

# **Maternal Mortality**

**TITLE V PERINATAL INDICATORS 2011**

**INDICATOR:** Maternal Mortality Ratio

**DEFINITION:** The number of maternal deaths per 100,000 live births

**NUMERATOR:** The number of maternal deaths defined by death due to pregnancy, childbirth and the puerperium as identified by ICD-9 codes 630-676, or by ICD-10 codes O00-O99, 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 maternal deaths to no more than 4.3 per 100,000 live births.  
(Baseline: 9.9 per 100,000 live births in 1999) (Objective 16-4)

**HEALTHY PEOPLE 2020 OBJECTIVE:**

Reduce maternal deaths to no more than 11.4 per 100,000 live births.  
(Baseline: 12.7 per 100,000 live births in 2007) (Objective MICH-5)

**RISK FACTORS:**

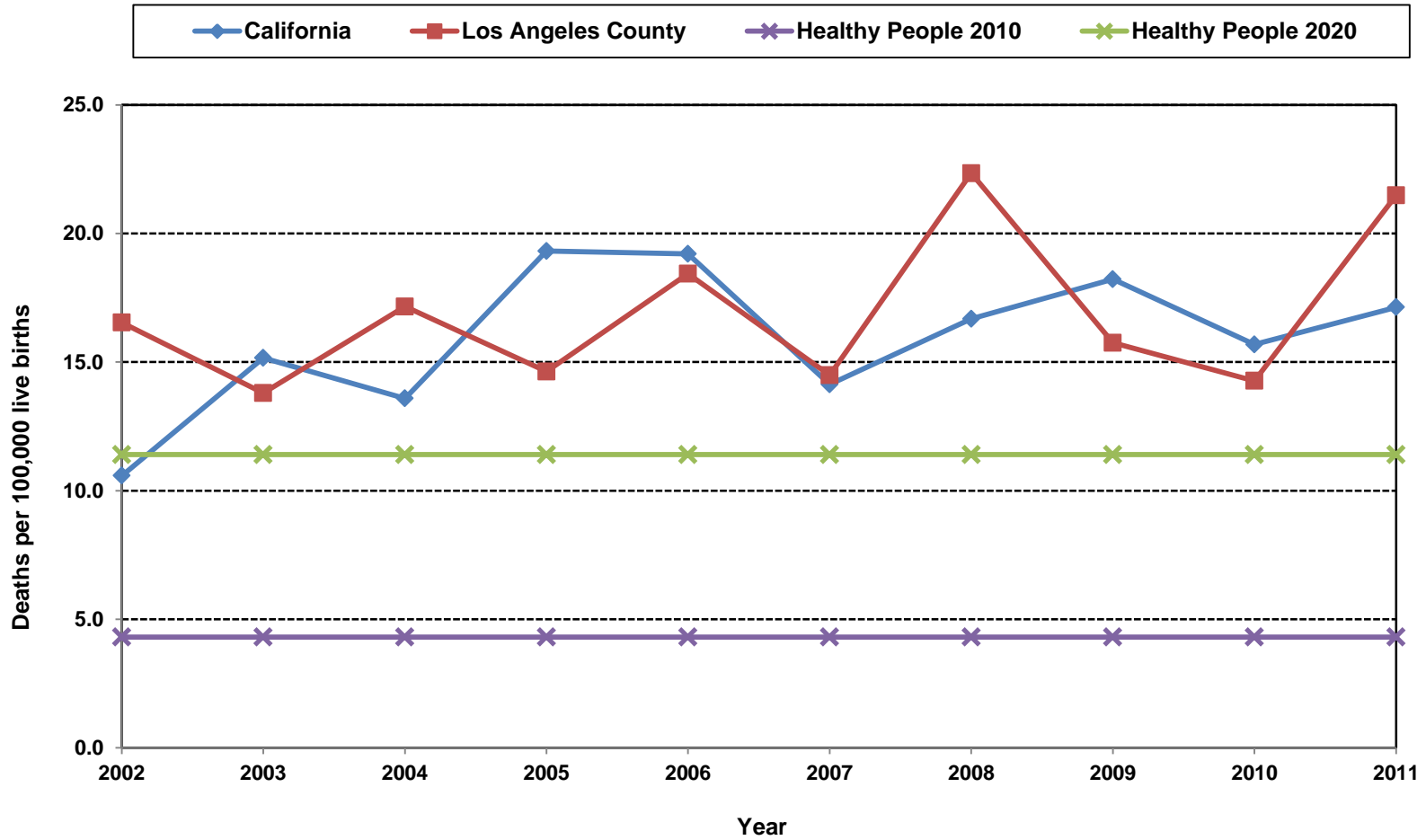
Race/ethnicity (African American); maternal age over thirty; high parity; late entry into prenatal care; lack of comprehensive prenatal care; tobacco use during pregnancy; alcohol/substance abuse during pregnancy

Year	California				Los Angeles County			
	Maternal Mortality		95% Confidence Interval		Maternal Mortality		95% Confidence Interval	
	Deaths	Ratio	Lower	Upper	Deaths	Ratio	Lower	Upper
2002	56	10.6	7.8	13.4	25	16.5	10.1	23.0
2003	82	15.2	11.9	18.4	21	13.8	7.9	19.7
2004	74	13.6	10.5	16.7	26	17.2	10.6	23.8
2005	106	19.3	15.6	23.0	22	14.6	8.5	20.7
2006	108	19.2	15.6	22.8	28	18.4	11.6	25.3
2007	80	14.1	11.0	17.2	22	14.5	8.4	20.5
2008	92	16.7	13.3	20.1	33	22.3	14.7	30.0
2009	96	18.2	14.6	21.9	22	15.8	9.2	22.3
2010	80	15.7	12.2	19.1	19	14.3	7.9	20.7
2011	86	17.1	13.5	20.8	28	21.5	13.5	29.4

Year	Denominator: Live Births	
	California	LA County
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
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
2011	502,023	130,313

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, Vital Statistics Query System, 2002-2011.

### Maternal Deaths per 100,000 Live Births California vs. Los Angeles County, 2002-2011



Year 2010 Objective: Reduce maternal deaths to no more than 4.3 per 100,000 live births.

Year 2020 Objective: Reduce maternal deaths to no more than 11.4 per 100,000 live births.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, Vital Statistics Query System, 2002-2011.