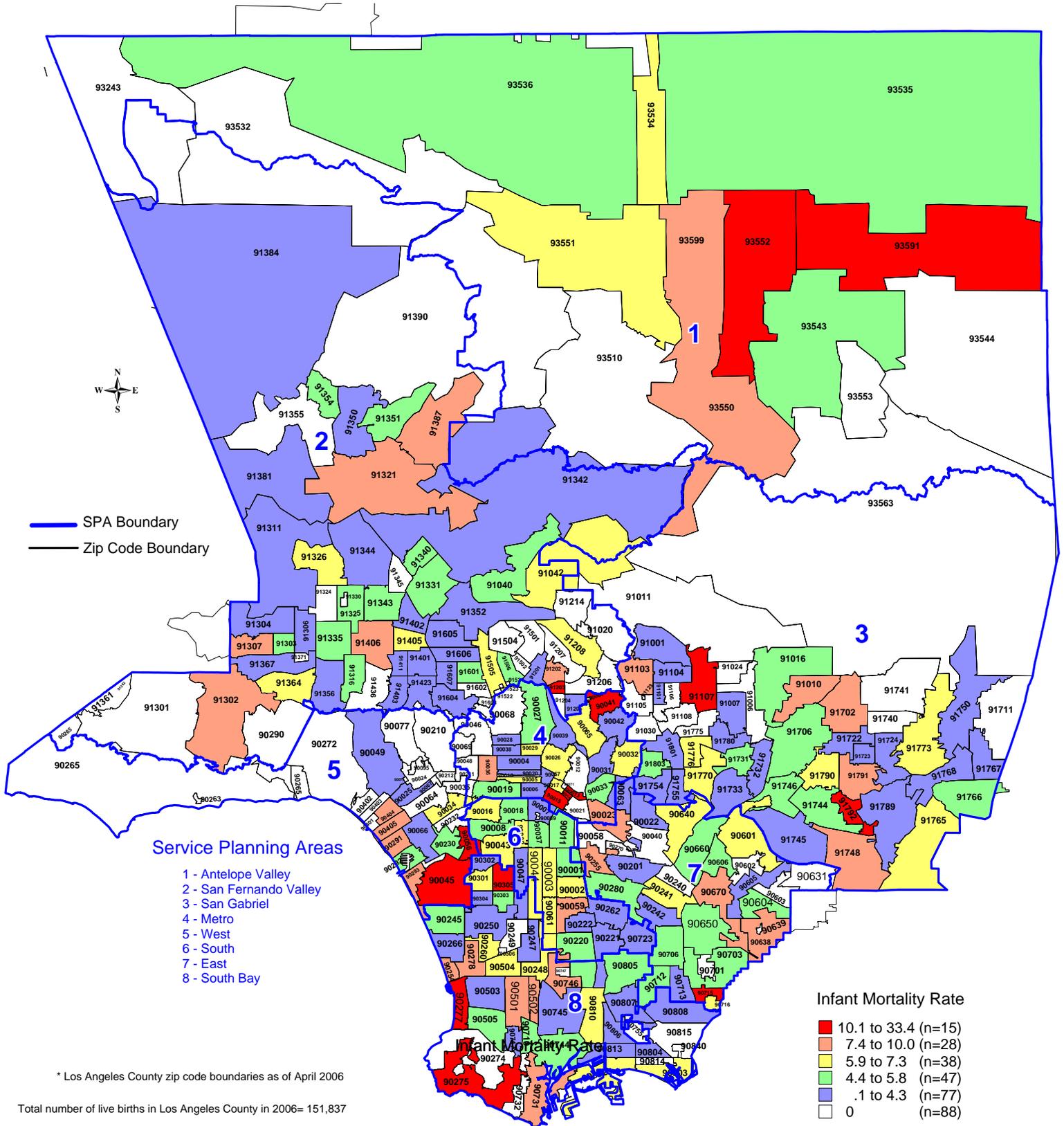


Note: Infant Death is defined as deaths occurring at less than 365 days of age

n = total number of zip codes in range

Infant Mortality Rate by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2006



* Los Angeles County zip code boundaries as of April 2006

Total number of live births in Los Angeles County in 2006= 151,837

Infant mortality rate in Los Angeles County, 2006 = 4.9 per 1,000 live birth

HP2010 Target : 4.5 per 1,000 live births

Note: Infant mortality rate is defined as deaths occurring at less than 365 days of age per 1,000 live births

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

n = total number of zip codes in range

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 2010 OBJECTIVE:

Reduce the neonatal mortality rate to no more than 2.9 per 1,000 live births.
(Baseline: 4.8 per 1,000 live births in 1998) (Objective 16-1d)

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.

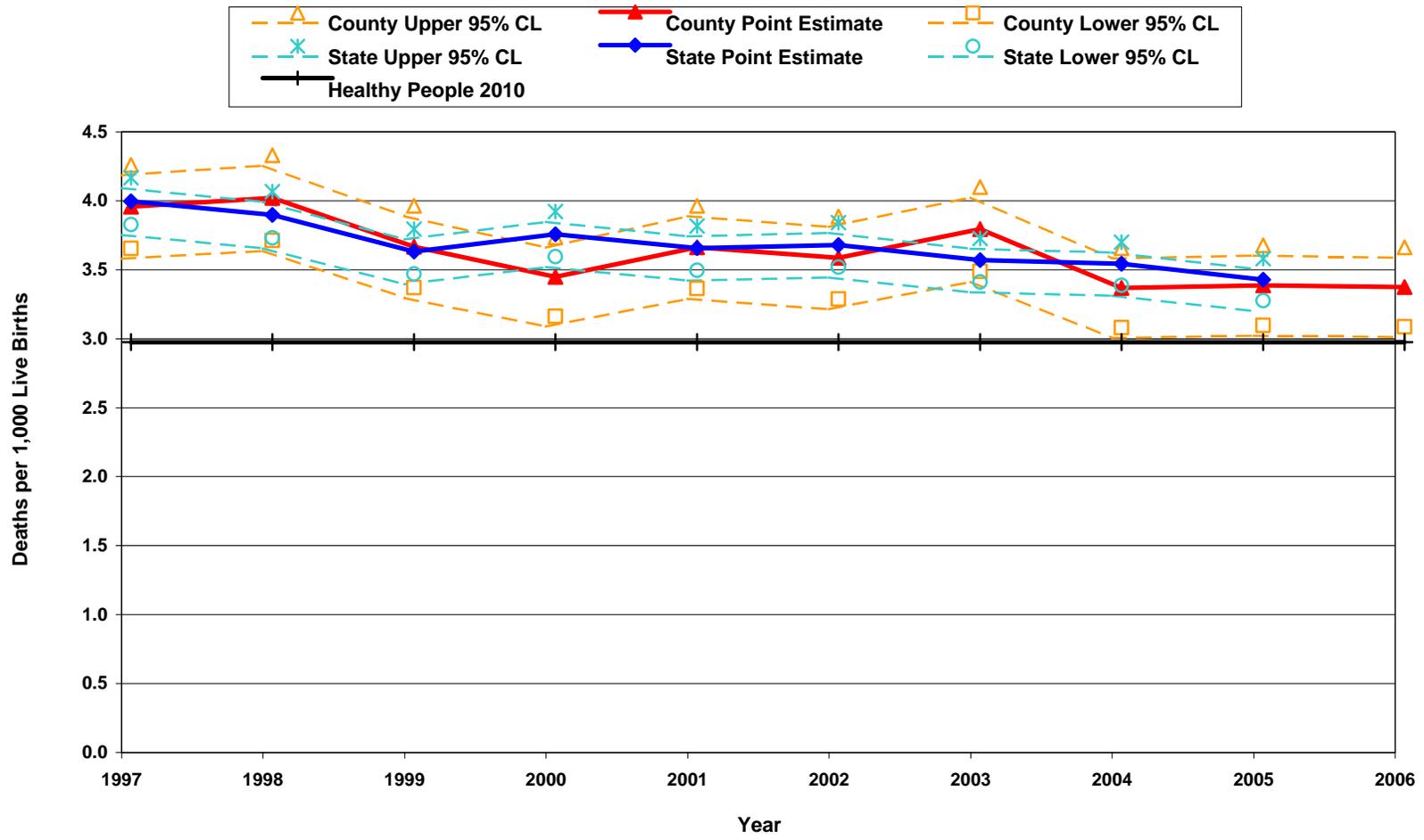
Year	California				Los Angeles County			
	Neonatal Mortality		95% Confidence Interval		Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
1997	2,056	3.9	3.8	4.1	629	3.9	3.6	4.2
1998	1,993	3.8	3.7	4.0	626	3.9	3.6	4.3
1999	1,843	3.6	3.4	3.7	561	3.6	3.3	3.9
2000	1,957	3.7	3.5	3.8	531	3.4	3.1	3.7
2001	1,889	3.6	3.4	3.7	551	3.6	3.3	3.9
2002	1,908	3.6	3.4	3.8	531	3.5	3.2	3.8
2003	1,890	3.5	3.3	3.7	566	3.7	3.4	4.0
2004	1,889	3.5	3.3	3.6	499	3.3	3.0	3.6
2005	1,840	3.4	3.2	3.5	498	3.3	3.0	3.6
2006	NA	NA	NA	NA	501	3.3	3.0	3.6

Year	Denominator: Live Births	
	California	LA County
1997	524,174	162,036
1998	521,265	158,604
1999	518,073	156,153
2000	531,285	157,391
2001	527,371	153,523
2002	529,245	151,167
2003	540,827	152,192
2004	544,685	151,504
2005	548,700	150,377
2006	562,157	151,837

Notes: NA=Not Available

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 1997-2006

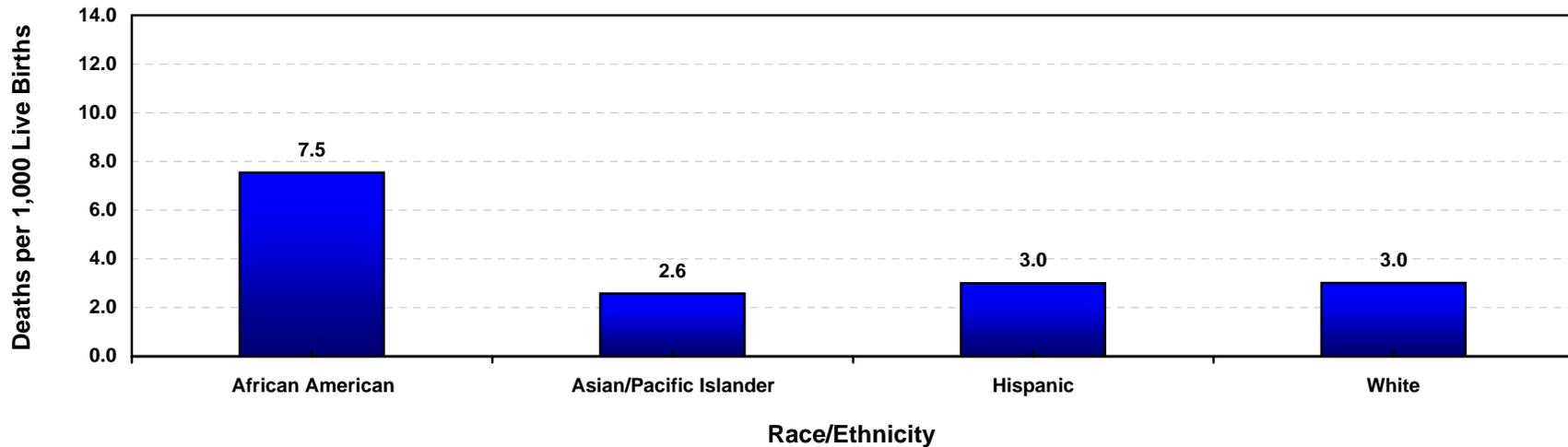


Year 2010 Objective: Reduce the neonatal mortality rate to no more than 2.9 per 1,000 live births.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

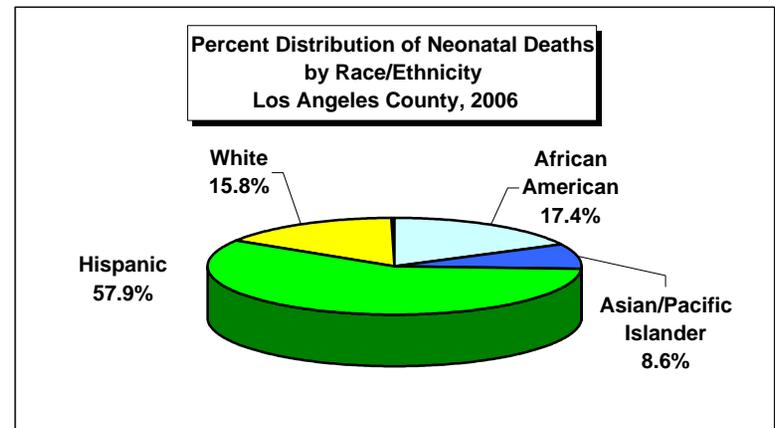
Note: 2006 California neonatal deaths not available

Neonatal Mortality Rate by Race/Ethnicity Los Angeles County, 2006



Los Angeles County, 2006				
Race/Ethnicity	Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	87	7.5	6.0	9.1
Asian/Pacific Islander	43	2.6	1.8	3.4
Hispanic	290	3.0	2.7	3.4
Native American	0	N/C	N/C	N/C
White	79	3.0	2.3	3.7
Other/Unknown	2	N/C	N/C	N/C
Total	501	3.3	3.0	3.6

Total Live Births
11,531
16,665
96,490
0
26,279
637
151,837



Year 2010 Objective: Reduce the neonatal mortality rate to no more than 2.9 per 1,000 live births.

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

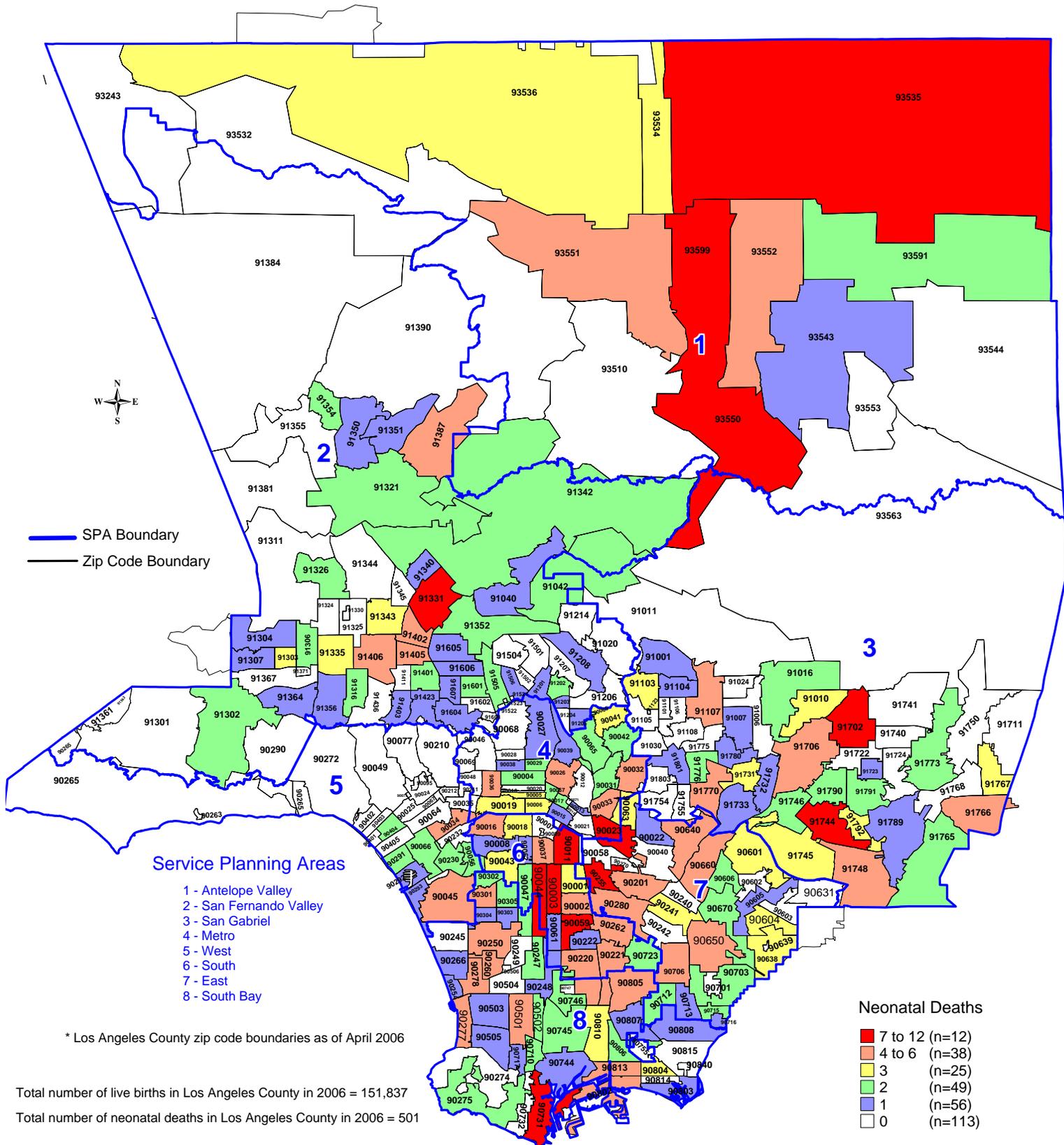
African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

Rates are not calculated (N/C) if fewer than five deaths.

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

Number of Neonatal Deaths by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2006

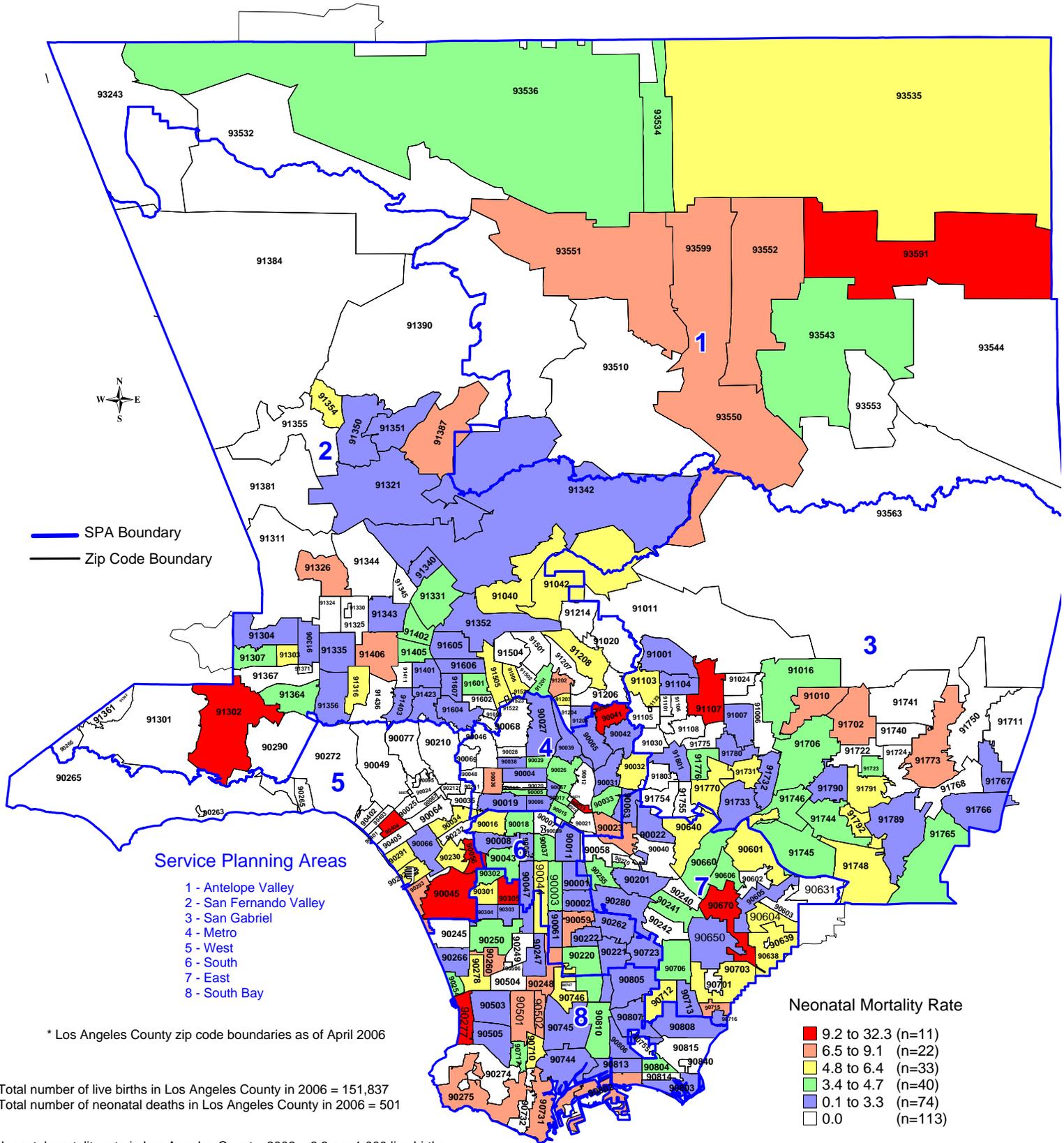


Note: Neonatal mortality rate is defined as deaths occurring at less than 28 days of age per 1,000 live births

n = total number of zip codes in range

Neonatal Mortality Rate by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2006



Total number of live births in Los Angeles County in 2006 = 151,837
 Total number of neonatal deaths in Los Angeles County in 2006 = 501

Neonatal mortality rate in Los Angeles County, 2006 = 3.3 per 1,000 live births

Note: Neonatal mortality rate is defined as deaths occurring at less than 28 days of age per 1,000 live births

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

n = total number of zip codes in range

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 2010 OBJECTIVE:

Reduce the post-neonatal mortality rate to no more than 1.2 per 1,000 live births.
(Baseline: 2.4 per 1,000 live births in 1998) (Objective 16-1e)

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.

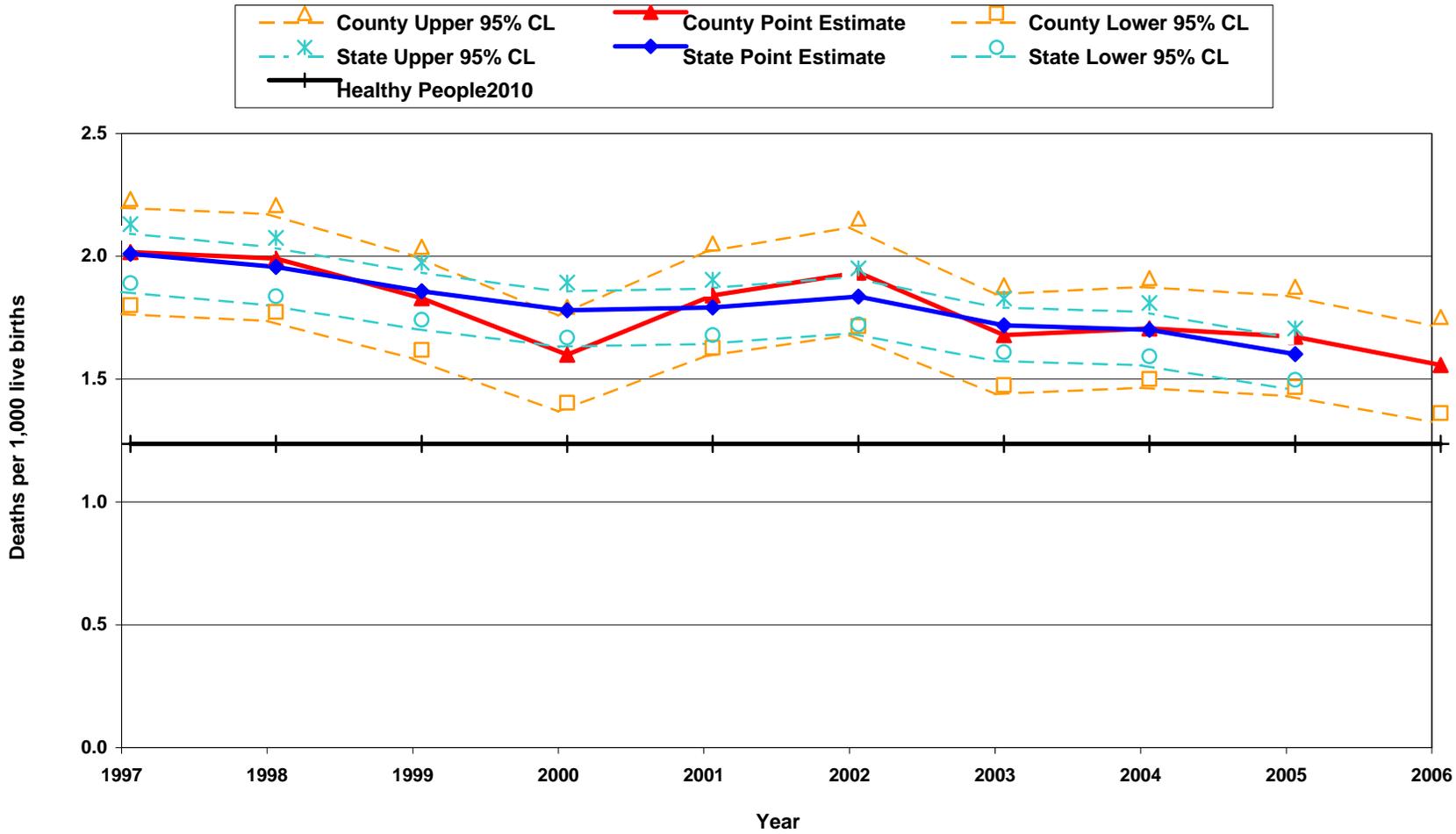
Year	California				Los Angeles County			
	Post-Neonatal Mortality		95% Confidence Interval		Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
1997	1,035	2.0	1.9	2.1	321	2.0	1.8	2.2
1998	1,001	1.9	1.8	2.0	310	2.0	1.7	2.2
1999	944	1.8	1.7	1.9	280	1.8	1.6	2.0
2000	927	1.7	1.6	1.9	246	1.6	1.4	1.8
2001	926	1.8	1.6	1.9	277	1.8	1.6	2.0
2002	953	1.8	1.7	1.9	287	1.9	1.7	2.1
2003	910	1.7	1.6	1.8	250	1.6	1.4	1.8
2004	907	1.7	1.6	1.8	253	1.7	1.5	1.9
2005	859	1.6	1.5	1.7	246	1.6	1.4	1.8
2006	NA	NA	NA	NA	231	1.5	1.3	1.7

Year	Denominator: Live Births	
	California	LA County
1997	524,174	162,036
1998	521,265	158,604
1999	518,073	156,153
2000	531,285	157,391
2001	527,371	153,523
2002	529,245	151,167
2003	540,827	152,192
2004	544,685	151,504
2005	548,700	150,377
2006	562,157	151,837

Note: NA=Not Available

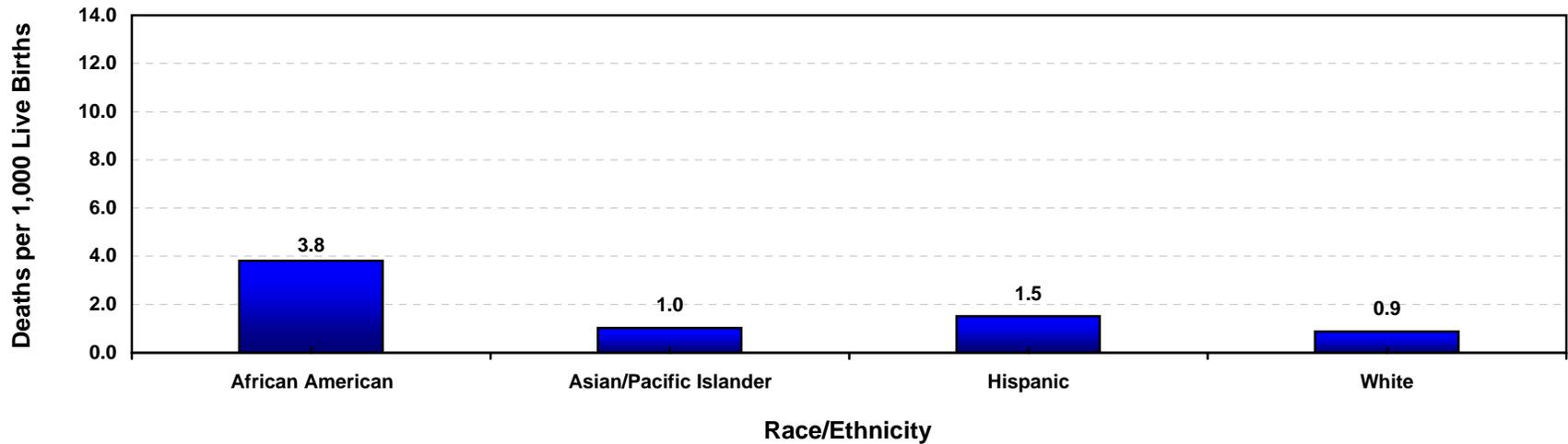
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.

Post-Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 1997-2006



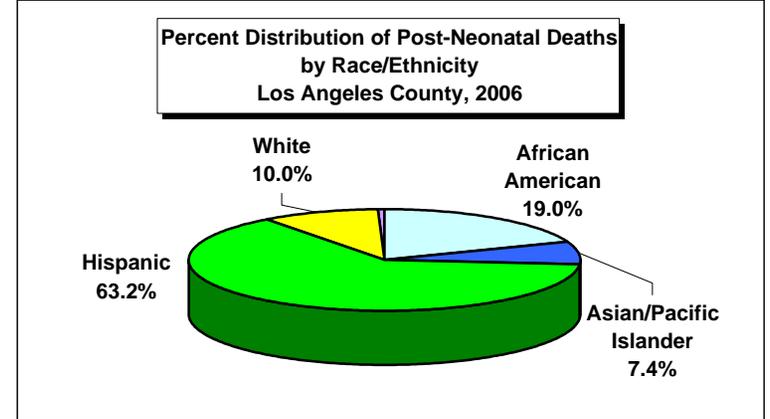
Year 2010 Objective: Reduce the neonatal mortality rate to no more than 1.2 per 1,000 live births.
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 1997-2006.
 Note: 2006 California postneonatal deaths not available.

Post-Neonatal Mortality Rate by Race/Ethnicity Los Angeles County, 2006



Los Angeles County, 2006				
Race/Ethnicity	Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	44	3.8	2.7	4.9
Asian/Pacific Islander	17	1.0	0.5	1.5
Hispanic	146	1.5	1.3	1.8
Native American	0	N/C	N/C	N/C
White	23	0.9	0.5	1.2
Other/Unknown	1	N/C	N/C	N/C
Total	231	1.5	1.3	1.7

Total Live Births
11,531
16,665
96,490
235
26,279
637
151,837



Year 2010 Objective: Reduce the post-neonatal mortality rate to no more than 1.2 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.

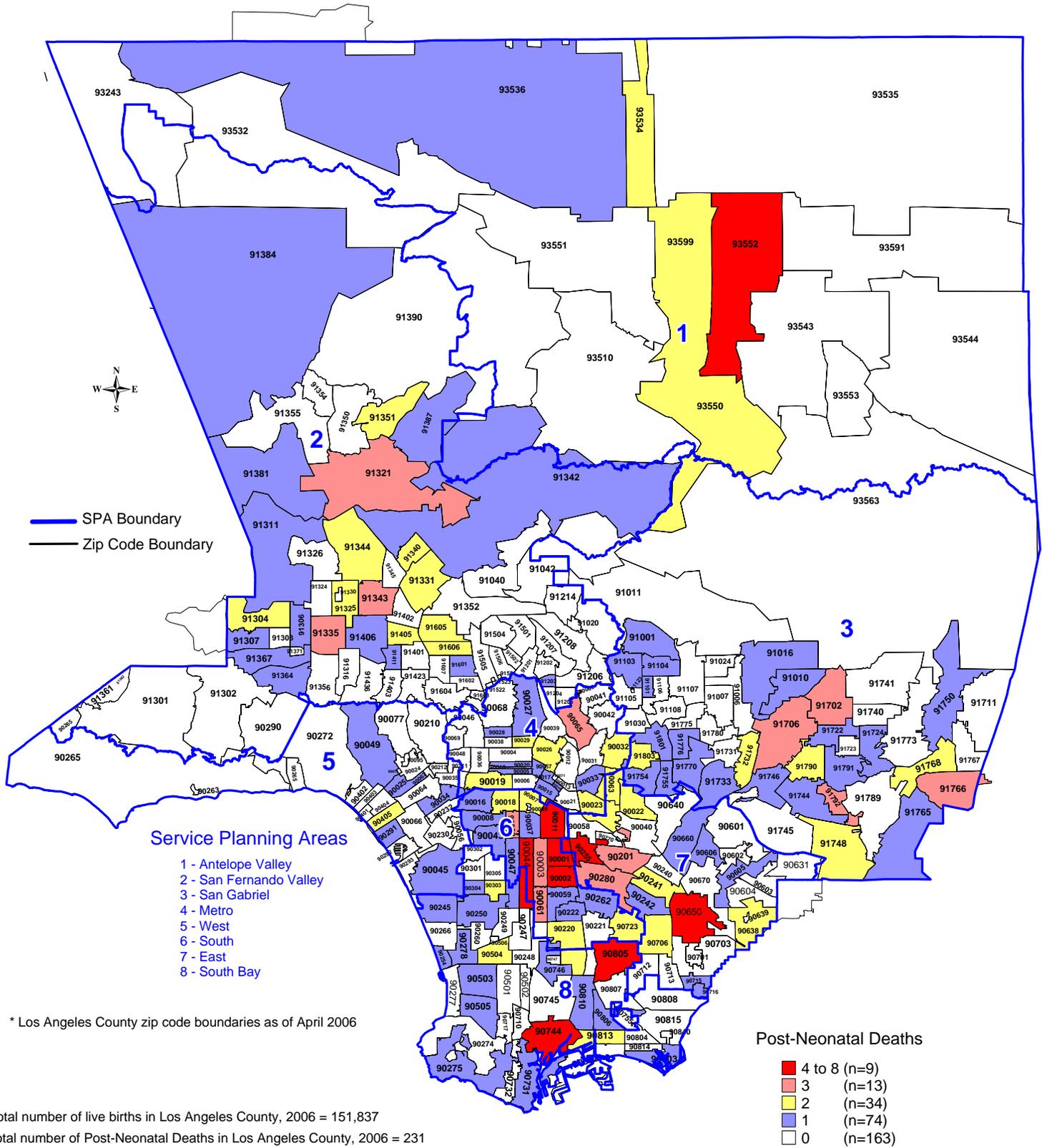
African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

Rates are not calculated (N/C) if fewer than five deaths.

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

Number of Post-Neonatal Deaths by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2006



Total number of live births in Los Angeles County, 2006 = 151,837

Total number of Post-Neonatal Deaths in Los Angeles County, 2006 = 231

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

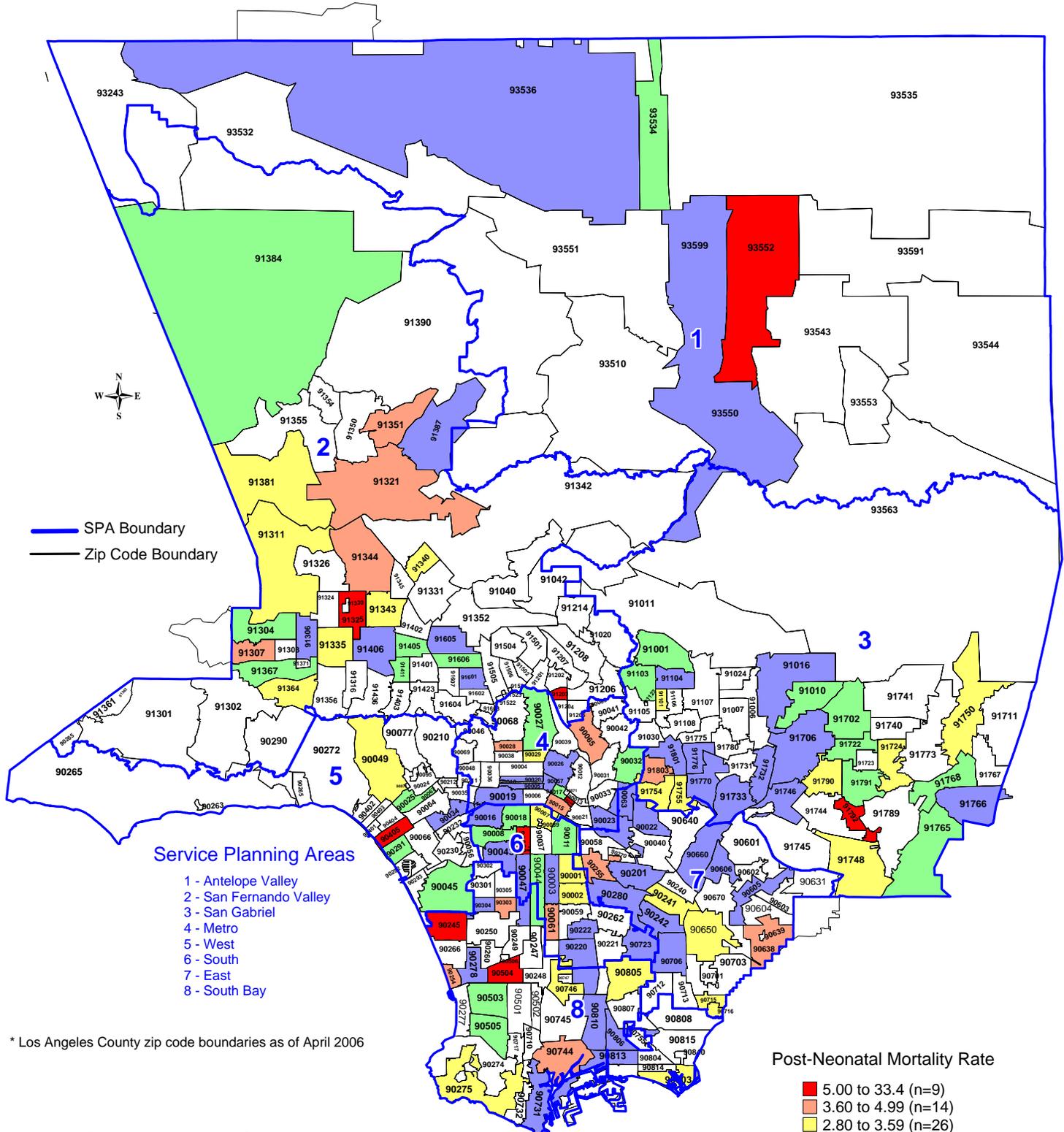
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2006



n = total number of zip codes in range

Post-Neonatal Mortality Rate by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2006



* Los Angeles County zip code boundaries as of April 2006

Total number of live births in Los Angeles County, 2006 = 151,837

Post-neonatal mortality rate in Los Angeles County, 2006 = 1.5 per 1,000 live births

HP 2010 Target : 1.2 per 1,000 live births

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

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

n = total number of zip codes in range