Supplementary Table 2. Summary of risk of bias

Study ID	Measurement tool selection	Participatants' understanding of the measurement tool	Description of health states	Sampling Strategy	Response rate (if follow up involved, please also record the completion rate of follow up)	Statistical analysis
Agh 2011	Low risk of bias	Moderate risk of bias	low risk of bias	Low risk of bias	Low risk of bias	NA/ Low risk of bias
Alcazar 2012	Low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Allen-Ramey 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Antoniu 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Arne 2009	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Low risk of bias	NA/ Low risk of bias
Berkius 2013	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Boland 2014	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Boland 2015	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Boland 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Borge 2014	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Boros 2012	low risk of bias	Moderate risk of bias	low risk of bias	Serious risk of bias	low risk of bias	NA/ Low risk of bias
Bourbeau 2007	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Braido 2016	Serious risk of bias	Moderate risk of bias	Moderate risk of	Low risk of bias	Low risk of bias	NA/ Low risk of bias
Bratas 2010	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Brophy 2008	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Bulcun 2014	Low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bias
Burns 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Carlucci 2016	Serious risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Chakrabarti 2009	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Chapman 1993	Serious risk of bias	Moderate risk of bias	low risk of bias	Serious risk of bias	Moderate risk of bia	NA/ Low risk of bias
Chapman 2011	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Chen 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Chen 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Chou 2017	Serious risk of bias	Moderate risk of bias	Moderate risk of	Serious risk of bias	Low risk of bias	NA/ Low risk of bias
Chrystyn 2014	low risk of bias	Moderate risk of bias	low risk of bias	Serious risk of bias	Serious risk of bias	NA/ Low risk of bias
Claessens 2000	Serious risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	low risk of bias	NA/ Low risk of bias
Cleland 2007	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Collado-Mateo 20	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Cross 2010	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Dacosta Dibonave	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Dal Negro 2016	Serious risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Dales 1999	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Decramer 2001	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
DiBonaventura 20	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Ding 2017	Low risk of bias	Moderate risk of bias	Low risk of bias	Serious risk of bias	Serious risk of bias	NA/ Low risk of bias
Doñate-Martínez	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Low risk of bias	NA/ Low risk of bias
Downey 2009	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
Downey 2013	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Dowson 2004	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias

Eakin 1997	Serious risk of bias	low risk of bias	low risk of bias	Serious risk of bias	low risk of bias	NA/ Low risk of bias
Egan 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Eskander 2011	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Farmer 2017	low risk of bias	Moderate risk of bias	low risk of bias	Serious risk of bias	low risk of bias	NA/ Low risk of bias
Ferreira 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Fishwick 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Fletcher 2011	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Fox 1999	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Fried 2002	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Fried 2007	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Gaber 2004	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Galaznik 2013	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Garcia-Gordillo 20	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
García-Polo 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Gillespie 2013	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Goossens 2011	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Goossens 2014	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	Low risk of bias
Gruenberger 201	Low risk of bias	Moderate risk of bias	Low risk of bias	Serious risk of bias	Serious risk of bias	NA/ Low risk of bias
Guyatt 1999	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Gvozdenovic 2007	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
Hanada 2015	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
Hansen 1990	Serious risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Hansen 1994	low risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Harper 1997	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Haughney 2005	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	low risk of bias
Hawken 2017	low risk of bias	Moderate risk of bias	low risk of bias	Serious risk of bias	Moderate risk of bia	low risk of bias
Hernández 2013	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Heyworth 2009	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Hohmeier 2016	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Hong 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Hoogendoorn 201	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Hoyle 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	Low risk of bias
Hwang 2011	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Hyland 2016	Serious risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Jakobsen 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Serious risk of bias	NA/ Low risk of bias
Janssen 2011a	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Janssen 2011c	Serious risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Janssen 2014	low risk of bias	Moderate risk of bias	low risk of bias	Serious risk of bias	low risk of bias	NA/ Low risk of bias
Jarvis 2007	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Jassen 2011b	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Jia 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Jordan 2014	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Katajisto 2012	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Katula 2004	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Kawata 2014	low risk of bias	Moderate risk of bias	low risk of bias	Serious risk of bias	low risk of bias	low risk of bias

Kim 2014 Low risk of bias Moderate risk of bias Low risk of bias Moderate risk of bia Mod	Kessler 2006	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Kim Dur risk of bias Moderate risk of bias Jow risk of bias Moderate risk of bias Low risk of bias Moderate risk of bias Num / Low risk of bias Kim 2015 Low risk of bias Moderate risk of bias Low risk of bias Moderate risk of bias Num / Low risk of bias Kondolinopoulous (av risk of bias Moderate risk of bias Moderate risk of bias Num / Low risk of bias Num / Low risk of bias Kondolinopoulous (av risk of bias Moderate risk of bias Moderate risk of bias Num / Low risk of bias Num / Low risk of bia Kondolinopoulous Jow risk of bias Moderate risk of bias Mum / Num	Khdour 2011	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Kim 2015Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biaNu/Low risk of biaKontodimopoulolow risk of biasModerate risk of biasModerate risk of biaslow risk of biasModerate risk of biasModerate risk of biasKontodimopoulolow risk of biasModerate risk of biasModerate risk of biaslow risk of biasSerious risk of biasModerate risk of biasKoskela 20140low risk of biasModerate risk of biaslow risk of biasModerate risk of biaslow risk of biasKoskela 20131low risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biasKono 2016low risk of biasModerate risk of biasModerate risk of biasModerate risk of biaModerate risk of biaKono 2016low risk of biasModerate risk of biasModerate risk of biaModerate risk of biaModerate risk of biaKono 2016low risk of biasModerate risk of biasModerate risk of biaModerate risk of biaModerate risk of biaLemmens 2008low risk of biasModerate risk of biasModerate risk of biasModerate risk of biaMol Moderate risk of biasLow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biasLow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMol Mol Mol Mol Mol Mol Mol Mol Mol Mol	Kim 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Koehorst-ter Huu Low risk of bias Moderate risk of bias Moderate risk of bias Nu/ Low risk of bia Nu/ Low ri	Kim 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Kontodimopoulo wink of bias Nov risk of bias	Koehorst-ter Huu					Moderate risk of bia	NA/ Low risk of bias
Koskela 2014a ow risk of bias Moderate risk of bias ow risk of bias Sectour nuk of bias NA/Low risk of bias Kotz 2009 row risk of bias Moderate risk of bias wrisk of bias Moderate risk of bias <td>Kontodimopoulos</td> <td>low risk of bias</td> <td>Moderate risk of bias</td> <td></td> <td>low risk of bias</td> <td></td> <td>NA/ Low risk of bias</td>	Kontodimopoulos	low risk of bias	Moderate risk of bias		low risk of bias		NA/ Low risk of bias
Koskela 2014b ow risk of bias Moderate							NA/ Low risk of bias
Kotz 2009Iow risk of blasModerate risk of blasIow risk of blasModerate ris							· · ·
Kruis 2013 Iow risk of blas Moderate ri							· ·
Kuyucu 2011 Serious rask of bia Moderate risk of bias Moderat							
Kwon 2016Low risk of biasModerate risk of biasLow risk of biasModerate ris							
Lacasse 2015Low risk of biasModerate risk of biasMode							
Lemmens 2000Iow risk of biasModerate risk of biasIow risk of biasModerate risk of biaModerate risk of biasModerate risk of biasModerate risk of biaModerate risk of biaModerate risk of biasModerate ris							
Lemmens 2010Iow risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasIow risk of biasNA/ Low risk of biasLewis 2010Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasLin 2014Iow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasSerious risk of biasModerate risk of biasMahler 2014Serious risk of biasModerate risk of biasModerate risk of biaModerate risk of biaModerate risk of biaMartinez 2012Serious risk of biasModerate risk of biasLow risk of biasModerate risk of biaModerate risk of biaMartinez 2012Serious risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biaMcNu risk of biasModerate risk of biasLow risk of biasModerate risk of biasLow risk of biasModerate risk of biasMcNamara 2015Low risk of biasModerate risk of biasMiller 1999Iow risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMiller 2014Iow risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMiller 2014Iow risk of biasModerate risk of biasIow risk of bias <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Lewis 2010iow risk of biasModerate risk of biasIow risk of biasIow risk of biasN/L tow risk of biasLin 2014iow risk of biasModerate risk of biasIow risk of biasSerioux risk of biasN/L tow risk of biasLynn 2000serioux risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biaN/L tow risk of biaMahler 2014serioux risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biaN/L tow risk of biaMartínez 2012serioux risk of biasModerate risk of biasModerate risk of biasModerate risk of biasN/L tow risk of biasMartínez 2012serioux risk of biasModerate risk of biasModerate risk of biasLow risk of biasModerate risk of biasN/L tow risk of biaMartínez RiveraLow risk of biasModerate risk of biasLow risk of biasModerate risk of biasLow risk of biasN/L tow risk of biaMcNamar 2015serioux risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biasN/L ow risk of biasMiler 1991low risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biasN/L ow risk of biasMiler 2014low risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMiler 2019low risk of biasModerate risk of biasModerate risk of biasModerate risk of biasN/L							
Lin 2014Iow risk of biasModerate risk of biasIow risk of biasSerious risk of biasNA/ Low risk of biaLynn 2000Serious risk of biasModerate risk of biasModerate risk of Moderate risk of Moderate risk of Moderate risk of biaModerate risk of bia <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Lynn 2000Serious risk of biasModerate risk of biasModerate risk of biaModerate risk of biaModerate risk of biaModerate risk of biaMahler 2014Serious risk of biasModerate risk of biasModerate risk of biasModerate risk of biaModerate risk of biaModerate risk of biaMartínez 2012Serious risk of biasModerate risk of biasLow risk of biasModerate risk of biasModerate risk of biasSerious risk of biasNA/ Low risk of biaMartínez 2012Serious risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of bias							
Mahler 2014Serioux risk of biasModerate risk of biasModerate risk of biaModerate risk of biaModerate risk of biaManca 2014Low risk of biasModerate risk of biasLow risk of biasModerate risk of biaModerate risk of biaModerate risk of biaMartinez 2012Serioux risk of biasModerate risk of biasLow risk of biasLow risk of biasSerioux risk of biasNA/ Low risk of biaMartinez Rivera 2Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biasNA/ Low risk of biaMcDowell 2015Low risk of biasModerate risk of biasModerate risk of biasLow risk of biasLow risk of biasNA/ Low risk of biasMcNamara 2015Serioux risk of biasModerate risk of biasModerate risk of biasModerate risk of biaNA/ Low risk of biasMcNamara 2010Iow risk of biasModerate risk of biasModerate risk of biasModerate risk of biaModerate risk of biaMiller 1999Iow risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biaMille 2014Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaMiravitlles 2007Serioux risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014aIow risk of bias<							
Manca 2014Low risk of biasModerate risk of biasLow risk of biasModerate risk of biasNA/ Low risk of biasMartínez 2012Serious risk of biasModerate risk of biasLow risk of biasLow risk of biasSerious risk of biasNA/ Low risk of biaMartínez Rivera 2Low risk of biasModerate risk of biasModerate risk of biasLow risk of biasModerate risk of biasNA/ Low risk of biaMcNamara 2015Serious risk of biasModerate risk of biasMo							
Martínez 2012Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasNev risk of biasNev risk of biasMartinez Rivera 2Low risk of biasModerate risk of biasModerate risk of biasLow risk of biasModerate risk of biasNA/ Low risk of biasMcDowell 2015Low risk of biasModerate risk of biasModerate risk of biasLow risk of biasLow risk of biasNA/ Low risk of biaMcNamara 2015Serious risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biaMilen 2010low risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biaMilen 2014low risk of biasModerate risk of biasModerate risk of biasIow risk of biasModerate risk of biaMiravitlles 2007Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasIow risk of biasMiravitlles 2011alow risk of biasModerate risk of biasIow risk of biasModerate risk of biasIow risk of biasMiravitlles 2011alow risk of biasModerate risk of biasIow risk of biasModerate risk of biasIow risk of biasMiravitlles 2014alow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014alow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014blow risk of biasModerate risk of bias <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Martinez RiveraIow risk of biasModerate risk of biasLow risk of biasKow risk of biasModerate risk of biasMcDowell 2015Low risk of biasModerate risk of biasLow risk of biasLow risk of biasLow risk of biasNA/ Low risk of biasMcNamara 2015Serious risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biasNA/ Low risk of biasMenn 2010Iow risk of biasModerate risk of biasMiller 1999Iow risk of biasModerate risk of biasModerate risk of biasIow risk of biasModerate risk of biasMiravitlles 2017serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasMiravitlles 2019low risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasMiravitlles 2011low risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMiravitlles 2011alow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMiravitlles 2014alow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMiravitlles 2014alow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow ri							
McDowell 2015Low risk of biasModerate risk of biasLow risk of biasLow risk of biasNA/ Low risk of biasMcNamara 2015Serious risk of biasModerate risk of biasModerate risk of biasModerate risk of biasModerate risk of biaNA/ Low risk of biaMenn 2010low risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biaModerate risk of biaMiller 1999low risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMile 2014low risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMiravitles 2007Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasIow risk of biasMA/ Low risk of biaMiravitles 2019low risk of biasModerate risk of biasIow risk of biasModerate risk of biasIow risk of biasNA/ Low risk of biaMiravitles 2011alow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitles 2014blow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitles 2014blow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitles 2015blow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMir							
McNamara 2015Serious risk of biasModerate risk of biasModerate risk of biasModerate risk of biaNA/ Low risk of biasMenn 2010low risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biaModerate risk of biaMiller 1999low risk of biasModerate risk of biasIow risk of biasModerate risk of biaNA/ Low risk of biaMiller 2014low risk of biasModerate risk of biasIow risk of biasModerate risk of biaNA/ Low risk of biaMiravitlles 2007Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biaNA/ Low risk of biaMiravitlles 2019low risk of biasModerate risk of biasIow risk of biasModerate risk of biaNA/ Low risk of biaMiravitlles 2010low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2011low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2011low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk o							
Menn 2010low risk of biasModerate risk of biaslow risk of biasModerate risk of biaModerate risk of biaMiller 1999low risk of biasModerate risk of biaslow risk of biaslow risk of biasModerate risk of biaMiller 2014low risk of biasModerate risk of biaslow risk of biaslow risk of biasModerate risk of biaMiravitlles 2007Serious risk of biasModerate risk of biaslow risk of biaslow risk of biasModerate risk of biaMiravitlles 2011alow risk of biasModerate risk of biaslow risk of biaslow risk of biasModerate risk of biasMiravitlles 2011alow risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasMiravitlles 2011alow risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasMiravitlles 2011alow risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasMiravitlles 2014alow risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasMiravitlles 2014alow risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasMiravitlles 2014blow risk of biasModerate risk of biaslow risk of biaslow risk of biasNA/ Low risk of biaMiravitlles 2014blow risk of biasModerate risk of biaslow risk of biaslow risk of biasNA/ Low risk of biaMiravitlles 2015Low risk of							NA/ Low risk of bias
Miller 1999Iow risk of biasModerate risk of biasIow risk of biasModerate risk of biasNA/ Low risk of biasMilne 2014Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasNA/ Low risk of biasMiravitlles 2007Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaNA/ Low risk of biaMiravitlles 2010Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaNA/ Low risk of biaMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2011bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of	McNamara 2015		Moderate risk of bias				NA/ Low risk of bias
Milne 2014Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaMiravitlles 2007Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaMiravitlles 2009Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMiravitlles 2011bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk	Menn 2010	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi		
Miravitlles 2007Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaMiravitlles 2009Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2011bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2014Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of bia<	Miller 1999	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias		
Miravitlles 2009Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2011bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2014aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasLow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow risk of bias<	Milne 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Miravitlles 2011aIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2011bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasModerate risk of biasNA/ Low risk of biasMiravitlles 2015bLow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMitravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMitravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMitravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMittmann 1999Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMittmann 2001Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMolorad 2005Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasMoore 2004Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasMode	Miravitlles 2007	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Miravitlles 2011bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2014aIow risk of biasModerate risk of biasIow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasModerate risk of biasMittmann 1999Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMittmann 2001Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasIow risk of biasMolore 2004Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasModerate risk of biasMoterate 1990Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasNaken 2017Low risk of biasModerate risk of biasIow risk of biasIow risk of biasI	Miravitlles 2009	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias		NA/ Low risk of bias
Miravitlles 2014aIow risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMA/ Low risk of biasMiravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMittmann 1999Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMittmann 2001Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMo 2004Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaMoore 2004Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biaMutterlei 1990Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasNA/ Low risk of biaNaberan 2012Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaNaberan 2017Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaNaken 2017Low risk of biasModerate risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaNaken 2017Low	Miravitlles 2011a	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Miravitlles 2014bIow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMiravitlles 2015Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biasNA/ Low risk of biasMittmann 1999Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMittmann 2001Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMo 2004Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMolimard 2005Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasNA/ Low risk of biasMoore 2004Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasNA/ Low risk of biasMutterlei 1990Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasNA/ Low risk of biasNaberan 2012Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasNaken 2017Low risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of bias	Miravitlles 2011b	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Miravitlles 2015Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biaNA/ Low risk of biaMittmann 1999low risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasNA/ Low risk of biaMittmann 2001low risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasNA/ Low risk of biaMo 2004low risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasNA/ Low risk of biaMolimard 2005low risk of biasModerate risk of biaslow risk of biaslow risk of biasModerate risk of biaMoore 2004Serious risk of biasModerate risk of biaslow risk of biasModerate risk of biasModerate risk of biaMutterlei 1990Serious risk of biasModerate risk of biaslow risk of biasModerate risk of biasModerate risk of biasNaberan 2012low risk of biasModerate risk of biaslow risk of biaslow risk of biasNA/ Low risk of biasNaken 2017Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of bias	Miravitlles 2014a	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Mittmann 1999Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMittmann 2001Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMo 2004Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMolimard 2005Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasMoore 2004Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasMoore 2004Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biasMutterlei 1990Serious risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasNaberan 2012Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNakken 2017Low risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of bias	Miravitlles 2014b	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Mittmann 2001Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMo 2004Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasMolimard 2005Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasModerate risk of biasMoore 2004Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biaMutterlei 1990Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biasModerate risk of biaNaberan 2012Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaNaken 2017Low risk of biasModerate risk of biasIow risk of biasIow risk of biasModerate risk of biasNA/ Low risk of bias	Miravitlles 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Mo 2004low risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasNA/ Low risk of biasMolimard 2005low risk of biasModerate risk of biaslow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMoore 2004Serious risk of biasModerate risk of biaslow risk of biasModerate risk of biasModerate risk of biasModerate risk of biasMutterlei 1990Serious risk of biasModerate risk of biaslow risk of biasModerate risk of biasModerate risk of biaNaberan 2012low risk of biasModerate risk of biaslow risk of biaslow risk of biaslow risk of biasNA/ Low risk of biaNakken 2017Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biasNA/ Low risk of bias	Mittmann 1999	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Molimard 2005Iow risk of biasModerate risk of biasIow risk of biasModerate	Mittmann 2001	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Moore 2004Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biaModerate risk of biaModerate risk of biaMutterlei 1990Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biaModerate risk of biaModerate risk of biaNaberan 2012Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaNaken 2017Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biasNA/ Low risk of bia	Mo 2004	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Mutterlei 1990Serious risk of biasModerate risk of biasIow risk of biasModerate risk of biaModerate risk of biaNaberan 2012Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biaNakken 2017Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of bia	Molimard 2005	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Moderate risk of bia	Moderate risk of bias
Naberan 2012Iow risk of biasModerate risk of biasIow risk of biasIow risk of biasIow risk of biasNA/ Low risk of biasNakken 2017Low risk of biasModerate risk of biasLow risk of biasLow risk of biasModerate risk of biasNA/ Low risk of bias	Moore 2004	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
Nakken 2017 Low risk of bias Moderate risk of bias Low risk of bias Low risk of bias Moderate risk of bia	Mutterlei 1990	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
	Naberan 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Nilsson 2007 low risk of bias Moderate risk of bias low risk of bias Moderate risk of bia low risk of bias NA/ Low risk of bias	Nakken 2017	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
	Nilsson 2007	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Nishimura 2008 low risk of bias Moderate risk of bias low risk of bias Moderate risk of bia Moderate risk of bia	Nishimura 2008	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
Nolan 2016 Low risk of bias Moderate risk of bias Low risk of bias Low risk of bias Low risk of bias NA/ Low risk of bi	Nolan 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Low risk of bias	NA/ Low risk of bias

Norris 2005	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Nyman 2007	low risk of bias	Moderate risk of bias			Moderate risk of bia	
O'Reilly 2007	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Ohno 2014		Moderate risk of bias	low risk of bias	Moderate risk of bi		NA/ Low risk of bias
Ojoo 2002		Moderate risk of bias			low risk of bias	NA/ Low risk of bias
Oliver 1997		Moderate risk of bias	low risk of bias		Moderate risk of bia	
		Moderate risk of bias	Moderate risk of			NA/ Low risk of bias
Osman 2008	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi		NA/ Low risk of bias
Pallin 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Park 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	
Pascual 2015	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Paterson 2000	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Patridge 2011	Serious risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	low risk of bias	NA/ Low risk of bias
Persson 2005	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Peters 2014a	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Pickard 2011	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Pisa 2013	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	low risk of bias
Polati 2012	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Price 2013a	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Price 2013b	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Puente-Maestu 2	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Puhan 2004	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Puhan 2007	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Punekar 2007	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Reinke 2011	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Reinke 2013	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Rhee 2017	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias		NA/ Low risk of bias
Riley 2016		Moderate risk of bias			Moderate risk of bia	· ·
	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi		NA/ Low risk of bias
Rinnenburger 201		Moderate risk of bias	low risk of bias		Moderate risk of bia	
Rocker 2008		Moderate risk of bias	low risk of bias		Moderate risk of bia	
Rocker 2008		Moderate risk of bias		Moderate risk of bi		NA/ Low risk of bias
		Moderate risk of blas	low risk of bias		Moderate risk of bias	
Rodriguez Gonzal		Moderate risk of blas				
Rutten van Molke			low risk of bias	low risk of bias		NA/ Low risk of bias
Rutten van Molke		Moderate risk of bias	low risk of bias	Moderate risk of bi		NA/ Low risk of bias
Sassi-Dambron 19		Moderate risk of bias	low risk of bias		Moderate risk of bia	
Scharf 2011	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi		NA/ Low risk of bias
Schunemann 200		low risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Schunemann 200		Serious risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	
Seymour 2010	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Sharafkhaneh 201	Serious risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Siler 2014	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Simon 2013	Serious risk of bias	Moderate risk of bias	Moderate risk of	Serious risk of bias	Moderate risk of bia	NA/ Low risk of bias
Small 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Solem 2013	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias

Sorensen 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Spencer 2013	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Stahl 2005	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Stapleton 2005	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Starkie 2011	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Stavem 1999	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Stavem 2002a	low risk of bias	low risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Stavem 2002b	low risk of bias	low risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Stein 2009	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Steuten 2006	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Stoddart 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Sundh 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Sutherland 2009	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	low risk of bias	NA/ Low risk of bias
Svedsater 2013	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Szende 2009	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Tabak 2014	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Taylor 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Torrance 1999	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Torres-Sánchez 2	Low risk of bias	Moderate risk of bias	Low risk of bias	Low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Travaline 1995	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Turner 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
Utens 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Utens 2013	Serious risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Utens 2014	Serious risk of bias	Moderate risk of bias	Moderate risk of	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
van Boven 2016	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
van den Bemt 200	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	low risk of bias	NA/ Low risk of bias
van der Palen 201	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
van der Palen 201	Serious risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
van der Palen 201	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
van der Valk 2002	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bi	Serious risk of bias	NA/ Low risk of bias
Vestbo 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Villar Balboa 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Low risk of bias	NA/ Low risk of bias
Vogelmeier 2016	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Walters 2003	low risk of bias	Moderate risk of bias	low risk of bias	Moderate risk of bia	Moderate risk of bia	NA/ Low risk of bias
Wildman 2009	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Wilke 2012	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Wilson 2005	Serious risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Serious risk of bias	NA/ Low risk of bias
Wilson 2007	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Moderate risk of bia	NA/ Low risk of bias
Wu 2015	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Yong-Mi 2011	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias
Yun Kirby 2016	Serious risk of bias	Moderate risk of bias	Moderate risk of	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Zanaboni 2017	Low risk of bias	Moderate risk of bias	Low risk of bias	Moderate risk of bi	Low risk of bias	NA/ Low risk of bias
Zanini 2014	low risk of bias	Moderate risk of bias	low risk of bias	low risk of bias	Moderate risk of bia	NA/ Low risk of bias