

Adverse Pregnancy Outcomes Following Motor Vehicle Crashes

Catherine J. Vladutiu, PhD, Stephen W. Marshall, PhD, Charles Poole, ScD, Carri Casteel, PhD,
M. Kathryn Menard, MD, Harold B. Weiss, PhD

Appendix A

Sensitivity analysis of under-ascertainment of first motor vehicle crash during pregnancy

Differential ascertainment of motor vehicle crashes (sensitivity)		"Corrected" crude rate ratios for selected adverse pregnancy outcomes			
Among referent level of unknown covariate (%)	Among exposure level of unknown covariate (%)	Preterm birth	Stillbirth	Placental abruption	PROM
100 ^a	100 ^a	1.24	1.05	1.34	1.31
90	80	1.25	1.06	1.35	1.31
90	70	1.25	1.06	1.35	1.31
80	90	1.24	1.05	1.35	1.31
80	70	1.25	1.06	1.35	1.31
80	60	1.25	1.06	1.35	1.31
80	50	1.26	1.07	1.36	1.30
70	90	1.24	1.05	1.35	1.32
70	80	1.24	1.05	1.35	1.32
70	50	1.26	1.06	1.36	1.31
60	80	1.24	1.05	1.35	1.32
60	50	1.25	1.06	1.36	1.31
60	40	1.26	1.06	1.36	1.31

^aAssumes complete ascertainment of crashes (as observed in the data)

PROM, premature rupture of the membranes