

# Moving toward outcome-based care in the Rotterdam Eye Hospital: Developing PROMs with patients



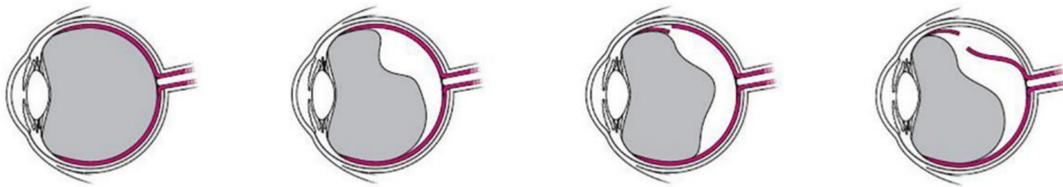
Jarinne Woudstra-de Jong<sup>1,2</sup>, Layla Teunissen<sup>3</sup>, Jacomijn Gussenhoven<sup>3</sup>, Sonia Manning-Charalampidou<sup>1,4</sup>, Hans Vingerling<sup>5</sup>, Jan Busschbach<sup>2</sup>, Konrad Pesudovs<sup>6</sup>

ICHOM 2024  
21-22 October | Beurs van Berlage, Amsterdam  
NEJM Catalyst

Rotterdam Ophthalmic Institute (1), Department of Quality and Safety (3), & Department of Vitreoretinal surgery (4), Rotterdam Eye Hospital, The Netherlands; Department of Psychiatry (2) & Department of Ophthalmology (5), Erasmus MC, Rotterdam, The Netherlands; School of Optometry and Vision Science (6), University of New South Wales, Sydney, Australia

## Background and Purpose

- Disease area: vitreoretinal surgery = retinal detachment, vitreomacular interface disorders (VMID), vitreous floaters



- PURPOSE:** Identify important quality-of-life issues & develop 3 new disease-specific PROMs together with patients
- Previous efforts have lacked patient input → ineffective measurement

## Methods

- Semi-structured telephone interviews
- Purposive sampling → N = 156
- Coding into PROM items with NVivo 13
- Item selection based on: applicability, clarity and comprehensiveness
- Feedback from patients (N = 30) in cognitive interviews on pilot PROMs
- Translation of PROMs from Dutch into English, Turkish and Arabic

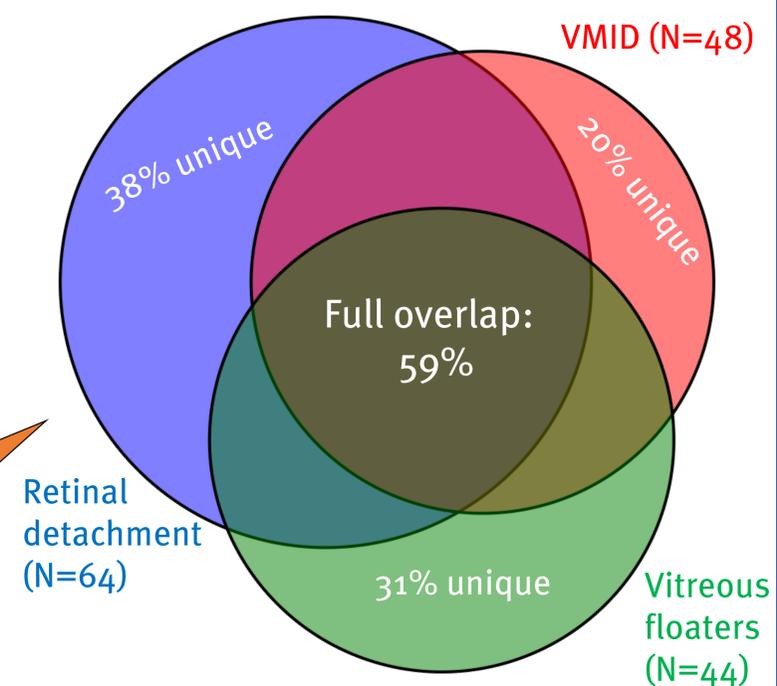
## Results: Important quality-of-life issues

- 156 interviews → 821-1658 quality-of-life issues in 11 domains → 3 PROMs with 272-355 PROM items

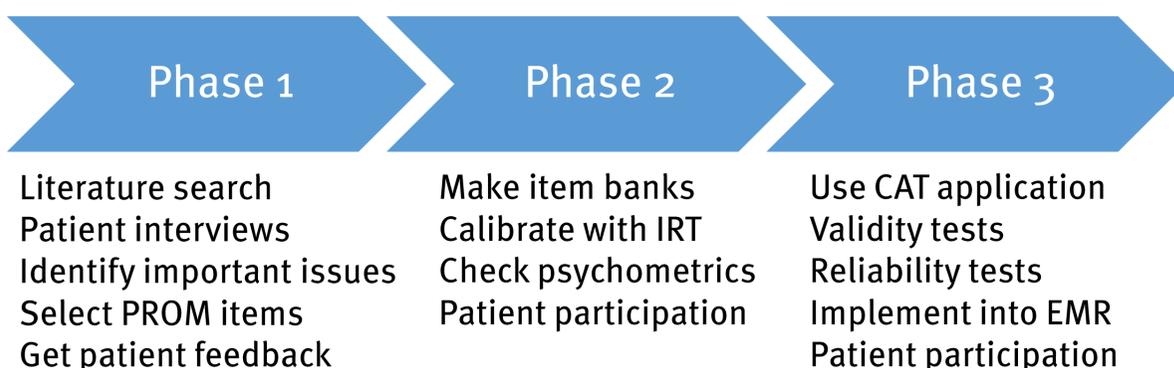
- Visual symptoms (25-33 PROM items)
- Ocular symptoms (18-23)
- General symptoms (14-23)
- Emotional wellbeing (29-45)
- Health concerns (38-45)
- Coping strategies (28-39)
- Activity limitations (35-45)
- Mobility issues (7-19)
- Economic impact (17-22)
- Inconveniences (31-37)
- Social wellbeing (10-28)

Unique items are mainly found in emotional wellbeing, coping and health concerns domains (45-64% unique PROM items)

*"I wish the eye doctor could see through my eyes, see what I see, and experience what I experience"*



## PROM development process - Future research



## Outcome-based care in our hospital

- Outcome-based care program launched in 2021
- Goal: measuring and visualizing outcomes
  - standardized outcome sets
  - hospital-wide patient experience measure
  - disease-specific PROMs
  - relevant medical outcomes
- Challenge: Change to new EMR system in 2024

Corresponding author:

Jarinne Woudstra-de Jong | j.dejong@oogziekenhuis.nl | www.linkedin.com/in/jarinne

Financial support:

ZonMw, Rotterdamse Stichting Blindenbelangen, Stichting voor Ooglijders, Stichting Wetenschappelijk Onderzoek Het Oogziekenhuis