	thodological Quality assessment Criteria			
Reviewer 1				
Reviewer 2				
Author (s)				
Methods				
Study design				
Data				
Sampling				
Analysis		_	-	_
Types of Study	Methodological Quality assessment Criteria	Yes	No	Cant tell
Screening	Are there clear research questions or objectives?			
Questions (for	Do the collected data address the research question?			
all types)	Further appraisal is not feasible when the answer is 'No' or 'Can't			
	tell' to one or both screening questions			
	1.1 Is there congruity between the stated philosophical perspective			
	and the research methodology?			
	1.2 Are the sources of qualitative data (archives, documents,			
	informants, observations) relevant to address the research			
	question?			
	1.3 Is the process for analysing qualitative data relevant to address			
	the research question?	1		
Qualitative	1.4 Are participants, and their voices, adequately represented?			
	(adequate quotes and text been used to represent the concept			
	discussed)			
	1.5 Is there a statement locating the researcher culturally or			
	theoretically? (Are the beliefs and values, and their potential			
	influence on the study declared?)			
	1.6. Is the influence of the researcher on the research, and vice-			
	versa, addressed? (Addressing the potential for the researcher to			
	either influence or to be influenced by the study)			
	1.7. Do the conclusions drawn in the research report flow from the			
	analysis, or interpretation, of the data?			
	1.8. Is the ethical issues adequately addressed?			
	(statement indicating appropriate ethics approval)			
Quantitative	2.1. Is there a clear description of the randomization (or an			
randomized	appropriate sequence generation)?			
controlled	2.2. Is there a clear description of the allocation concealment or			
(trials)	blinding when applicable)?			
	2.3. Are there complete outcome data (80% or above)?			
	2.4. Is there low withdrawal/drop-out (below 20%)?			
Quantitative	3.1. Are participants recruited in a way that minimizes selection			
non-	bias?			
randomized	3.2 Were the criteria for inclusion in the sample clearly defined?			
	3.3 Were the study subjects and the setting described in detail?			
	3.4 Were objective, standard criteria used for measurement of the			
(Cohort study,	condition?			
case-control	3.5 Were the outcomes measured in a valid and reliable way?			
study,	3.6 Was appropriate statistical analysis used?			
analytical cross-	3.7 Is the ethical issues adequately addressed?			
sectional)	(statement indicating appropriate ethics approval)			
	3.8 Do the conclusions drawn in the research report flow from the			
	analysis, or interpretation, of the data?			
	3.9 Are measurements appropriate (clear origin, or validity known,			
	or standard instrument; and absence of contamination between			
	or standard instrument, and assence of containination between		1	I

Appendix 1: Methodological Quality assessment Criteria

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	groups when appropriate) regarding the exposure/intervention and				
	outcomes?				
	3.11 In the groups being compared (exposed vs. non-exposed; with				
	intervention vs. without; cases vs. controls), are the participants				
	comparable, or do researchers take into account (control for) the				
	difference between these groups?				
	3.12 Are there complete outcome data (80% or above), and, when				
	applicable, an acceptable response rate (60% or above), or an				
	acceptable follow-up rate for cohort studies (depending on the				
	duration of follow-up)?				
	4.1. Is the sampling strategy relevant to address the quantitative				
	research question (quantitative aspect of the mixed methods				
Quantitative	question)?				
descriptive	4.2. Is the sample representative of the population understudy?				
	4.3. Are measurements appropriate (clear origin, or validity known,				
	or standard instrument)?				
	4.4. Is there an acceptable response rate (60% or above)?				
	5.1. Is the mixed methods research design relevant to address the				
	qualitative and quantitative research questions, or the qualitative				
	and quantitative aspects of the mixed methods question?				
	5.2. Is the integration of qualitative and quantitative data (or results				
Mixed methods	relevant to address the research question?				
	5.3. Is appropriate consideration given to the limitations associated				
	with this integration, e.g., the divergence of qualitative and				
	quantitative data in a triangulation design?				
	Apply the criteria use for qualitative data for the qualitative componer	nt and a	juantit	ative	
	component respectively.				
Overall Quality	Comments on score:	🗆 Low (25%)			
Score			☐ Medium (50%)		
				5 - 100%	
Reviewer 2	Comments:	<u> </u>			
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NB: Scoring metrics

The score can be computed by counting the total number of "yes" and expressing them as a percentage ie below 25% represent Low Quality, 50% represent Medium Quality, and 75% and above represent high Quality.