



Input from clinicians matters. . .

To successfully implement PROMs it is crucial to engage the end users, that is clinicians, to their needs regarding knowledge, professional practice, and clinical decision-making

Attend to practice discourses for effective uptake

International Society for Quality of Life Annual Conference, 2020

Presentation Number: **3085** Poster Session: Clinical Care Research II

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## Preliminary Systematic Results

Interested in the final guidelines and published resources?

Interested in using NVivo for systematic reviews?

Provide your *name* and *contact information* to. . .

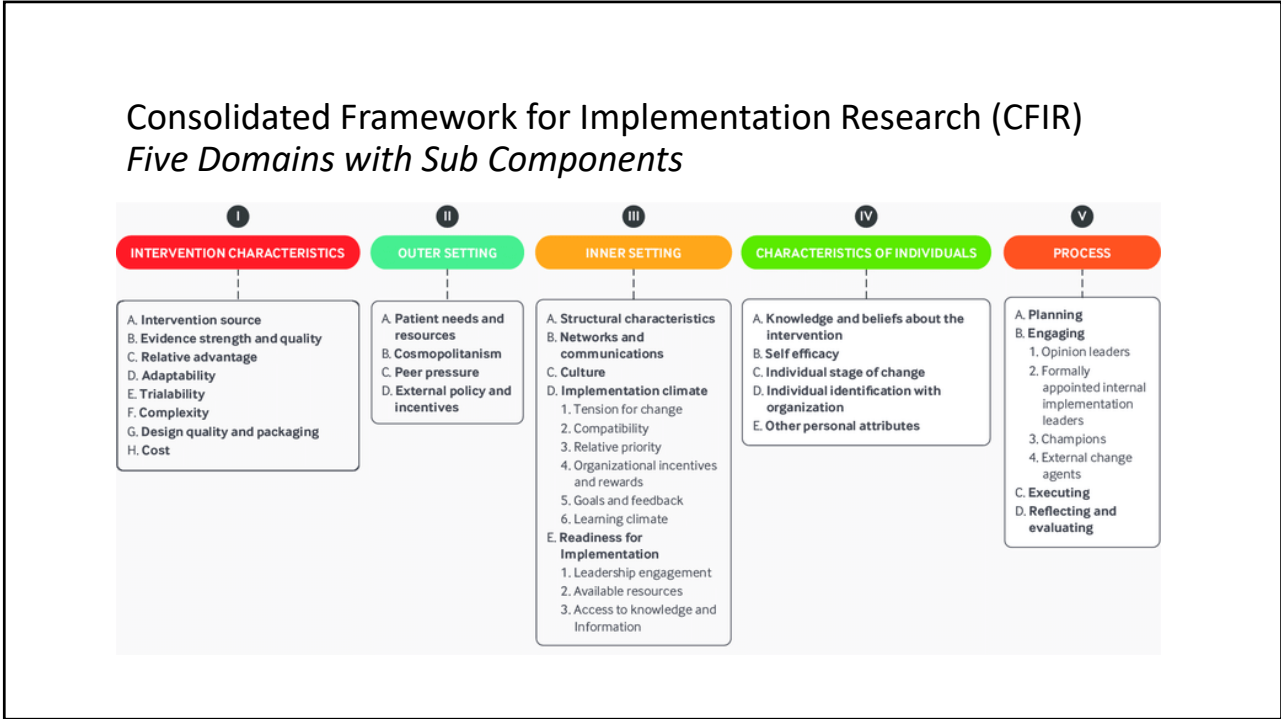



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## Characteristics of Clinicians

- Acknowledge importance of PROMs
- Show concern for patients & regard for patient-centred care
- Important to gain knowledge on benefits to practice and patients
- View PROMs as complementary tools for clinical judgement
- Want evidence for impact on patient outcomes & improvement to clinical care

## Implementation Process



Created by Anna Sophie  
from Noun Project

- Clinician involvement = planning & troubleshooting
- Investment in systems, resources, & training (initial and ongoing)
- Administrative & infrastructure support
- Reflection & evaluation - providing feedback to clinicians

## Intervention Characteristics



- Evidence Quality and Strength
  - Evidence for impact on patient outcomes to support PROM use
  - Selecting reliable, valid, and credible PROMs
  - Improvement to clinical care
- Adaptability to local needs/circumstances
  - Frequency of collection - having flexibility on if, when and how to administer a PROM to a patient
  - Actionable data / effective use of the information (data)
  - Workflow
  - Integration with clinical practice guidelines

## Intervention Characteristics



- Complexity
  - Frequency of collection
  - Data extraction
  - Interpretation of data / visualization / Centralized scoring
  - Burden to clinician and patient
  - Clear data collection process
  - Modes of collection
  - Completion rates
- Design quality and packaging
  - Data visualization / presentation / visual representation of PROM data
  - Clear guidelines of interpretation of PROM data
  - Determination of “abnormal”
  - Ease of access to results



## Effective Strategies

- Providing timely and regular feedback to clinicians and team
- Promoting adaptability to local context: organization, patients, clinicians
- Involving clinicians in planning and designing stage
- Recruiting and training designated “strong” leaders
- Conducting initial and ongoing training to clinicians (beginner, advanced, refresher, train-the-trainer models)
- Engaging patients before and during implementation
- Assess organization for readiness and identify facilitators
- Provide timely feedback to clinicians to influence beliefs and attitudes
- Recruiting and training designated “strong” leaders to facilitate implementation

Based on Expert Recommendations for Implementing Change (ERIC)  
 – Perry, Damschroder, Hemler, Woodson, Ono, Cohen (2019)

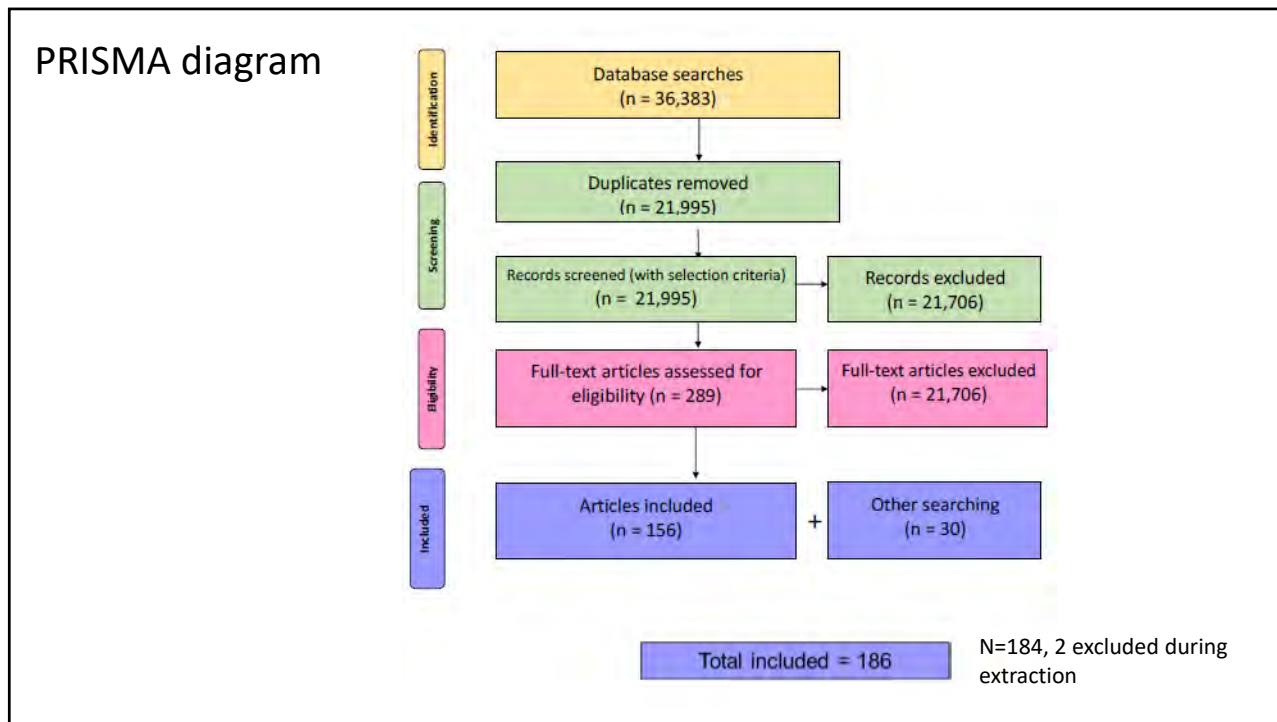


Table 4. Summary of the Critical Appraisal Checklists by Research Design and Level of Evidence

Type of Evidence	Critical Appraisal	Level of Evidence
Systematic review	JBI Systematic Review Appraisal Tool	1
Qualitative	JBI Qualitative Appraisal Tool	3
Analytical Cross-sectional	JBI Analytical Cross Sectional Appraisal Tool with others	3
Survey	JBI Prevalence Appraisal Tool in combination with others	3
Mixed method	Mixed Method Appraisal Tool	3
Organizational implementation	JBI Case Report with others	4
Expert opinion	JBI Text and Opinion Appraisal Tool	5
Literature Review	JH Non-research Evidence (Literature Review) Appraisal Tool	5

References: JBI critical appraisal instruments: systematic review, qualitative, cross-sectional, prevalence, case report, and text and opinion; Johns Hopkins' form for non-research evidence

## Study Characteristic Results (n=184)

Methodology (design)	N
Systematic Review	9
Mixed Method	19
Quantitative (survey, analytical cross-sectional)	18
Qualitative (single study)	34
Organizational Implementation Projects	73
Literature Reviews and Expert Opinion	31

N=38 used implementation theory

- iPARIHS (Integrated Promoting Action on Research Implementation in Health Service)
- Ottawa Model of Research Use
- Consolidated Framework for Implementation Research
- Plan Do Study Act

Evidence Level	N
1	9
2	0
3	72
4	71
5	32

Country	N
USA	56
Canada	30
Europe	29
UK	23
Other	46



## Healthcare Providers' Implementation of Patient-Report Outcome and Experience Measures in Clinical Practice: A Mixed Method Systematic Review Using an Implementation Science Framework

International Society for Quality of Life Annual Conference, 2020

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