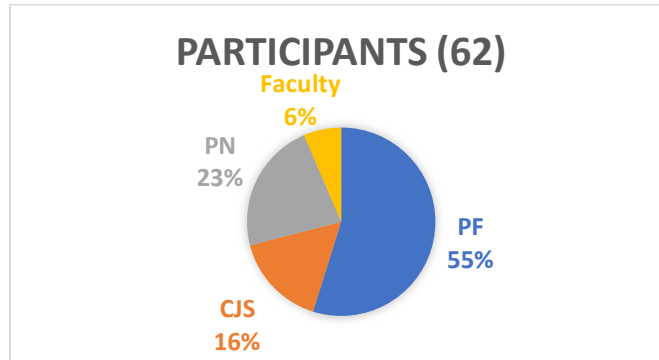**De-Escalation and Situational Awareness in a Home Setting**
Pilot Project Review Statistic

An opportunity to pilot a draft version of our virtual gaming simulation (VGS) was offered to students and faculty at Fleming College. Volunteer students, faculty, and external consultants were asked to provide feedback related to ease of use, accessibility, and preparation resources.

Pilot Project Sample

Our pilot project sample consisted of 62 participants total: 4 faculty members within the School of Health and Community Services, 34 police foundations students, 14 practical nursing students, 10 community and justice services students.
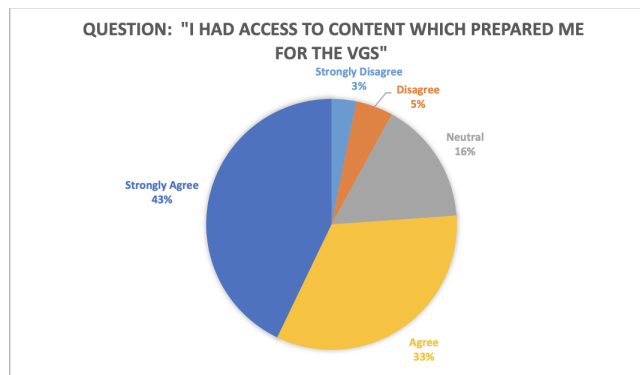Informal feedback was also received from 4 other faculty members within the School of Health and Community Services. Their feedback was considered when final adaptations were being made to the project.

Preparation

Participants were asked whether they felt they had access to content which prepared them to engage with the simulation. 44% of participants indicated they strongly agree; 32% agreed, 17% felt indifferent and 7% disagreed or strongly disagreed.
Based on this feedback, the beginning of the simulation was revised to include clear instructions, background information and content warnings.
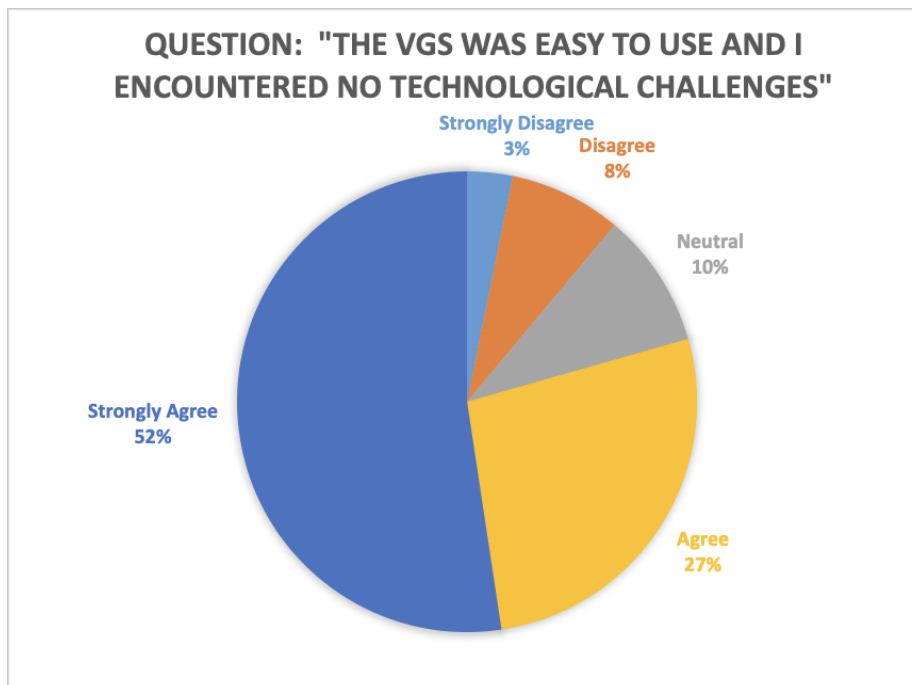
Ease of Use

Participants were asked for feedback regarding the statement: The simulation was easy to use, and I encountered no technical issues. 52% of participants strongly agreed with this statement; 27% agreed; 10% were neutral and 11% strongly disagreed or disagreed.
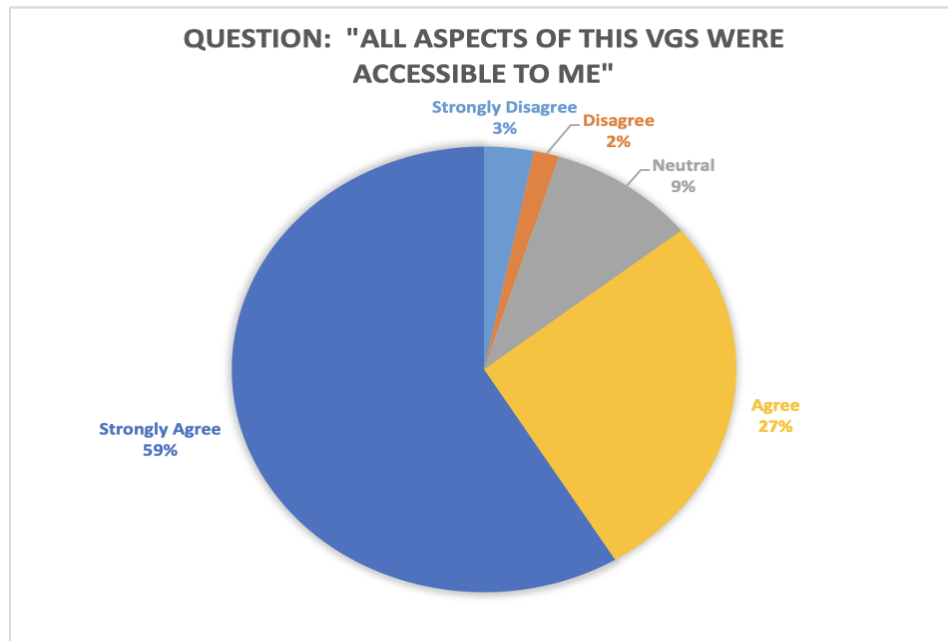
Anecdotally, users articulated that they faced "errors" which was the result of editing that needed to be completed. Others stated that they were unable to access the videos on mobile devices. As a result, consultation occurred with Affinity regarding the use of the simulation on mobile devices. 360 videos were resized and no longer need to be housed in Vimeo, making this accessible to users from their mobile devices

Several comments were also made regarding concerns about the "flow of video". As a result, several videos were spliced together to establish smoother continuity of the videos.

QUESTION: "THE VGS WAS EASY TO USE AND I ENCOUNTERED NO TECHNOLOGICAL CHALLENGES"

- Strongly Disagree 3%
- Disagree 8%
- Neutral 10%
- Agree 27%
- Strongly Agree 52%

Accessibility

Participants were asked to respond to the statement: All aspects of this simulation were accessible to me. 59% of participants strongly agreed; 27% agreed; 9% were neutral and 5% disagreed or strongly disagreed.

Accessibility Audit

A formal accessibility audit was conducted by AodaOnline and is included within the submission folder. We have done our due diligence to respond to the items that are within our control:

Contrast Issues
- Yellow text removed
- Red text removed
- Hot Spot outlines have been changed to neutral blue to avoid using colour to indicate right/wrong answers
- Affinity Learning notified about white text on green buttons as a contrast issue

Alt Text
- All still images have alt text included
- All 360 videos and images now have alt text included

Correct/Incorrect Icons
- All feedback that uses check mark or "x"s to indicate correct and incorrect now have the word "correct" or "incorrect" associated with them in the feedback

Affinity's Response

Affinity was very responsive in addressing the issues outlined in the AodaOnline accessibility audit. The following changes were made:

- Added screen-reader label to "unexplored" button icons.
- Improved window title of reviewer and learner sessions to include scenario name.
- Added screen reader labels to buttons that have icons only.
- Removed empty/non-text h5 headings.
- Textarea with placeholder "Enter a suggestion or some feedback" does not have a proper label.
- Div containing aria-labelledby="dropdownMenuButton" does not match any id attribute value of any element on the page.
- Textarea with placeholder "Type a comment about this screen" does not have a proper label.
- Link with ID "authorDropdown" does not have text describing purpose.
- Label with "Learner response text area input" does not have a connected form element.
- Textarea with placeholder "Type your response here" does not have a connected label.
- Add screen reader label to checkmark and x-mark in hotspots and buttons pop-ups.
- An image was found that is not being used aside from tracking/spacing and should have alt="" to be ignored by screen readers.
- White text on green buttons was reassessed and found to meet contrast standards

Program

Participants were asked if they felt that the simulation would be useful for their specific program. 48% of students strongly agreed, 32% agreed, 14% were indifferent and 6% disagreed. In retrospect, an increased test group in a variety of programs could have provided a better idea of usefulness in programs.