

Fetal Mortality

TITLE V INDICATOR TEMPLATE

INDICATOR: Fetal Mortality Rate

DEFINITION: The number of fetal deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths

NUMERATOR: The number of fetal deaths occurring at 20 weeks or more gestation, by place of residence, in a calendar year

DENOMINATOR: The total number of live births plus fetal deaths, by place of residence, in a calendar year

HEALTHY PEOPLE 2010 OBJECTIVE:

Reduce the fetal death rate (20 or more weeks of gestation) to no more than 4.1 per 1,000 live births plus fetal deaths. (Baseline: 6.8 per 1,000 live births plus fetal deaths in 1997) (Objective 16-1a)

RISK FACTORS:

Race/ethnicity (African American); maternal diabetes; pregnancy complications; maternal medical complications/chronic illness during pregnancy (including severe maternal infection); Rh sensitization; congenital anomalies; intrauterine cocaine exposure; maternal history of miscarriage

Year	California				Los Angeles County			
	Fetal Mortality		95 % Confidence Interval		Fetal Mortality		95 % Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
1998	3,053	5.8	5.6	6.0	821	5.1	4.8	5.5
1999	2,927	5.6	5.4	5.8	801	5.1	4.8	5.5
2000	3,046	5.7	5.5	5.9	864	5.5	5.1	5.8
2001	2,952	5.6	5.4	5.8	784	5.1	4.7	5.4
2002	2,649	5.0	4.8	5.2	740	4.9	4.5	5.2
2003	2,702	5.0	4.8	5.2	756	4.9	4.6	5.3
2004	2,654	4.8	4.7	5.0	708	4.7	4.3	5.0
2005	2,788	5.1	4.9	5.2	790	5.2	4.9	5.6
2006	2,779	4.9	4.7	5.1	759	5.0	4.6	5.3
2007	N/A	N/C	N/C	N/C	753	4.9	4.6	5.3

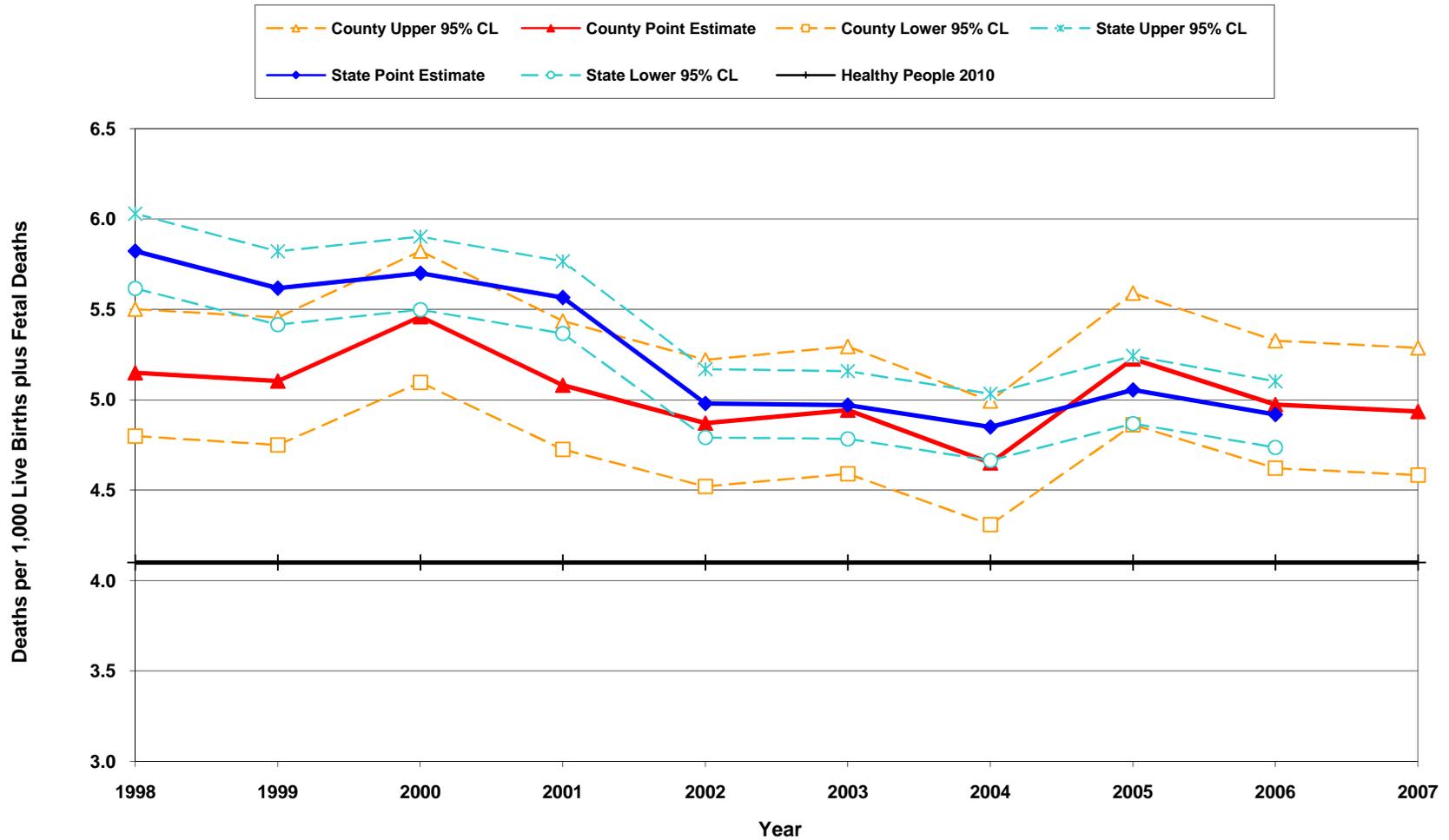
Denominator: Total Births		
Year	California	LA County
1998	524,318	159,425
1999	521,000	156,954
2000	534,331	158,255
2001	530,323	154,307
2002	531,894	151,907
2003	543,529	152,948
2004	547,339	152,212
2005	551,488	151,167
2006	564,936	152,596
2007	566,137	152,566

Note: Total Births = Live Births + Fetal Deaths.

For number of fetal deaths in Los Angeles County, records with missing gestational age are excluded. (n=77 in 2007)

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1998-2007.

Fetal Deaths per 1,000 Live Births plus Fetal Deaths California vs. Los Angeles County, 1998-2007

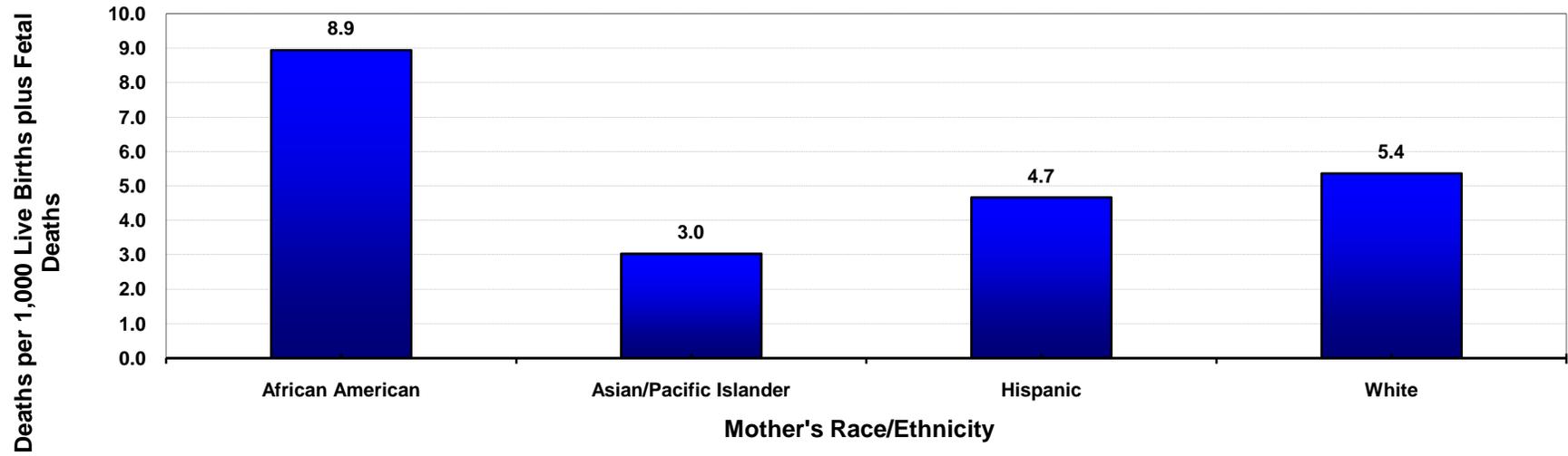


Year 2010 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 4.1 per 1,000 live births plus fetal deaths.

Note: For number of fetal deaths in Los Angeles County, records with missing gestational age are excluded. (n=77 in 2007)

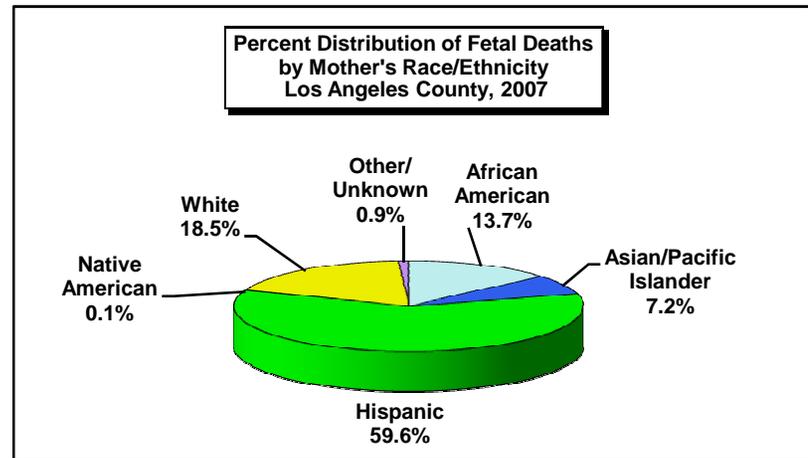
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1998-2007.

Fetal Mortality Rate by Mother's Race/Ethnicity Los Angeles County, 2007



Los Angeles County, 2007				
Mother's Race/Ethnicity	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	103	8.9	7.7	10.2
Asian/Pacific Islander	54	3.0	2.5	3.6
Hispanic	449	4.7	4.4	5.0
Native American	1	N/C	N/C	N/C
White	139	5.4	4.7	6.0
Other/ Unknown	7	N/A	N/A	N/A
Total	753	4.9	4.7	5.2

Total Live Births plus Fetal Deaths
11,509
17,823
96,135
237
25,897
965
152,566



Year 2010 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 4.1 per 1,000 live births plus fetal deaths.

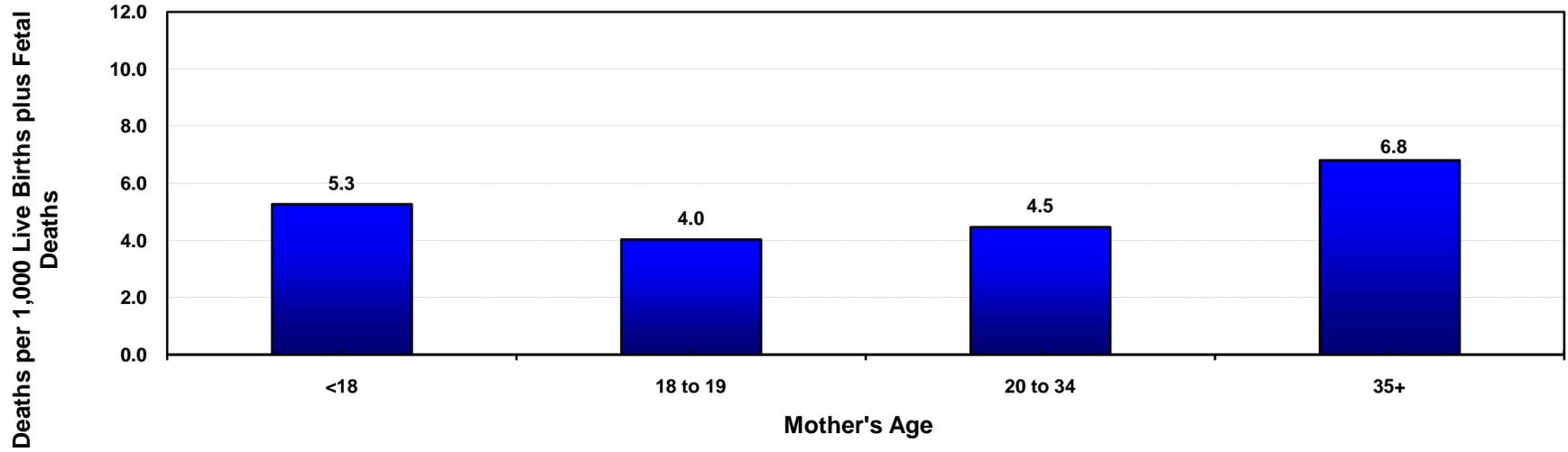
Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

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. Rates are not applicable (N/A) in the "Unknown" category.

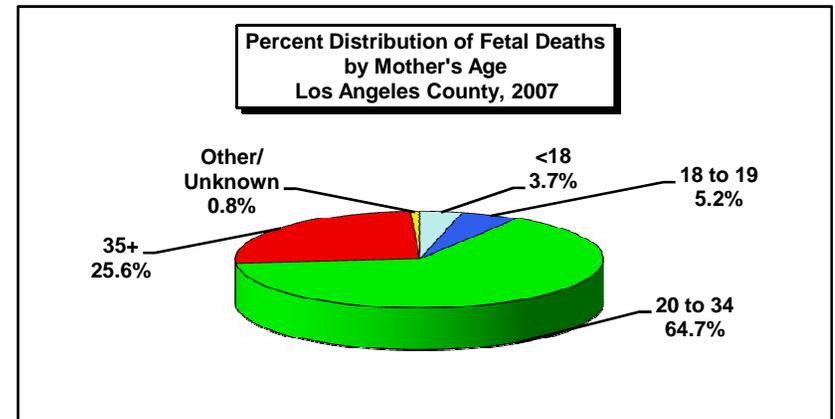
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2007.

Fetal Mortality Rate by Mother's Age Los Angeles County, 2007



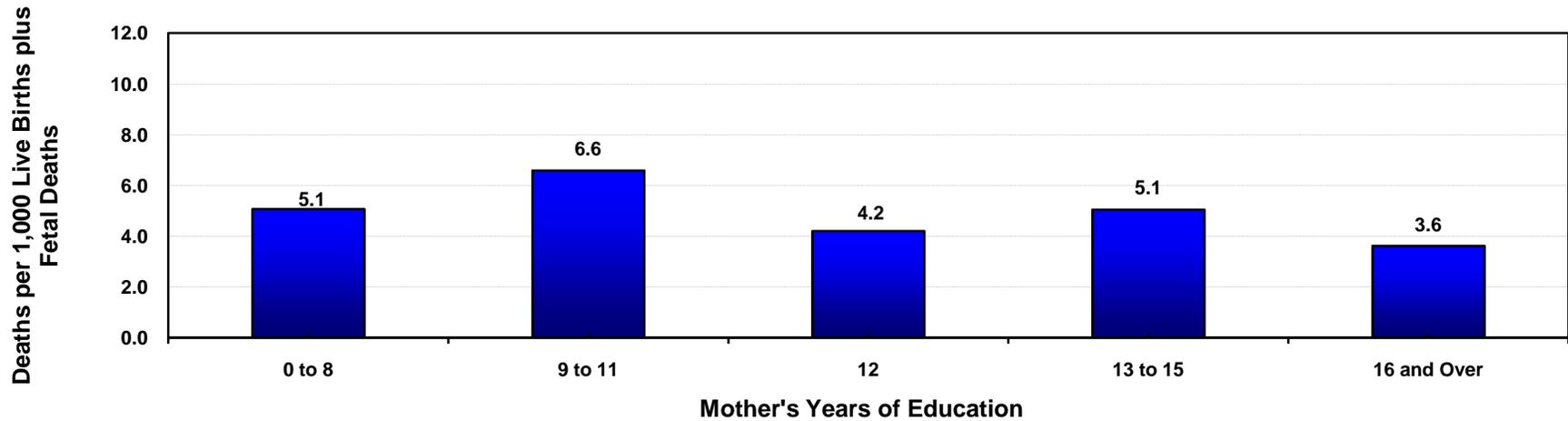
Los Angeles County, 2007				
Mother's Age	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
<18	28	5.3	3.9	6.6
18 to 19	39	4.0	3.1	4.9
20 to 34	487	4.5	4.2	4.7
35+	193	6.8	6.1	7.5
Other/ Unknown	6	N/A	N/A	N/A
Total	753	4.9	4.7	5.2

Total Live Births plus Fetal Deaths
5,317
9,682
109,187
28,357
23
152,566



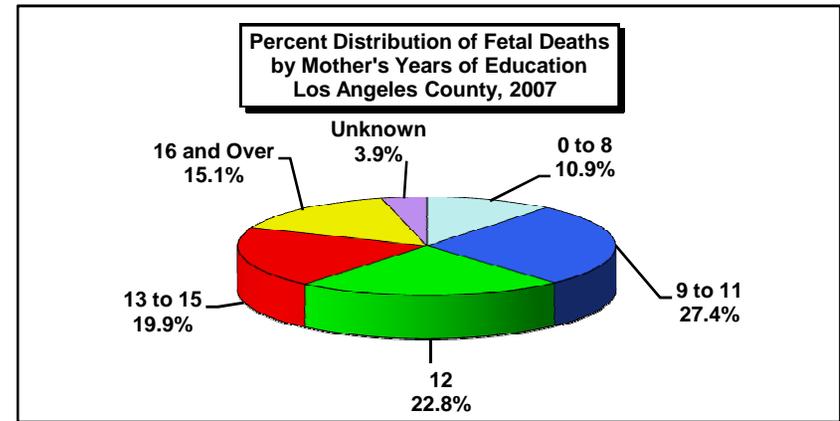
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 Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.
 Rates are not calculated (N/C) if fewer than five deaths. Rates are not applicable (N/A) in the "Unknown" category.
 Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2007.

Fetal Mortality Rate by Mother's Years of Education Los Angeles County, 2007



Los Angeles County, 2007				
Mother's Years of Education	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
0 to 8	82	5.1	4.3	5.9
9 to 11	206	6.6	6.0	7.2
12	172	4.2	3.8	4.7
13 to 15	150	5.1	4.5	5.6
16 and Over	114	3.6	3.2	4.1
Unknown	29	8.8	6.6	11.1
Total	753	4.9	4.7	5.2

Total Live Births plus Fetal Deaths
16,140
31,225
40,815
29,666
31,443
3,277
152,566



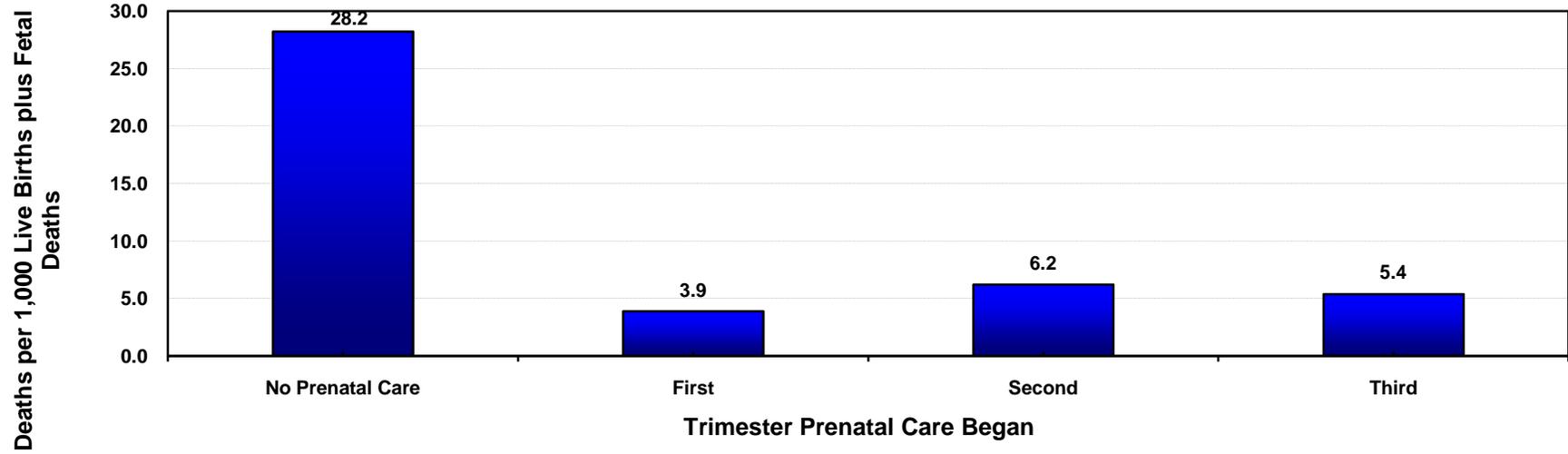
Year 2010 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 4.1 per 1,000 live births plus fetal deaths.

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

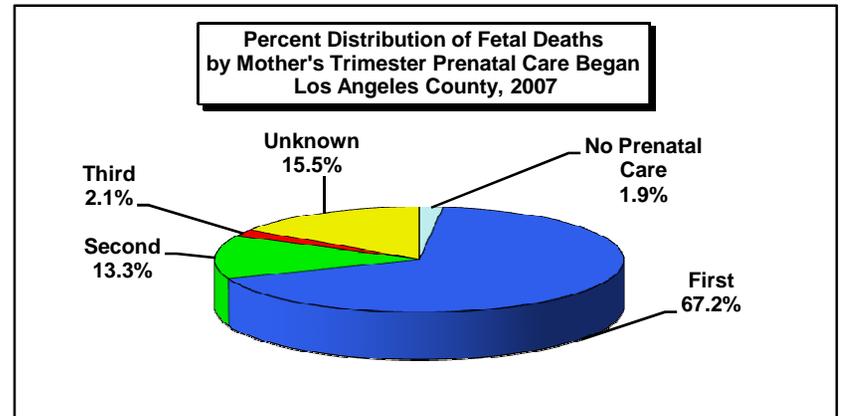
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2007.

Fetal Mortality Rate by Mother's Trimester Prenatal Care (PNC) Began Los Angeles County, 2007



Los Angeles County, 2007				
Mother's Trimester Prenatal Care Began	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
No Prenatal Care	14	28.2	17.8	38.6
First	506	3.9	3.6	4.1
Second	100	6.2	5.3	7.1
Third	16	5.4	3.5	7.2
Unknown	117	42.7	37.3	48.2
Total	753	4.9	4.7	5.2

Total Live Births plus Fetal Deaths
496
130,247
16,113
2,973
2,737
152,566



Year 2010 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 4.1 per 1,000 live births plus fetal deaths.

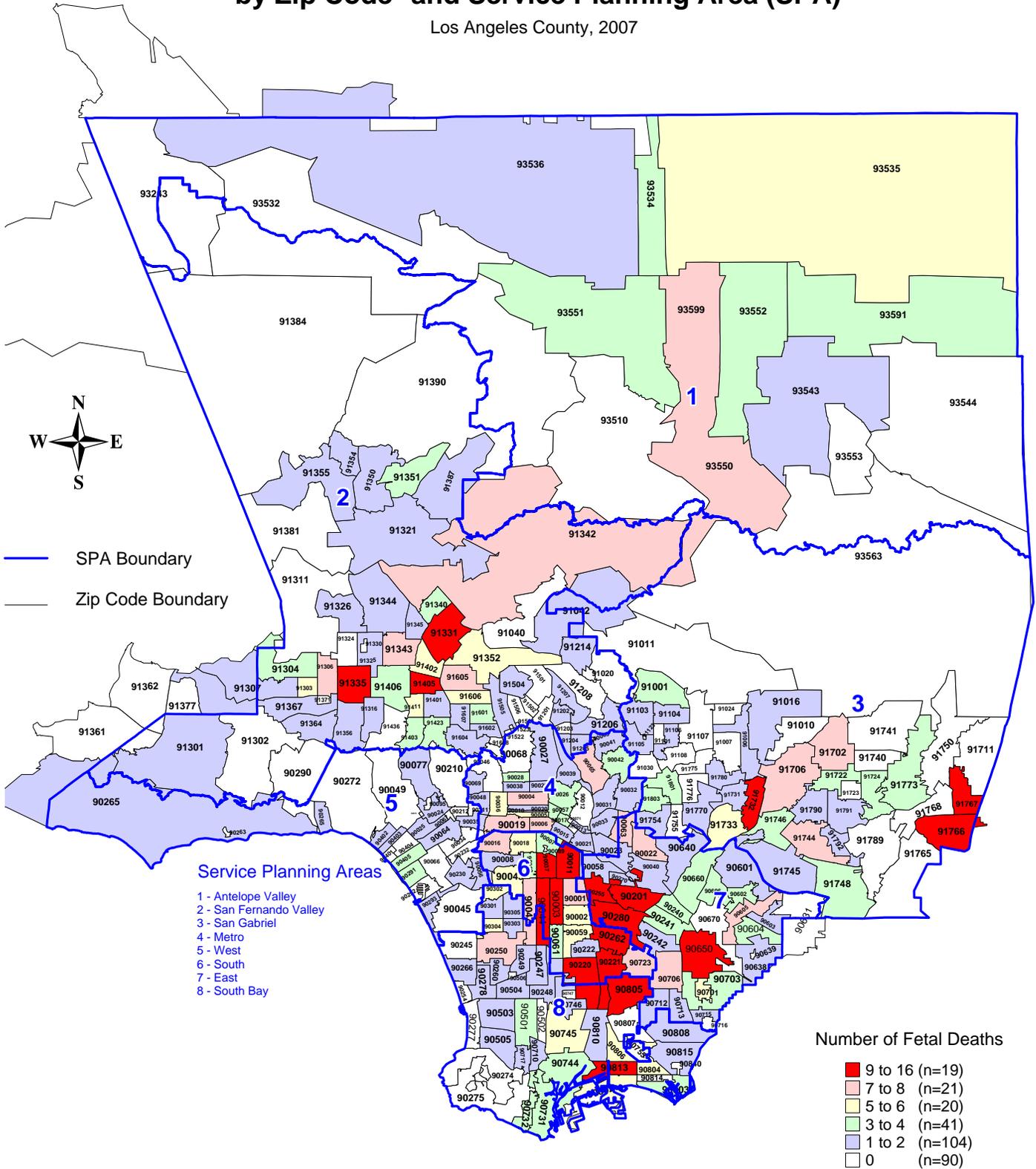
Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

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

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2007.

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

Los Angeles County, 2007



* Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2007 = 151,813
Total number of fetal deaths in Los Angeles County, 2007 = 753

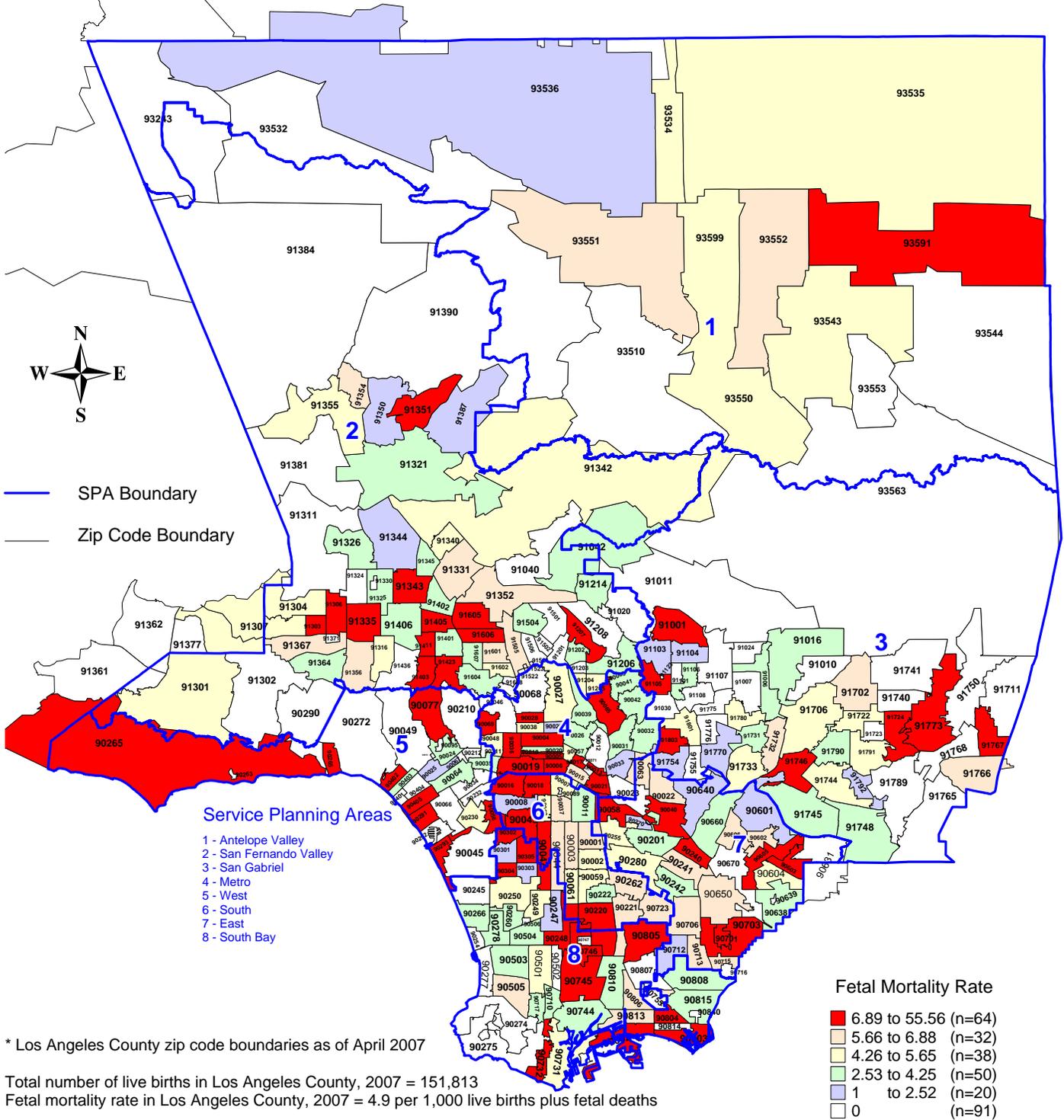
n = total number of zip codes in range

Note: Fetal death is defined as death occurring at 20 weeks or more gestation

Source: California Department of Health Services
Center for Health Statistics, Vital Statistics, 2007

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

Los Angeles County, 2007



* Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2007 = 151,813
Fetal mortality rate in Los Angeles County, 2007 = 4.9 per 1,000 live births plus fetal deaths

Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths

HP2010 Objective: Reduce fetal death rates (20 or more weeks of gestation) to no more than 4.1 per 1,000 live births plus fetal deaths



n = total number of zip codes in range