Herman Vandevijvere Marleen Corremans Nancy Durieux

The complexity in guideline implementation

JBI Belgium, a JBI affiliated group Ebpracticenet























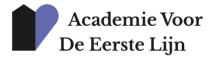




Unless a **guideline** process encompasses the relevant aspects of **complexity**, we risk not doing justice to the **assessment** of the interventions, and our recommendations may not provide countries with the guidance they need to **implement** these recommendations.



WHO 2023





Trends in guideline implementation: an updated scoping review

Peters, S., Sukumar, K., Blanchard, S., Ramasamy, A., Malinowski, J., Ginex, P., Senerth, E., Corremans, M., Munn, Z., Kredo, T., Remon, L. P., Ngeh, E., Kalman, L., Alhabib, S., Amer, Y. S., & Gagliardi, A. (2022). Trends in guideline implementation: an updated scoping review. Implementation science: IS, 17(1), 50. https://doi.org/10.1186/s13012-022-01223-6







Medical Research Council framework for development and evaluation of complex interventions: A comprehensive guidance

What are Complex Interventions?



Shahsavari, H., Matourypour, P., Ghiyasvandian, S., & Nejad, M. R. G. (2020). Medical Research Council framework for development and evaluation of complex interventions: A comprehensive guidance. Journal of education and health promotion, 9, 88. https://doi.org/10.4103/jehp.jehp_649_19' Academie Voor



De Eerste Lijn



- Phase 1: What makes a guideline complex? What drives the complexity in its implementation? (2023)
 - Consensus meeting on determinants
 - Delphi procedure with stakeholders
 - Development of definition
- Phase 2: Comparison with existing implementation frameworks (2024)
 - Listing and categorizing of frameworks
 - Development of recommendations on how to deal with this complexity











• Consensus on: # of settings

behaviours targeted

Fit with reality

Differences in education

Level of collaboration required

Scope of change

Level of evidence

Workload





• No Consensus on:

- Number of outcomes targeted in the guideline
- <u>Level of flexibility</u> in the use of the guideline
- Applicability of the guideline in current practice
- Urgency of change
- Willingness to change (readiness)
- Hardware needed
- → Not in definition, will be revisited in Phase 2 (Comparative exercise)



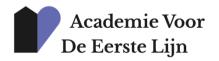


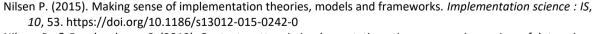
What is next?

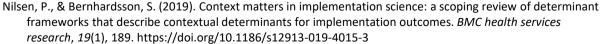
• Listing of existing implementation theories, models and frameworks (such as defined by Nilsen, 2015) in health sciences

Search strategies

- Starting point: papers from Nilsen (2015) and Nilsen & Bernhardsson (2019)
- Websites dealing with implementation theories, models and frameworks
- Search strategies in Medline (Ovid) and Embase (Elsevier)

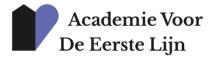








- What is next?
 - Comparison with existing frameworks, in international collaboration
 - Formulation of recommendations?
 - Development of flowchart?
 - Development of digital tool?
 - → Collaboration of members from Scientific methods group of GIN
 - → Funding





Follow up

Kindly inform us if you have an interest in participating in this project.

- → Comparative exercise between the different models and frameworks
- → Developing a flowchart/tool to select a suitable model
- → People with hands-on experience to test the flowchart in an implementation project

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