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

|  |  |  |  |
| --- | --- | --- | --- |
| **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