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# Meetinstrumenten voor implementatie onderzoek

WEEK VAN DE IMPLEMENTATIE, 22 JANUARI 2025



## WIE ZIJN WIJ....

- Patricia te Pas, Julius Centrum UMC Utrecht
- Kristel Jenniskens, GGZ Oost Brabant en 113 Zelfmoordpreventie
- Sanne Gerards, Maastricht University
- Femke van Nassau, Amsterdam UMC



# NIC COMMISSIE IMPLEMENTATIE ONDERZOEK

## Kennisagenda implementatie



Uitgevoerd door:

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In samenwerking met de andere leden van de NIC-werkgroep Implementatieonderzoek:

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Rianne van der Kleij – van der Sluis (Leids UMC)

Christiaan Vis (VU Amsterdam)

Gera Welker (UMC Groningen)

Michel Wensing (Heidelberg Universiteit, Duitsland; Radboudumc)

*Amsterdam, mei 2022*

Deze kennisagenda is onderdeel van een verkenning naar de inhoud, positionering en uitvoering van een implementatiekennisprogramma binnen ZonMw in opdracht van ZonMw.

## Thema 6 Meetinstrumenten

### Beschrijving praktijk

Beschikbaarheid van en kennis over valide en betrouwbare meetinstrumenten voor strategieën, implementatieprocessen en -uitkomsten en Nederlandstalige versies van bestaande meetinstrumenten.

### Topic

6.1 Meetinstrumenten

# MEET INSTRUMENTEN INTERNATIONAAL

Systematic review | [Open access](#) | Published: 18 August 2020

## Implementation outcome instruments for use in physical healthcare settings: a systematic review


[Zarnie Khadjesari](#) , [Sabah Boufkhed](#), [Silia Vitoratou](#), [Laura Schatte](#), [Alexandra Ziemann](#), [Christina Daskalopoulou](#), [Eleonora Uglijk-Marucha](#), [Nick Sevdalis](#) & [Louise Hull](#)

*Implementation Science* **15**, Article number:

**11k** Accesses | **32** Citations | **27** Altmetric

Systematic review | [Open access](#) | Published: 04 November 2015

## Outcomes for implementation science: an enhanced systematic review of instruments using evidence-based rating criteria

[Cara C. Lewis](#) , [Sarah Fischer](#), [Bryan J. Weiner](#), [Cameo Stanick](#), [Mimi Kim](#) & [Ruben G. Martinez](#)

*Implementation Science* **10**, Article number: 155 (2015) | [Cite this article](#)

**43k** Accesses | **194** Citations | **30** Altmetric | [Metrics](#)

Systematic review | [Open access](#) | Published: 13 December 2022

## Evaluation of measures of sustainability and sustainability determinants for use in community, public health, and clinical settings: a systematic review

[Alix Hall](#) , [Adam Shoesmith](#), [Emma Doherty](#), [Brydie McEvoy](#), [Kayne Mettert](#), [Cara C. Lewis](#), [Luke Wolfenden](#), [Serene Yoong](#), [Melanie Kingsland](#), [Rachel C. Shelton](#), [Shannon Wiltsey Stirman](#), [Noor Imad](#), [Rachel Sutherland](#) & [Nicole Nathan](#)

*Implementation Science* **17**, Article number: 81 (2022) | [Cite this article](#)

**9788** Accesses | **17** Citations | **23** Altmetric | [Metrics](#)



Improving the implementation of evidenced-based healthcare interventions and services through implementation outcome measurement



Guide to using the implementation outcome repository

# DISSEMINATION -IMPLEMENTATION.ORG

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## D&I Models Webtool

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## Explore Constructs

Type in name...

### Select By Assessment Instruments:

- Acceptability of Intervention Measure (AIM)
- AHRQ Digital Health Equity Framework
- Clinical Sustainability Assessment Tool (CSAT)
- Consolidated Framework for Implementation Research (CFIR) Interview Guide (Lam)

## Explore by D&I Constructs

Select the D&I Construct you are interested in assessing and click on the name of the constructs. This will take you to the construct page with information about the construct, associated D&I TMFs, and the D&I assessment instruments that assess the construct.

Construct	Number of TMFs	Number of Assessment Instruments
Acceptability/feasibility	14	16
Adaptation and evolution	28	11
Adopter/implementer/decision maker characteristics	38	10
Adoption	30	12
Awareness	10	3
Barriers and facilitators	28	14
Champion/field agent	16	10
Communication	13	8
Communication channels	23	6
Compatibility	8	8
Complexity	8	7
Context	18	10

## WAT SCHRIJFT MEN HIEROVER...

“Most instruments to date are **context- and intervention-specific**...Further, in light of the state of the evidence, we propose that implementation **scientists undertake psychometric validation studies** of instruments that capture both similar and also different implementation outcomes.”

Khadjesari, Z., Boufkhed, S., Vitoratou, S. *et al.* Implementation outcome instruments for use in physical healthcare settings: a systematic review.

“There is a clear need for coordination of instrumentation development focused on implementation outcomes...the majority of implementation outcomes are **underdeveloped**, yielding few instruments or those without evidence of psychometric strength...Careful attention must be paid to systematic development and testing procedures in addition to the necessary development of articulating instrument reporting standards.”

Lewis, C.C., Fischer, S., Weiner, B.J. *et al.* Outcomes for implementation science: an enhanced systematic review of instruments using evidence-based rating criteria

# Reflections on the measurement of implementation constructs

[Michel Wensing](#)

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## Abstract

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To advance research and practice, it is crucial to build on validated measures. A wide range of measures for implementation research were identified in seven systematic reviews conducted under the auspices of the project, “Advancing Implementation Science through Measure Development and Evaluation,” but many had unclear or limited measurement qualities. In this commentary, I suggest the psychometric paradigm of measurement validation may have to be reconsidered because many determinants and outcomes of interest are defined at higher levels of aggregation than the individual. Nonetheless, the practice of using non-validated measures should be reduced, and measurement validation research should be encouraged. Adaptation of existing measures to different domains, settings, and languages further adds to the need for validation research. Coordination of the development and validation of measures is required to avoid unneeded replication in some domains and lack of measures in others, and to take care that validation research remains instrumental to the purposes of implementation research and practice.



# ER ZIJN VEEL MEETINSTRUMENTEN TE VINDEN



Maar als  
je verder  
kijkt



Specifieke context



Niet openbaar



Lang



Niet Nederlandstalig



## DAAROM DEZE WERKGROEP

- Inventariseren huidige vragenlijsten die er zijn
- Repository opstellen
- Nieuwe meetinstrumenten ontwikkelen

# EERSTE RESULTATEN

## Respons:

- 14 respondenten
- 20 unieke meetinstrumenten

## Constructen/uitkomsten:

- Acceptability
- Determinanten
- Fidelity
- Normalisatie
- Sustainability
- ...

# EERSTE RESULTATEN – OVERZICHT MEETINSTRUMENTEN

Zelf ontwikkelde  
vragenlijsten

RE-AIM outcomes  
assessment  
questionnaire

ASE

Organizational  
Readiness for  
Implementing  
Change

NASSS-CAT Tool

Topic-lijsten voor  
interviews (CFIR,  
RE-AIM)

Health Promoting  
Schools  
Implementation  
Questionnaire

Vragenlijst  
Knelpunten Grol  
& Wensing

AIM, IAM, FIM

NoMAD

PRESS

MISII

PSAT

PHS vragenlijst

MIDI

# EERSTE RESULTATEN – VALIDITEIT EN BETROUWBAARHEID

NoMAD

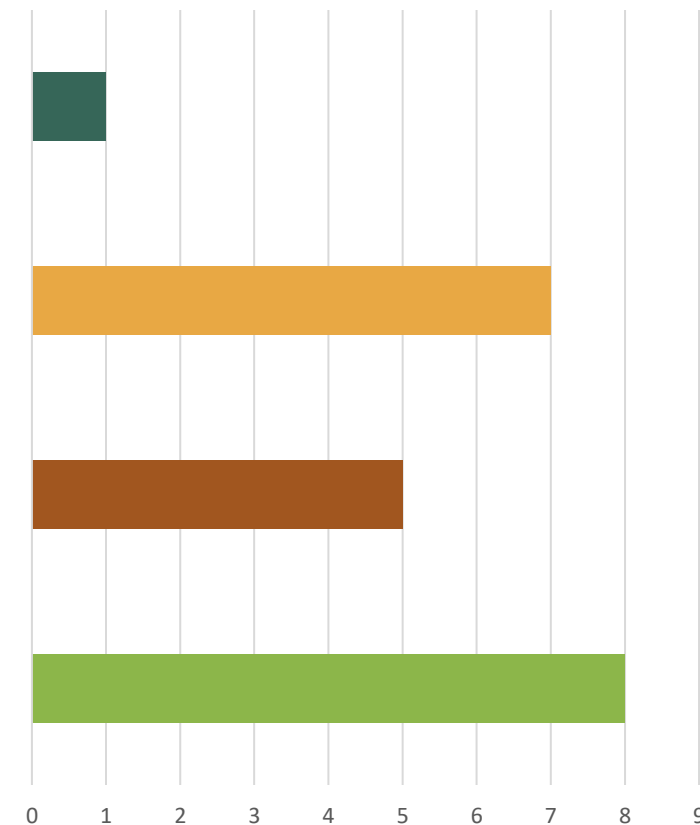
Bijvoorbeeld:  
AIM/IAM/FIM (Weiner et al.)  
PRESS  
MISII

Validiteit en/of betrouwbaarheid  
vastgesteld in het Nederlands

Validiteit en/of betrouwbaarheid  
alleen vastgesteld in andere taal

Validiteit en/of betrouwbaarheid  
niet vastgesteld

Onderzoek naar validiteit en/of  
betrouwbaarheid onbekend



## BREAK OUT ROOMS (20 MINUTEN)

Hoe kunnen we nog meer inzicht krijgen in bestaande vragenlijsten?

Repository: wat zijn je wensen hiervoor om in te kunnen zoeken?



# TERUGKOPPELING

## VERVOLGSTAPPEN VOOR DE WERKGROEP

- Werkgroep gaat nu aan de slag met:
  - Nog meer bestaande vragenlijsten verzamelen
  - Repository maken die op de NIC website komt
  - Inventarisatie welke instrumenten nog ontbreken
  - Evt. nieuwe instrumenten ontwikkelen en valideren