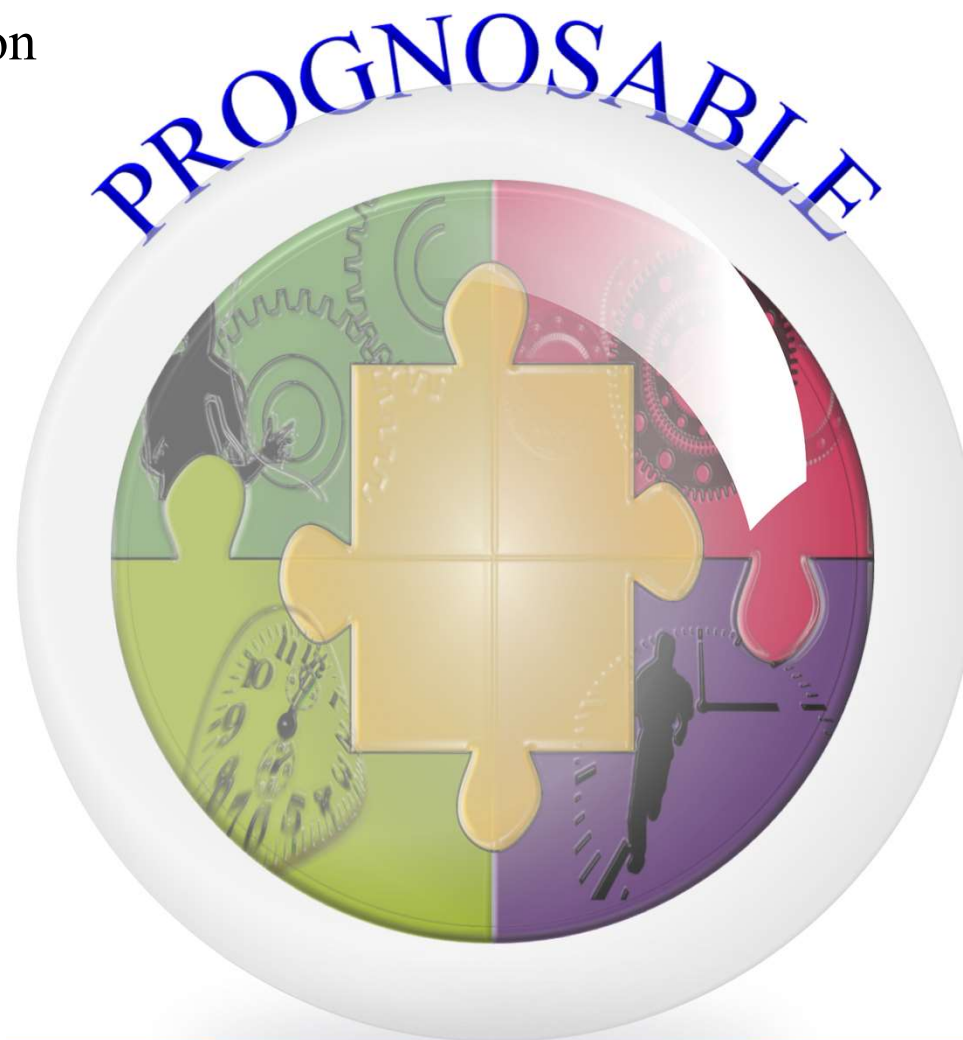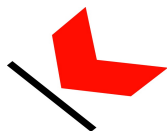Designing the intervention

to support physicians in
evidence-based work disability
prognosis evaluation

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

Research Team

Amsterdam UMC
Universitair Medische Centra

Department of Public & Occupational Health

J.L. (Jan) Hoving, PhD
Principal Investigator
Project Manager

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Professor

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Insurance Physician
Senior Researcher

S.P. (Sylvia) Snoeck-Krygsman, MD, MSc
Insurance Physician
Psychologist
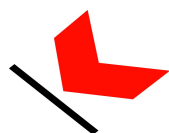Junior Researcher

s.p.snoeck-krygsman@amsterdamumc.nl

L.P. (Lyanne) Jansen, MSc
Research Assistant
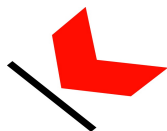
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Faculty Disclosure

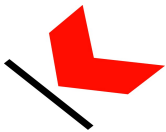| X	No, nothing to disclose
	Yes, please specify:

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

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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)

Work disability prognosis evaluation

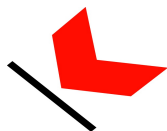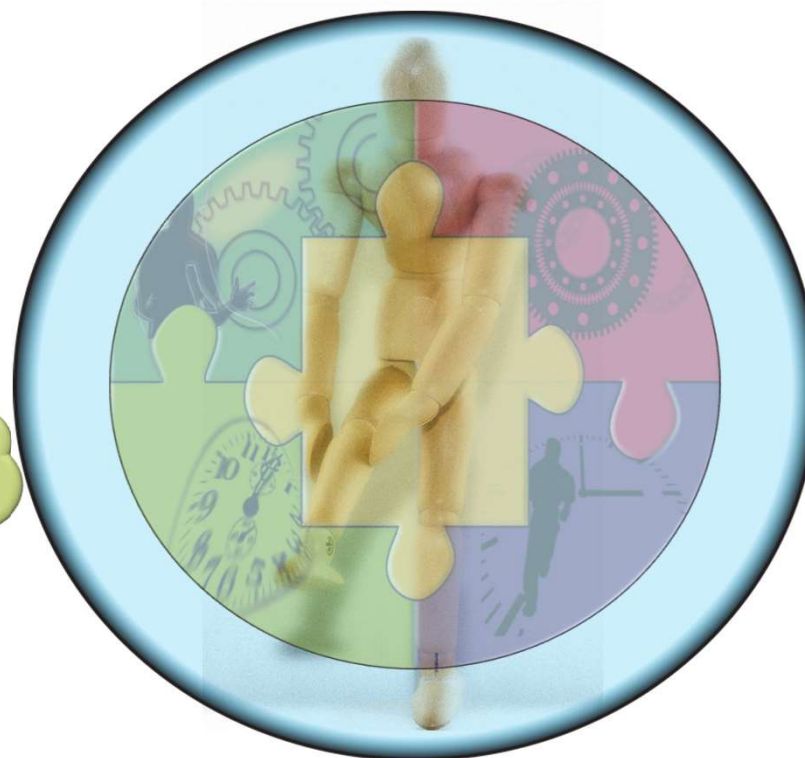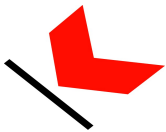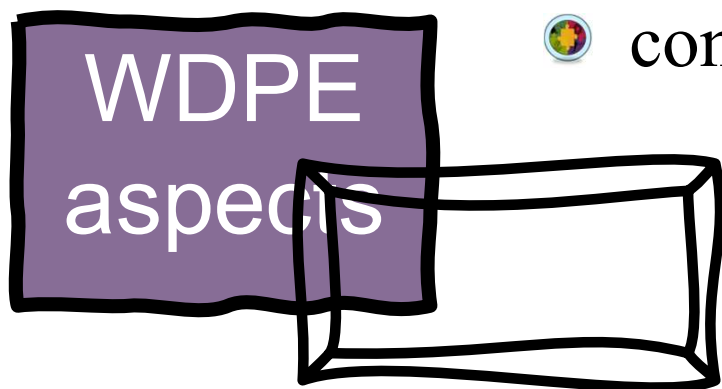# Introduction

- Work disability prognosis evaluation

- **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)

Challenges of Evidence-Based WDPE

- finding evidence

- framework issues

- conflicting high stakes

WDPE aspects

ICF framework

[1] Prognostic research, e.g.:

Moons et al (2009)

PROGRESS papers (>= 2013)

[2] ICF:

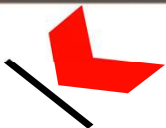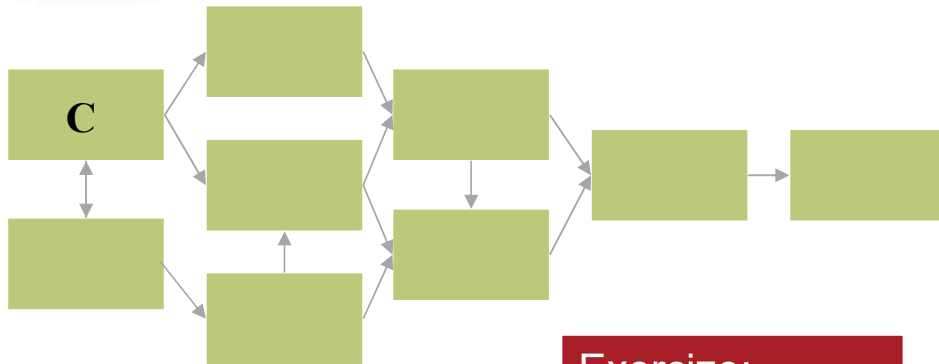[3] Issues with it, e.g.:

Anner et al (2012)
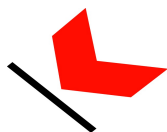
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PROGNOSABLE

Kox et al
(20
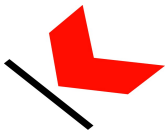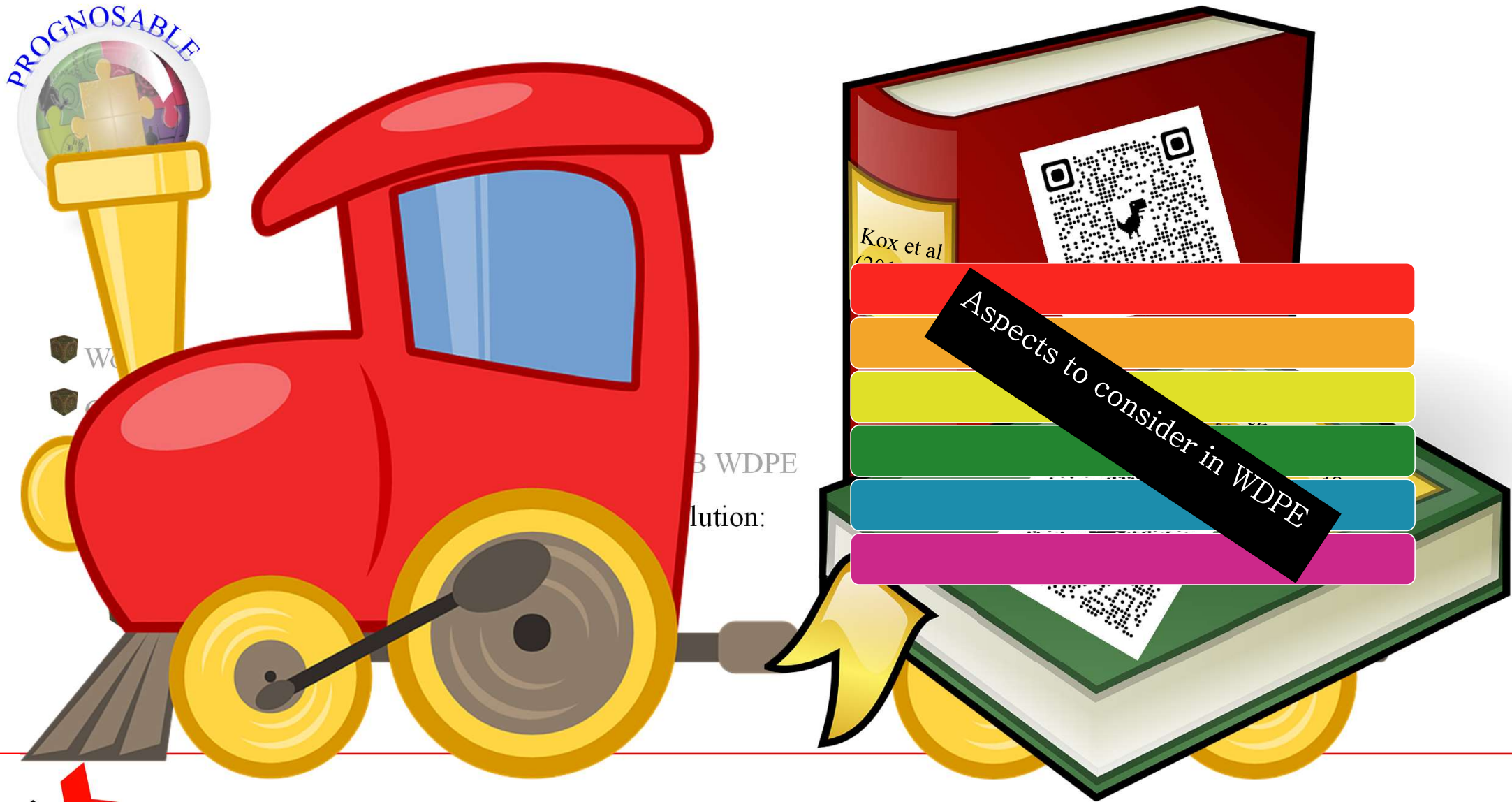
B WDPE

lution:

Aspects to consider in WDPE

Methods
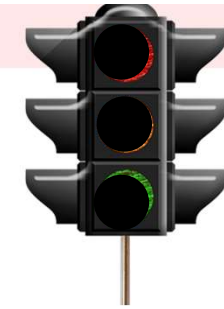

- 6 steps of IM
- Elements of BCW

C

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

PROGNOSABLE
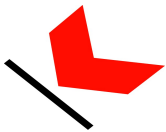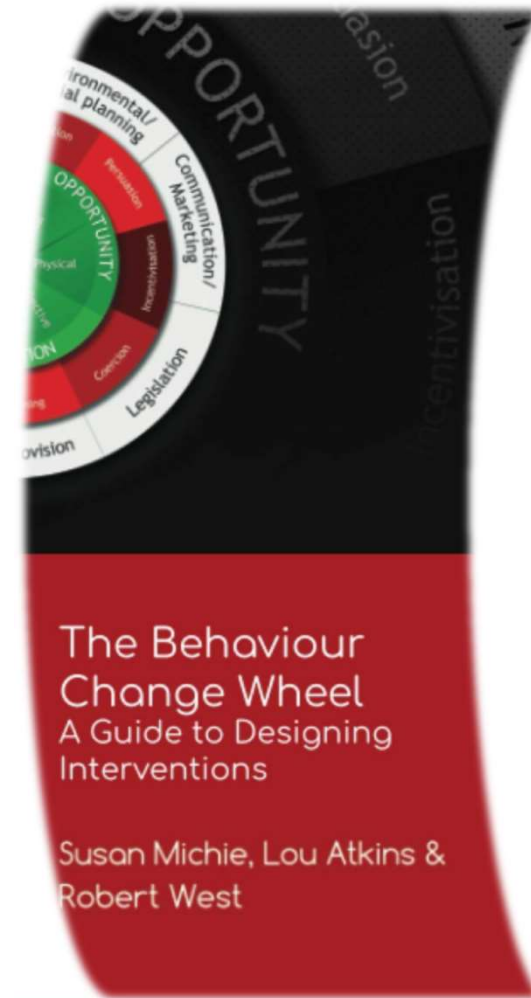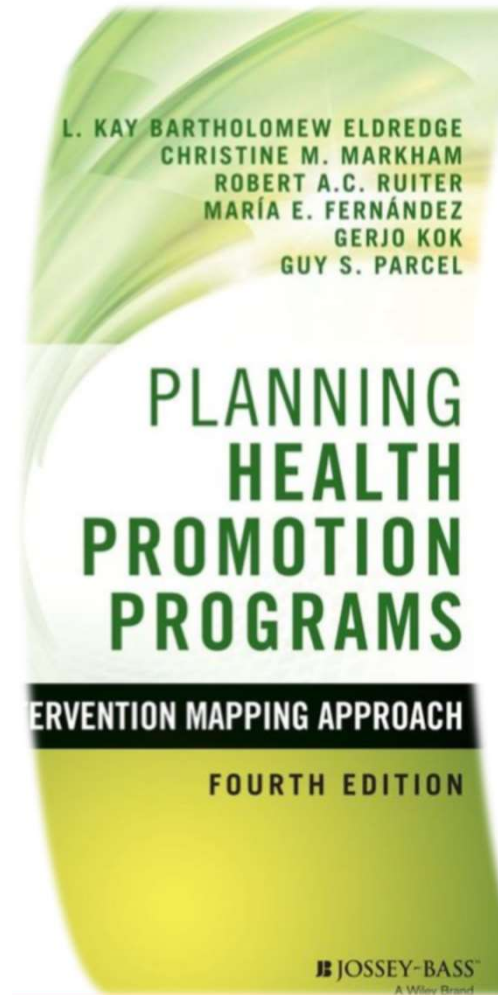
Problem Analysis Solution

Results

Easier WDPE

Tailored WDPE

Faster WDPE

Quality WDPE

SOCIAL INSURANCE

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

Aspects to consider in WDPE
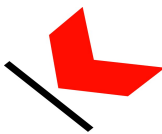
Education

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
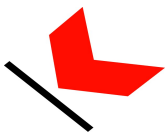
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Results

Welcome to Prognosable!

Welcome

Step 1: Overview

Step 2: Main Question

Step 3: Evidence

Step 4: Weighting

Step 5: Consideration

Features

Sources

Training

Welcome to

Prognosable

Start feasibility study

Start

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Results

Prognosable's model

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
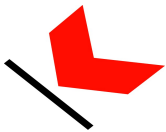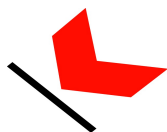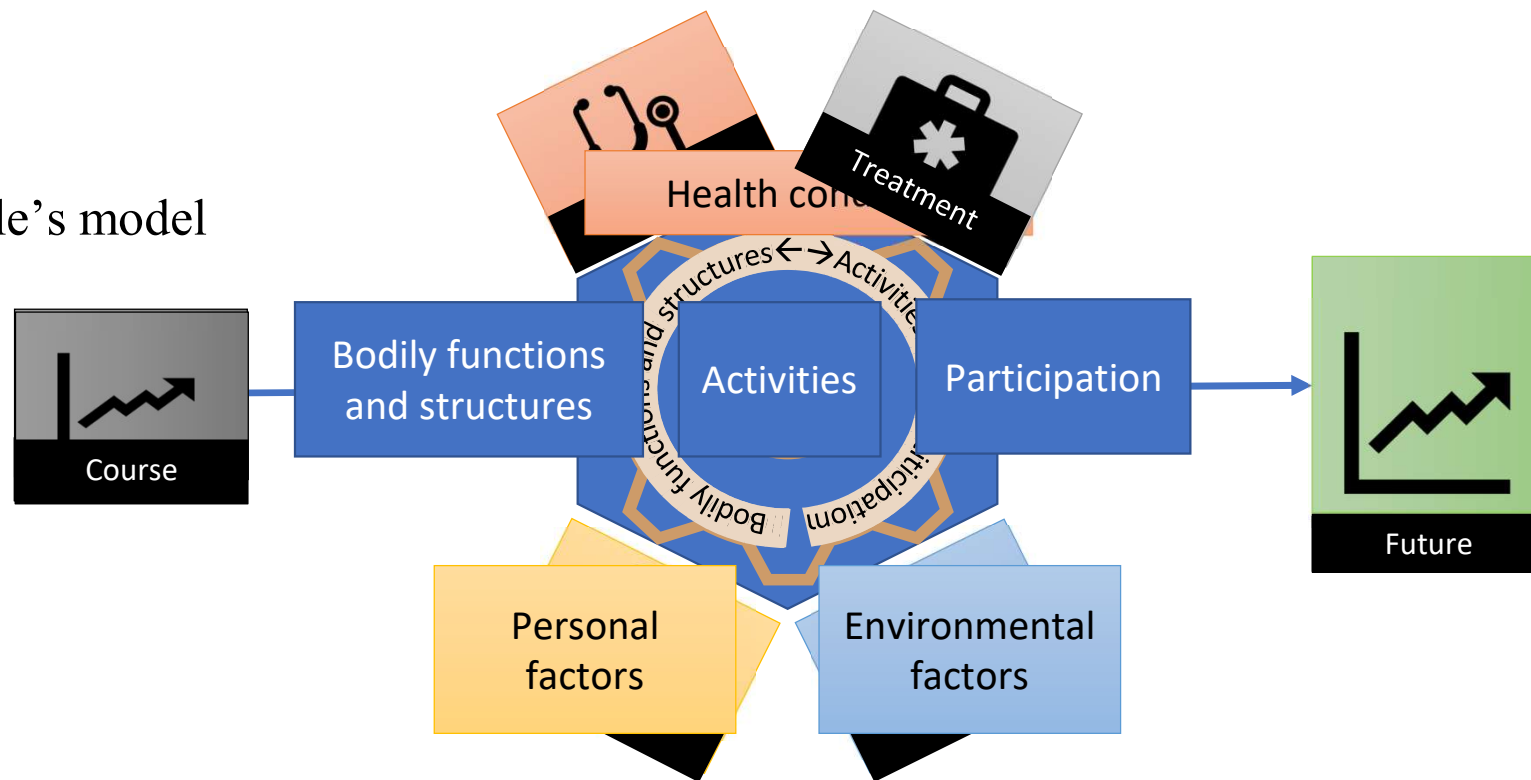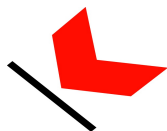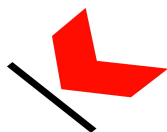
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Results

Prognosable tool build-up

Client

Interventions

Personal features

Context features

Disease-transcending symptoms

Course features

Functioning features

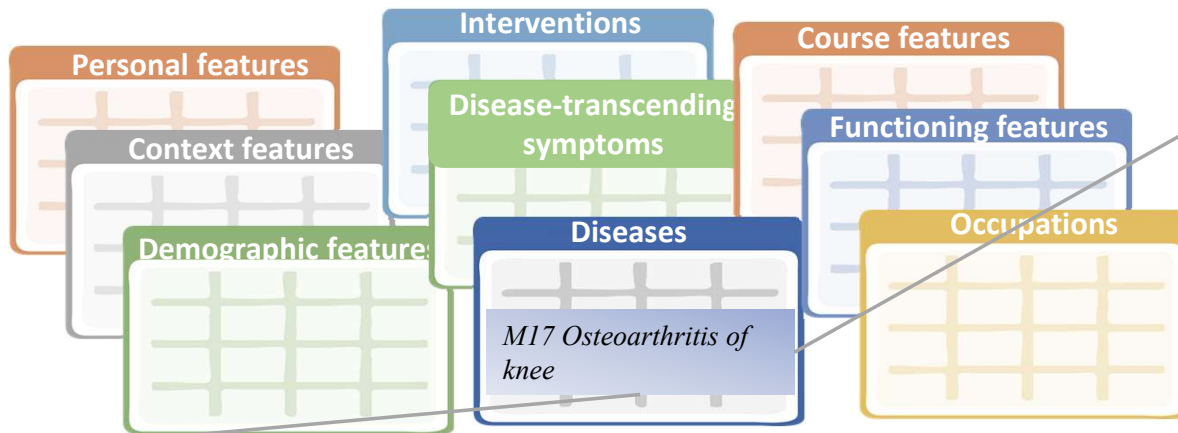**Demographic features**

Diseases

M17 Osteoarthritis of knee

Occupations

ICD M17 Osteoarthritis of knee

SBC 190502 Postal deliverer

Kuijer et al (2009) *"Beneficial and limiting factors affecting return to work after knee arthroplasty: a systematic review"*

ICD M17 Osteoarthritis of knee
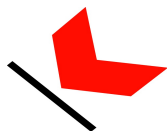
ICD M16 Osteoarthritis of hip

Return-to-work

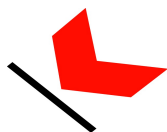**Resources**

Search Tools

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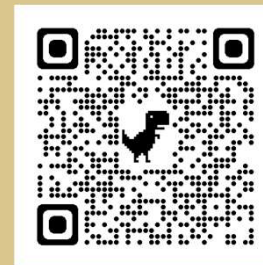
Results

Feasibility study
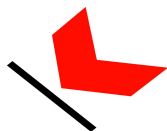
[1] Bowen et al (2009):

Can Prognosable work?

(limited) Efficacy

Can one work with Prognosable?

Acceptability
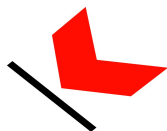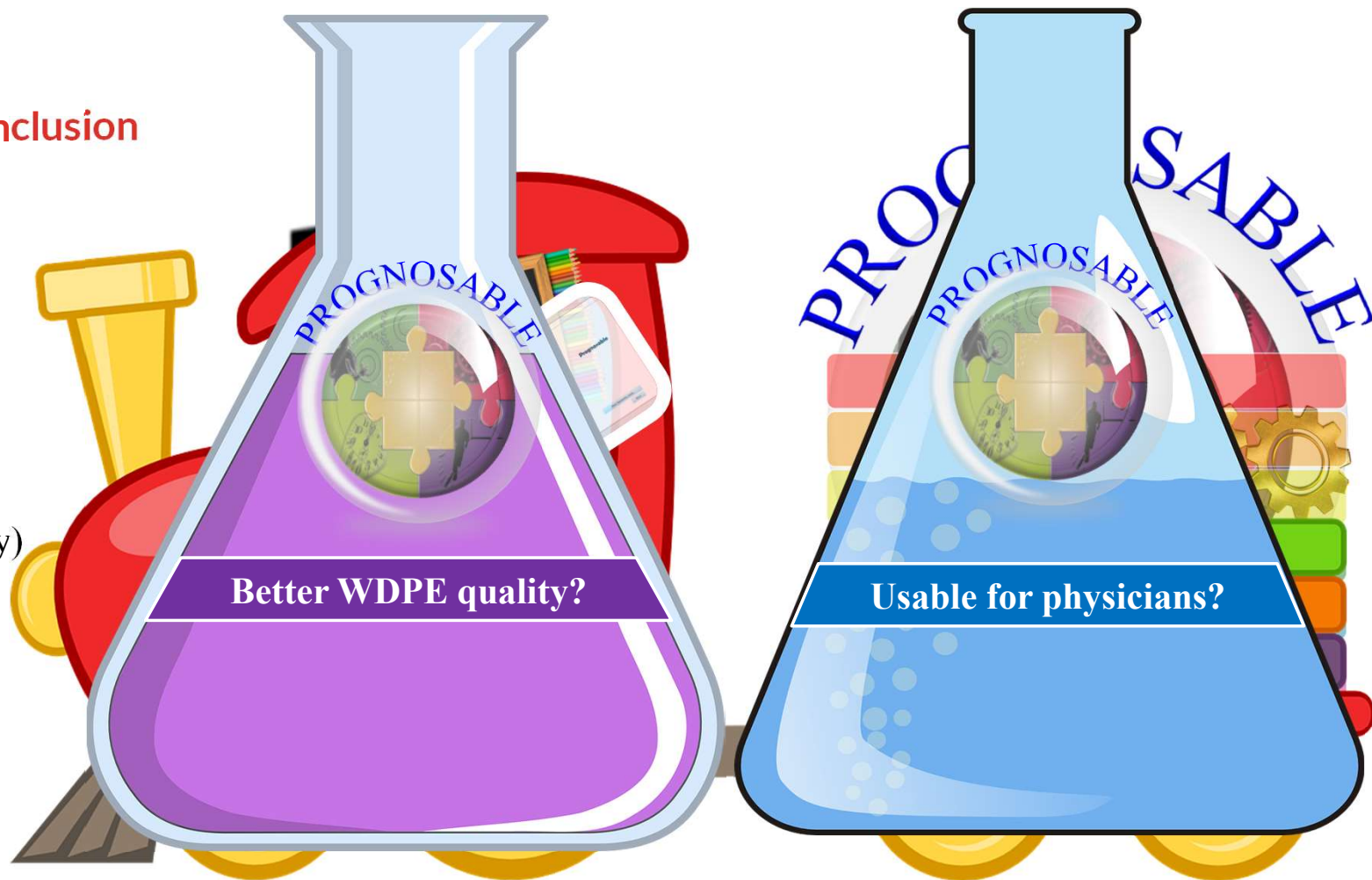Appropriateness
Applicability
Usability

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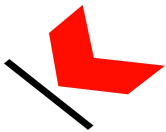
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Conclusion

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

Better WDPE quality?

Usable for physicians?

Questions?

Thank you!