

Annex 4: Mixed Methods Appraisal Tool (MMAT) for risk of bias assessment

				SCREENING QUESTIONS		1. QUALITATIVE STUDIES					2. MIXED METHODS STUDIES				
N o.	First author	Year	Citation	S1. Are there clear research questions?	S2. Do the collected data allow to address the research questions?	1.1. Is the qualitative approach appropriate to answer the research question?	1.2. Are the qualitative data collection methods adequate to address the research question?	1.3. Are the findings adequately derived from the data?	1.4. Is the interpretation of results sufficiently substantiated by data?	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	2.1. Is there an adequate rationale for using a mixed methods design to address the research question?	2.2. Are the different components of the study effectively integrated to answer the research question?	2.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?	2.4. Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?	2.5. Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?
1	Z. Tagharrabi et al	2016	Z. Tagharrabi et al 2016	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA

2	Jon L. Wardle et al	2018	Jon L. Wardle et al 2018	Yes	No	NA	NA	NA	NA	NA	No	No	No	No	No
3	River et al	2017	River et al 2018	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
4	Shannon et al	2018	Shannon et al 2018	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
5	Sharp et al	2018	Sharp et al 2018	Yes	Yes	Can't tell	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
6	Penney L et al	2016	Penney L et al 2016	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
7	Mollart L et al	2016	Mollart L et al 2016	Yes	Yes	NA	NA	NA	NA	NA	Yes	Yes	Yes	No	Yes
8	Mohammed M.J. Alqahtani	2018	Alqahtani M. et al 2018	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA

9	Dennis Anheyerr	2018	Anheyerr D et al 2018	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
10	William C. Becker	2017	Becker WC et al 2017	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
11	Juliana Christina	2019	Christina J et al 2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
12	Guthlin Corina	2016	Corina G et al 2016	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
13	Irene A. Kretchy	2016	Irene AK et al 2016	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
14	Aron Jarvis	2015	Aron J et al 2015	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA
15	Andrian Liem	2019	Andrian L et al 2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA