

**Supplementary file 2: Mixed Methods Tools**

**Quantitative studies**

<b>ID</b>	<b>Authors, publican year</b>	<b>Are there clear research questions?</b>	<b>Do the collected data allow to address the research questions?</b>	<b>Is the sampling strategy relevant to address the research question?</b>	<b>Is the sample representative of the target population?</b>	<b>Are the measurements appropriate?</b>	<b>Is the risk of non-response bias low?</b>	<b>Is the statistical analysis appropriate to answer the research question?</b>	<b>% score</b>
1	Ahmed & Naidoo (2019)	Yes	Yes	Yes	Yes	Can't tell	No	Yes	71.43
2	Akbari et al (2015)	Yes	Yes	Yes	No	Yes	No	Yes	71.43
3	Alhazzazi (2021)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
4	Alonge & Narendran (2004)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
5	Alqahtani et al (2021)	Yes	Yes	Yes	Yes	Yes	Can't tell	Yes	85.71
6	Alqutaibi et al (2021)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
7	Borhan-Mojabi (2012)	Yes	Yes	Yes	Can't tell	Can't tell	No	Yes	57.14
8	Calvert et al (2014)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
9	Canto et al (2001)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
10	Clovis et al (2002)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
11	Colella et al (2008)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
12	Cruz et al (2005)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
14	Dang et al (2022)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
15	Dewan et al (2014)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
16	Ekici (2020)	Yes	Yes	Yes	Yes	Yes	No	Yes	71.43
17	Fidele et al (2022)	Yes	Yes	Yes	Yes	Yes	Can't tell	Yes	85.71
18	Frydrych et al (2012)	Yes	Yes	Yes	Yes	Can't tell	No	Yes	71.43
19	Gajendra et al (2006)	Yes	Yes	yes	Yes	Yes	No	Yes	85.71
20	Guneri et al (2008)	Yes	Yes	Yes	Yes	Yes	No	Can't tell	71.43
21	Haresaku et al (2018)	Yes	Can't tell	yes	Can't tell	Can't tell	No	Yes	42.86
22	Hashim et al (2018)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
24	Horowitz et al (2000)	Yes	Yes	Yes	Yes	Can't tell	No	Yes	71.43
25	Husein et al (2011)	Yes	Yes	Yes	Yes	Yes	No	Can't tell	71.43
26	Joseph et al (2012)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
27	Kogi et al (2019)	Yes	Yes	No	Can't tell	Yes	No	Yes	57.14
28	Kujan et al (2006)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71

29	Leão et al (2005)	Yes	Yes	Yes	Can't tell	Can't tell	No	Yes	57.14
30	LeHew et al (2010)	Yes	Yes	No	Can't tell	Can't tell	No	Yes	42.86
31	Lopez-Jornet et al (2010)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
32	Marino et al (2017)	Yes	Yes	Yes	Yes	Can't tell	No	Yes	85.71
33	Martins et al (2021)	Yes	Yes	Yes	Can't tell	Can't tell	Can't tell	Yes	57.14
34	Maybury et al (2012)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
35	McCann et al (2000)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
36	Nazar et al (2022)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
37	Nazar et al (2019)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
38	Nicholls & Ilankovan (1998)	Can't tell	Can't tell	No	Can't tell	Can't tell	No	Can't tell	0.00
39	Patel et al (2012)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
40	Patton et al (2006)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
41	Pavão Spaulonci et al (2018)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
42	Reed et al (2000)	Yes	Yes	Yes	Yes	Can't tell	No	Yes	85.71
43	Saleh et al (2014)	Yes	Yes	Yes	No	Yes	No	Yes	71.43
44	Seals (1990)	Yes	Yes	Yes	Yes	Yes	No	Can't tell	71.43
45	Seoane et al (2006)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
46	Shadid & Habash (2022)	Yes	Yes	Yes	Yes	Yes	No	Yes	85.71
47	Strey et al (2022)	Yes	Yes	Yes	Can't tell	Can't tell	No	Yes	71.43
48	Taheri et al (2018)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
49	Tami-Maury et al (2016)	Yes	Yes	Yes	Yes	Can't tell	No	Yes	57.14
50	Vijay Kumar & Suresan (2012)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	71.43
51	Wong & Toljanic (2009)	Yes	Yes	Yes	No	Yes	No	Yes	71.43
52	Wright et al (2011)	Yes	Yes	Yes	Can't tell	Can't tell	No	Yes	71.43
53	Yellowitz et al (1998)	Yes	Yes	Yes	Yes	Yes	No	Can't tell	57.14

### Qualitative studies

ID	Authors, publican year	Are there clear research questions?	Do the collected data allow to address the research questions?	Is the qualitative approach appropriate to answer the	Are the qualitative data collection methods adequate to address the	Are the findings adequately derived from the data?	Is the interpretation of results sufficiently substantiated by data?	Is there coherence between qualitative data sources, collection,	% score
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				<b>research question?</b>	<b>research question?</b>			<b>analysis and interpretation?</b>	
13	Daley et al (2011)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100.00

#### Mixed method studies

<b>ID</b>	<b>Authors, publican year</b>	<b>Are there clear research questions?</b>	<b>Do the collected data allow to address the research questions?</b>	<b>Is there an adequate rationale for using a mixed methods design to address the research question?</b>	<b>Are the different components of the study effectively integrated to answer the research question?</b>	<b>Are the outputs of the integration of qualitative and quantitative components adequately interpreted?</b>	<b>Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?</b>	<b>Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?</b>	<b>% score</b>
23	Dixon et al (2021)	Yes	Yes	Yes	Yes	Can't tell	Can't tell	Can't tell	57.14