

Using Patient-reported Outcomes (PROMs) In Clinical Program Evaluation: Two program examples measuring health status in primary care

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RATIONALE

PROMs integrate the patient's perspective and provide a more comprehensive evaluation of health programming.

We describe the integration of the EQ-5D-5L within a program evaluation framework in primary care in Alberta, Canada.

METHODS

Edmonton O-day/min Primary Care Network routinely collects EQ-5D-5L in their Kinesiology and Nutrition programs. Data collected between January 1, 2021 and March 31, 2022 was used. Descriptive analyses were completed.

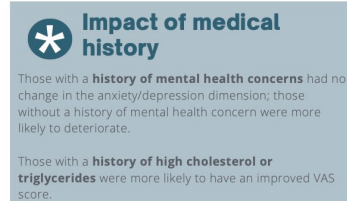
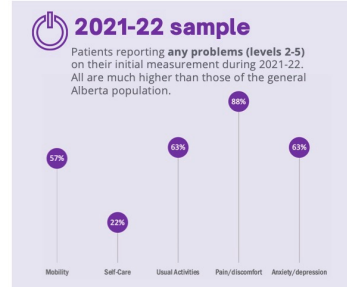
By dimension, the Pareto Classification of Health Change was applied.

- Deteriorated: deterioration in the level of problems reported in one or more dimensions from intake to end of program, with no improvement in other dimensions
- No change: Level of problems reported (2-5 only) was the same at intake and end of program
- Maintained perfect health: No problems reported (level 1) at intake and end of program
- Improved: improvement in the level of problems reported in one or more dimensions from intake to end of program, with no deterioration in other dimensions
- Mixed change: some dimensions improved, some deteriorated

For index and VAS scores, three methods were applied.

- Minimally important differences (MID) were used for interpretation; 0.04 (index) and 7.0 (VAS).
- Effect size of change were calculated
- Alberta general population comparisons (based on age and sex) were examined.

The impact of Kinesiology on health-related quality of life

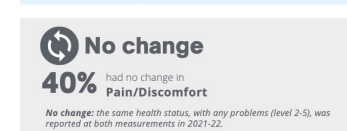
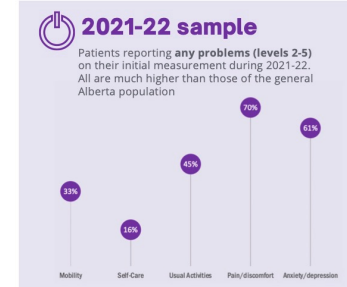


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SUMMARY

By describing the patients' characteristics and health status using the EQ-5D-5L, these findings are important to inform program planning and resource allocation to help meet their needs. Beyond the EOPCN, using the same tools throughout other primary care settings as indicators of health status maintenance or change are valuable to examine at the population-level. Combining PROMs with other validated and reliable outcome measures in primary care creates a robust framework to measure program outcomes across populations and over time.

The impact of Dietitian services on health-related quality of life



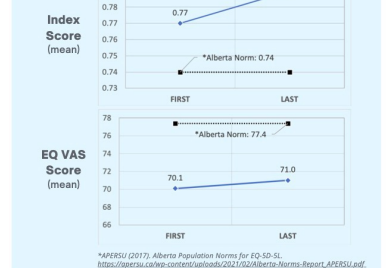
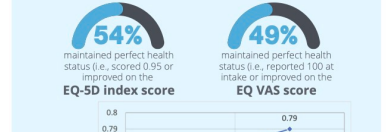
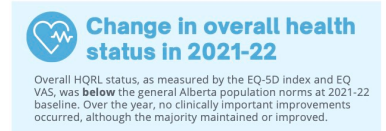
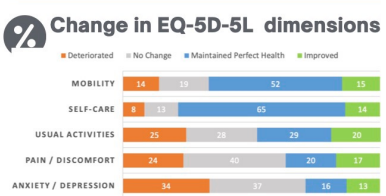
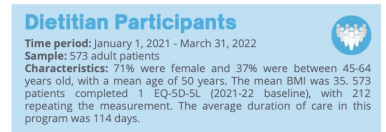
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HIGHLIGHTS

- PROMs integrate the patient's perspective in health programming evaluation.
- We studied the self-report health status of patients in two health programs.
- Improvements in anxiety/depression and usual activities were noted.
- The results inform future programming to better meet patient needs.



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