

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)

HEALTHY PEOPLE 2020 OBJECTIVE:

Reduce the fetal death rate (20 or more weeks of gestation) to no more than 5.6 per 1,000 live births plus fetal deaths. (Baseline: 6.2 per 1,000 live births plus fetal deaths in 2005) (Objective MICH-1.1)

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
2001	2,709	5.1	4.9	5.3	784	5.0	4.6	5.3
2002	2,647	5.0	4.8	5.2	740	4.8	4.5	5.1
2003	2,701	5.1	4.9	5.3	756	5.0	4.6	5.3
2004	2,654	4.9	4.7	5.1	708	4.6	4.3	5.0
2005	2,788	5.1	4.9	5.3	790	5.2	4.8	5.5
2006	2,764	5.0	4.8	5.2	759	5.0	4.7	5.4
2007	2,632	4.7	4.5	4.8	753	4.9	4.6	5.3
2008	2,559	4.5	4.3	4.7	733	4.8	4.5	5.2
2009	2,383	4.3	4.1	4.5	665	4.5	4.1	4.8
2010	2,367	4.6	4.4	4.8	661	4.9	4.6	5.3

Denominator: Total Births		
Year	California	LA County
2001	533,994	158,175
2002	530,018	154,263
2003	531,946	151,923
2004	543,481	152,900
2005	547,473	152,294
2006	551,464	151,136
2007	564,789	152,590
2008	568,696	152,546
2009	553,950	148,349
2010	512,346	133,821

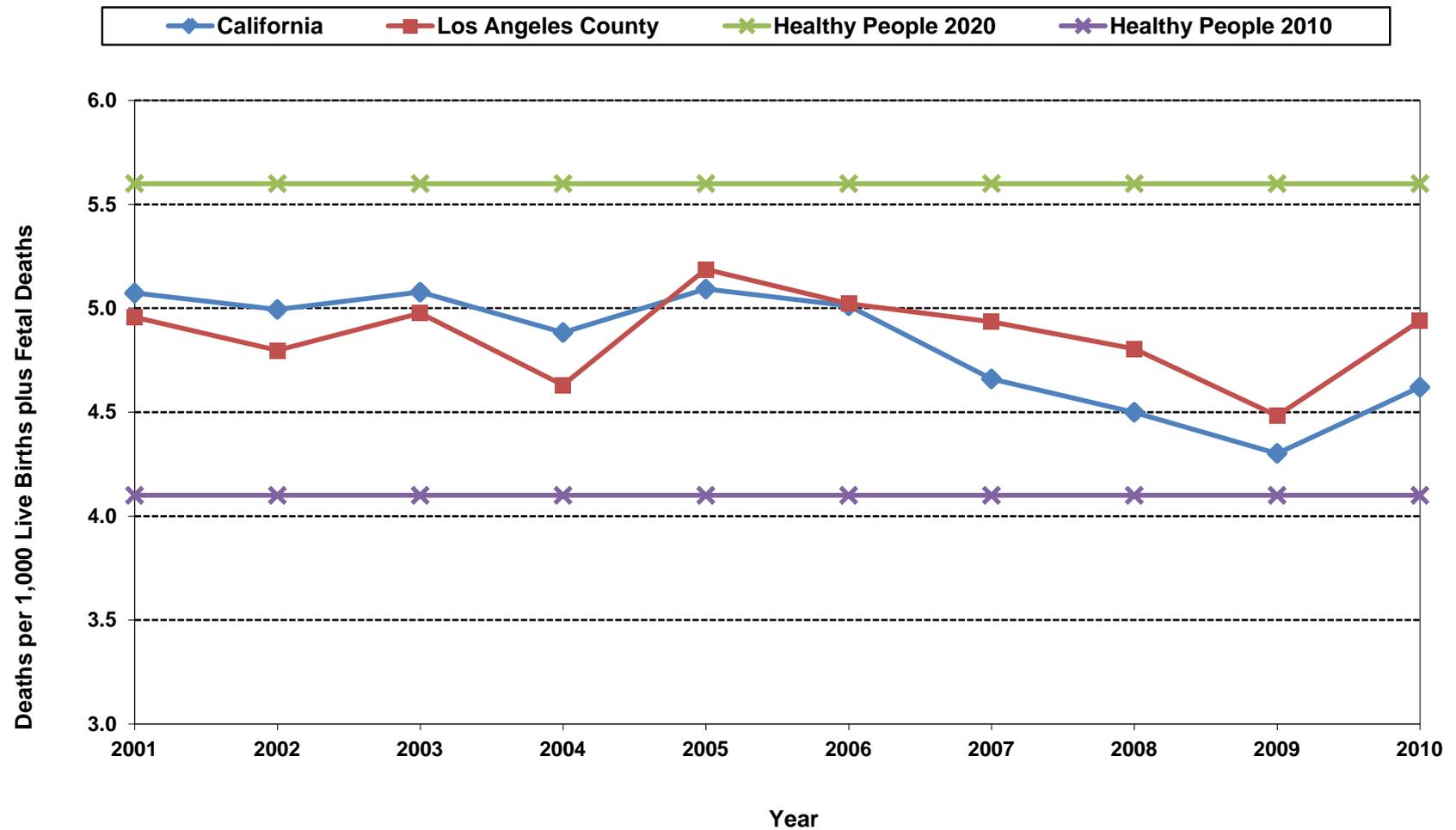
Note: Total Births = Live Births + Fetal Deaths.

For numbers of fetal deaths in California and Los Angeles County, records with missing gestational age are excluded. (220 & 67 respectively in 2010)

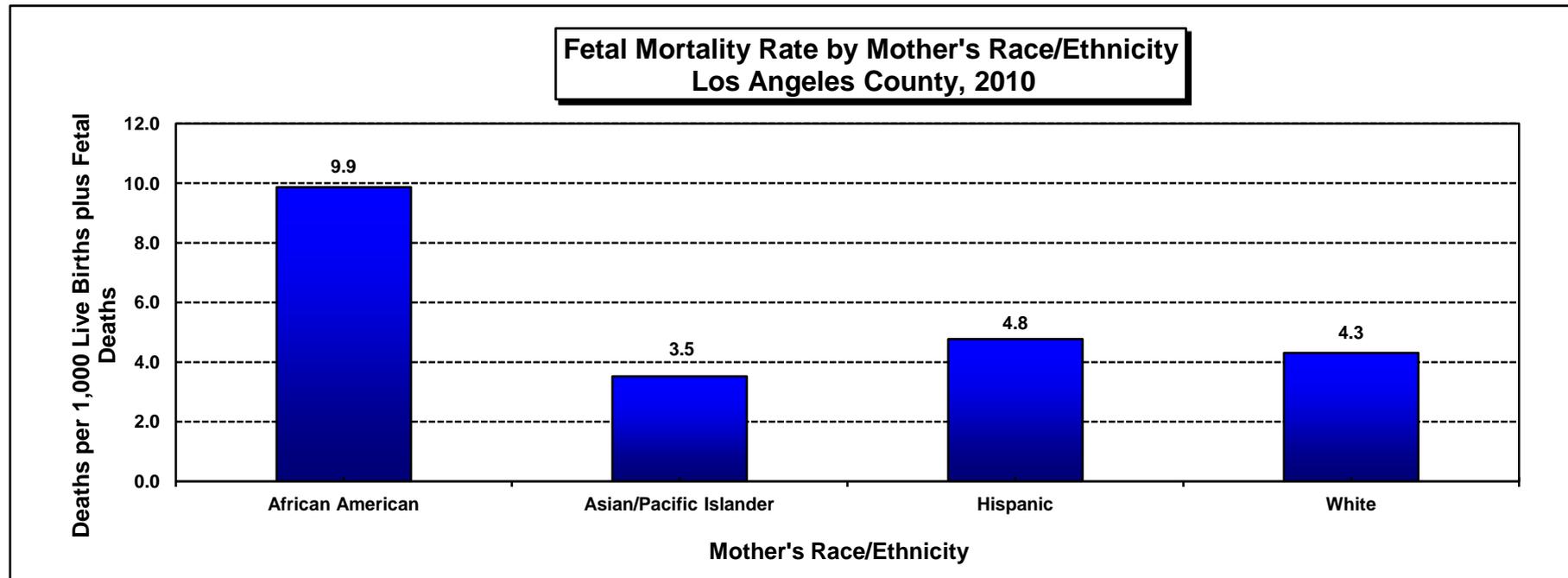
Gestation is calculated from reported date of last menses.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2001-2010.

**Fetal Deaths per 1,000 Live Births plus Fetal Deaths
California vs. Los Angeles County, 2001-2010**

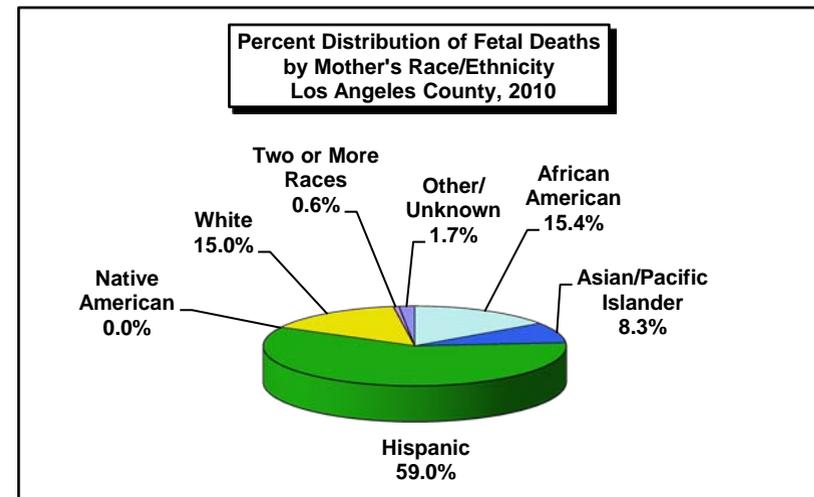


Year 2010 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 4.1 per 1,000 live births plus fetal deaths.
 Year 2020 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 5.6 per 1,000 live births plus fetal deaths.
 Note: For numbers of fetal deaths in California and Los Angeles County, records with missing gestational age are excluded. (220 & 67 respectively in 2010)
 Gestation is calculated from reported date of last menses.
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2001-2010.



Los Angeles County, 2010				
Mother's Race/Ethnicity	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	102	9.9	8.0	11.8
Asian/Pacific Islander	55	3.5	2.6	4.5
Hispanic	390	4.8	4.3	5.2
Native American	<5	N/C	N/C	N/C
White	99	4.3	3.5	5.2
Two or More Races	<5	N/C	N/C	N/C
Other/ Unknown	11	9.4	3.9	15.0
Total	661	4.9	4.6	5.3

Total Live Births plus Fetal Deaths
10,339
15,617
81,762
170
22,986
1,781
1,166
133,821



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.

Year 2020 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 5.6 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.

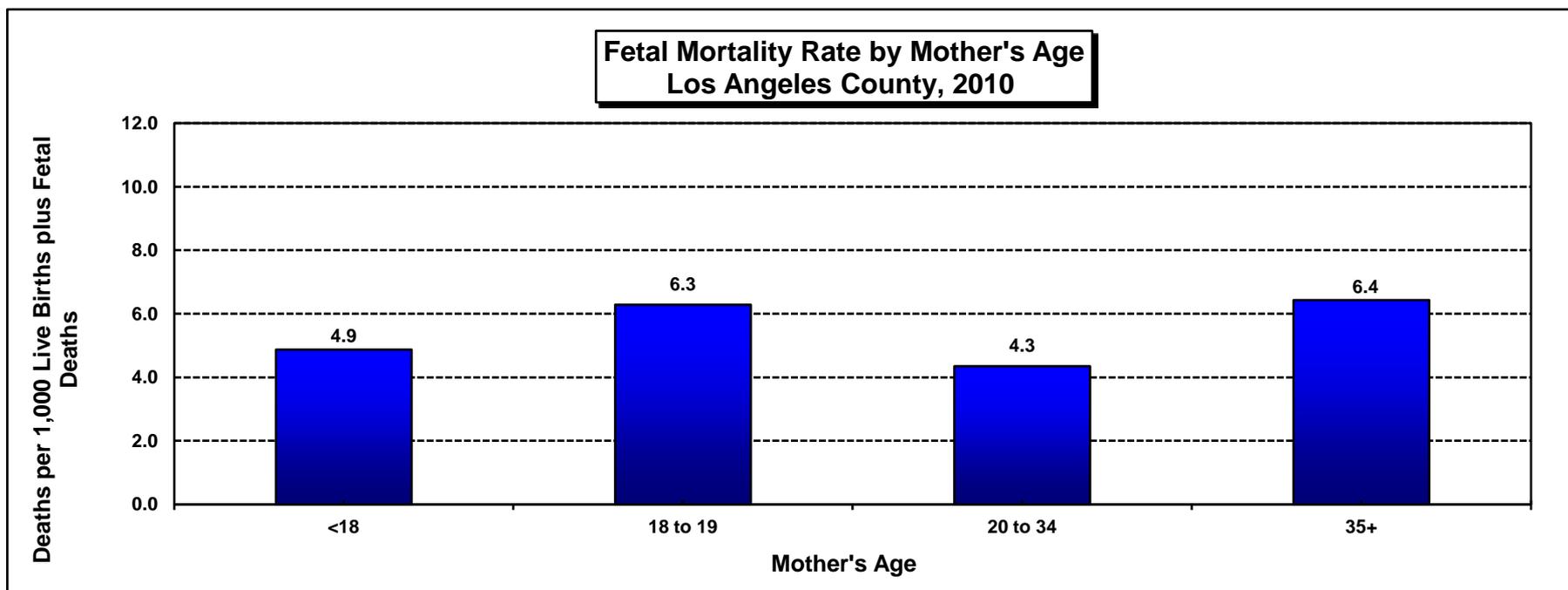
Gestation is calculated from reported date of last menses. Records with missing gestational age are excluded. (n=67)

Racial/ethnic categorization has been revised in this report; data from previous year reports may not be comparable.

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

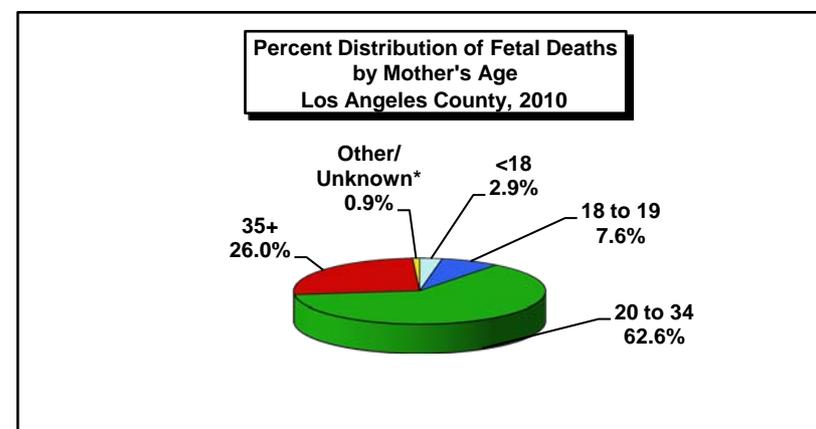
Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.



Los Angeles County, 2010				
Mother's Age	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
<18	19	4.9	2.7	7.1
18 to 19	50	6.3	4.5	8.0
20 to 34	414	4.3	3.9	4.8
35+	172	6.4	5.5	7.4
Other/ Unknown*	6	N/C	N/C	N/C
Total	661	4.9	4.6	5.3

Total Live Births plus Fetal Deaths
3,901
7,957
95,200
26,749
14
133,821



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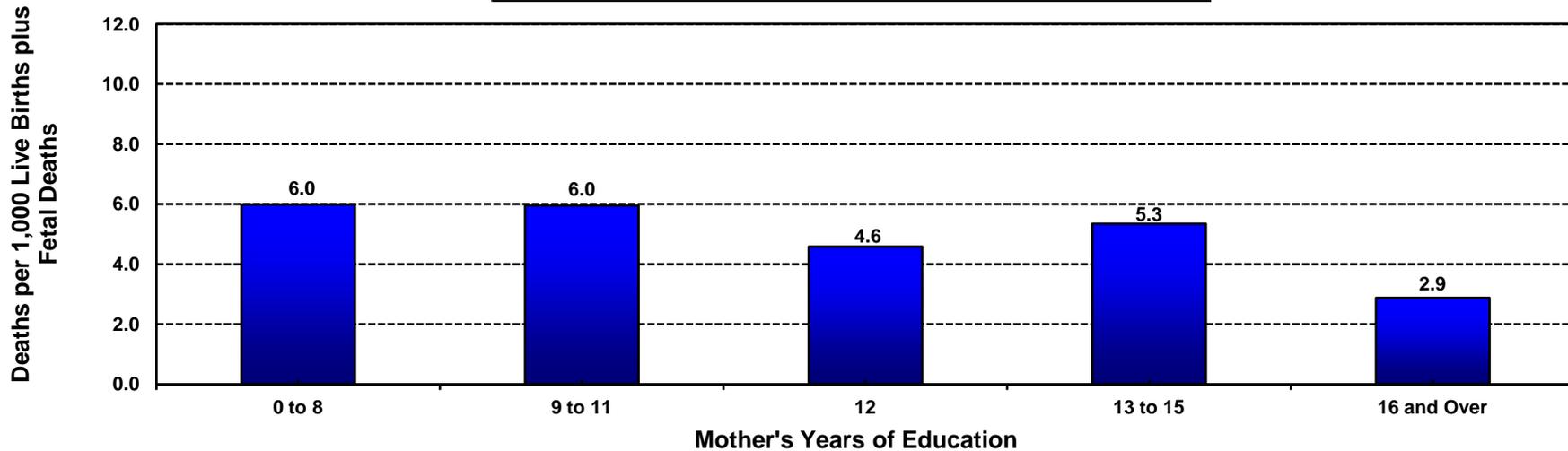
Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

Gestation is calculated from reported date of last menses. Records with missing gestational age are excluded. (n=67)

* Rates are not calculated due to small number in the denominator.

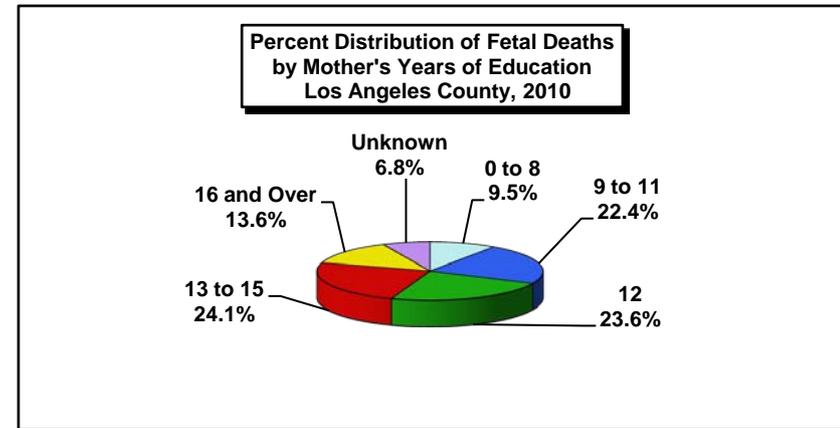
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.

**Fetal Mortality Rate by Mother's Years of Education
Los Angeles County, 2010**



Los Angeles County, 2010				
Mother's Years of Education	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
0 to 8	63	6.0	4.9	7.0
9 to 11	148	6.0	5.3	6.6
12	156	4.6	4.1	5.1
13 to 15	159	5.3	4.8	5.9
16 and Over	90	2.9	2.5	3.3
Unknown	45	13.6	10.8	16.4
Total	661	4.9	4.7	5.2

Total Live Births plus Fetal Deaths
10,528
24,872
34,057
29,752
31,301
3,311
133,821



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.

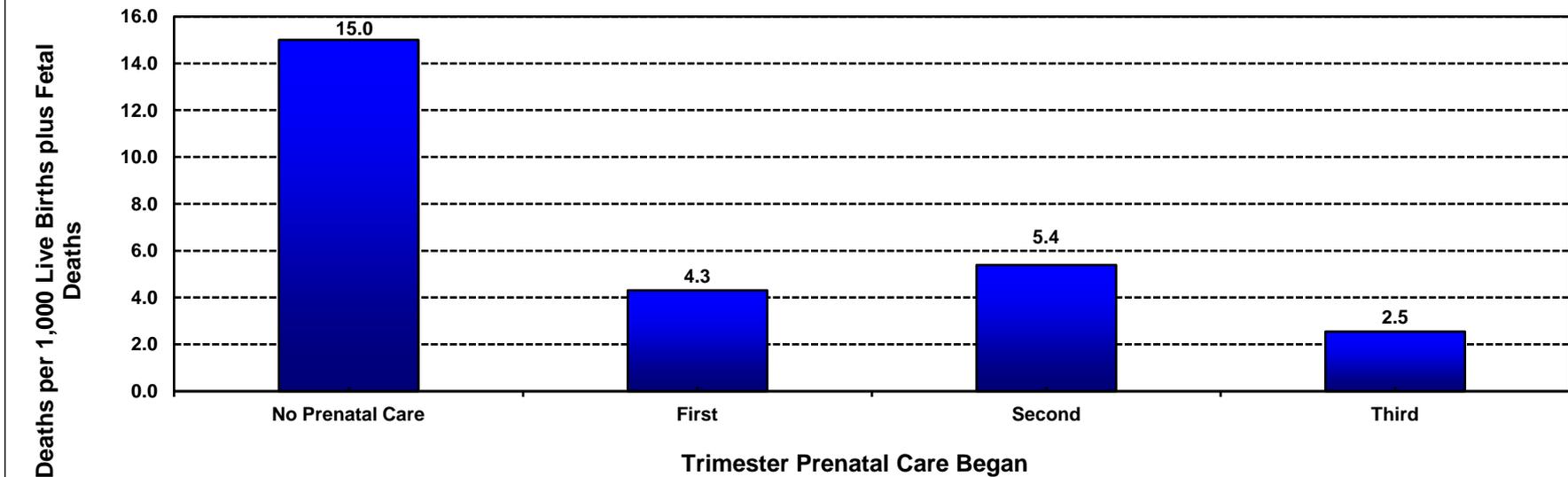
Year 2020 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 5.6 per 1,000 live births plus fetal deaths.

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

Gestation is calculated from reported date of last menses. Records with missing gestational age are excluded. (n=67)

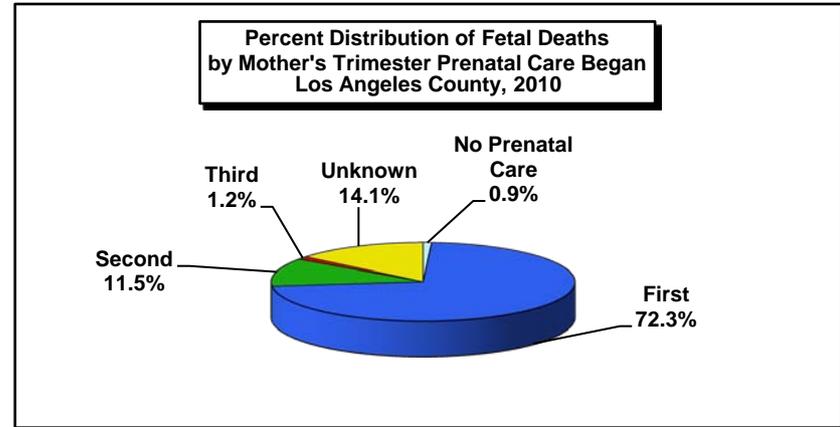
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.

**Fetal Mortality Rate by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2010**



Los Angeles County, 2010				
Mother's Trimester Prenatal Care Began	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
No Prenatal Care	6	15.0	6.5	23.5
First	478	4.3	4.0	4.6
Second	76	5.4	4.5	6.2
Third	8	2.5	1.3	3.8
Unknown	93	17.9	15.4	20.5
Total	661	4.9	4.7	5.2

Total Live Births plus Fetal Deaths
400
110,994
14,098
3,140
5,189
133,821



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.

Year 2020 Objective: Reduce fetal mortality (20 or more weeks of gestation) rate to no more than 5.6 per 1,000 live births plus fetal deaths.

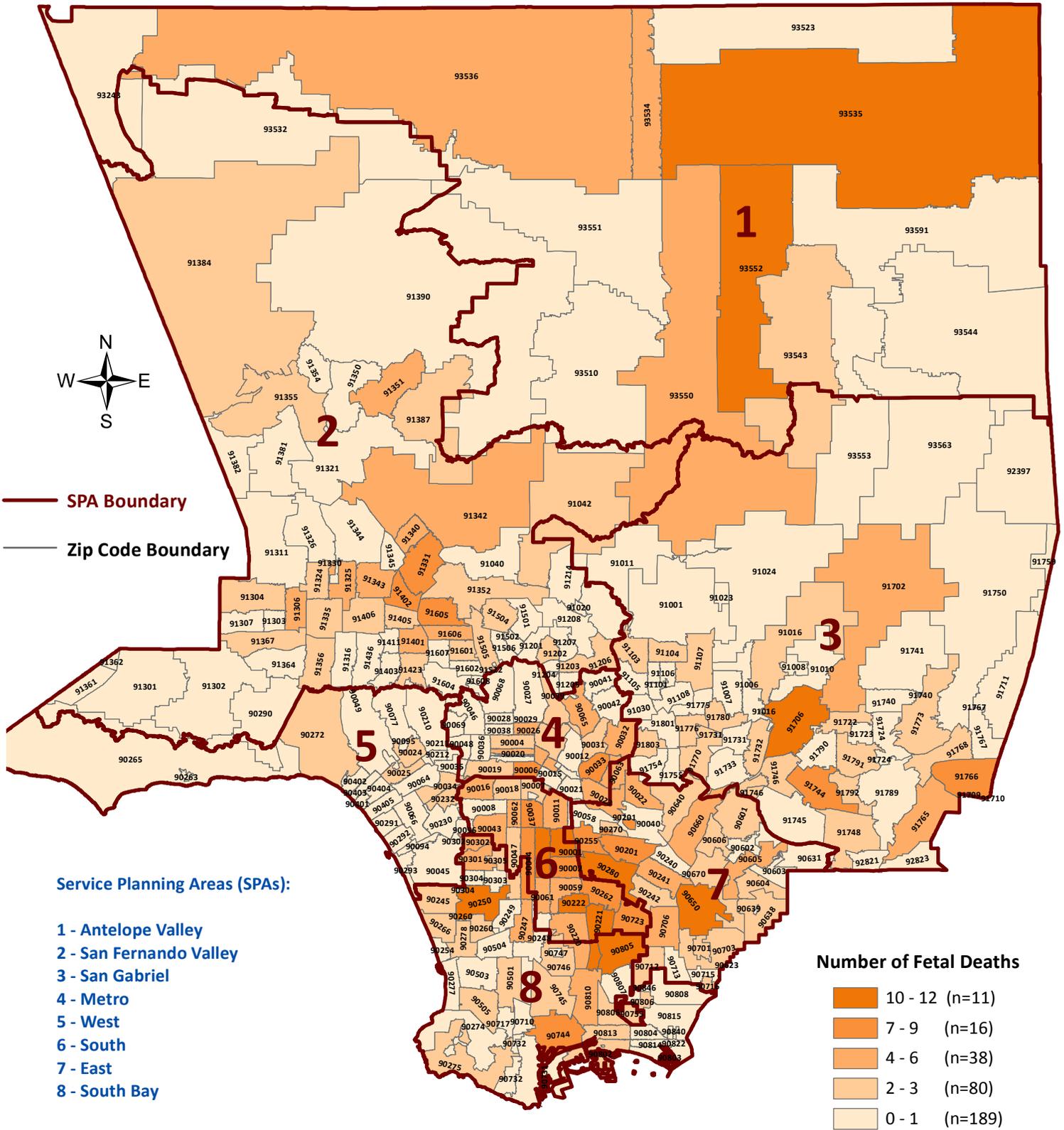
Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

Gestation is calculated from reported date of last menses. Records with missing gestational age are excluded. (n=67)

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

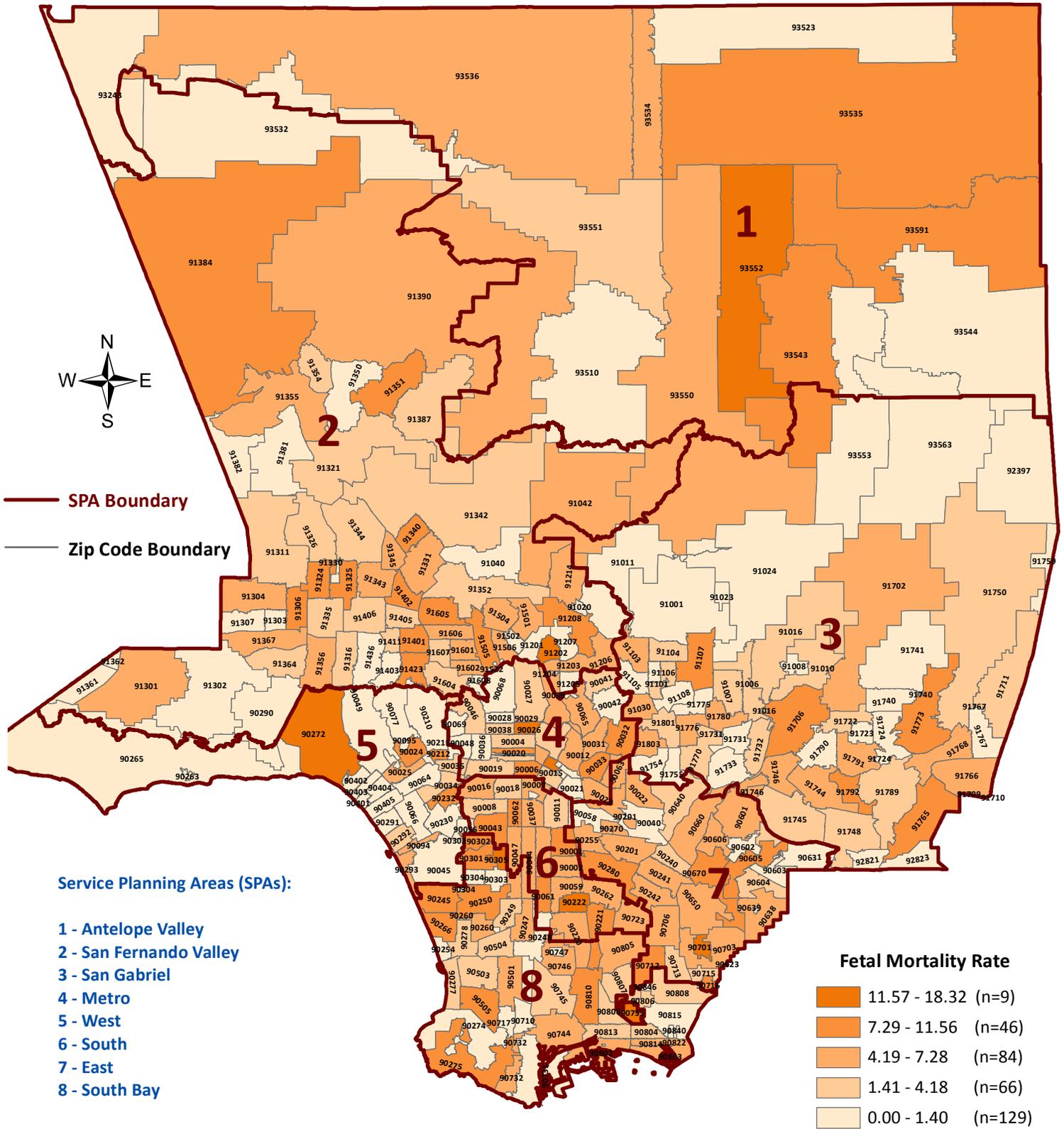
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.

**Los Angeles County - Department of Public Health
 Number of Fetal Deaths by Zip Code* and Service Planning Area (SPA)
 Los Angeles County, 2010**



*Los Angeles County zip code boundaries as of April 2007
 Total number of live births in Los Angeles County, 2010 = 133,160
 Total number of fetal deaths in Los Angeles County, 2010 = 691
 Note: Fetal death is defined as deaths occurring at 20 weeks or more gestation.
 Zip code 90704 (Catalina Island) is not included. Total number of fetal deaths in 90704, 2010 = 0
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.

**Los Angeles County - Department of Public Health
Fetal Mortality Rate by Zip Code* and Service Planning Area (SPA)
Los Angeles County, 2010**



*Los Angeles County zip code boundaries as of April 2007

Total number of live births in Los Angeles County, 2009 = 133,160

Fetal mortality rate per 1,000 live births plus fetal deaths in Los Angeles County, 2010 = 4.9

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

Year 2020 Objective: Reduce the fetal mortality (20 or more weeks of gestation) rate to no more than 5.6 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.

Zip code 90704 (Catalina Island) is not included. Fetal mortality rate in 90704, 2010 = 0.00

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2010.