

**Association between coalmine dust and mortality risk of lung cancer:
a meta analysis**

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Table S1 Assessment of study quality and risk of bias for cross-sectional study

Researcher	Definition of the source of information (1)	List inclusion and exclusion criteria exposed and unexposed subjects (1)	Indicate whether period used for identifying patients (1)	Indicate whether or not subjects were consented (1)	Explain any patient exclusions from analysis (1)	Indicate if evaluators of subjective component of study were masked to other aspects of the status of participants (1)	Describe if any assessments undertaken for quality assurance of the purpose (1)	Describe how confidence was assessed and/or controlled (1)	Explain how missing data were handled in the analysis (1)	Summarize patient response rates and completeness of data collection (1)	Clarify what follow-up and percentage of patients for which incomplete data or follow-up was obtained (1)	Total score
Coggon D 1995	1	1	1	1	1	1	0	0	0	0	0	6
Enteliner PE 1964	1	1	1	1	1	1	0	0	0	0	0	6
Hrubec Z 1995	1	1	1	1	1	1	0	1	0	0	0	7
Office of Population Censuses and Surveys 1978	1	1	1	1	1	1	0	0	0	0	0	6

Table S2 Assessment of study quality and risk of bias for case control study

Research	Is the case definition adequate	Representativeness of the cases	Selection of Controls	Definition of Controls	Comparability of cases and controls on the basis of the design or analysis	Ascertainment of exposure	Same method of ascertainment for cases and controls	Non-Response rate	Total scores (9)
Wang ZG 1992	1	1	1	1	2	1	1	0	8
Ameis RG 1983	1	1	1	1	2	0	1	1	8
Swain GMH 1995	0	0	1	1	2	1	1	1	7

Table S3 Assessment of study quality and risk of bias for cohort study

Research	Representativeness of the exposed cohort (1)	Selection of the non-exposed cohort (1)	Ascertainment of exposure (1)	Demonstration that outcome of interest was not present at start of study (1)	Comparability of cohorts on the basis of the design or analysis (2)	Assessment of outcome (1)	Was follow-up long enough for outcomes to occur (1)	Adequacy of follow-up (1)	Total scores (9)
Rockette 1977	1	1	1	1	2	1	1	1	9
Wang JW 1988	1	1	1	1	2	1	1	1	9
Guo P 1994	1	1	1	1	2	1	0	1	8
Kuempel	1	1	1	1	2	1	1	1	9

