

S4 Table

Risk of bias and study quality assessment.

| Study | Control for confounders | | Newcastle-Ottawa Scale (cohort) | | | | | | | | | |
|------------------------------|-------------------------|----------|--|---------------------------------|---------------------------|---|---|---------------------------------------|-----------------------|-----------------------|---------------------------|-----------------|
| | Severity of illness | Age | Representativeness of the exposed cohort | Selection of non-exposed cohort | Ascertainment of exposure | Demonstration that outcome was not present at start | Comparability of the two cohorts: severity of illness | Comparability of the two cohorts: age | Assessment of outcome | Follow-up long enough | Completeness of follow-up | Total NOS score |
| Berg 2013 [10] | no | no | * | * | * | * | | | * | * | * | 7 |
| Cannon 2012 [19] | no | no | * | * | * | * | | | * | * | * | 7 |
| Capuzzo 2012 [20] | no | adj (RR) | * | * | * | * | | * | * | * | | 7 |
| Castellanos-Ortega 2010 [21] | adj | adj | * | * | * | * | * | * | * | * | * | 9 |
| Chen 2013 [22] | no | no | * | * | * | * | | | * | * | | 6 |
| De Miguel-Yanes 2009 [23] | no | no | * | * | * | * | | | * | * | | 6 |
| El Solh 2008 [24] | bal | bal | | * | * | * | * | * | * | * | | 7 |
| Ferrer 2008 [25] | bal, adj | bal, adj | * | * | * | * | * | * | * | * | * | 9 |
| Francis 2010 [26] | no | bal | * | * | * | * | | * | * | * | | 7 |
| Girardis 2009 [27] | no | bal | * | * | | * | | * | * | * | * | 7 |
| Giuliano 2011 [9] | bal | bal | * | * | * | * | * | * | * | * | * | 9 |
| Gurnani 2010 [28] | bal | no | * | * | * | * | * | | * | * | | 7 |
| Heppner 2012 [29] | no | bal | | * | * | * | | * | * | * | | 6 |
| Hoo 2009 [30] | no | no | | | * | * | | | * | | | 3 |
| Jacob 2012 [31] | no | adj (HR) | | * | * | * | | * | * | * | * | 7 |
| Jeon 2012 [32] | bal | bal | * | * | * | * | * | * | * | * | * | 9 |
| Jones 2011 | no | bal | * | * | * | * | | * | * | * | | 7 |

[33]

| | | | | | | | | | | | | | |
|---------------------------|----------|-----|---|---|---|---|---|---|---|---|---|---|---|
| Kuan 2013 [34] | no | no | * | * | * | * | | | * | * | | | 6 |
| Laguna-Perez 2012 [35] | bal | bal | * | * | * | * | * | * | * | * | * | | 7 |
| LaRosa 2012 [36] | no | adj | * | * | | * | | * | * | | * | | 6 |
| Lefrant 2010 [37] | adj (HR) | bal | * | * | * | * | * | * | * | * | * | | 8 |
| Levy 2010 [8] | no | no | * | * | | * | | | * | * | | | 5 |
| Levy 2014 [38] | no | no | * | * | | * | | | * | * | | | 5 |
| MacRedmond 2010 [39] | adj | no | * | * | * | * | * | | * | * | | | 7 |
| McKinley 2011 [40] | bal | bal | | * | * | * | * | * | * | * | * | | 7 |
| Memon 2012 [41] | bal | bal | * | * | * | * | * | * | * | * | * | * | 9 |
| Micek 2006 [42] | adj | adj | * | * | * | * | * | * | * | * | * | * | 9 |
| Miller 2013 [43] | no | no | * | * | * | * | | | * | * | | | 6 |
| Moore 2009 [44] | no | no | * | * | * | * | | | * | | | | 5 |
| Na 2012 [45] | no | no | * | * | | * | | | * | * | | | 5 |
| Nguyen HB 2007 [46] | no | no | * | * | * | * | | | * | * | | | 6 |
| Nguyen HM 2012 [47] | bal | no | * | * | * | * | * | | * | * | | | 7 |
| Noritomi 2014 [48] | no | bal | * | * | * | * | | * | * | * | | | 7 |
| Palleschi 2013 [49] | no | no | * | * | * | * | | | * | * | | | 6 |
| Patocka 2014 [50] | no | bal | * | * | * | * | | * | * | * | | | 7 |
| Plambech 2012 [51] | no | no | * | * | * | * | | | * | * | | | 6 |
| Schramm (A) 2011 [53] | adj | no | | * | * | * | * | | * | * | * | | 7 |
| Schramm (B) 2011 [53] | adj | no | | * | * | * | * | | * | * | * | | 7 |
| Seoane 2013 [54] | no | no | | | * | * | | | * | * | | | 4 |

| | | | | | | | | | | | | |
|-------------------------|-----|-----|---|---|---|---|---|---|---|---|---|---|
| Shapiro 2006 [55] | bal | bal | * | * | * | * | * | * | * | * | * | 8 |
| Shiramizo 2011 [56] | no | no | * | * | * | * | | * | * | | | 6 |
| Silverman (A) 2011 [57] | no | no | | | * | * | | | * | | | 3 |
| Silverman (B) 2011 [57] | no | no | | * | * | * | | | * | | | 4 |
| Sweet 2010 [58] | no | no | * | * | * | * | | | * | * | | 6 |
| Thiel 2009 [59] | adj | adj | * | * | * | * | * | * | * | * | | 8 |
| Tromp (A) 2010 [60] | no | no | * | * | * | * | | | * | * | | 6 |
| Tromp (B) 2010 [60] | no | no | * | * | * | * | | | * | * | | 6 |
| Vallée 2007 [61] | bal | bal | | * | * | * | * | * | * | * | * | 8 |
| Van Zanten 2014 [6] | adj | adj | * | * | * | * | * | * | * | * | * | 9 |
| Wang 2013 [62] | bal | bal | * | * | * | * | * | * | * | * | | 8 |
| Westphal 2011 [63] | adj | bal | * | * | * | * | * | * | * | * | | 8 |

Newcastle-Ottawa Scale (case-control)

| | | | Case definition | Representativeness of cases | Selection of controls | Definition of controls | Comparability: severity of illness | Comparability: age | Ascertainment of exposure | Same method for ascertainment | Non-response (exclusions for missing data) | Total NOS score |
|------------------|-----|-------|-----------------|-----------------------------|-----------------------|------------------------|------------------------------------|--------------------|---------------------------|-------------------------------|--|-----------------|
| Bond 2013 [18] | no | match | * | | | * | | * | * | * | * | 6 |
| Sawyer 2011 [52] | bal | bal | * | * | | * | * | * | * | * | | 7 |

*Item fulfilled. The adjusted effect estimate calculated by the authors was odds ratio unless otherwise indicated in parentheses.

adj adjusted; *bal* balance; *match* matching; *RR* relative risk; *HR* hazard ratio.