

# **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 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
2007	2,632	4.6	4.5	4.8	753	4.9	4.6	5.3
2008	2,559	4.6	4.5	4.8	733	4.8	4.5	5.2
2009	2,383	4.5	4.3	4.7	665	4.5	4.1	4.8
2010	2,367	4.6	4.5	4.8	661	4.9	4.6	5.3
2011	2,313	4.6	4.4	4.8	646	4.9	4.6	5.3
2012	2,153	4.3	4.1	4.5	#N/A	#N/A	#N/A	#N/A
2013	2,239	4.5	4.3	4.7	619	4.8	4.4	5.2
2014	2,094	4.2	4.0	4.3	612	4.7	4.3	5.1
2015	2,057	4.2	4.0	4.4	572	4.6	4.2	4.9
2016	1,989	4.1	3.9	4.2	530	4.3	3.9	4.7

Denominator: Total Births		
Year	California	LA County
2007	566,137	152,590
2008	551,567	152,546
2009	526,774	148,349
2010	509,979	133,821
2011	502,023	130,959
2012	503,788	132,343
2013	494,392	128,526
2014	502,973	130,150
2015	491,748	125,014
2016	488,827	123,471

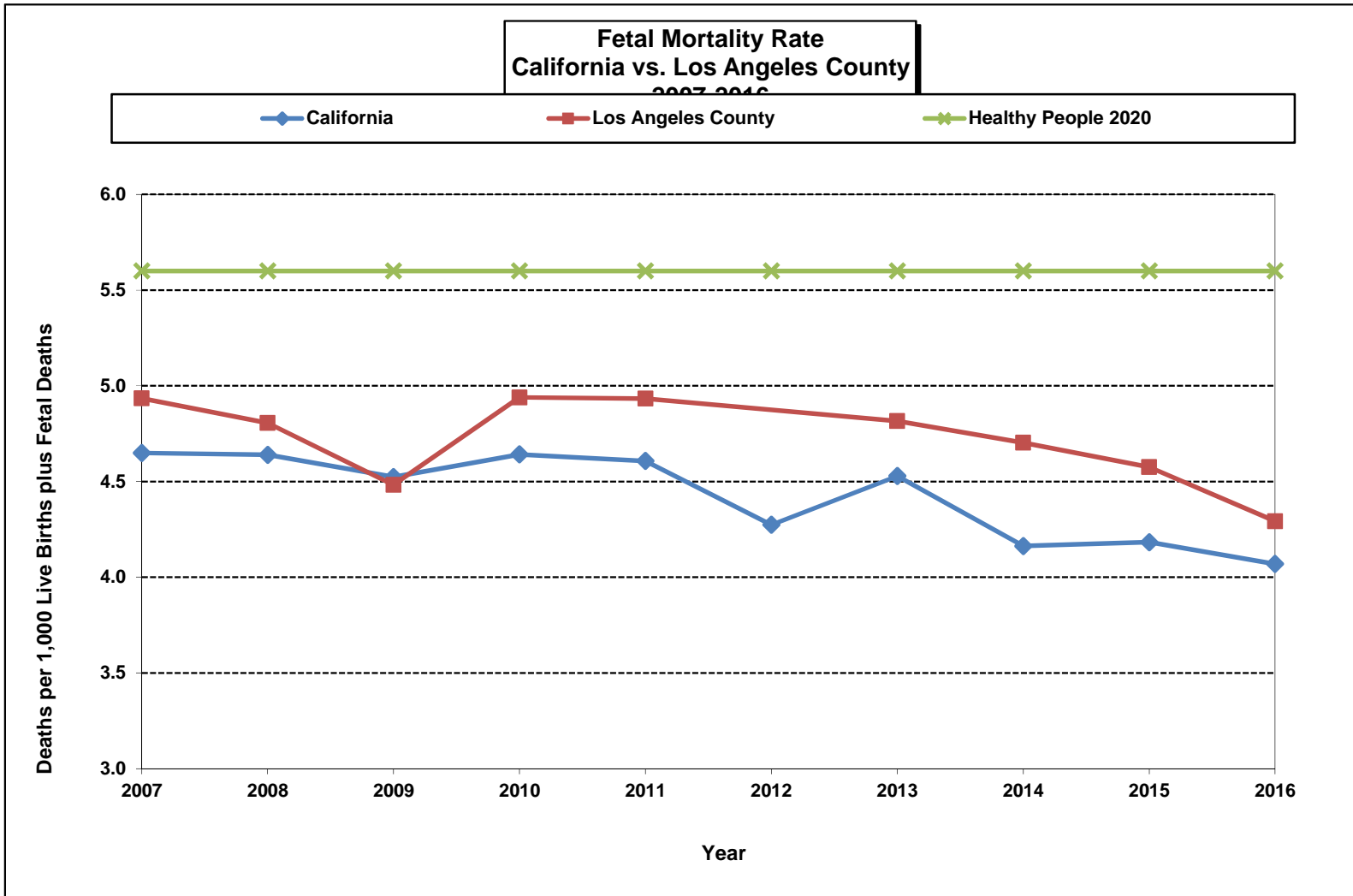
Notes: Total Births = Live Births + Fetal Deaths.

For numbers of fetal deaths in California and Los Angeles County, records with missing gestational age are excluded (n=106).

Gestation calculated based on last menses in years 2007-2014. Gestation calculated based on obstetrical estimate in 2015 and 2016.

Sources: California Department of Public Health, Birth, and Fetal Death Statistical Master Files, 2007-2016.

Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics, Natality public-use data 2007-2016 (for state data).



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.

Notes: For numbers of fetal deaths in California and Los Angeles County, records with missing gestational age are excluded (n=106).

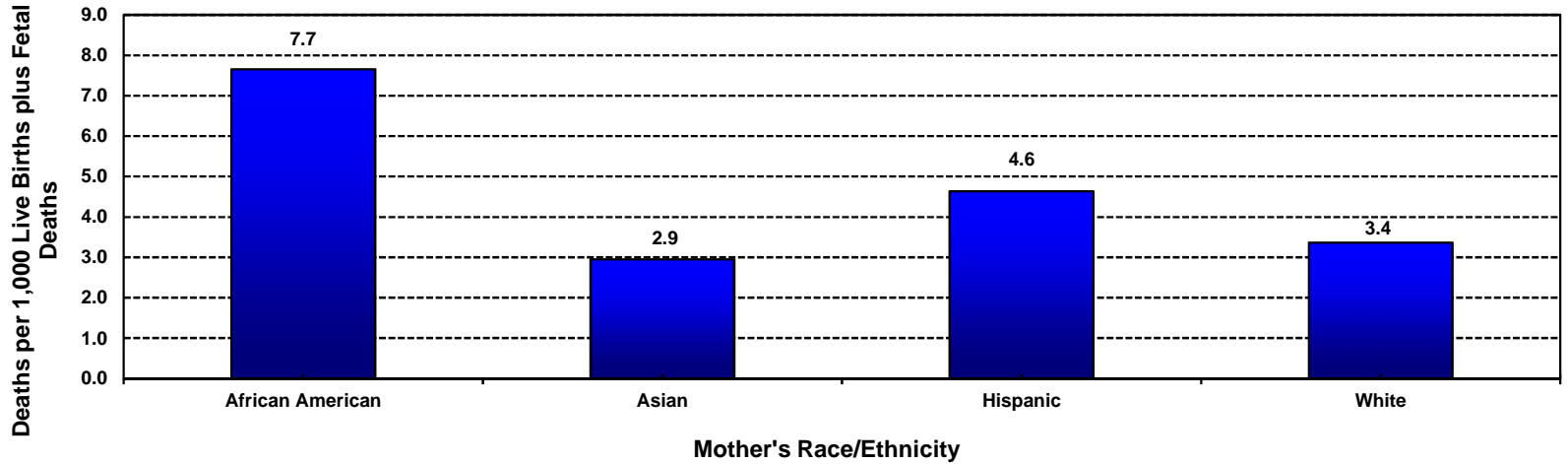
"Fetal Mortality Rate" is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

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California Department of Public Health, Birth, and Fetal Death Statistical Master Files, 2007-2016.

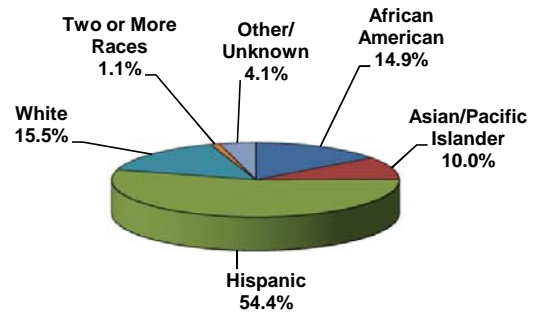
**Fetal Mortality Rate by Mother's Race/Ethnicity  
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Race/Ethnicity	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	65	7.7	5.8	9.5
Asian	58	2.9	2.2	3.7
Hispanic	315	4.6	4.1	5.1
Native American	<5	N/C	N/C	N/C
White	77	3.4	2.6	4.1
Two or More Races	5	2.5	0.3	4.7
Other/ Unknown	6	3.0	0.6	5.4
Pacific Islander	<5	N/C	N/C	N/C
<b>Total</b>	<b>530</b>	<b>4.3</b>	<b>3.9</b>	<b>4.7</b>

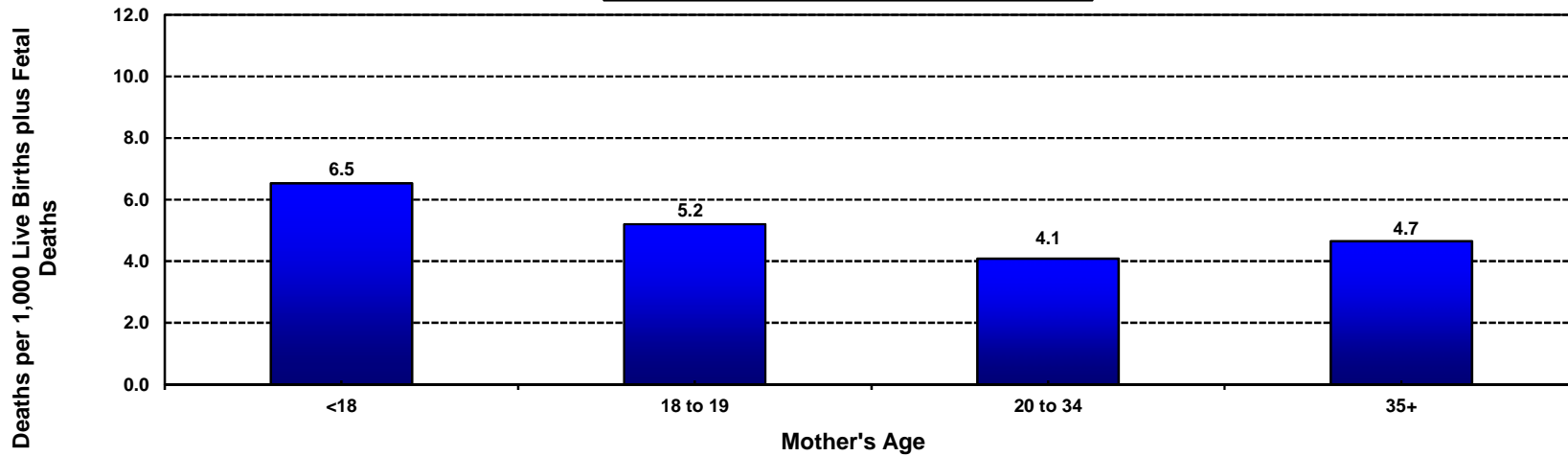
Total Live Births Plus Fetal Deaths
8,490
19,666
67,981
141
22,885
2,010
2,015
283
<b>123,471</b>

**Distribution of Fetal Deaths by Mother's Race/Ethnicity  
Los Angeles County, 2016**



Notes: "Fetal Mortality Rate" is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.  
 Total Births = Live Births + Fetal Deaths.  
 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, Birth and Fetal Death Statistical Master Files, 2016.

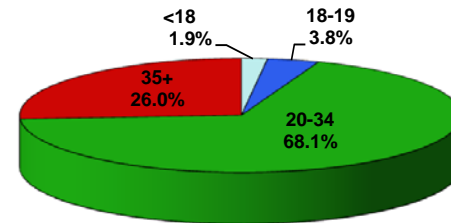
**Fetal Mortality Rate by Mother's Age  
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Age	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
<18	10	6.5	2.5	10.6
18 to 19	20	5.2	2.9	7.5
20 to 34	361	4.1	3.7	4.5
35+	138	4.7	3.9	5.4
Other/ Unknown	<5	N/C	N/C	N/C
<b>Total</b>	<b>530</b>	<b>4.3</b>	<b>3.9</b>	<b>4.7</b>

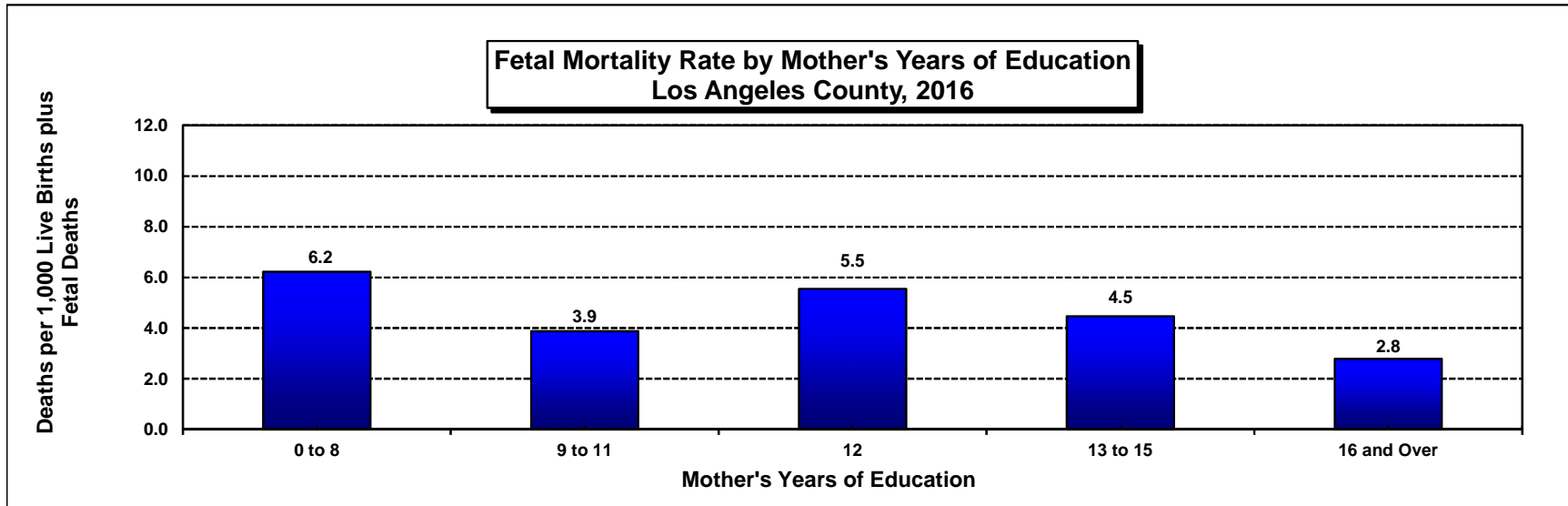
Total Live Births Plus Fetal Deaths
1,531
3,846
88,417
29,661
16
<b>123,471</b>

**Distribution of Fetal Deaths  
by Mother's Age  
Los Angeles County, 2016**



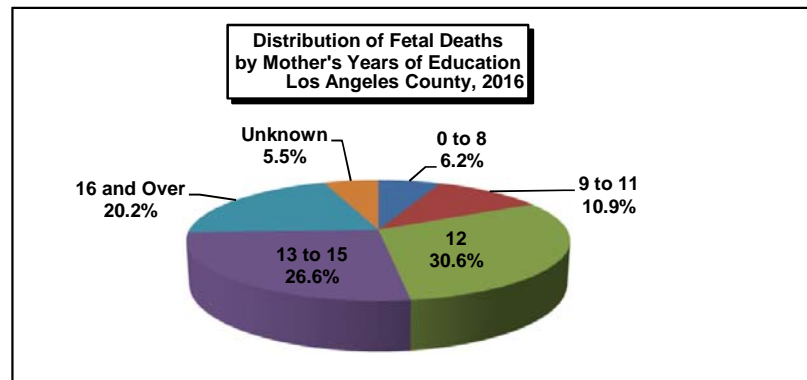
Notes: "Fetal Mortality Rate" is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.  
 Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.  
 Total Births = Live Births + Fetal Deaths.

Source: California Department of Public Health, Birth and Fetal Death Statistical Master Files, 2016.



Los Angeles County, 2016				
Mother's Years of Education	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
0 to 8	33	6.2	4.7	7.7
9 to 11	58	3.9	3.2	4.6
12	162	5.5	4.9	6.2
13 to 15	141	4.5	3.9	5.0
16 and Over	107	2.8	2.4	3.2
Unknown	29	7.2	5.4	9.1
<b>Total</b>	<b>530</b>	<b>4.3</b>	<b>4.0</b>	<b>4.6</b>

Total Live Births Plus Fetal Deaths
5,304
14,963
29,197
31,562
38,433
4,012
<b>123,471</b>

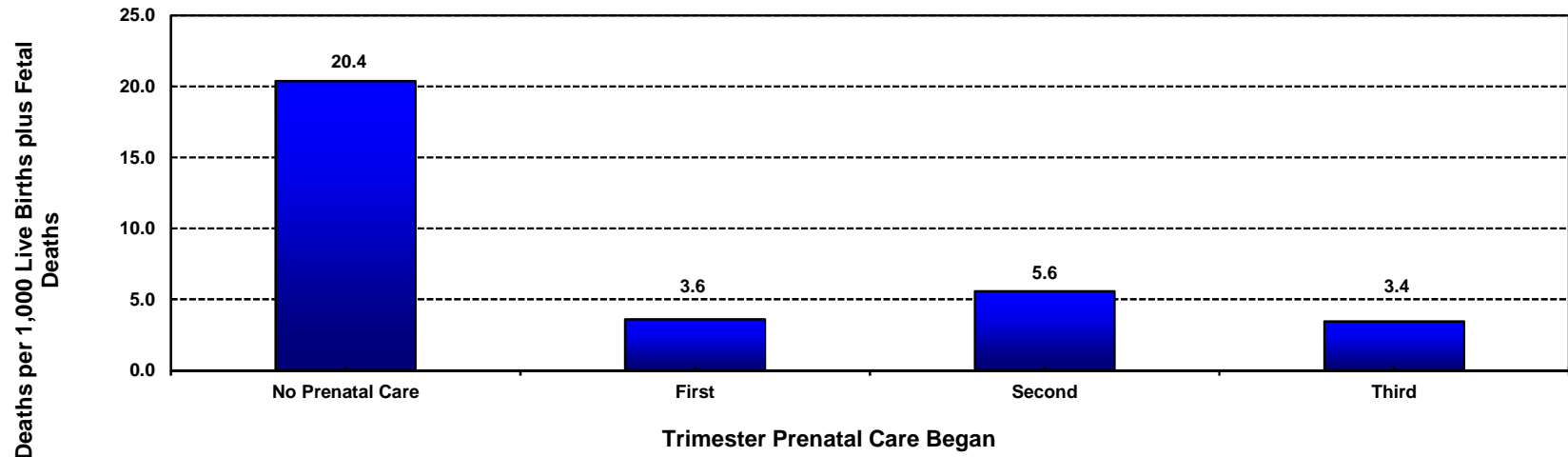


Notes: "Fetal Mortality Rate" is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.

Total Births = Live Births + Fetal Deaths.

Source: California Department of Public Health, Birth and Fetal Death Statistical Master Files, 2016.

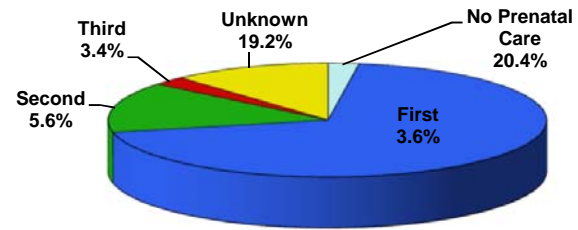
**Fetal Mortality Rate by Mother's Trimester Prenatal Care (PNC) Began  
Los Angeles County, 2016**



Los Angeles County, 2016				
Mother's Trimester Prenatal Care Began	Fetal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
No Prenatal Care	12	20.4	12.3	28.5
First	367	3.6	3.3	3.8
Second	76	5.6	4.7	6.5
Third	13	3.4	2.1	4.8
Unknown	62	19.2	15.8	22.5
<b>Total</b>	<b>530</b>	<b>4.3</b>	<b>4.0</b>	<b>4.6</b>

Total Live Births Plus Fetal Deaths
589
102,225
13,651
3,771
3,235
<b>123,471</b>

**Distribution of Fetal Deaths by Mother's Trimester Prenatal Care Began  
Los Angeles County, 2016**



Notes: "Fetal Mortality Rate" is defined as deaths occurring at 20 weeks or more gestation per 1,000 live births plus fetal deaths.  
 Total Births = Live Births + 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 Public Health, Birth and Fetal Death Statistical Master Files, 2016.