Person-specific outcome measure (PSO) for use in primary and community care

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BACKGROUND

Patient-reported outcome and experience measures (PROMs and PREMs) fall into three broad categories: condition-specific measures, which are applicable to patients with specific conditions only; generic measures, which apply to all types of patient; and individualised or person-specific measures (iPROMs), which let people identify issues that are most important to them.\(^1\)\(^2\) Thousands of condition-specific measures have been developed mainly for use in clinical trials; standardised generic measures are widely used in evaluation, for quality improvement and for allocating resources between different groups. However, fewer individualised measures have been developed, although there is increasing awareness of their value in tailoring personalised care in domains such as social prescribing. Individualised measures need to be used alongside generic or condition-specific measures because every patient has their own set of priorities and some are much easier to resolve than others.

Several individualised measures were developed during the 1990s, such as SEIQOL (Schedule for Evaluation of Individual Quality Of Life),\(^3\) PGI (Patient Generated Index)\(^4\) and MYMOP (Measure Yourself Medical Outcome Profile).\(^5\) MYMOP evolved into MYCaW (Measure Yourself Concerns and Wellbeing), which is a little simpler, with two concerns plus wellbeing.\(^6\)\(^7\)

At the request of customers working in social prescribing projects, at R-Outcomes we used MYMOP and then MYCaW alongside our other measures. This identified a number of issues, which led to the development of a new iPROM, the person-specific outcome (PSO) measure, which is described here.

Development of the measure

We designed PSO to work in a way similar to other measures in the R-Outcomes family of short generic PROMs and PREMs.\(^8\) Common core characteristics of all these measures include:

1. Brevity and low reading age.
2. Quick and easy to use and understand.
3. Four response options.
4. Optional use of emojis (smiley faces) and colour (green, yellow, orange red) to help understanding.
5. Mean scores for a population are reported on a 0–100 scale.
6. A high score is always good, low is always bad.

For individuals, the PSO uses the same response options as the howRu health status measure.\(^9\) Extreme scores 0, Quite a lot scores 1, A little scores 2 and None scores 3. In reports on individuals, the original patient-specific text and score is used for each issue.

The questions are typically asked at first meeting with the patient and on follow-up. The final version, showing both first meeting and follow-up questions, is shown in figure 1.

On follow-up, the original issue(s) are digitally prepopulated with the issue texts recorded at first meeting. Patients are asked to record their current level of concern. The questions can be asked face-to-face or by telephone. We do not recommend asking these questions at first meeting without any staff involvement, because patients often seek advice about what issues to record.

When reporting the results for a cohort, the mean scores for issue #1 and issue #2 are presented on a 0–100 scale (by multiplying by 100 and dividing by 3). Mean scores are usually shown without decimal points. A summary score is not calculated.

For example:

- First meeting (issue #1) mean score=30.
- Follow-up (issue #1) mean score=70.
- Mean change (issue #1)=40.

DISCUSSION

The PSO is an evolutionary step forward. We acknowledge that our ideas have been influenced by our experience using earlier individualised outcome measures but have taken care not to infringe copyright.

Individualised outcome measures are particularly useful when people are living...
with multiple long-term conditions and it is important to help them adapt. It helps health and care staff to identify and focus on what matters most to their patients.

Users may wish to restrict what sort of issues may be listed. For example, in social prescribing it may be appropriate to suggest that patients list issues that social prescribing link workers may be expected to help with, rather than medical issues (such as finding a cure for cancer or diabetes) or economic issues (such as winning the lottery) that are outside their scope.

However, because people can prioritise very different things, we recommend that iPROMs be used alongside generic PROMs and PREMs. Preliminary findings suggest that changes in PSO scores correlate strongly with changes in well-being (as measured by the Personal Well-being Score (PWS)), but not with changes in health status or health confidence.

The main technical issue in using the PSO, in common with other iPROMs, is digital prepopulation of the follow-up survey with the issues recorded on the initial survey for the same patient.

The PSO avoids, when used with other R-Outcomes measures, several issues encountered with other iPROMs we have used, such as MYMOP and MYCaW. The main differences are mentioned below.

PSO is short and quick to use. It has four response options, which are labelled with words and coloured emojis, not numbers. Mean scores for a population use a 0–100 scale with a high score always being high. This means that reported improvement is signified by a positive number. A well-being question is not part of PSO, because patients are usually asked about their well-being using a generic PROM such as PWS.

PSO has been developed and piloted with social prescribing link workers. Our experience of the present final version is still limited, which is why this is a short report, not a full paper. We will publish a full report of the validation and practical experience using PSO when we have enough data using the present version.

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CONCLUSION
The PSO measure is a new individualised outcome measure, which is short and easy to use. It has been designed to be used alongside other R-Outcomes measures. It is well suited to primary and community care, including social prescribing, where a personalised approach is needed, and people present with a wide variety of issues.

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