

Collaboration for Outcomes Research and Evaluation Faculty of Pharmaceutical Sciences

Absenteeism and Presenteeism Associated With Chronic Conditions in a Canadian Working Population

Wei Zhang^{1,2}, Hong Qian², Jacynthe L'Heureux³, Gary Johns^{4,5}, Mieke Koehoorn^{2,3}, Simon Woodcock⁶

1 Faculty of Pharmaceutical Sciences, University of British Columbia; 2 Centre for Advancing Health, University of British Columbia; 5 John Molson School of Business, Concordia University; 6 Department of Economics, Simon Fraser University

Introduction

Cost-effectiveness guidelines recommend including work productivity losses in economic evaluations conducted from a societal perspective.1

Comprehensive productivity loss estimates are currently lacking for a general working population. This **limits the ability** of researchers and decision makers to evaluate the incremental costs of health conditions and potential benefits of intervention, and to allocate funds efficiently to optimize population health.

Objectives

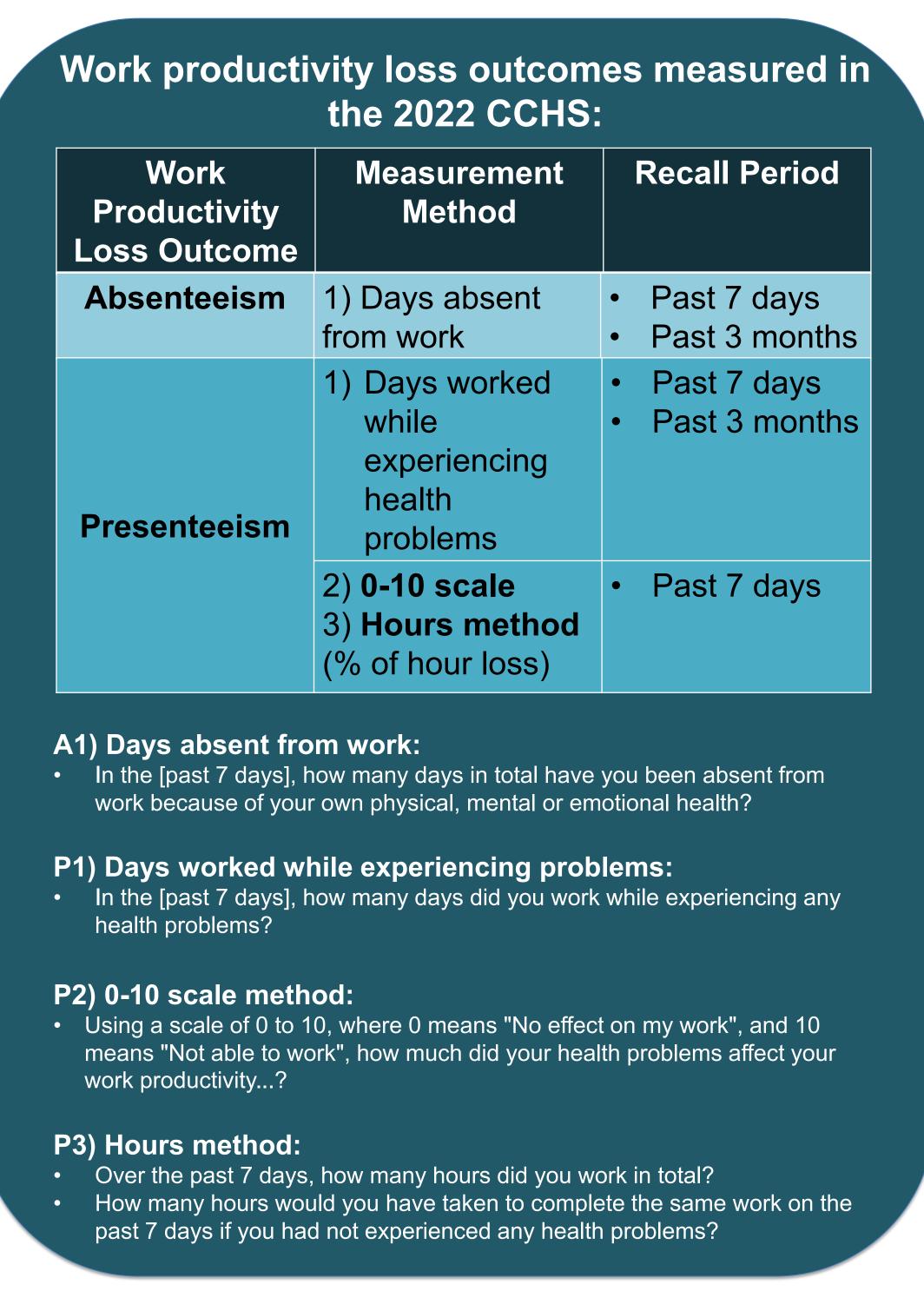
To generate population norms by estimating absenteeism and presenteeism associated with chronic conditions among a representative sample of the Canadian workforce.

Methods

Questions regarding work productivity loss were added to the 2022 Canadian Community Health Survey (CCHS).

Final study sample were:

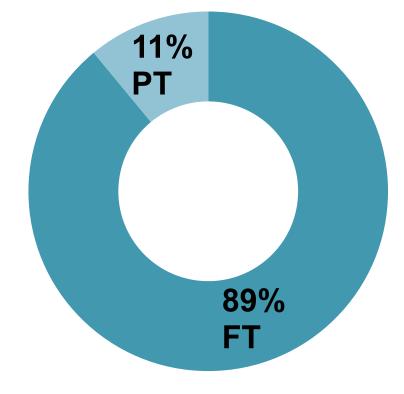
- 1. Aged 15-75 years,
- 2. Working at a job or business as their main activity in the past 12 months,
- Not "permanently unable to work",
- Having worked at a job or business in the past 3 months.



Results

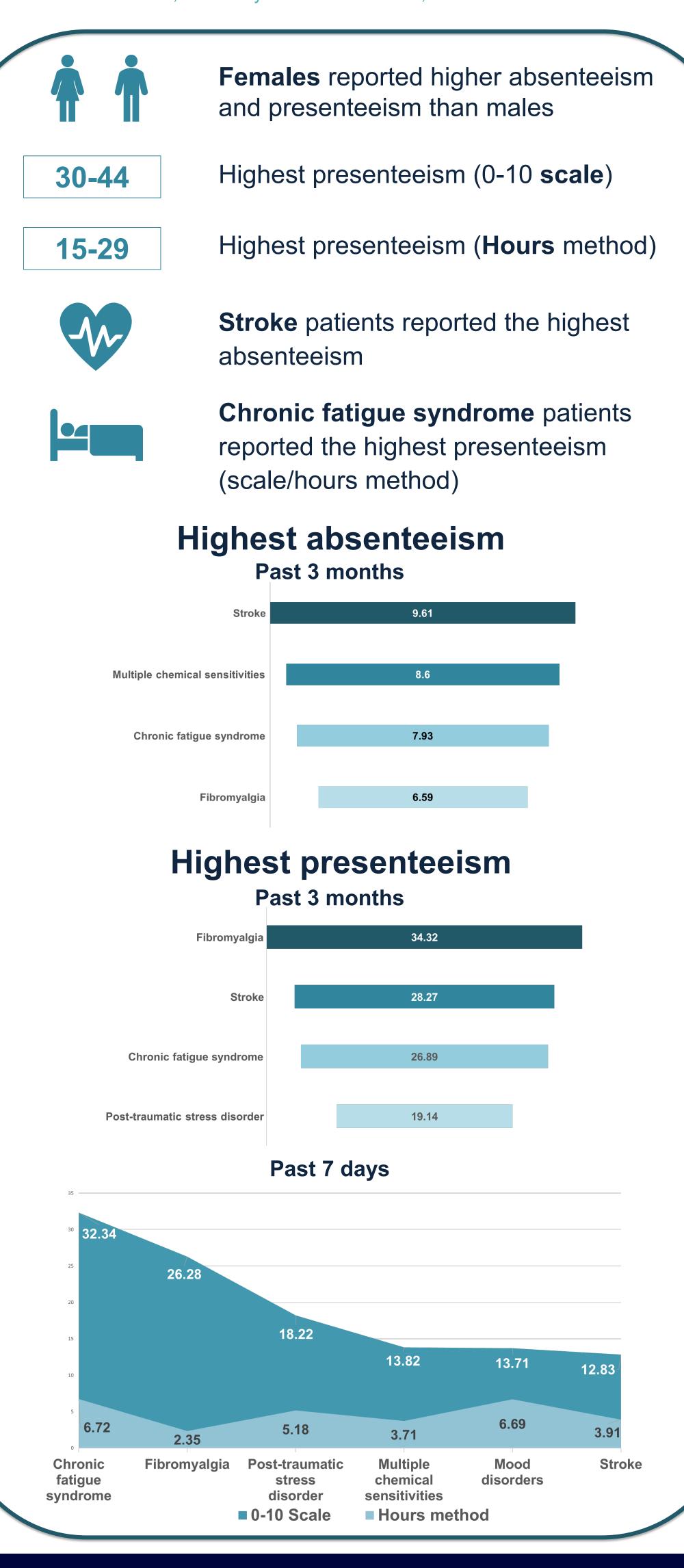
A total of 9,148 respondents were included in the analysis.

Usual Weekly Work Hours









Implications

- Work productivity loss measured using different methods and recall periods can lead to inconsistent results and interpretations.
- Mapping between presenteeism methods is needed.
- Population norms for work productivity loss can **serve as benchmarks** for the outcomes of specific individuals against those of the general population.

Limitations

Our estimates could be influenced by:

- COVID-19 pandemic
- Reporting multiple conditions at once
- Self-reported measures vs. objective measures

Conclusions

Our generated population norms for work productivity loss can be used to comprehensively evaluate the costs of health conditions and benefits of care interventions. Our research supports societal perspectives in economic evaluations.

References

Second Panel on Cost-Effectiveness in Health and Medicine. in Cost-Effectiveness in Health and Medicine (eds. Neumann, P. J., Ganiats, T. G., Russell, L. B., Sanders, G. D. & Siegel, J. E.) 0 (Oxford University Press, 2016). doi:10.1093/acprof:oso/9780190492939.002.0007.

Acknowledgements











