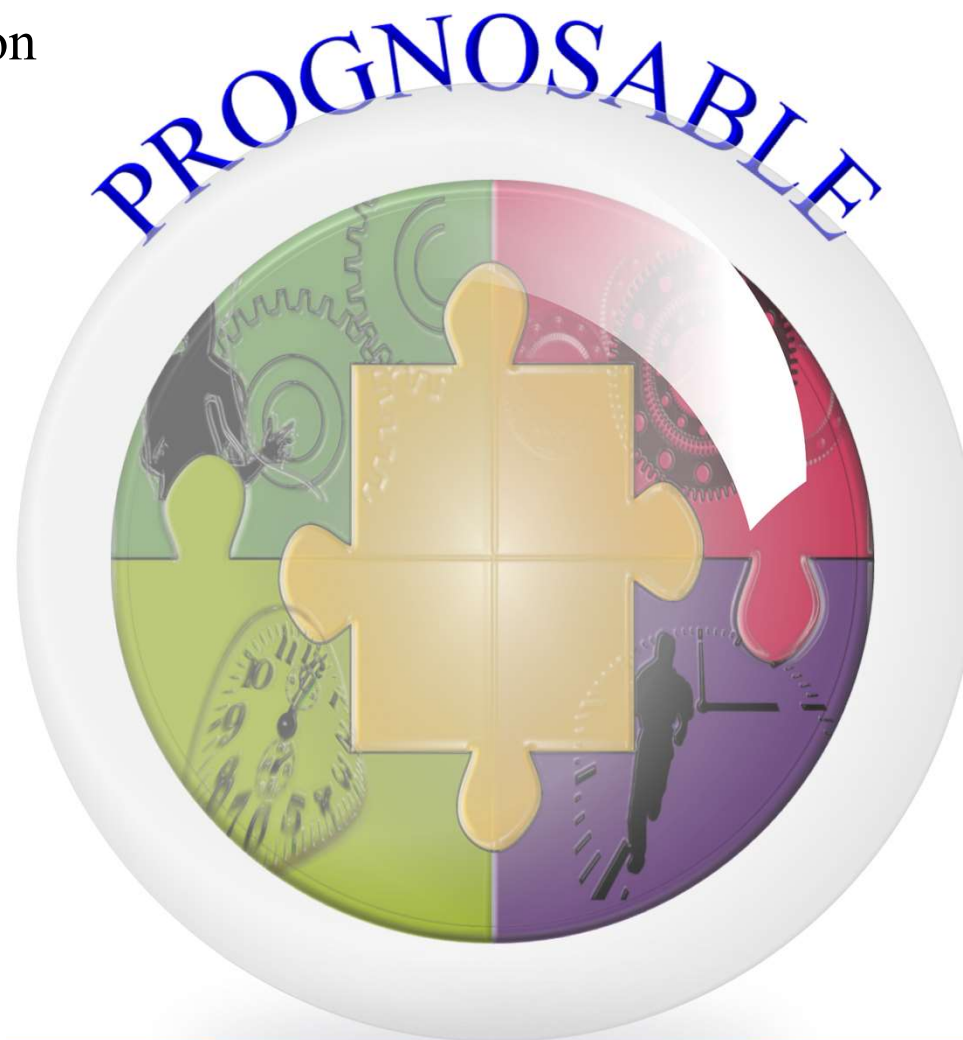
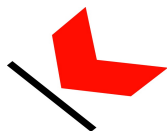


Designing the intervention



to support physicians in
evidence-based work disability
prognosis evaluation





Research Team



Department of Public & Occupational Health



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Principal Investigator
Project Manager



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Senior Researcher



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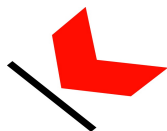


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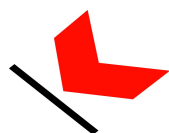
Research Center for Insurance Medicine AMC-UMCG-UWV-VUmc



Faculty Disclosure

X	No, nothing to disclose
	Yes, please specify:

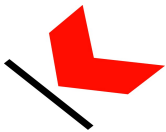
<i>Company Name</i>	<i>Honoraria/ Expenses</i>	<i>Consulting/ Advisory Board</i>	<i>Funded Research</i>	<i>Royalties/ Patent</i>	<i>Stock Options</i>	<i>Equity Position</i>	<i>Ownership/ Employee</i>	<i>Other (please specify)</i>





Introduction

- Work disability prognosis evaluation (WDPE)
- Challenges of Evidence-Based WDPE
- Our goal: designing a supporting intervention for EB WDPE
- Objectives of presentation: discuss design of our solution:
 - Intervention content (working method)
 - Intervention vehicle (tool and training)





Introduction

Work disability prognosis evaluation

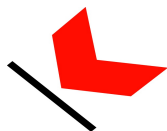
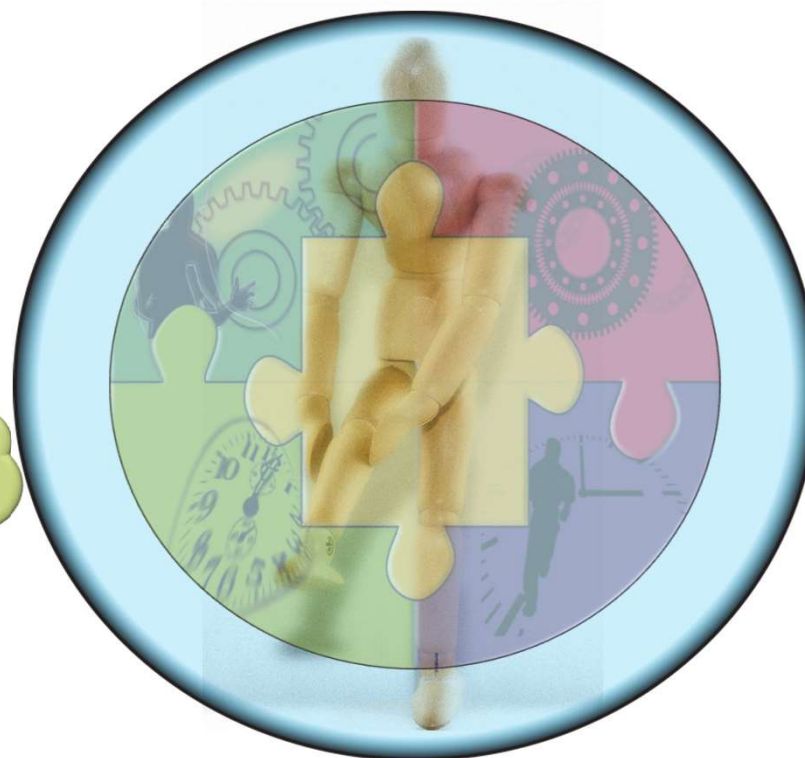


Squat 2
times in an
hour?

Climb
stairs?

Carry
objects of
15 kg?

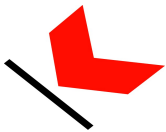
Walk 4
hours a
day?





Introduction

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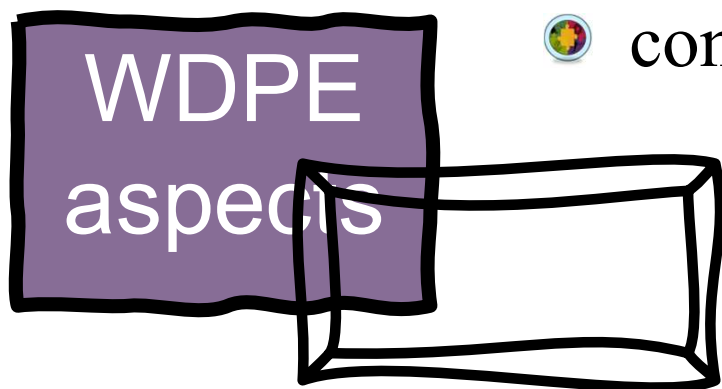




Introduction

Challenges of Evidence-Based WDPE

- finding evidence
- framework issues
- conflicting high stakes



ICF framework



¹ Prognostic research, e.g.:



Moons et al
(2009)

PROGRESS
papers
(>= 2013)



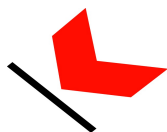
² ICF:



³ Issues with it, e.g.:



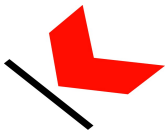
Anner et al
(2012)



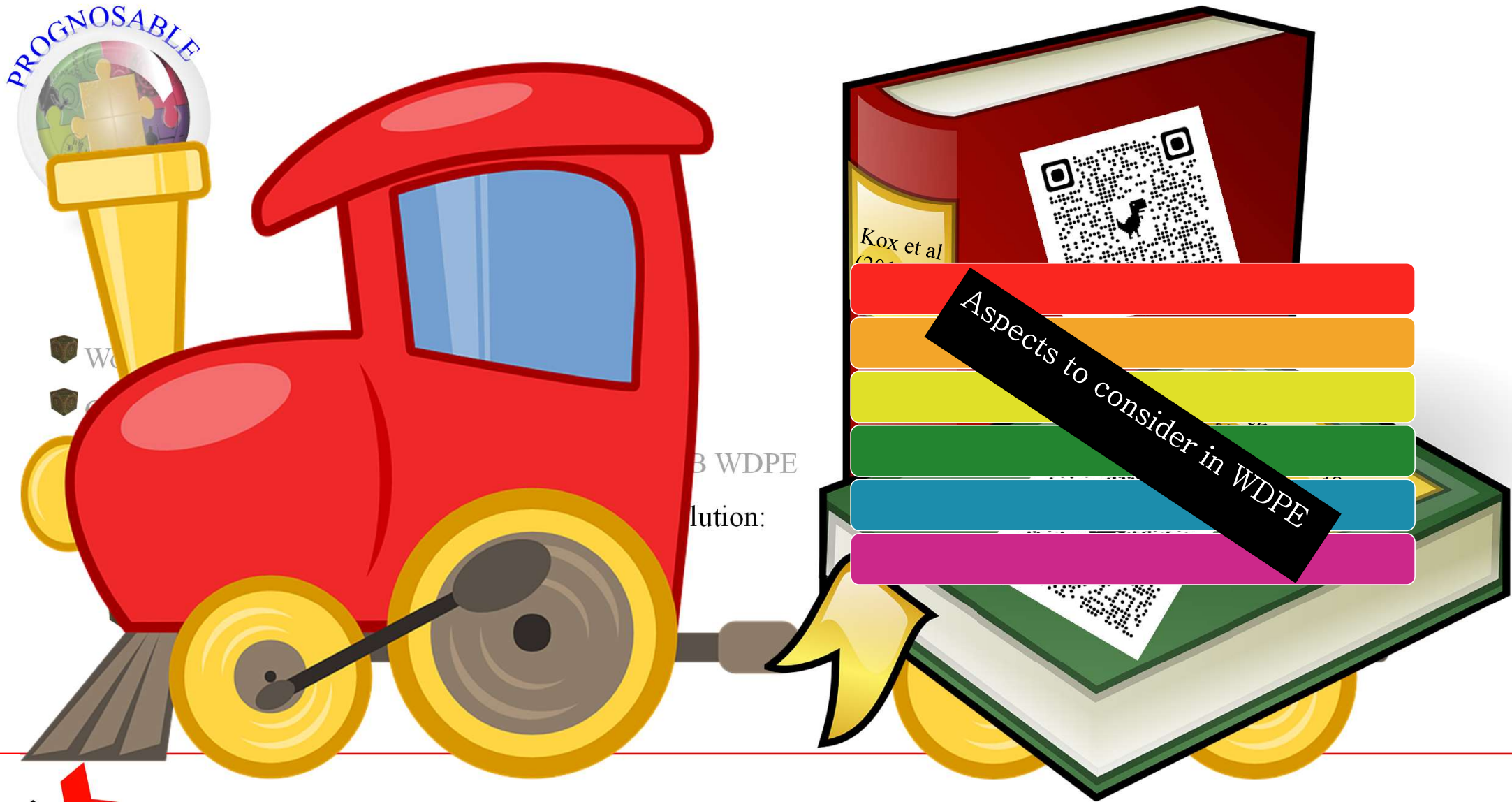


Introduction

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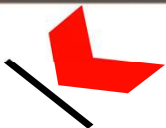


PROGNOSABLE



B WDPE
olution:

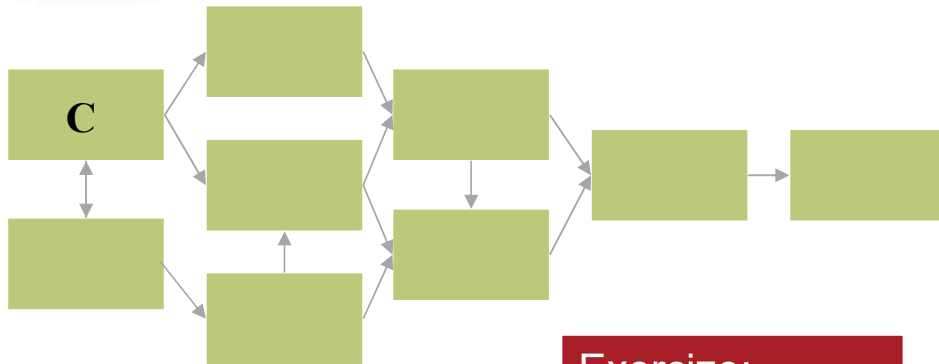
Aspects to consider in WDPE



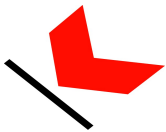
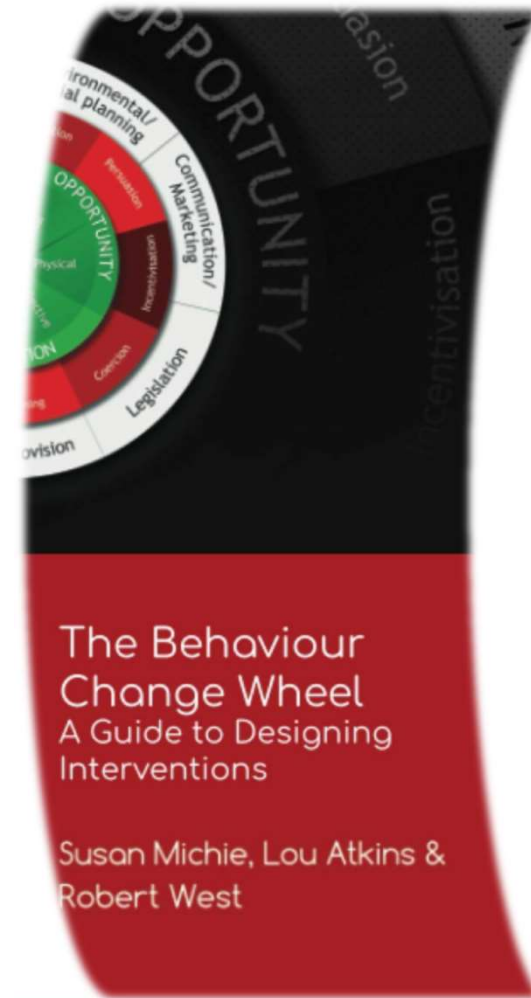
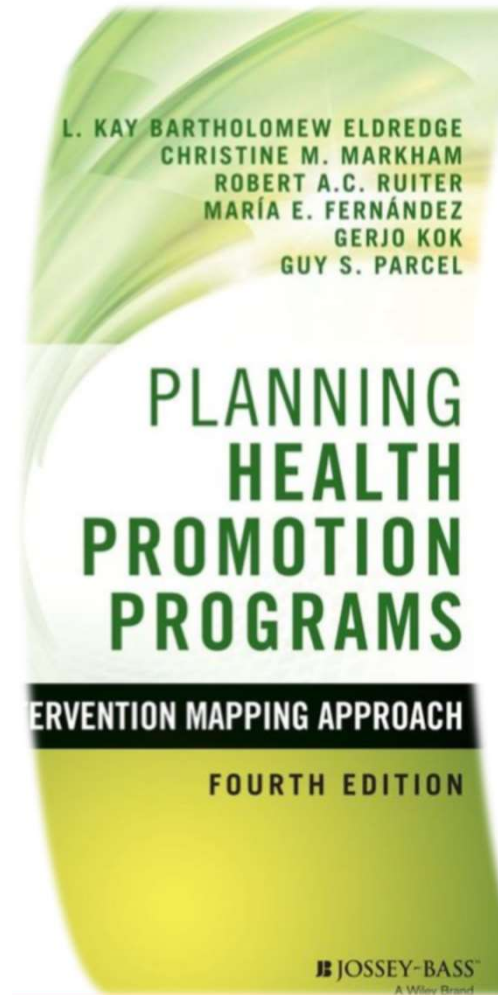


Methods

- 6 steps of IM
- Elements of BCW

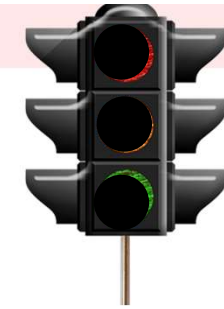


- Exercize:
Choose determinant:
- A
 - B
 - C
 - D





Intervention Mapping step 1: logic model of the problem



Problem
Analysis
Solution

Results



Easier
WDPE

Tailored
WDPE

Faster
WDPE

Quality
WDPE

SOCIAL INSURANCE



Determinants	Performance Objectives	Behavioral Outcomes	Healthy quality WDPE	Quality of WDPE and social security outcomes
<p>P is educated regarding quality, competence, and evidence-based skills and resources in the design, structured, efficient delivery</p> <p>P receives feedback and reinforcement on WDPE's</p> <p>P experiences WDPE as an interesting task for which he has adequate knowledge and support</p>	<p>C Takes a structured and evidence-based approach to WDPE</p> <p>O Focus input from the client to personalize WDPE</p> <p>M Promotes WDPE knowledge and development of himself and others in the profession</p>	<p>P takes explicit time to follow a structured protocol for WDPE and aims at continuous improvement</p> <p>P routinely searches for evidence and is well versed in its application</p>	<p>WDPE meets quality requirements</p> <ul style="list-style-type: none"> takes a multidimensional perspective continues substantiation is based on evidence wherever 	<p>Provided benefits, resources and assistance following WDPE fit the clients' needs</p> <p>Claims and other stakeholders understand and accept the outcome of the disability</p>
<p>C does not know what to expect and therefore does not know what to ask or mention</p>	<p>C has limited</p>			
<p>O does not know what quality characteristics, requirements, time investments and consequences are involved in high quality WDPE</p> <p>O lacks P's for disability assessments</p> <p>O wants to optimize output, but meanwhile also likes to have an innovative reputation</p>	<p>O does not offer an optimal knowledge infrastructure for WDPE</p> <p>O has no clear quality standards for the WDPE</p>	<p>Facilitating high quality WDPE together with its P's</p>	<p>economic, understandable and acceptable</p>	<p>satisfaction</p>
<p>PC doesn't know a WDPE work-up to communicate to P's</p> <p>PC experiences shortcomings in knowledge infrastructure and time</p> <p>PC is involved in various quality projects of which some might be experienced as more urgent than WDPE</p>	<p>Unstructured WDPE method with insufficient consideration of medical and/or</p>	<p>The professional community of physicians facilitates WDPE knowledge build-up and exchange among members and with other parties</p>	<p>WDPE is made in a context of ongoing education, research and reflection ensuring sustained quality and continuous improvement</p>	
	<p>1. PC promotes the continuous professional development of P's</p> <p>2. PC stimulates WDPE knowledge development</p> <p>3. PC exchanges knowledge on WDPE with other professional communities</p>			

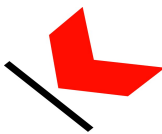
Please, don't try to read this now.

Please, don't try to read this now.

Please, don't try to read this now.



Snoeck-Krygsman SP, Donker-Cools BHPM, Jansen LP, Hoving JL, Schaafsma FG (2023). *Designing an evidence-based working method for medical work disability prognosis evaluation-an intervention mapping approach*. *Frontiers in Public Health*, 11, 1112683. <https://doi.org/10.3389/fpubh.2023.1112683>



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Results



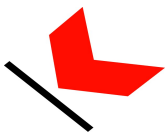
Education



Environmental restructuring



Snoeck-Krygsman SP, Donker-Cools BHPM, Jansen LP, Hoving JL, Schaafsma FG (2023). *Designing an evidence-based working method for medical work disability prognosis evaluation-an intervention mapping approach*. *Frontiers in Public Health*, 11, 1112683. <https://doi.org/10.3389/fpubh.2023.1112683>

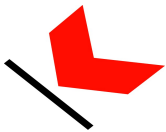




Results

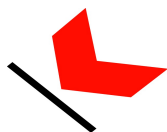


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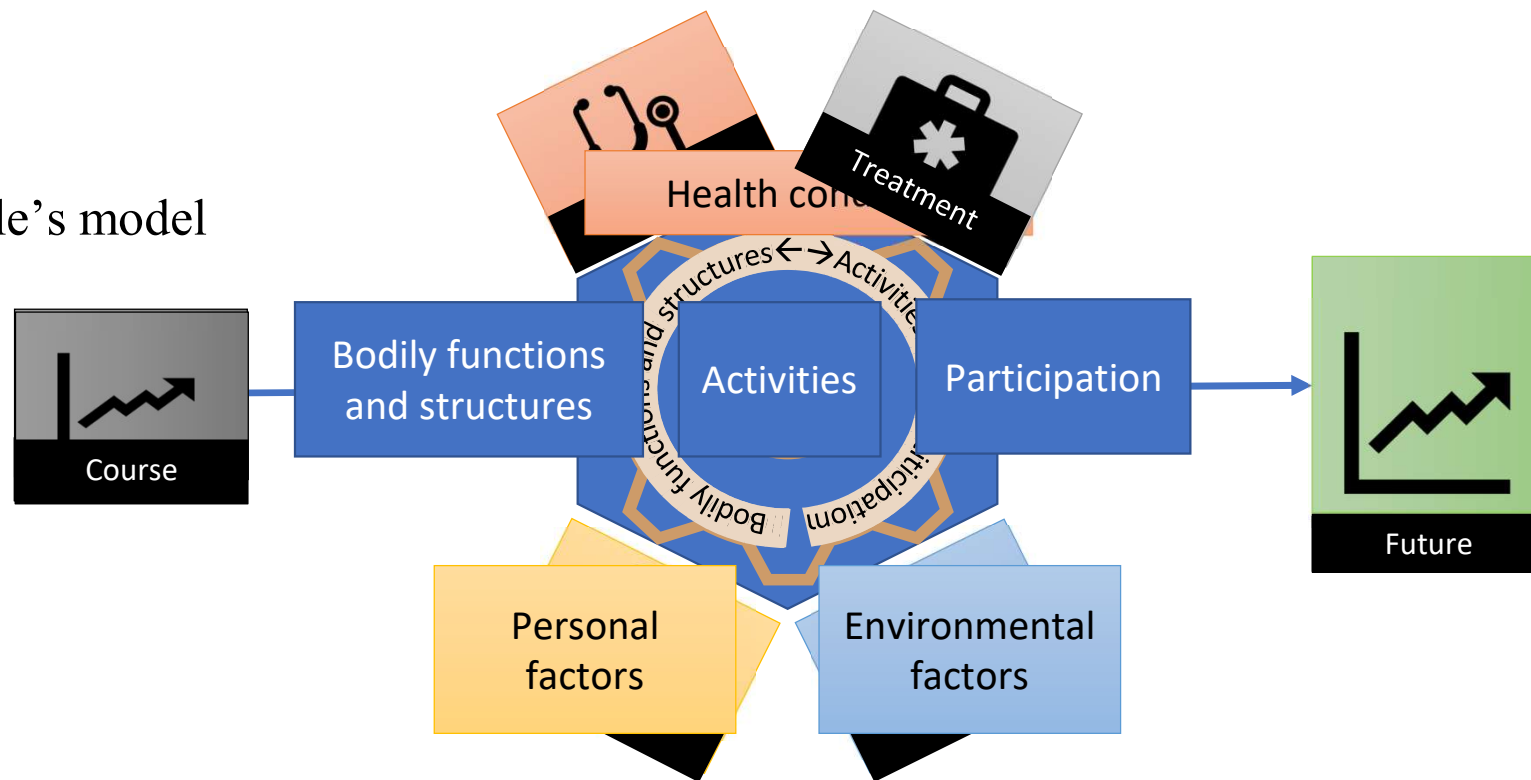
The screenshot shows the Prognosable software interface. On the left is a vertical navigation menu with the following items: "Welcome" (highlighted in blue), "Step 1: Overview", "Step 2: Main Question", "Step 3: Evidence", "Step 4: Weighting", "Step 5: Consideration", "Features", "Sources", and "Training". The main content area features a large circular graphic with a central yellow puzzle piece and four surrounding colored segments (green, red, purple, green) containing icons of a clock, a gear, a person, and a brain. To the right of this graphic, the word "Prognosable" is displayed in a large, bold, blue font. At the bottom right of the interface, there are two buttons: "Start feasibility study" and "Start".



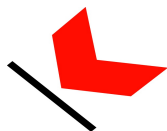


Results

Prognosable's model

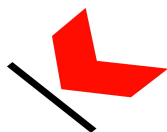


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A screenshot of the Prognosable software interface. The interface is displayed within a rounded rectangular frame. At the top left, it says 'Welcome to Prognosable!'. Below this is a 'Welcome' button and the text 'Welcome to'. A central graphic shows a large yellow puzzle piece in the middle of a circular arrangement of other colorful puzzle pieces (green, red, purple, blue) containing various icons like a clock, a gear, and a person. On the left side, there is a vertical menu with buttons for 'Step 1: Overview', 'Step 2: Main Question', 'Step 3: Evidence', 'Step 4: Weighting', and 'Step 5: Consideration'. Below these are buttons for 'Features', 'Sources', and 'Training'. On the right side, the word 'Prognosable' is written in a large, bold, blue font. At the bottom right, there are two buttons: 'Start feasibility study' and 'Start'.





Results

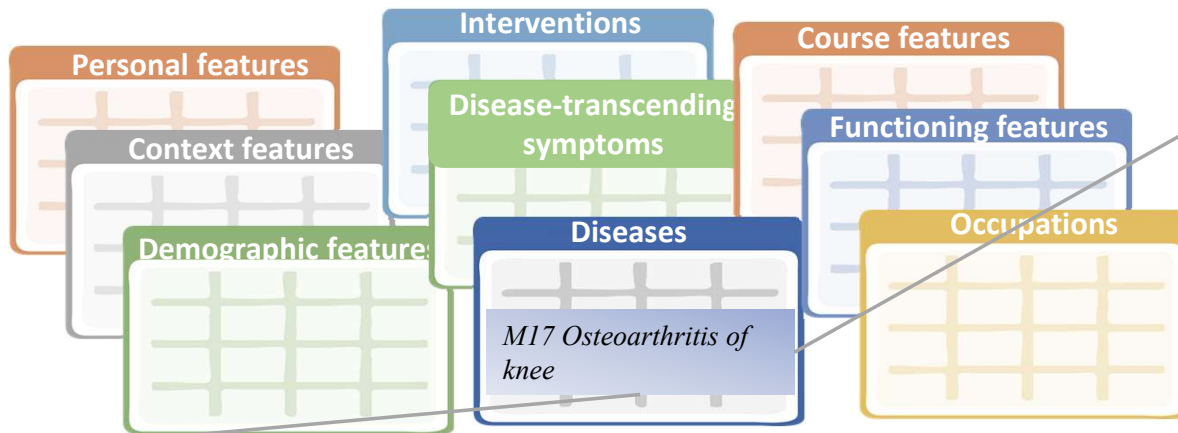
Prognosable tool build-up

Client



ICD M17
Osteoarthritis of knee

SBC 190502 Postal
deliverer



Kuijer et al (2009)
"Beneficial and limiting factors affecting return-to-work in knee osteoarthritis: a systematic review"

ICD M17
Osteoarthritis of knee

ICD M16
Osteoarthritis of hip

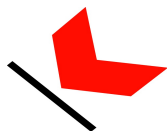
Return-to-work

Resources

Search Tools

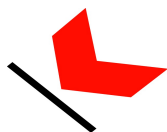


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The screenshot shows a web-based interface for "Prognosable". On the left is a vertical navigation menu with buttons for "Welcome", "Step 1: Overview", "Step 2: Main Question", "Step 3: Evidence", "Step 4: Weighting", and "Step 5: Consideration". Below these are buttons for "Features", "Sources", and "Training". The main content area features a large circular graphic with a central yellow puzzle piece and four surrounding colored quadrants (green, red, purple, green) containing icons of a clock, a gear, a person, and a brain. To the right of this graphic, the word "Prognosable" is displayed in a large blue font. At the bottom right, there are two buttons: "Start feasibility study" and "Start".





Results

Feasibility study

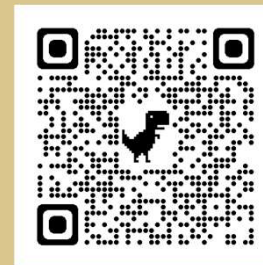
Can Prognosable work?

(limited) Efficacy

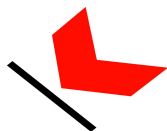
Can one work with Prognosable?

Acceptability
Appropriateness
Applicability
Usability

¹ Bowen et al (2009):



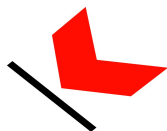
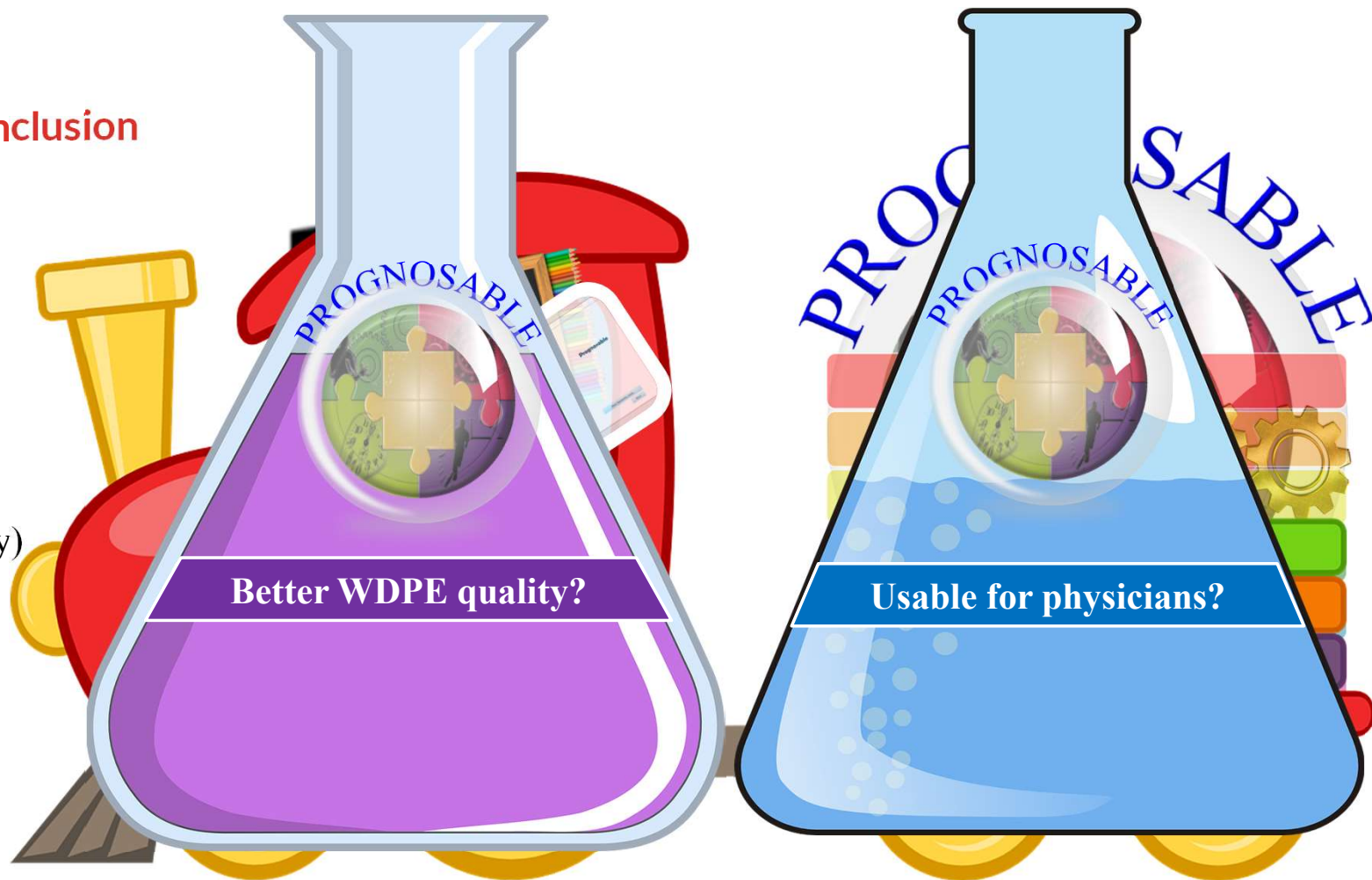
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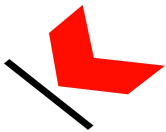
Conclusion

- Eclectic design process
- Intervention “Prognosable”
- Content + Vehicle
- Ready to test (quality, usability)





Questions?





Thank you!

