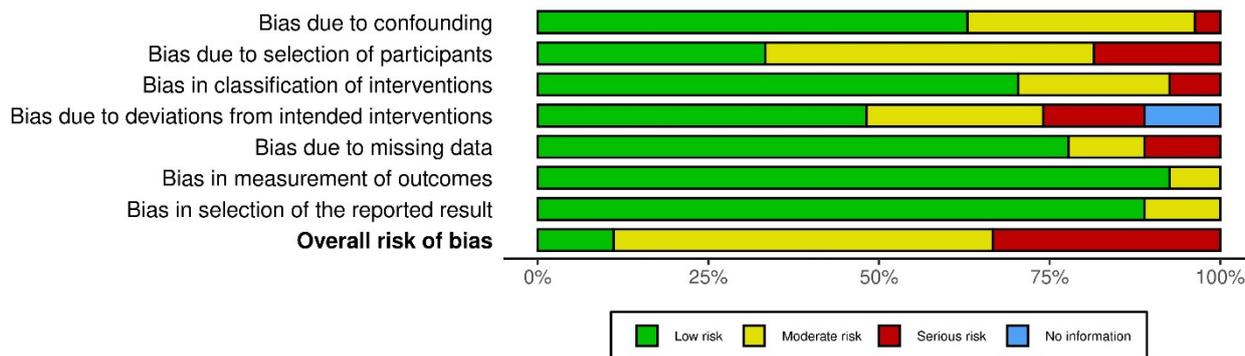


Supplement 5 (S5): Quality assessment using the Risk of Bias in Non-randomized Studies of Interventions (ROBINS-I) tool: traffic light and summary plot – HIV testing strategies in European hospitals

Study	Risk of bias domains							Overall
	D1	D2	D3	D4	D5	D6	D7	
Aparicio, 2012	+	X	+	-	+	+	+	X
Barbanotti, 2023	-	-	+	?	-	+	+	-
Bath, 2016	+	+	-	-	+	+	+	-
Bogers, 2022	+	-	+	+	+	-	+	-
Burns, 2012	-	+	+	-	+	+	+	-
Casalino, 2012	+	X	-	X	+	+	-	X
Cholewinska, 2020	X	+	X	X	X	-	+	X
d'Almeida, 2012	+	+	+	X	+	+	+	X
De Vito, 2023	+	-	X	?	X	+	+	X
Fox, 2022	+	-	+	+	+	+	+	-
Freer, 2015	-	X	+	+	X	+	-	X
Gómez- Ayerbe, 2019	-	X	+	+	-	+	+	X
Gonzalez Del Castillo, 2023	-	-	+	-	+	+	+	-
Grant, 2020	+	-	+	?	+	+	+	-
Herbert, 2012	-	-	+	+	+	+	+	-
Hill-Tout, 2016	-	-	-	X	+	+	+	X
Luiken, 2017	+	+	-	+	+	+	+	-
Marchant, 2022	+	+	+	+	+	+	+	+
O'Connell, 2016	+	-	+	+	+	+	+	-
Orkin, 2016	+	+	+	+	+	+	+	+
Palfreeman, 2013	+	X	+	-	+	+	-	X
Qureshi, 2017	-	-	+	+	+	+	+	-
Rayment, 2013	+	-	-	+	+	+	+	-
Sharvill, 2017	-	-	+	-	+	+	+	-
Sokhi, 2015	+	+	+	-	+	+	+	-
Vaz-Pinto, 2022	+	+	+	+	+	+	+	+
Youssef, 2018	+	-	-	+	-	+	+	-

Domains:
D1: Bias due to confounding.
D2: Bias due to selection of participants.
D3: Bias in classification of interventions.
D4: Bias due to deviations from intended interventions.
D5: Bias due to missing data.
D6: Bias in measurement of outcomes.
D7: Bias in selection of the reported result.

Judgement
X Serious
- Moderate
+ Low
? No information



Tool: Sterne JAC, Hernán MA, Reeves BC, Savović J, Berkman ND, Viswanathan M, Henry D, Altman DG, Ansari MT, Boutron I, Carpenter JR, Chan AW, Churchill R, Deeks JJ, Hróbjartsson A, Kirkham J, Jüni P, Loke YK, Pigott TD, Ramsay CR, Regidor D, Rothstein HR, Sandhu L, Santaguida PL, Schünemann HJ, Shea B, Shrier I, Tugwell P, Turner L, Valentine JC, Waddington H, Waters E, Wells GA, Whiting PF, Higgins JPT. ROBINS-I: a tool for assessing risk of bias in non-randomized studies of interventions. *BMJ* 2016; 355; i4919; doi: 10.1136/bmj.i4919. Available from: <https://www.riskofbias.info/welcome/home/current-version-of-robins-i/robins-i-tool-2016>

Visualisation: Robvis. McGuinness, L.A.; Higgins, J.P.T. Risk-of-bias VISualization (robvis): An R package and Shiny web app for visualizing risk-of-bias assessments. *Res Synth Methods* 2021, 12, 55-61, doi:10.1002/jrsm.1411. Available from: <https://www.riskofbias.info/welcome/robvis-visualization-tool>