

Appendix I: Search strategy

MEDLINE (PubMed). Search conducted on June 12th, 2023

Search	Query	Records retrieved
#1	"Constipation"[Mesh] OR (constipat*[TI]) OR (dyschezia[TI]) OR (colonic inertia[TI])	17,419
#2	"Patient Reported Outcome Measures"[MeSH Terms] OR "Weights and Measures"[MeSH Terms] OR "measure*" [Title] OR "Risk Assessment"[MeSH Terms] OR "Risk Management"[MeSH Terms] OR "risk assessment*" [Title] OR "Risk Management" [Title] OR "Equipment and Supplies"[Mesh] OR "Surveys and Questionnaires"[Mesh] OR "Survey*" [Title] OR "Questionnaire" [Title] OR "Quality Indicators, Health Care"[Mesh] OR "Psychometrics"[Mesh] OR "psychometric" [Title] OR "instrument" [Title] OR "index" [Title] OR "inventory" [Title] OR "tool" [Title] OR "scale" [Title]	3,917,864
#3	#1 AND #2	2,544

Appendix II: Data extraction instrument

Details and characteristics of the paper	
Reviewer, date of review	
Citation details (e.g., author/s, date, title, journal, volume, issue, pages)	
Country/s of origin	
Type (e.g., scientific or academic journals, books)	
Aim/purpose of the paper	
Study design	
Characteristics of the tool extracted from the paper	
• Name of the tool	
• Aim	
• Scope (e.g., evaluating severity of constipation)	
• Definition of constipation (e.g., according to the ROME definition. Specify which criteria were excluded from the definition if not all were included.)	
• Content	
○ Patient symptoms measured, y/n	
○ List most frequent patient symptoms	
○ Stool consistency measured, y/n	
• Structure	
○ Number of scales, n	
○ Number of subscales, n	
○ Number of items	
Mode of completion (e.g., patient-reported, clinician-reported, or family/carer-reported)	
Administration time	
Context (clinical/educational/ research)	
Setting (e.g., type of clinical setting)	
Participants	
○ number	
○ diagnosis	
○ age	
○ sex	
○ other	

Appendix III: Presentation table

	[Name of tool1]	[Name of tool2]	[Name of tool3]
Papers investigating the tool			
Characteristics of the tools			
Aim of the tool			
Scope of tool (e.g., evaluating severity of constipation)			
Definition of constipation			
Contents of tool			
Patient symptoms measured, y/n			
List most frequent patient symptoms			
Stool consistency measured, y/n			
Structure of tool			
Number of scales, n			
Number of subscales, n			
Number of items			
Mode of completion			
Healthcare professional/self-reported/family-carer			
Administration time, minutes			
Study setting(s) for use of tool (country)			
Study population(s) (diagnosis, age, sex)			
Implemented in clinical practice, y/n			
If yes, where			
Educational purposes, y/n			
If yes, where			
Research purposes, y/n			
If yes, number			