Supplementary Material 2. Assessment of risk of bias in individual epidemiological studies

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| **Types of Bias** | | **Risk of Bias Tool** | **Response Options** | **Risk of Bias Assessment** |
| **Key Criteria** | **Detection Bias** | Can we be confident in the exposure characterization? | Risk of Bias Ratings     |  |  | | --- | --- | | **++** | Definitely low | | **+** | Probably low | | **-** | Probably high | | **--** | Definitely high | | |  |  |  | | --- | --- | --- | | **Risk of Bias** | | | | **Tier** | **Key factor** | **Other factors** | | **1** | **++/+** | **Mostly** **++/+** | | **2** | Things that do not meet 1, 3 tiers | | | **3** | **-/--** | **Mostly**  **-/--** | |
| Can we be confident in the outcome assessment? |
| **Confounding Bias** | Did the study design or analysis account for important confounding and modifying variables? |
| **Selection Bias** | | Did selection of study participants result in appropriate comparison groups? |
| **Attrition/Exclusion Bias** | | Were outcome data complete without attrition or exclusion from analysis? |
| **Selective Reporting Bias** | | Were all measured outcomes reported? |
| **Other Sources of Bias** | | Were statistical methods appropriate? |
| Did researchers adhere to the study protocol? |

(Source) Reorganize the contents of Handbook of OHAT approach