



# Evaluating functional outcome 3 months after stroke

# Comparison between patient-reported outcome measures

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## Introduction

- Only the clinician-reported modified Rankin Scale (mRS) is included in the Dutch Acute Stroke Audit (DASA) to evaluate functional outcome 3 months after stroke.
- From a Value-Based Healthcare perspective the use of Patient-Reported Outcome Measures (PROMs) to measure patient-relevant outcomes has been advocated.

## Study aim

Comparison between PROMs (EQ-5D-5L, PROMIS-10 and USER-P) to evaluate functional outcome 3 months after stroke.

## Methods

- 360 consecutive stroke patients participated in this cross-sectional study.
- The 5-dimensional EuroQol (EQ-5D-5L), Patient-Reported Outcomes Measurement Information System (PROMIS-10), Utrecht Scale for Evaluation of Rehabilitation-Participation Restrictions subscale (USER-P), mRS and a question about experienced decline in activities and health were measured 3 months after stroke

## Take-home messages

- All PROMs showed added value to the mRS 3 months after stroke.
- The PROMIS-10 was sensitive to changes in less affected stroke patients, whereas the EQ-5D-5L and USER-P provided more information in more affected stroke patients.
- It depends on the setting and underlying goal which PROM is preferred.

