

Supplementary file 6. Study-level risk of bias assessment

Green = high quality (low risk of bias); Amber = moderate quality (moderate risk of bias) or unknown; Red = low quality (high risk of bias)

First author, year	Selection bias	Selection bias	Chance	Detection bias	Detection bias	Detection/Reporting bias	Reporting bias	Summary
	Participant representativeness	Group equivalence	Sample size rationale	Exposure measure	Outcome measure	Appropriate analysis	Conflict of interest	
Ades, 2013	Green	Amber	Green	Green	Green	Green	Green	Green
Adeyi, 1997	Green	Amber	Amber	Green	Green	Green	Green	Green
Akinci, 2014	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Alvarez-Dardet, 2006	Green	Amber	Green	Green	Green	Green	Green	Green
Avendano, 2009	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Bambra, 2014	Green	Amber	Green	Green	Green	Green	Green	Green
Bambra, 2009	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Bambra, 2009	Green	Amber	Amber	Green	Green	Green	Green	Green
Bambra, 2006	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Bambra, 2005	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Batniji, 2014	Green	Amber	Green	Green	Green	Green	Green	Green
Baum, 2003	Green	Amber	Amber	Green	Green	Green	Amber	Amber

Jorgenson, 2009	Green	Yellow	Yellow	Green	Green	Green	Yellow	Yellow
Jorgenson, 2009	Green	Yellow	Yellow	Green	Green	Green	Yellow	Yellow
Karim, 2010	Green	Yellow	Yellow	Green	Green	Green	Yellow	Yellow
Kick, 1990	Green	Yellow	Yellow	Green	Green	Green	Yellow	Yellow
Klenk, 2016	Green	Yellow	Green	Green	Green	Green	Green	Green
Klomp, 2008	Green	Yellow	Yellow	Green	Green	Green	Yellow	Yellow

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	Participant representativeness	Group equivalence	Sample size rationale	Exposure measure	Outcome measure	Appropriate analysis	Conflict of interest	
Van Tuyckom, 2011	Green	Amber	Green	Green	Green	Green	Green	Green
Vahid Shahidi, 2016	Green	Amber	Amber	Green	Green	Green	Green	Green
Veenhoven, 2000	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Veenhoven, 1995	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Vöörmann, 2013	Amber	Amber	Amber	Green	Green	Green	Amber	Amber
Wejnert, 2008	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Whitehead, 2000	Amber	Amber	Amber	Green	Green	Green	Green	Amber
Witvliet, 2013	Green	Amber	Amber	Green	Green	Green	Green	Green
Wu, 2007	Green	Amber	Amber	Green	Green	Green	Amber	Amber
York, 2014	Green	Amber	Green	Green	Green	Green	Amber	Green
Zambon, 2006	Green	Amber	Amber	Green	Green	Green	Amber	Amber
Zweifel, 2000	Green	Amber	Amber	Green	Green	Green	Amber	Amber

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