

# INPLASY

## Validated Questionnaires for the Measurement of Clinician-Reported Experience Measures: A Systematic Review

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### ADMINISTRATIVE INFORMATION

**Support** - Axe Valorisation des données de l'Unité de soutien SSA Québec.

**Review Stage at time of this submission** - Formal screening of search results against eligibility criteria.

**Conflicts of interest** - None declared.

**INPLASY registration number:** INPLASY202410047

**Amendments** - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 11 January 2024 and was last updated on 11 January 2024.

## INTRODUCTION

**Review question / Objective** What are the validated, self-reported measurement instruments that can be used to measure the experience or well-being (CREMs) of clinical staff working in health and social service primary care settings?

**Condition being studied** We will list the Clinician Reported Experience Measures (CREMs) in primary health care settings developed in the last 10 years in Organisation for Economic Cooperation and Development (OECD) countries with similar health care systems.

We will:

- Develop an inventory of existing CREM-type tools in various fields of knowledge
- Compare the characteristics, strengths and weaknesses of those instruments

- Issue recommendations to maximize comparability of measures/studies
- Target needs in terms of cross-cultural validation studies for users operating in Quebec, or validation studies in new populations (e.g. instrument to be validated in a clinician population).

## METHODS

### Search strategy

MEDLINE 2023/12/15  
 Embase 2023/12/15  
 PsycINFO Ovid 1227 2023/12/15  
 CINAHL EBSCOhost 5167 2023/12/15  
 HaPi Ovid 27 2023/12/15  
 Mental Measurements Yearbook Ovid 90 2023/12/15  
 PsycTests APA PsycNet  
 10 past years (2013 to current).

**Participant or population** Primary care clinicians : Including family physicians, general practitioners, midwives, nurses, nursing assistants, pharmacists, and social workers.

**Intervention** Not applicable.

**Comparator** Not applicable.

**Study designs to be included** Original validation studies of self-administered measurement instruments designed to assess the experience or well-being of workers.

**Eligibility criteria** 1) Original studies of self-administered measurement instruments designed to assess the experience or well-being of workers, 2) Validation studies reporting at least one psychometric property of the instrument, 3) Publications in English or French.

**Information sources** Electronic databases CINAHL, Embase, HaPI, MEDLINE, PsychInfo, Mental Measurements Yearbook.

**Main outcome(s)** Self-administered measurement instruments designed to assess the experience or well-being of workers will be reviewed. (Experience: Definition Ibqal et al.\_2020; Well-being: Constructs from the National Academy of Sciences, 2018). Studies will have to report psychometric properties of these instruments, which is the outcome of our systematic review of validated measurement scales.

**Quality assessment / Risk of bias analysis** Considering that one of our main objectives is to compare the characteristics, strengths and weaknesses of measurement tools (questionnaires), the COSMIN Risk of Bias checklist (Mokkink et al., 2018) will be used. This checklist focuses on content validity, internal structure, and remaining measurement properties.

**Strategy of data synthesis** Using the Rayyan® web-based software, the screening and selection process of all citations will be achieved by two independent trained reviewers who will meet and resolve disagreements with a third party if needed. The following steps will be achieved:  
-Titles and abstracts of all citations retrieved from the electronic databases will be screened with the aim of identifying articles potentially fitting the pre-specified eligibility criteria (pre-screening).  
-Disagreements will be resolve with a third party if needed.

-The full-text articles related to all studies identified in the pre-screening phase will be obtained and assessed for inclusion.

-Disagreements will be resolve with a third party if needed.

-The citations and reference list of studies included in the present review will also be scanned for potential non-retrieved investigations (snowball citation searching).

-At the end of the process, the final list of articles included in the review will be validated by an experienced researcher

-The screening and selection process will be indexed in a PRISMA flow diagram.

- The COSMIN data extraction grid template will be used. Using such a grid, data collection will be achieved by two independent reviewers (who will meet and resolve disagreements with a third party if needed). A document containing detailed definitions of each information/variable to be extracted will be used by the reviewers to better standardize the data collection. The authors of original studies included in the review will be contacted if needed (e.g., questions, confirmation of data). Data about included studies and their quality will be described and combined in tables and figures.

**Subgroup analysis** We will group the instruments according to the construct they measure and the language in which they were developed (English or French). We will group the instruments according to the type of clinicians (ex. nurse, physician, pharmacist, etc.).

**Sensitivity analysis** Not applicable.

**Country(ies) involved** Canada.

**Keywords** Clinician-reported experience measures; systematic review; validated questionnaire; health; social services; well-being; clinicians; experience; primary care.

**Contributions of each author**

Author 1 - Claudie Audet - Author 1 is involved as a reviewer, set up the screening platform, will participate in data analyses, and will draft the initial version of the article.

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