

**Appendix Table 4. Study Quality Assessment**

Author/Year	Representativeness	Random sampling	Sample Size	Description	Data analysis	Objective standards	Reviewer training/IRR	Statistical analysis	Complete data
<i>Studies with randomly selected cohorts that report incidence of diagnostic error</i>									
Wilson, 1995	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Thomas, 2000	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Neale, 2001	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes
Davis, 2003	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Baker, 2004	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Forster, 2004	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Sari, 2007	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Aranaz-Andres, 2008	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Asavaroengchai, 2009	No	Yes	No	Yes	Yes	No	No	Yes	Yes
Mendes, 2009	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Soop, 2009	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Landrigan, 2010	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Letaief, 2010	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Limon-Ramirez, 2012	No	Yes	No	Yes	Yes	No	No	Yes	Yes
Wilson, 2012	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Martinez-Mondejar, 2013	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Lancis-Sepulveda, 2014	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Akbari Sari, 2015	No	Yes	No	No	Yes	Yes	No	Yes	Yes
Wang, 2016	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Rafter, 2017	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Aranaz-Andres, 2017	No	Yes	No	Yes	Yes	No	No	Yes	Yes
Halfon, 2017	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
<i>Studies with randomly selected cohorts that report one day prevalence of diagnostic error</i>									
Aranaz-Andres, 2011	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mendes, 2018	No	Yes	No	Yes	Yes	No	No	Yes	Yes
<i>Studies of cohorts with selection criteria</i>									

<b>Leape, 1991</b>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Nenner, 1994</b>	No	No	Yes	No	Yes	No	No	No	Yes
<b>Liu, 2002</b>	No	Yes	No	Yes	Yes	No	No	Yes	Yes
<b>Tudela, 2002</b>	No	Yes	No	No	Yes	No	No	Yes	Yes
<b>Forster, 2003</b>	No	Yes	No	Yes	Yes	No	No	Yes	No
<b>Judez-Legaristi, 2009</b>	No	Yes	No	No	Yes	No	No	Yes	Yes
<b>Rahim, 2009</b>	No	Yes	No	Yes	Yes	No	No	Yes	Yes
<b>Gea-Velazquez, 2010</b>	No	No	Yes	No	Yes	Yes	No	Yes	Yes
<b>Zwaan, 2010</b>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Bapoje, 2011</b>	No	Yes	No	Yes	Yes	No	No	Yes	Yes
<b>Forster, 2011</b>	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes
<b>Baines, 2013</b>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zwaan, 2013</b>	No	No	No	Yes	Yes	No	Yes	Yes	Yes
<b>Van Rosse, 2014</b>	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
<b>Amaral, 2015</b>	No	Yes	No	Yes	Yes	No	Yes	Yes	No
<b>Baines, 2015</b>	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
<b>Marquet, 2015</b>	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
<b>Al-Jaghbeer, 2016</b>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Bellandi, 2017</b>	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
<b>Bellido, 2017</b>	No	Unclear	No	No	Yes	No	No	Yes	Yes
<b>Letaief, 2017</b>	No	Yes	Yes	No	Yes	No	No	Yes	Yes
<b>Zhang, 2017</b>	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes

IRR, inter-rater reliability.