

Supplementary Table 1. Risk of bias analysis performed according to the Newcastle-Ottawa scale.

Study ID	Selection			Comparability	Outcome		Total (Max. 9 ×)
	Representativeness of exposure cohort (×)	Selection of non- exposed cohort (×)	Ascertainment of exposure (××)	(××)	Assessment of outcome (×)	Adequacy of follow up (××)	
Bernatsky <i>et al</i> (2011)	×	N/A	× -	× ×	×	× ×	7×
Bi <i>et al</i> (2021)	×	N/A	× -	× ×	×	× ×	7×
Blum <i>et al</i> (2020)	×	N/A	× ×	× ×	-	× ×	7×
Bo <i>et al</i> (2021)	×	N/A	× ×	× ×	×	× ×	8×
Bowe <i>et al</i> (2018)	×	N/A	× ×	× ×	×	× ×	8×
Bowe <i>et al</i> (2020)	×	N/A	× ×	× ×	×	× ×	8×
Bragg-Gresham <i>et al</i> (2018)	×	N/A	× ×	× ×	×	× ×	8×
Chan <i>et al</i> (2018)	×	N/A	× ×	× ×	×	× ×	8×

Chang <i>et al</i> (2021)	x	N/A	x -	x x	x	x x	7x
Chen <i>et al</i> (2018)	x	N/A	x x	x x	x	x x	8x
Chin <i>et al</i> (2018)	x	N/A	x x	x x	x	x x	8x
Chuang <i>et al</i> (2015)	-	N/A	x x	x x	x	- x	6x
Dehom <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Fang <i>et al</i> (2020)	-	N/A	x -	x x	x	- x	5x
Feng <i>et al</i> (2021a)	x	N/A	x x	x x	x	x x	8x
Feng <i>et al</i> (2021b)	x	N/A	x x	x x	x	x x	8x
Feng <i>et al</i> (2021c)	x	N/A	x x	x x	x	x x	8x
Gao <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Ghazi <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Gu <i>et al</i> (2020)	x	N/A	x x	x x	x	x x	8x

Jung <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Kuźma <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Li A. <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Li G. <i>et al</i> (2021)	x	N/A	x -	x x	x	x x	7x
Li Q. <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Liang <i>et al</i> (2021)	x	N/A	x x	x x	x	x x	8x
Lin <i>et al</i> (2018)	x	N/A	x x	x x	x	x x	8x
Lin <i>et al</i> (2020a)	x	N/A	x x	x x	x	x x	8x
Lin <i>et al</i> (2020b)	x	N/A	x -	x x	x	x x	7x
Mehta <i>et al</i> (2016)	x	N/A	x x	x x	x	x x	8x
Pierotti <i>et al</i> (2018)	-	N/A	x x	x x	x	x x	7x
Ran <i>et al</i> (2020a)	x	N/A	x x	x x	x	x x	8x
Ran <i>et al</i> (2020b)	x	N/A	x x	x x	x	x x	8x

Weaver <i>et al</i> (2018)	×	N/A	× -	× ×	-	× ×	6×
Wang <i>et al</i> (2020)	×	N/A	× ×	× ×	×	- ×	7×
Wu <i>et al</i> (2020)	×	N/A	× ×	× ×	×	× ×	8×
Xu <i>et al</i> (2016)	×	N/A	× ×	× ×	×	- ×	7×
Yang <i>et al</i> (2017)	×	N/A	× ×	× ×	×	- ×	7×
Zeng <i>et al</i> (2021)	×	N/A	× -	× ×	×	× ×	7×
Zhao <i>et al</i> (2020)	×	N/A	× ×	× ×	×	× ×	8×

Crosses (×) indicate the allocation of a point in the scale; The minus sign (-) indicates the failure to accommodate the subject(s) discussed.

Ascertainment of exposure checks the derivation of the exposure measurements (×) and the demonstration that the outcome of interest was not present at the start of the study (×). Comparability encompasses the presence of the main confounder age (×) and any additional confounder(s) (×) respectively. Articles were considered to have a high risk of bias below 4 points, a medium risk of bias below 6 points, and a low risk of bias above or equal to 6 points. **Abbreviations:** N/A, not applicable.