

# COVID-19 and Health-related Quality of Life in Alberta



**apersu**  
Alberta PROMS and EQ-5D  
Research and Support Unit

## ... in Emergency Departments

15,151 adult Albertans completed a health-related quality of life (HRQL) questionnaire called the EQ-5D-5L two weeks after visiting an emergency department (ED) in Alberta hospitals before and throughout waves 1 and 2 of the COVID-19 pandemic.

Albertans who completed this questionnaire had lower health-related quality of life compared to the average Albertan before the COVID-19 pandemic, except for pain/discomfort and anxiety/depression dimensions whereby mild-extreme problems are higher in the general population.

- Mild-extreme problems in **mobility decreased 3.7%** from pre-COVID (38.9%) to wave 2 (35.2%), which is slightly higher than the average in the general Alberta population (27.2%) before the COVID-19 pandemic.
- Mild-extreme problems in **usual activities decreased 4.1%** from pre-COVID (46.3%) to wave 2 (42.2%), which is almost double the average in the general Alberta population (26%) before the COVID-19 pandemic.
- There were very minor changes in mild-extreme problems in self-care (1.3% decrease), pain/discomfort (2.6% decrease), and anxiety/depression (0.9% increase).

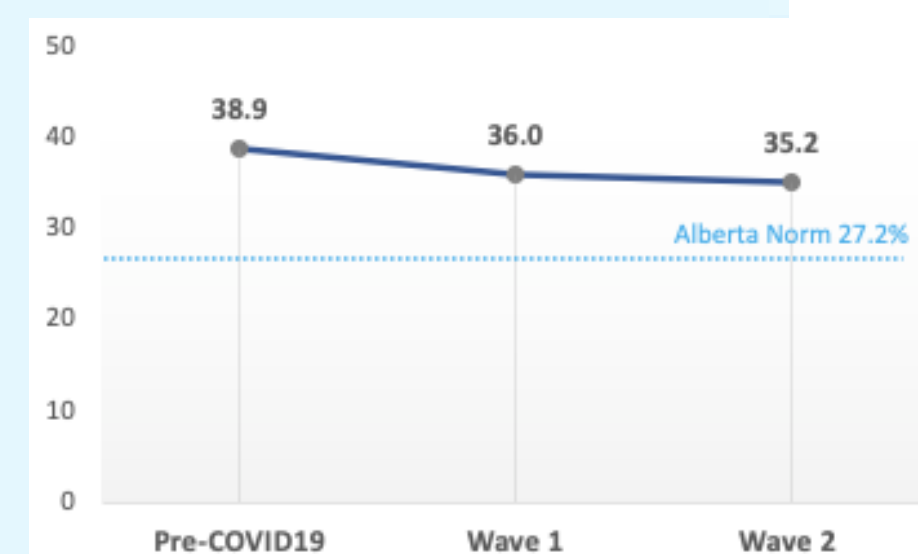
There were **no significant variations** in the impact of COVID-19 pandemic on health-related quality of life across **age, sex, and income** subgroups.

*There was a slight improvement in health-related quality of life in this population, primarily driven by small improvements in mobility and usual activities. This may be related to the nature of the COVID-19 pandemic related restrictions that limited movement and changed the nature of people's usual activities.*

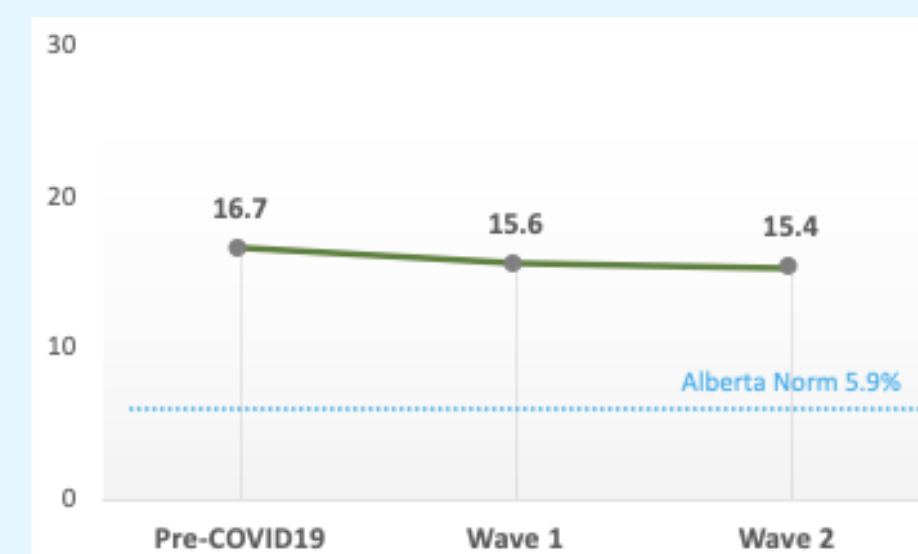
%

of mild-extreme problems in EQ-5D-5L pre-COVID and throughout waves 1 & 2

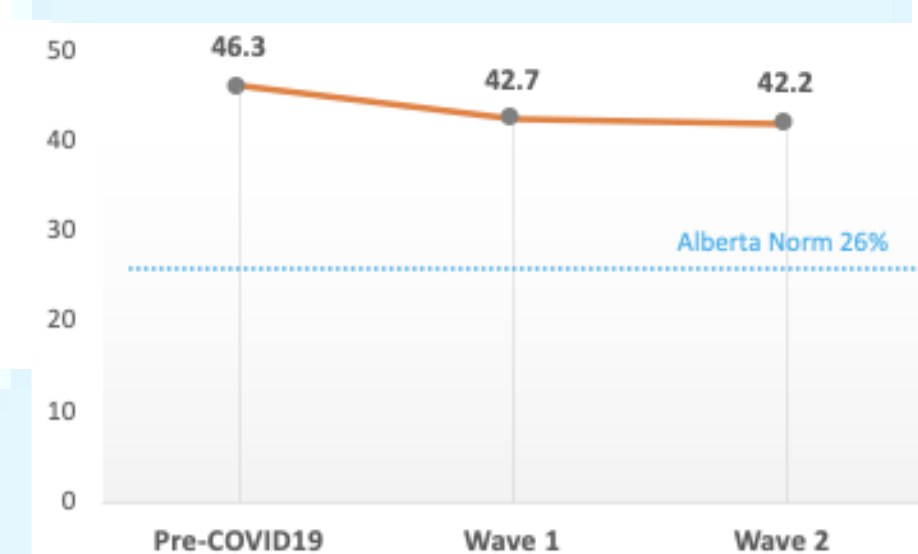
Less problems in **MOBILITY** over COVID-19 period



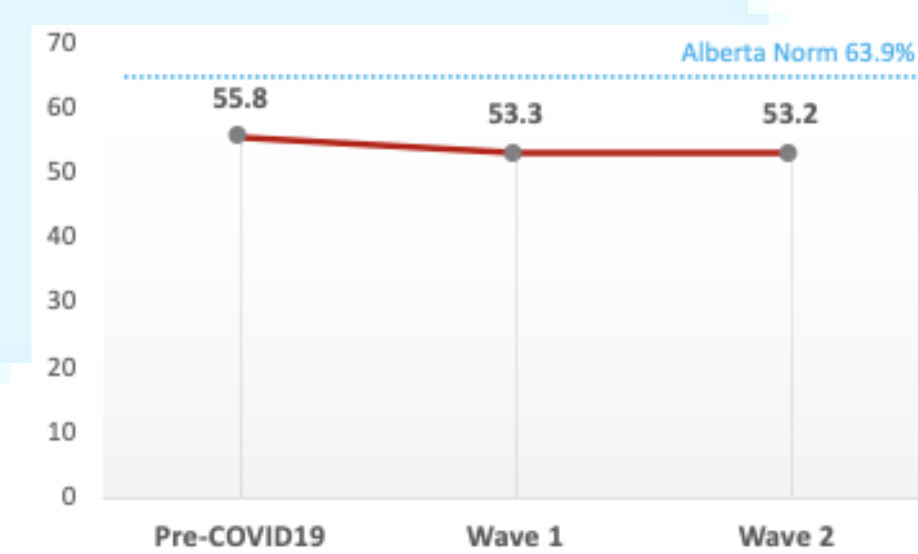
No change in **SELF-CARE** over COVID-19 period



Less problems in **USUAL ACTIVITIES** over COVID-19 period



No change in **PAIN/DISCOMFORT** over COVID-19 period



No change in **ANXIETY/DEPRESSION** over COVID-19 period

