

Table S2: Quality scores of included studies for different methodological elements

Study	Design	Timeframe	Country	Selection	Response rate	Sample size	Participants	Representatives	Definition of IHD/MI	Assessment of noise	Biological plausibility	Personal covariates	Environmental covariates	Effect size calculation	Additional transformations	Overall
Gan <i>et al.</i> (2011)	2	0.5	2	3	1	3	1	3	1	1	1.5	5	0	3	1 (assigned noise levels)	28 (moderate)
Ising <i>et al.</i> (1997)	3	0	2	3	1	3	1	3	3	1	0.5	2	2	3	1(assigned noise levels)	28.5 (moderate)
Selander <i>et al.</i> (2013)	3	0.5	2	3	1	3	1	3	3	2	0.5 (duration of exposure unknown)	2	2	3	3	32 (high)
Kersten and Backé (2015)	3	0.5 (obtained from another study)	2	3	3	3	1	3	3	2.5 (validation measurements)	1.5	2 (used directed acyclic graph)	2 (used directed acyclic graph)	3	3	35.5 (high)
Virkkunen <i>et al.</i> (2005)	4	0.5	2	3	0	3	1	3	3	2	0.5 (duration of exposure unknown)	2	0	1 (HR combined with OR)	3	28 (moderate)
Bellach <i>et al.</i> (1995)	2	0	2	3	0	3	0	0	1	1	0	2	2	0 (cited in other sources)	0 (primary study unavailable)	16 (low)
McNamee <i>et al.</i> (2006)	3	0.5	2	3	3	3	1	3	3	2	1.5	2	0	1 (OR combined with HR/RR/Rate ratio)	3	31 (high)
Davies <i>et al.</i> (2005)	4	0.5	2	3	3	3	1	3	3	3	1.5	2	0	3	3	35 (high)
Saadicani <i>et al.</i> (2012)	4	0.5	2	3	1	3	1	1	3	1	1.5	5	0	3	1 (assigned noise levels)	30 (moderate)
Virtanen and Notkola (2002)	4	0.5	2	3	3	3	1	3	3	2	1.5	0	0	3	0 (unassigned noise levels)	29 (moderate)
Gopinath <i>et al.</i> (2011)	2	0.5	2	3	1	3	1	3	1	1	1.5	5	0	3	0 (unassigned noise levels)	27 (moderate)
Fujino <i>et al.</i> (2007)	2	0.5	2	3	3	3	1	3	1	1	1.5	0	0	1 (computed by us, rounding error)	0 (unassigned noise levels)	22 (low)
Jovanovic <i>et al.</i> (1997)	2	0	0	0	0	0	0	0	3	0	1.5	1 (compared groups, but not matched groups)	0	1 (computed by us, rounding error, standard continuity correction of 0.5 added to each cell)	3	11.5 (low)

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Table S2 (Continued)

Study	Design	Timeframe	Country	Selection	Response rate	Sample size	Participants	Representatives	Definition of IHD/MI	Assessment of noise	Biological plausibility	Personal covariates	Environmental covariates	Effect size calculation	Additional transformations	Overall
Theriault <i>et al.</i> (1988)	3	0.5	0	3	3	3	1	3	3	2	1.5	2	0	3	1 (assigned noise levels)	29 (moderate)
Dimitrova and Karaslavova (2008)	3	0.5	1.5	3	3	3	0	3	3	1	1.5	0	0	3	0 (unassigned noise levels)	24.5 (moderate)