



## OVERVIEW

Training professional and informal caregivers through new and creative approaches that are effective and accessible has become essential. CareGiVR is a **VR training platform** for caregivers allowing them to interact with virtual patients who demonstrate a wide range of emotions produced through AI and performance (motion & facial) capture.

Users can observe and experience multiple caregiver roles, and characters are recognizable and relatable to avoid loss of scenario engagement.

Through this platform, Caregivers can **practice responses** in a variety of scenarios, receive immediate **performance feedback** and repeat as necessary for ongoing iterative learning without the costs and logistical challenges of a facilitated workshop.

Self-efficacy improves resiliency in caregivers leading to improved patient-caregiver interactions, enhanced continuity of care and economic benefits for the health-care system.

## GOALS

To cause a shift in healthcare systems expenditures for dementia care through lower disability claims, lower stress-related caregiver hospitalizations, less staff turnover, and lower training costs over time.

## KEY STATISTICS

### Health impacts of caregiver stress:

- **Physical** - Cardiovascular problems, lower immunity, weaker vaccine response. More chronic conditions, doctor visits, prescriptions, decreased preventative health measures, greater likelihood of smoking, alcohol consumption and poor sleep.
- **Mental** - A robust relationship between dementia caregiving and negative effects on psychological health has been demonstrated in numerous studies. Rates of depression vary between 23% and 85% anxiety rates of between 16% and 45% in developed countries. In the developing countries psychiatric morbidity range from 40% to 75%.



Every year, there are nearly 10 million new cases. For every citizen affected by dementia, there are **one to three** caregivers, formal and informal, impacted.



Health Costs for Caregivers is **estimated to rise** to \$979,197,580 in Canada by 2038.



40% of physicians and nurses report they are experiencing **burnout** with health care workers having 1.5 times more absenteeism due to illness or disability.