

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
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
2011	#N/A	#N/A	#N/A	#N/A	728	5.6	5.2	6.0
2012	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2013	#N/A	#N/A	#N/A	#N/A	697	5.4	5.0	5.8
2014	#N/A	#N/A	#N/A	#N/A	702	5.4	5.0	5.8
2015	#N/A	#N/A	#N/A	#N/A	663	5.3	4.9	5.7

Denominator: Total Births		
Year	California	LA County
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
2011	502,023	131,041
2012	503,788	#N/A
2013	494,392	129,223
2014	502,973	130,852
2015	#N/A	125,105

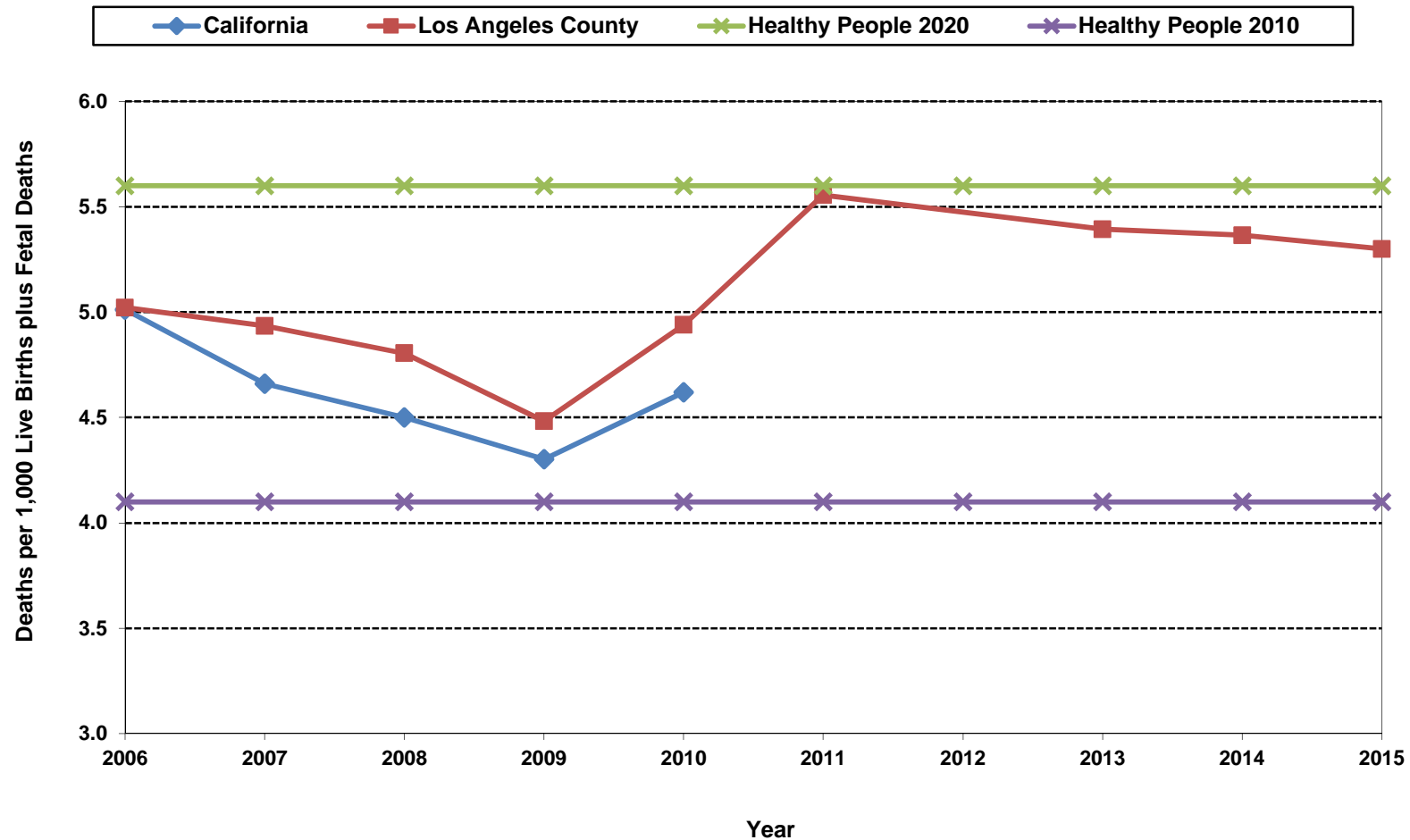
Note: Total Births = Live Births + Fetal Deaths.

Records with missing gestational age are excluded in Los Angeles County. (n=90)

Gestation is calculated from obstetrical estimation of gestation.

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

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



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.

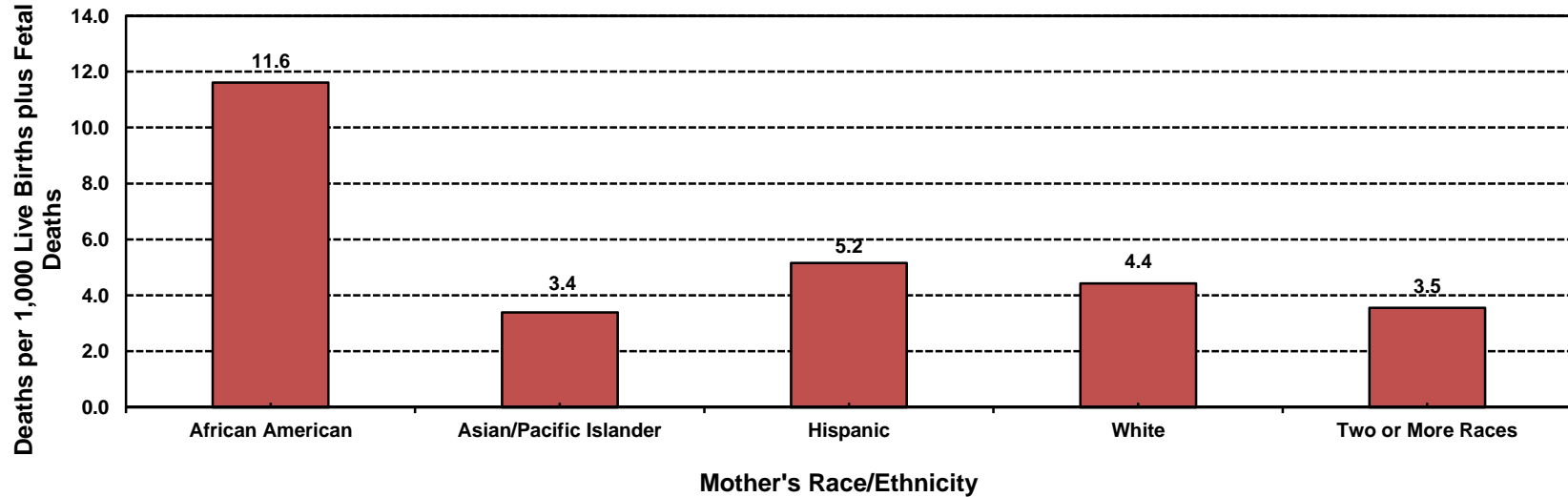
Note: Records with missing gestational age are excluded in Los Angeles County. (n=90)

Gestation is calculated from obstetrical estimation of gestation.

California fetal death data for 2011-2015 was not available at the time of this report.

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

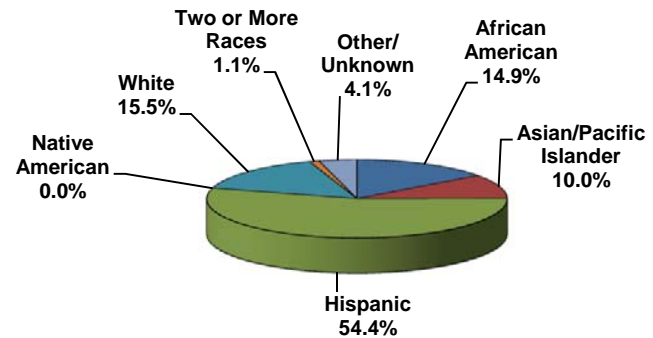
Fetal Mortality Rate by Mother's Race/Ethnicity Los Angeles County, 2015



Los Angeles County, 2015				
Mother's Race/Ethnicity	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	99	11.6	9.3	13.9
Asian/Pacific Islander	66	3.4	2.6	4.2
Hispanic	361	5.2	4.6	5.7
Native American	<5	N/C	N/C	N/C
White	103	4.4	3.6	5.3
Two or More Races	7	3.5	0.9	6.2
Other/ Unknown	27	16.8	10.5	23.1
Total	663	5.3	4.9	5.7

Total Live Births plus Fetal Deaths
8,531
19,483
70,085
156
23,272
1,972
1,606
125,105

Percent Distribution of Fetal Deaths by Mother's Race/Ethnicity Los Angeles County, 2015



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.

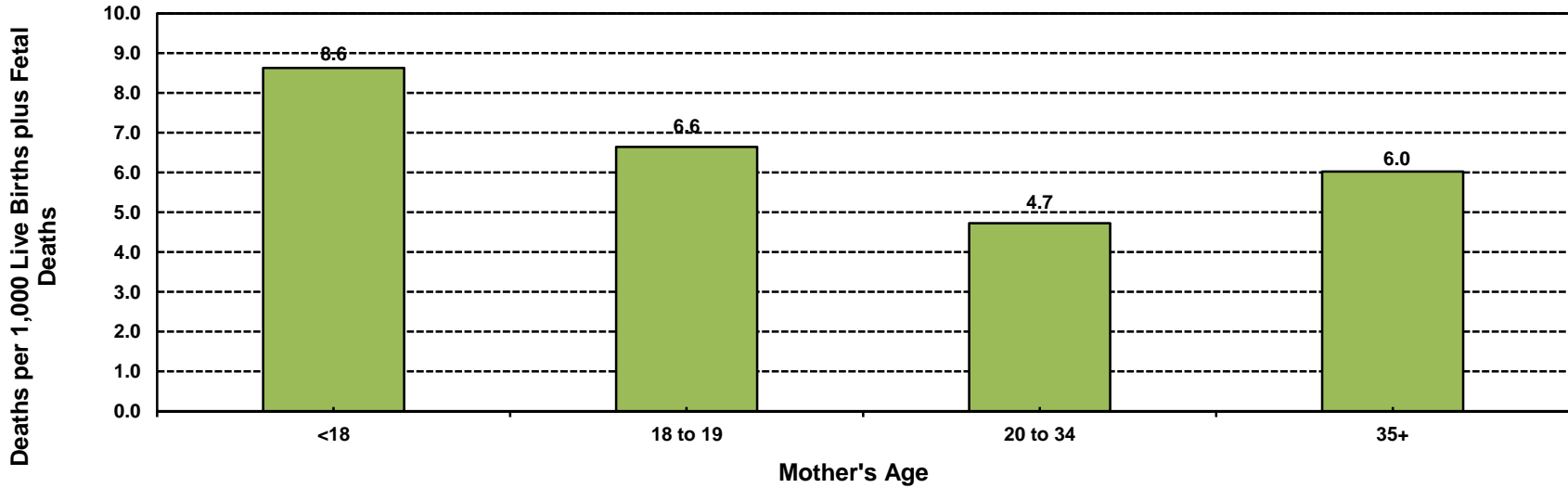
Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

Gestation is calculated from obstetrical estimation of gestation. Records with missing gestational age are excluded. (n=90)

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.

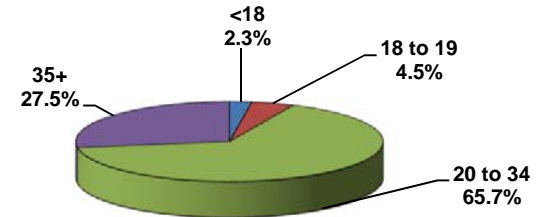
**Fetal Mortality Rate by Mother's Age
Los Angeles County, 2015**



Los Angeles County, 2015				
Mother's Age	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
<18	15	8.6	4.3	13.0
18 to 19	29	6.6	4.2	9.0
20 to 34	423	4.7	4.3	5.2
35+	177	6.0	5.1	6.9
Total	663	5.3	4.9	5.7

Total Live Births plus Fetal Deaths
1,739
4,368
89,574
29,386
125,105

**Percent Distribution of Fetal Deaths
by Mother's Age
Los Angeles County, 2015**



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.

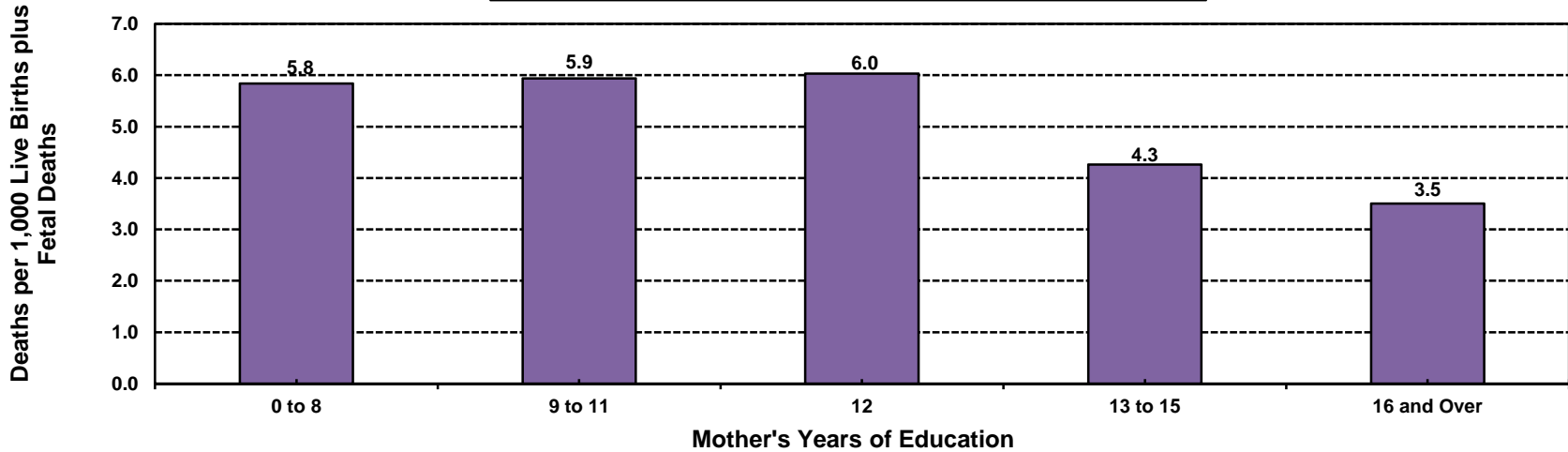
Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

Gestation is calculated from obstetrical estimation of gestation. Records with missing gestational age are excluded. (n=90)

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

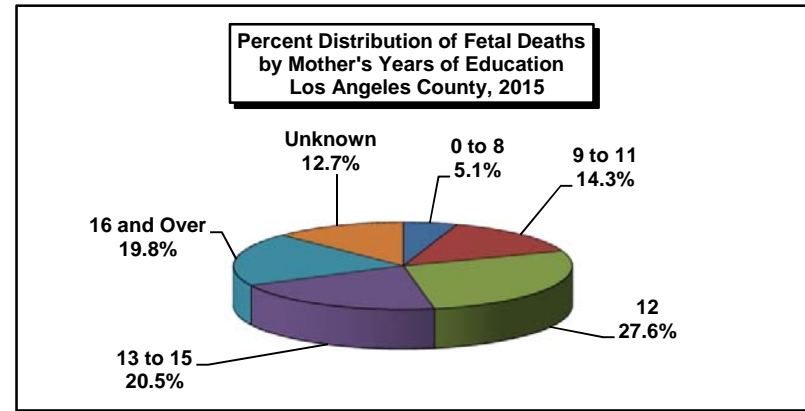
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2015.

Fetal Mortality Rate by Mother's Years of Education Los Angeles County, 2015



Los Angeles County, 2015				
Mother's Years of Education	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
0 to 8	34	5.8	4.5	7.2
9 to 11	95	5.9	5.1	6.8
12	183	6.0	5.4	6.6
13 to 15	136	4.3	3.8	4.8
16 and Over	131	3.5	3.1	3.9
Unknown	84	24.9	21.1	28.6
Total	663	5.3	5.0	5.6

Total Live Births plus Fetal Deaths
5,821
16,001
30,335
31,896
37,404
3,377
124,834



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.

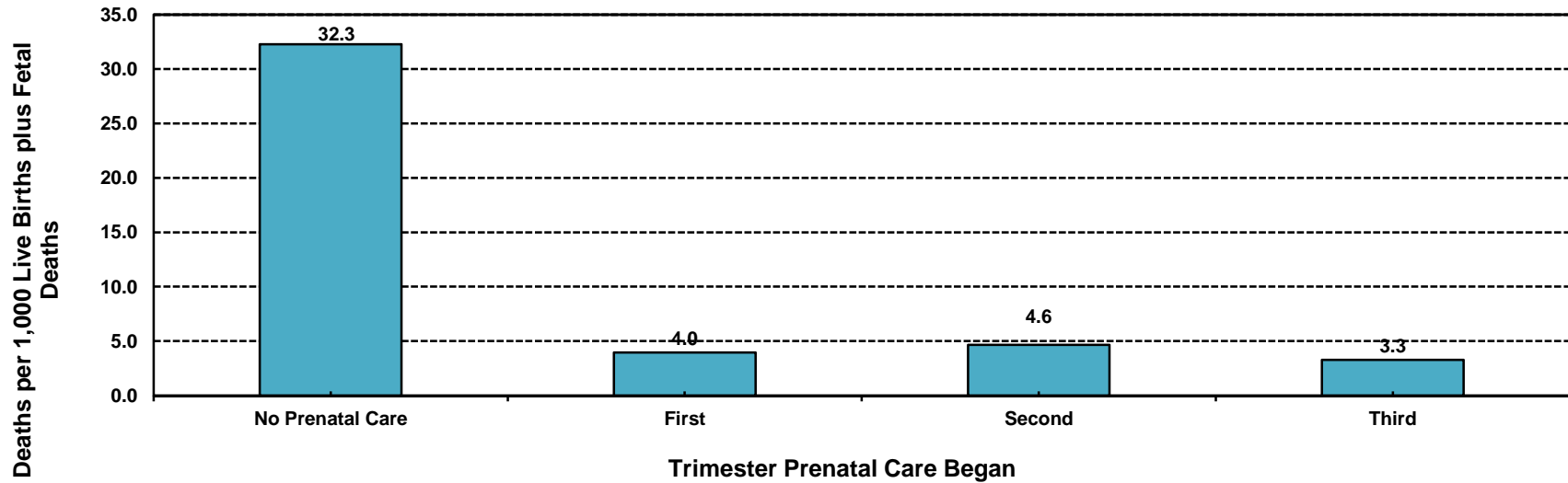
Note: Fetal mortality rate is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

Gestation is calculated from obstetrical estimation of gestation. Records with missing gestational age are excluded. (n=90)

Live births missing Mother's years of education are excluded from this analysis. (n=271)

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

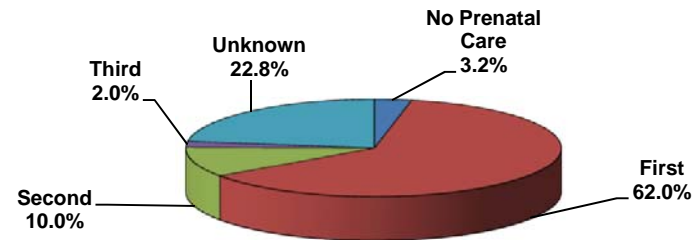
Fetal Mortality Rate by Mother's Trimester Prenatal Care (PNC) Began Los Angeles County, 2015



Los Angeles County, 2015				
Mother's Trimester Prenatal Care Began	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
No Prenatal Care	21	32.3	22.6	41.9
First	410	4.0	3.7	4.2
Second	66	4.6	3.9	5.4
Third	13	3.3	2.0	4.5
Unknown	151	55.6	49.4	61.8
Total	661	5.3	5.0	5.6

Total Live Births plus Fetal Deaths
651
103,565
14,212
3,958
2,717
125,103

Percent Distribution of Fetal Deaths by Mother's Trimester Prenatal Care Began Los Angeles County, 2015



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 obstetrical estimation of gestation. Records with missing gestational age are excluded. (n=90)

"Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth and those missing source of payment for prenatal care. (n=1)

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