PROM toolbox

The Patient Reported Outcome Measure (PROM) toolbox holds the following tools:
- **The PROM-guide**
- **The literature review on the use of PROMs**
- **The PROM-cycle**
- **The Linnean menu**
- **The PROM-links**
- **The making of the PROM-overview & PROM-select app**
- **The PROM-overview**
- **The PROM-select app**
- **The PROM-select app usability test report**
- **The PROM toolbox presentation (HTx Expert Forum meeting 25-11-2021)**
  - **https://www.youtube.com/watch?v=u83e4XQ5Kjg**

The **PROM toolbox** consists of the **PROM-guide,** step 3 accompanied by **The literature review on the use of PROMs,** and **the PROM-cycle**. of which step 2 and 3 are supplemented with generic PROMs in **the Linnean menu.** The **PROM-links** tool provides links to useful websites. In addition, the **PROM-overview** is an Excel database containing PROMs accompanied by relevant information made available via a user-friendly web-application helping users to select PROMs: **The PROM-select app**. **The making of the PROM-overview & PROM-select app** is a report describing their development.

The PROM-guide deals with orientation and preparation for the use of PROMs. Step 3 is about how and when PROMs work and is accompanied by The literature review on the use of PROMs: Current knowledge and scientific evidence for the use of Patient-Reported Outcome Measures; an overview of the 'mechanisms of action' or expectations about 'how it works'.
The assessment framework the PROM-cycle[4] is about the selection and application of PROMs. The Linnean menu is a supplement to the PROM-cycle[4] and aligns to steps 2 and 3, the process of selecting PROs and PROMs.
The PROM-links tool provides links to useful websites.

The making of the PROM-overview & PROM-select app describes the development of the Excel database containing Patient or Person-Reported Outcome Measures (PROMs) recently used in the EU in i.e. in the fields of our HTx case studies: Head and Neck Cancer, Diabetes Mellitus, Multiple Sclerosis, MyeloDysplastic Syndrome, (Long lasting) COVID and in general. The PROM-overview is made available via a user-friendly web-application helping users to select PROMs: The PROM-select app: https://www.prom-select.eu.

Dr. Elise H. Quik
The National Health Care Institute
Willem Dudokhof 1
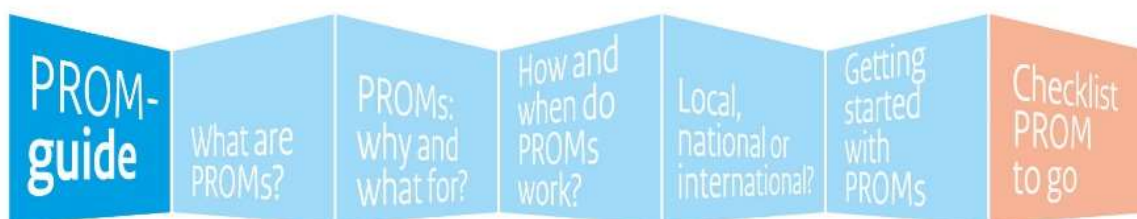1112 ZA Diemen
The Netherlands
Contact: EQuik@zinl.nl

Content

1 What is the PROM-guide?

The **PROM-guide** is part of the **PROM toolbox** and deals with orientation and preparation for the use of PROMs. In terms of sequencing, the **PROM-guide** therefore comes before the **PROM-cycle**, which is intended for the selection and application of PROMs in healthcare.

PROM-guide

• 1.What are PROMs?

• 2.PROMs: why and what for?

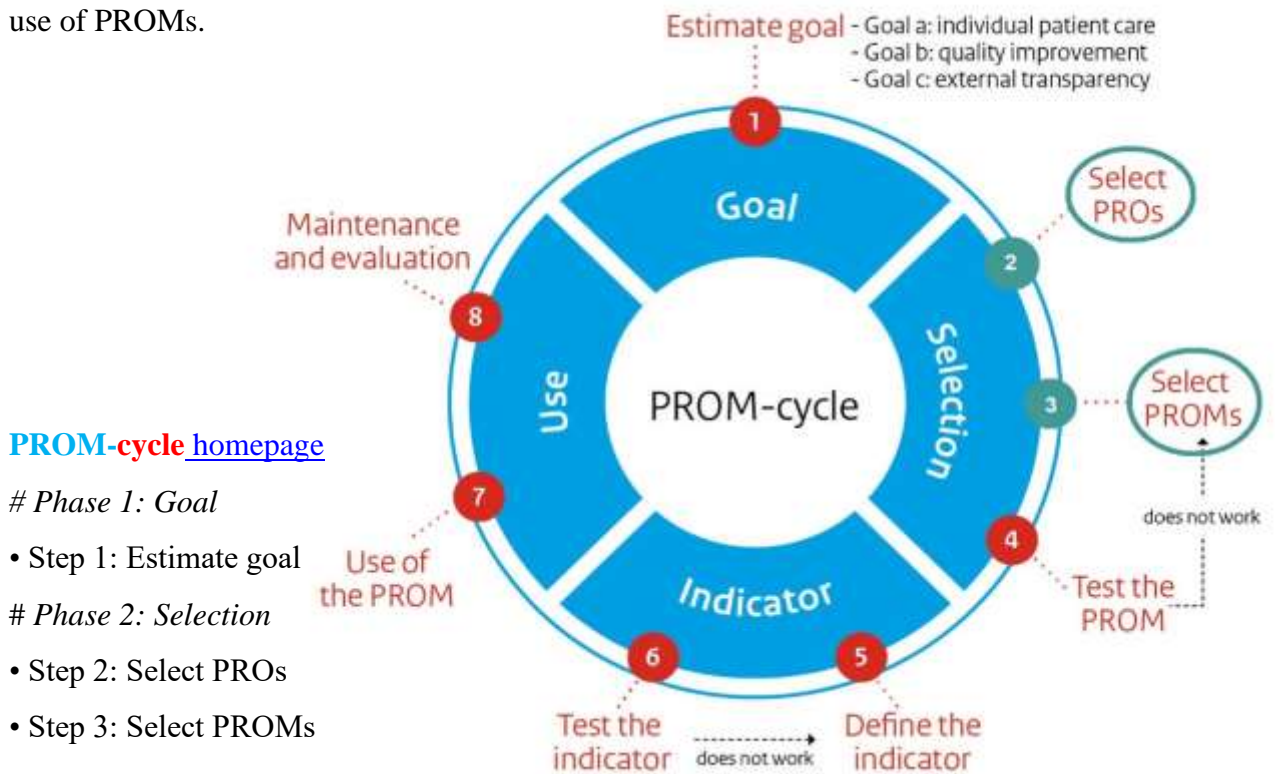• 3.How and when do PROMs work?

  Parties that start working with PROMs would be wise to clarify how they want the PROMs to contribute to the quality of care and quality of life. We provide an overview of the 'mechanisms of action' or expectations about 'how it works' described in **The literature review on the use of PROMs**: Current knowledge and scientific evidence for the use of Patient-Reported Outcome Measures. **The literature review on the use of PROMs** contains ways in which PROMs can contribute to better individual patient care, internal quality improvement and quality improvement through external quality information (accountability or transparency).

• 4.Local, national or international?

• 5.Getting started with PROMs

• 6.Checklist PROM to go

2 What is the PROM-cycle?

The **PROM-cycle** is part of the **PROM toolbox** and deals with the selection and application of PROMs in healthcare. In terms of sequencing, the **PROM-cycle** therefore comes after the **PROM-guide**, which is intended for the orientation and preparation for the use of PROMs.

PROM-cycle homepage

 # Phase 1: Goal

• Step 1: Estimate goal

 # Phase 2: Selection

• Step 2: Select PROs

• Step 3: Select PROMs

> The Linnean Initiative developed **The Linnean menu** of generic PROMs. The menu is advisory in nature and contains a list of outcomes that are relevant to many patients with different conditions (PROs). For each of these PROs some outcome measurement instruments (generic PROMs) are offered in order to help people to select PROs and PROMs and support the use of PROMs in the consulting room and in health care.

• Step 4: Test the PROM

 # Phase 3: Indicator

• Step 5: Define the indicator

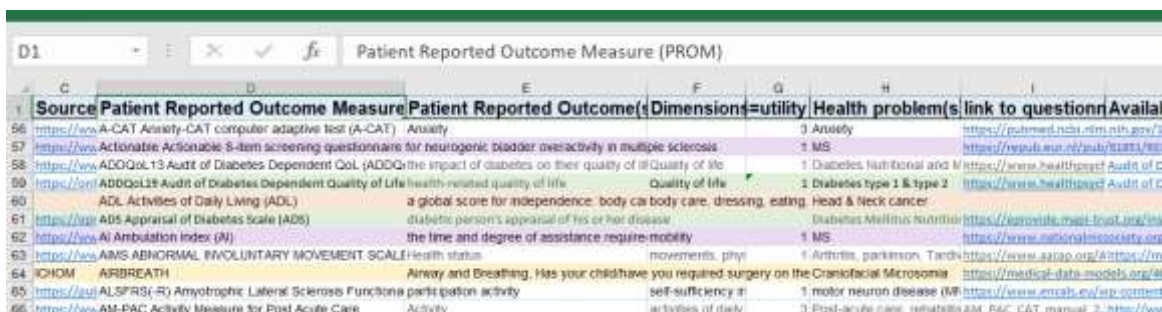• Step 6: Test the indicator

 # Phase 4: Use

• Step 7: Use of the PROM

• Step 8: Maintenance and evaluation

3 What is the PROM-Overview?

Sometimes there is not much time and/or resources to check if a certain PROM is rather well suited for the target group and meets the requirements. Then a systematic literature search for relevant PROMs may take too much time. In order to help you save time, we made an overview of PROMs, their relevant scientific literature and other sources were you may find relevant information about those PROMs.

The **PROM-overview** is an Excel database containing Patient-Reported Outcome Measures (PROMs) recently used in the EU in i.e. in the fields of our HTx case studies: Head and Neck Cancer, Diabetes Mellitus, Multiple Sclerosis, MyeloDysplastic Syndrome, (Long lasting) COVID and in general. This **PROM-overview** is made available in this user-friendly web-application helping users to select PROMs: this **PROM-select app.**

4 What is the PROM-select app?

First check out our **PROM-guide** for more basic information on PRO's and PROM's. Next, we provide an overview of the eight steps (divided into four phases) that should be completed in the selection and implementation of PROMs in healthcare. These phases and steps described in detail in the **PROM-cycle**.

Then, using this **PROM-select app** you may choose your selected PRO you want to measure and relevant health problem or patient group/population. When selected a PRO and health problem you'll get a list of relevant PROMs.

When clicking on a PROM, you will find an overview of relevant information about the PROM and links to more information.

If you are interested in more information about PROMs and how the **PROM-overview** and **the PROM-select app** came to be, then you can read more about it in: **the making of the PROM-overview & PROM-select app.**

The **PROM-links** tool provides links to useful websites.

5 PROM toolbox Glossary

Glossary of terms commonly used in the **PROM toolbox**.

Implementation
Planned implementation of changes with the aim of ensuring that they are given a structural place in the course of action.

Indicator
An indication of any differences in quality of care. Results of PROMs can be converted into an indicator.

Item bank
A set of questions that all measure the same concept (e.g. depression, fatigue, pain, emotional support, etc.). These questions can be used to measure physical, mental and social aspects of health and well-being.

PRO
Patient-reported outcome or Person-reported outcome. A patient-reported aspect of perceived health. PROs reflect the person's opinion and assessment of their health.

PROM
Patient-reported outcome measure or person-reported outcome measure. A questionnaire that measures PROs and that allows the patient (or their next of kin) to assess their health status.

PROM-guide
Orientation and preparation for measuring patient-reported outcomes with Patient-Reported Outcome Measures

PROM-cycle
Selection and application of Patient-Reported Outcomes and Measures

PROMIS®
Patient-reported outcomes measurement information system. This is a computer system that uses adaptive testing. This will guide respondents through a set of PROM questions in a faster and smarter way. The aim is to obtain precise measurements of the most relevant PROs with as few questions as possible. Based on the answer to a question (can you get in and out of bed?), the computer determines the next question (is it easy or difficult for you to run 5 km?) PROMIS consists of a dynamic system of item banks and was originally developed in the United States.
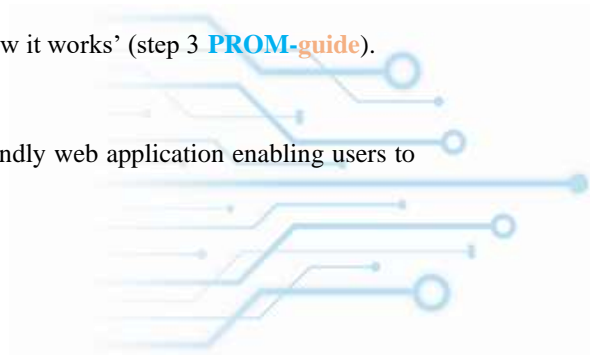
The Linnean menu
A supplement to the **PROM toolbox** and aligns to steps 2 and 3 of the **PROM-cycle.**

The literature review on the use of PROMs Current knowledge and scientific evidence for the use of Patient-Reported Outcome Measures
An overview of the 'mechanisms of action' or expectations about 'how it works' (step 3 **PROM-guide**).

The PROM-select app
the **PROM-overview** Excel database, made available via a user-friendly web application enabling users to select PROMs.

6 Documents

- **The PROM-guide**
- **The literature review on the use of PROMs**
- **The PROM-cycle**
- **The Linnean menu**
- **The PROM-links**
- **The making of the PROM-overview & PROM-select app**
- **The PROM-overview**
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- **The PROM-select app usability test report (coming soon)**
- **The PROM toolbox presentation (HTx Expert Forum meeting 25-11-2021, https://www.youtube.com/watch?v=u83e4XQ5Kjg)**

The **PROM toolbox** and it tools were given distinctive colours to increase recognisability. The **PROM toolbox** therefore has the same colours as the HTx logo. The **PROM-guide,** is orange, because the very handy **PROM-guide checklist** is orange. **The literature review on the use of PROMs,** and **the making of** are more scientific documents for further reading and are only one colour: HTx blue. We choose red for **the PROM-cycle**, since the steps in the cycle are in red. The Linnean Initiative house style colour is green, so we choose this colour for **the Linnean menu.** The **PROM-links** tool provides links so looks like a link: blue and underscore. In addition, the **PROM-overview** is green similar to the Microsoft Office Excel colour: R33 G115 B69, the same colour that is used for the Excel pictogram. And **PROM-select app** has the same colours as the HTx logo too.

7 Funding statement

HTx is a Horizon 2020 project supported by the European Union lasting for 5 years from January 2019. The main aim of HTx is to create a framework for the Next Generation Health Technology Assessment (HTA) to support patient-centered, societally oriented, real-time decision-making on access to and reimbursement for health technologies throughout Europe.