

Table 2.3. Relative risk (95% confidence intervals) from meta-analyses of lung cancer among silicotics or silica-exposed workers.

| Authors | Study type | Silicosis only | Silica-exposed | Silica w/o silicosis | Overall |
|--|----------------------------|--|----------------------------|----------------------------|------------------|
| Smith <i>et al.</i> (1995) ^b | Overall | 2.2 (2.1–2.4) | | | |
| | Cohort | 2.0 (1.8–2.3) | | | |
| | Case control | 2.5 (1.8–3.3) | | | |
| Steenland and Stayner (1997) ^b | Overall | 2.3 (2.2–2.4) | 1.3 (1.2–1.4) | | |
| Tsuda <i>et al.</i> (1997) ^b | Overall | 2.74 (2.60–2.90) ^a 2.76 (2.41–3.16) ^b | | | |
| | Cohort | 2.78 (2.41–3.22) ^b | | | |
| | Case control | 2.79 (2.00–3.89) ^b | | | |
| Kurihara and Wada (2004) ^b | Overall | 2.37 (1.98–2.04) | 1.32 (1.23–1.41) | 0.96 (0.81–1.15) | |
| | Cohort | 2.49 (2.08–2.99) | 1.29 (1.20–1.40) | | |
| | Case control | 1.89 (1.45–2.48) | 1.42 (1.22–1.65) | | |
| Lacasse <i>et al.</i> (2005) ^b | Overall | Not available | | | |
| | Cohort | 2.45 (1.63–3.66) | | | |
| | Case control | 1.70 (1.15–2.53) | | | |
| Pelucchi <i>et al.</i> (2006) ^b | Overall | 1.74 (1.37–2.22) | | | |
| | Cohort | 1.69 (1.32–2.16) | 1.25 (1.18–1.33) | 1.19 (0.87–1.57) | 1.34 (1.25–1.45) |
| | Case control | 3.27 (1.32–8.2) | 1.41 (1.18–1.70) | 0.97 (0.68–1.38) | 1.41 (1.18–1.67) |
| Erren <i>et al.</i> (2009) ^b | Overall | 2.1 (2.0–2.3) ^a | | 1.2 (1.1–1.3) ^a | |
| | | 2.1 (1.9–2.3) ^b | | 1.2 (1.0–1.3) ^b | |
| | | 2.1 (1.8–2.4) ^c | | | |
| | Cohort | 2.1 (1.9–2.2) ^a | | 1.2 (1.1–1.3) ^a | |
| Case control | 2.1 (1.7–2.6) ^a | | 1.0 (0.7–1.3) ^a | | |

^a Fixed effects analysis

^b Random effects analysis

^c Fixed effects, adjusted for smoking