



Annelieke Pasma¹, Céline van Lint¹, Amber Geomini¹, Monique den Hollander¹, Marein Favejee¹, Sophie Bruinsma¹, Ingrid Peters¹. department of Quality and Patientcare, Erasmus MC University Medical Center, Rotterdam, the Netherlands

Background

Measuring and discussing patient reported outcomes (PROs) can contribute to:

- Improved quality of medical consultations
- Better patient preparation
- More shared decision making between patient
- Higher patient satisfaction with the consultation

However, not all patients fill out their PROMs before consultation, and not all healthcare providers check completed PROMs in preparation of or during consultation. We propose that when healthcare providers discuss PROM results during consultation, patients adhere better to filling out PROMs.

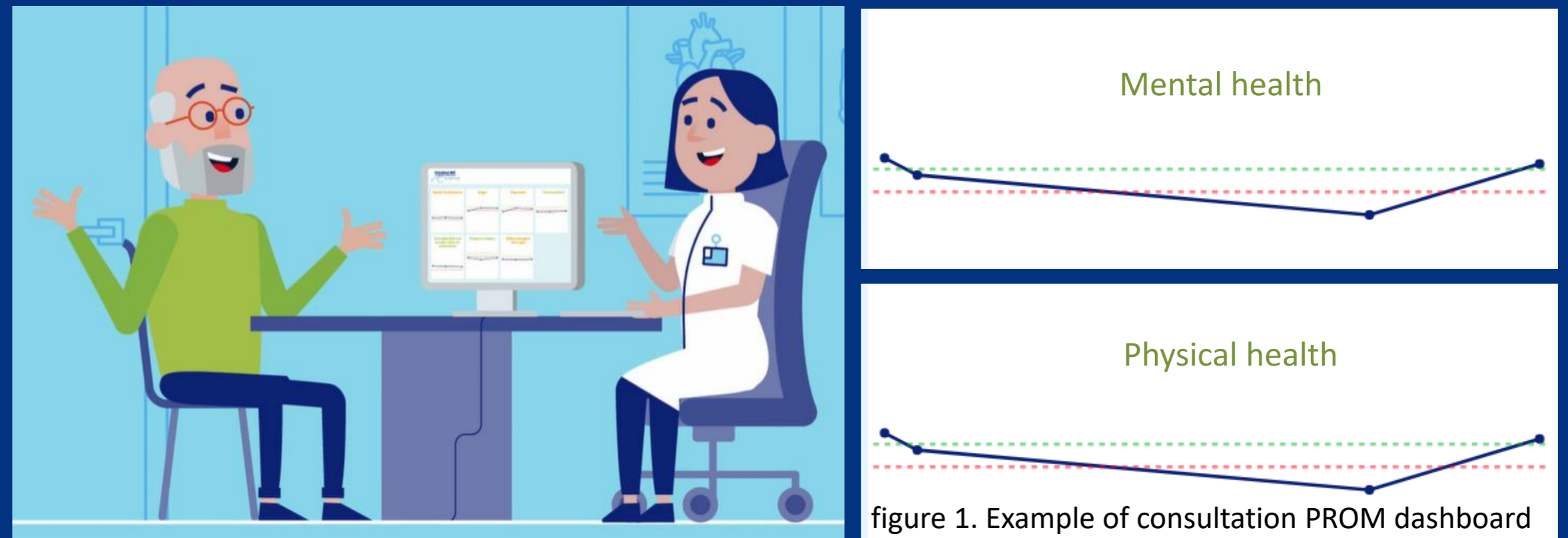


figure 1. Example of consultation PROM dashboard

Results

Statistics		
Two-by-two table	Consecutively filled out PROMs No, n	Yes, n
Dashboard viewed No, n	5842	4383
Yes, n	164	385
Chi-square test		p<0,001
Odds Ratio (95% CI)		3.13 (2.6 – 3.8)

Conclusion

- Positive effect of using a dashboard on consecutive adherence in filling out PROMs.
- Dashboard viewed as a proxy for discussing PROMs with the patient.

Future research

- Observe dashboard use in the consultation room
- Be aware of role and responsibility in addressing PROMs during consultation



Corresponding author: Annelieke Pasma, PhD ✉ a.pasma@erasmusmc.nl

Methods

Patients from the Erasmus MC University Medical Center (Rotterdam, the Netherlands) are requested to fill out one or more electronic PROMs (ePROMs) one week before their consultation in a secured online environment. ePROM results are visualized in dashboards in which scores are plotted over time, accessible for healthcare providers in the electronic patient record (EPR) (figure 1). Dashboard views were logged in the EPR from October 2022 to June 2023. These views were matched with consecutively sent-out and filled out PROMs. A chi-square test was performed on dashboard viewed (yes/no) with consecutive PROMs filled out (yes/no). Further, the odds ratio (OR) of filling out consecutive PROMs after a dashboard has been viewed by the healthcare provider was calculated.

Study characteristics	
Unique patients, n	18.701
Age, mean (SD)	49,4 (22,6)
Gender, male, %	47,7
Total amount of appointments, n	29.475
Follow-up appointments, n	10.774
Appointments with PROMs per patient, n (%)	
1	12.474 (66,7)
2	3867 (20,7)
3	1358 (7,3)
4	502 (2,7)
5	224 (1,2)
≥6 times	276 (1,4)
PROMs per consultation, n (%)	
1	9076 (30,8)
2	11.882 (40,3)
≥3 (including parent proxy forms)	8517 (28,9)
Total amount of PROMs, n	64.613
Filled out PROMs, n (%)	27.396 (43,7)
Consultations with dashboard views, n (%)	4780 (16,2)
Number of times a dashboard has been viewed per consultation, n (%)	
1	2867 (62,2)
2	1088 (23,6)
≥3	656 (14,2)