

# Accelerating Innovations into CarE – Validate Program (AICE-Validate)



## Caregiver VR Validation Study

### PROJECT FAST FACTS

**RECIPIENT:** Kaleidoscope XR

**AWARD:** \$300,000

**AWARD DATE:** January 12, 2023

**PROJECT DURATION:** 16 months

## THE PROBLEM

The number of individuals aged 65+ is projected to reach 1.5 billion globally by 2050. Coinciding with this growing population will be a substantial increase in aging-related illnesses such as dementia and stroke-related disabilities. In response to this expected growth, there is an expected increase in demand for well-trained caregivers. Active hands-on learning is the preferred approach for training caregivers. Several challenges such as a lack of funding and a shortage of educators interferes with the ability to execute on this training to meet the growing need.

## THE SOLUTION

Kaleidoscope XR has developed Caregiver VR, a virtual reality/desktop platform that enables live simulations between clinical nurse educators and trainees role-playing as caregivers and patients in front of a virtual classroom. Through live role-playing in VR, caregivers are given an active hands-on approach to learning key skills such as de-escalating difficult patients, all in a dynamic learning environment that presents a limitless number of scenarios. The Caregiver VR platform also helps caregivers practice communication with – and experience the world from the perspective of – those experiencing dementia and aging.

## PROJECT OBJECTIVES

*Kaleidoscope XR is working to reach the following objectives:*

- 1. Validation study on effectiveness of the Caregiver VR platform and the corresponding VR dementia module with nursing staff.*
- 2. Use feedback from study to refine and improve the Caregiver VR platform.*
- 3. Use validation results and findings to support future adoption of the Caregiver VR platform.*

## ABOUT THE AICE-VALIDATE PROGRAM

*AICE-Validate is an opportunity for Alberta's health-tech innovators to accelerate commercialization of digital and data-enabled health technologies through the early validation phase. If you'd like to learn more, please check out [AICE Validate on the Alberta Innovates website](#).*

*Learn how*

**albertainnovates.ca**