

Additional file 3 Quality assessment of included studies based on the Newcastle-Ottawa Scale score

Cohort studies

Study ID	Representativeness of the exposed cohort	Selection of the non-exposed cohort	Ascertainment of exposure	Demonstration that outcome of interest was not present at start of study	Comparability of cohorts on the basis of the design or analysis [∞]	Assessment of outcome	Was follow-up long enough for outcomes to occur	Adequacy of follow-up of cohorts	Total stars
Weiderpass 2002	★	★	★	★	★	★	★	★	8
Zendehdel 2003	★	★	★	★	★	★	★	...	7
Swerdlow 2005	★	★	★	...	★	★	★	★	7
Inoue 2006	★	★	★	★	★	★	★	★	8
Khan 2006	★	★	★	★	★	★	...	★	7
Hemminki 2010	★	★	★	★	★	★	★	...	7
Chodick 2010	★	★	★	★	★	★	...	★	7
Shu 2010	★	★	★	★	★	★	★	★	8
Wotton 2011	...	★	★	★	★	★	★	★	7
Johnson 2011	★	★	★	★	★	★	...	★	7
Lambe 2011	★	★	★	★	★	★	★	★	8
Gapstur 2012	★	★	★	★	★	★	...	★	7
Lo 2013	★	★	★	★	★	★	...	★	7
Chen 2014	★	★	★	★	★★	★	★	★	9
Hsu 2015	★	★	★	★	★	★	...	★	7

Harding 2015	★	★	★	★	...	★	★	★	7
Dankner 2016	★	★	★	★	★	★	★	★	8
Carstensen 2016	★	★	★	★	★	★	★	...	7
Fuchs 2017	★	★	★	★	...	★	★	★	7
Ballotari 2017	★	★	★	...	★	★	★	...	6
He 2018	★	★	★	★	★	★	...	★	7
Han 2018	★	★	★	★	★	★	★	★	8
Bao 2018	...	★	★	★	★	★	...	★	6
Saarela 2019	★	★	★	★	...	★	★	...	6
Linkeviciute-Ulinskiene 2019	★	★	★	★	...	★	★	★	7
Peng 2019	★	★	★	★	★	★	...	★	7
Pace 2020	★	★	★	★	★	★	★	...	7

Case-control studies

Study ID	Is the case definition adequate	Representativeness of the cases	Selection of the controls	Definition of controls	Comparability of cases and controls on the basis of the design or analysis	Ascertainment of exposure	Same method of ascertainment for cases and controls	Non-response rate	Total stars
O'Mara 1985	★	★	...	★	★	...	★	...	5
Adler 1996	★	★	★	★	★	...	5
Parazzini 1997	★	★	...	★	★	...	★	...	5
Mori 1998	★	★	★	★	★	...	★	★	7
Kuriki 2007	★	★	★	★	★	★	6
Reis 2010	★	★	...	★	...	★	★	★	6
Attner 2012	★	★	★	★	★	★	★	...	7
Bosetti 2012	★	★	...	★	★	...	★	...	5
Ruiz 2016	★	★	...	★	★	...	★	...	5

One star is awarded if matched on, or adjusted for maternal age; another star is awarded if other confounders are taken into account.