

Appendix D- Results from the Mixed Methods Appraisal Tool assessment

Bussone (2018)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?	X		
	1.2. Are the qualitative data collection methods adequate to address the research question?	X		
	1.3. Are the findings adequately derived from the data?	X		
	1.4. Is the interpretation of results sufficiently substantiated by data?	X		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	X		

DeSilva et al. (2013)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?	X		
	1.2. Are the qualitative data collection methods adequate to address the research question?	X		
	1.3. Are the findings adequately derived from the data?			X
	1.4. Is the interpretation of results sufficiently substantiated by data?			X
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?			X

Luque et al. (2013)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Quantitative descriptive	4.1. Is the sampling strategy relevant to address the research question?	X		
	4.2. Is the sample representative of the target population?		X	
	4.3. Are the measurements appropriate?	X		
	4.4. Is the risk of nonresponse bias low?	X		
	4.5. Is the statistical analysis appropriate to answer the research question?	X		

**Marent, Henwood & Darking
(2018)**

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?	X		
	1.2. Are the qualitative data collection methods adequate to address the research question?	X		
	1.3. Are the findings adequately derived from the data?	X		
	1.4. Is the interpretation of results sufficiently substantiated by data?	X		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	X		

Nokes et al. (2013)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Quantitative descriptive	4.1. Is the sampling strategy relevant to address the research question?	X		
	4.2. Is the sample representative of the target population?	X		
	4.3. Are the measurements appropriate?	X		
	4.4. Is the risk of nonresponse bias low?	X		
	4.5. Is the statistical analysis appropriate to answer the research question?	X		

Odlum et al. (2014)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?	X		
	1.2. Are the qualitative data collection methods adequate to address the research question?	X		
	1.3. Are the findings adequately derived from the data?	X		
	1.4. Is the interpretation of results sufficiently substantiated by data?	X		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	X		
Quantitative descriptive	4.1. Is the sampling strategy relevant to address the research question?			X

	4.2. Is the sample representative of the target population?		X	
	4.3. Are the measurements appropriate?			X
	4.4. Is the risk of nonresponse bias low?			X
	4.5. Is the statistical analysis appropriate to answer the research question?			X
Mixed methods	5.1. Is there an adequate rationale for using a mixed methods design to address the research question?		X	
	5.2. Are the different components of the study effectively integrated to answer the research question?		X	
	5.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?		X	
	5.4. Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?		X	
	5.5. Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?			X

Ramanathan et al. (2013)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?	X		
	1.2. Are the qualitative data collection methods adequate to address the research question?	X		
	1.3. Are the findings adequately derived from the data?	X		
	1.4. Is the interpretation of results sufficiently substantiated by data?	X		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	X		

Swendeman et al. (2016)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?	X		
	1.2. Are the qualitative data collection methods adequate to address the research question?	X		
	1.3. Are the findings adequately derived from the data?	X		
	1.4. Is the interpretation of results sufficiently substantiated by data?	X		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	X		

Schnall et al. (2011)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?	X		
	1.2. Are the qualitative data collection methods adequate to address the research question?	X		
	1.3. Are the findings adequately derived from the data?	X		
	1.4. Is the interpretation of results sufficiently substantiated by data?	X		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	X		

Schnall et al. (2016)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?		X	
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?			X
	1.2. Are the qualitative data collection methods adequate to address the research question?			X
	1.3. Are the findings adequately derived from the data?			X
	1.4. Is the interpretation of results sufficiently substantiated by data?			X
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?			X
Quantitative descriptive	4.1. Is the sampling strategy relevant to address the research question?		X	

	4.2. Is the sample representative of the target population?		X	
	4.3. Are the measurements appropriate?			X
	4.4. Is the risk of nonresponse bias low?			X
	4.5. Is the statistical analysis appropriate to answer the research question?			N/A
Mixed methods	5.1. Is there an adequate rationale for using a mixed methods design to address the research question?		X	
	5.2. Are the different components of the study effectively integrated to answer the research question?		X	
	5.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?		X	
	5.4. Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?		X	
	5.5. Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?		X	

Stonbraker et al. (2018)

Study design	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Screening questions (all studies)	S1. Are there clear research questions?	X		
	S2. Do the collected data allow to address the research questions?	X		
Qualitative	1.1. Is the qualitative approach appropriate to answer the research question?			X
	1.2. Are the qualitative data collection methods adequate to address the research question?			X
	1.3. Are the findings adequately derived from the data?	X		
	1.4. Is the interpretation of results sufficiently substantiated by data?	X		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	X		
Quantitative descriptive	4.1. Is the sampling strategy relevant to address the research question?			X

	4.2. Is the sample representative of the target population?		X	
	4.3. Are the measurements appropriate?			X
	4.4. Is the risk of nonresponse bias low?			X
	4.5. Is the statistical analysis appropriate to answer the research question?			X
Mixed methods	5.1. Is there an adequate rationale for using a mixed methods design to address the research question?		X	
	5.2. Are the different components of the study effectively integrated to answer the research question?		X	
	5.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?		X	
	5.4. Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?		X	
	5.5. Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?		X	