

Summary of All State-wide Epidemiologic Studies of PM_{2.5} and Total (All Cause) Mortality in California

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Relative risk of death from all causes (RR and 95% CI) associated with increase of 10 µg/m³ in PM_{2.5}

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McDonnell 2000	CA AHSMOG Cohort (N~3,800 [1,347 M + 2,422 F]; Adventists in 9 airsheds, used to estimate PM _{2.5})	RR ~ 1.03 (0.95 – 1.12) during 1976-1992
Krewski 2000 (from Krewski 2010)	CA CPS II Cohort (N=40,408 [18,000 M + 22,408 F]; 4 MSAs; 1979-1983 PM _{2.5} ; 44 covariates)	RR = 0.872 (0.805-0.944) during 1982-1989
Enstrom 2005	CA CPS I Cohort (N=35,783 [15,573 M + 20,210 F]; 11 counties; 1979-1983 PM _{2.5})	RR = 1.039 (1.010-1.069) during 1973-1982 RR = 0.997 (0.978-1.016) during 1983-2002
Enstrom 2006	CA CPS I Cohort (N=35,783 [15,573 M + 20,210 F]; 11 counties; 1979-1983 & 1999-2001 PM _{2.5})	RR = 1.061 (1.017-1.106) during 1973-1982 RR = 0.995 (0.968-1.024) during 1983-2002
Zeger 2008	“West” portion of MCAPS Cohort (3.1 M [1.5 M M + 1.6 M F]; Medicare enrollees in CA+OR+WA; 2000-2005 PM _{2.5})	RR = 0.989 (0.970-1.008) during 2000-2005
Jerrett 2010	CA CPS II Cohort (N=77,767 [34,367 M + 43,400 F]; 54 counties; 2000 PM _{2.5} ; KRG ZIP; 20 Ind Cov+7 Eco Var; Slide 12)	RR ~ 0.994 (0.965-1.025) during 1982-2000
Krewski 2010	CA CPS II Cohort (N=40,408; 4 MSAs; 1979-1983 PM _{2.5}) 44 covariates (N=50,930; 7 MSAs; 1999-2000 PM _{2.5})	RR = 0.960 (0.920-1.002) during 1982-2000 RR = 0.968 (0.916-1.022) during 1982-2000
Jerrett 2011	CA CPS II Cohort (N=73,609 [32,509 M + 41,100 F]; 54 counties; 2000 PM _{2.5} ; KRG ZIP Model; 20 Ind Cov+7 Eco Var; Table 28)	RR = 0.994 (0.965-1.024) during 1982-2000
Jerrett 2011	CA CPS II Cohort (N=73,609 [32,509 M + 41,100 F]; 54 counties; 2000 PM _{2.5} ; Nine Model Ave; 20 IC+7 EV; Fig 22 & Tab 27-32)	RR = 1.002 (0.992-1.012) during 1982-2000
Lipsett 2011	CA Teachers Cohort (N=73,489 [73,489 F]; 2000-2005 PM _{2.5})	RR = 1.01 (0.95 – 1.09) during 2000-2005
Ostro 2011 (Erratum which replaced Ostro 2010)	CA Teachers Cohort (N=43,220 [43,220 F]; 2002-2007 PM _{2.5})	RR = 1.06 (0.96 – 1.16) during 2002-2007