

	Higher quality					Lower quality					
	Direct assessment of pollutant	Clinical / direct assessment of mental health	Large sample	Nationally representative / population-based sample	Dose-response relationship	Cross-sectional study	Observational study	Self-report or poor-quality pollution measure	Self-report of mental health	Few or unexplained control variables	Small sample or pilot study
Ando et al. (2017)	x		x			x	x			x	
Bang et al. (2017)			x	x	x	x	x	x	x		
Bolle et al. (1996)		x					x	x		x	x
Brunst et al. (2019)	x						x		x		x
Cossio-Torres et al. (2013)	x	x				x	x		x		x
Hu et al. (2020)			x			x	x	x	x	x	
Khorasanchi et al. (2019)		x	x			x	x	x		x	
Kim et al. (2016)			x			x	x	x	x	x	
Krieg et al. (2009)	x	x	x			x	x				
Lee (2014)			x	x	x	x	x	x	x	x	
Manczak et al. (2020)	x						x		x	x	x
Newbury et al. (2019)	x	x	x	x	x		x				
Park (2017)			x	x	x	x	x	x	x		
Roberts et al. (2019)	x	x		x	x		x				x
Saddik et al. (2005)		x				x	x	x			x
Sui et al. (2018)						x	x	x	x		
Zhao et al. (2019)	x					x	x		x		

Supplemental File 1: Quality assessment criteria