

Online resource C. SCObE checklist form

Item	Domains and criteria	Explanation	Location where item is reported	Details on methodological approach*
Domain 1: Research context				
1	Concept(s) under study	Describe the research concept(s) on which the systematic observational coding focuses, including any potential sub-concepts, preferably including empirical and theoretical foundation.		
2	Rationale for use of systematic observational coding	Explain why systematic observational coding was chosen as the most appropriate method for the study and how it links to the theoretical framework.		
3	Context of research	Provide a description of the context of the observational research and report where and when source data were obtained.		
4	Research population	Specify who were present in the observation and whose behaviours were being coded. Report relevant characteristics of the sample.		
5	Acquisition of source data	Describe observational data sources, how these were obtained (e.g., video, audio, in situ, or transcription; level of experimental manipulation; level of researcher participation), and whether the data were collected for the current		

		research aim (primary or secondary data).		
6	Sampling within available source data	Describe the sampling approach, for example, the designated periods or events within the source data in which the concepts were coded.		
Domain 2: Properties of coding scheme				
Domain 2a: General description of coding scheme				
7	Name and availability of the coding scheme	Provide the name of the coding scheme. Ideally, provide the full coding scheme and codebook in the manuscript or supplementary materials. If that is not possible, provide information on how readers can access those materials.		
8	Rationale for use of this specific coding scheme	Provide an explanation for the selection and use of this specific coding scheme (versus other available schemes).		
9	Validity and reliability of the coding scheme as established in previous research	Provide the validity and reliability of the original coding scheme as it has been established in previous research.		
10	Specification of codes			
10a	Description of codes	Provide a description and explanation of all the codes that were used in the study.		
10b	Connections between codes	Describe the interrelatedness of the different codes, including potential hierarchy between the		

		codes, whether codes were mutually exclusive and exhaustive, and any prioritisation in coding procedures.		
10c	Granularity of codes	Specify the coding unit, i.e., the level of specificity at which codes were assigned (e.g., micro or macro level).		
Domain 2b: General description of newly developed or modified coding scheme				
11	Justification for coding scheme modification or development	Describe why a coding scheme was modified or developed. That is, describe why existing coding schemes could not be used and elaborate on the theoretical and empirical framework of the new or modified coding scheme.		
12	Modification or development process	Specify how the coding scheme was developed or modified.		
13	Validity assessment for the newly developed or modified coding scheme	Describe how validity of the newly developed or modified coding scheme was established, and which types of validity were assessed.		
14	Reliability assessment of the newly developed or modified coding scheme	Describe how reliability of the newly developed or modified coding scheme was established, and which types of reliability were assessed.		
Domain 3: Application of coding scheme				

15	Coder selection and training	Describe the process of training individuals to apply the coding scheme to the data correctly and reliably in relation to the study purpose. Additionally, describe any relevant information related to the selection, eligibility, and/or suitability of coders.		
16	Coding procedures	Provide a comprehensive description of how and by whom the codes were practically applied to the raw observational data, including the calibration process.		
17	Reliability preservation throughout coding scheme application	Describe the steps taken to maintain reliability during the coding process, i.e., procedures to minimise coder drift and reliability outcomes achieved when applying the coding scheme to source data.		
18	Ethical considerations	Describe ethical considerations and aspects of the approval process relevant or pertinent to the observations undertaken.		
19	Facilitating software	Describe which software was used to view, code, and analyse the data.		
20	Data preparation and analysis	Describe how coded data were prepared pre-analysis and which descriptive and statistical tests were applied.		

[§]Reporting order may vary depending on disciplinary standards and/or journal requirements.

*Authors may report additional methodological details in this column beyond the information included in their main manuscript.