

htroduction

During hospice care, patients, nurses, and caregivers all have varying concerns and degrees of stress during the care timeline. Caregivers can get caught up in managing patient's forget critical information, resulting in major burdens on ones mental health and a patient's overall health.¹

The Ojos Project attempts to solve those and related issues with a central hub for care instructions, medication logs, etc, comprised of two systems:

• Iris, an open-source hospice management software system Palliaview: a monitoring device to check-up, track and observe your loved one from

log from the

database

button

anywhere

Software Used: Linux, Python, GTK



message

Ojos Project

Members: Carlos Valdez, Joseph Sweatt, Ayush Jain, Meadow Rubalcava, Kristopher Doan, Jesse David, Jason Martin Faculty Advisor: Mark S. Baldwin

Literature Review

- condition²
- COVID restrictions¹
- Interviews

Results

Component Diagram • From our findings we chose to have our prototype monitoring Iris Lite system utilizes: **Device Screen** container: React Native] • Raspberry Pi 4B 10in touchscreen display Auth Controller - Makes APi calls - Reserve power supply Verifies the user 1080p One-way Camera with audio Based on the physical **Notification Component** Meds Controller Communicates with mobile Deals with adding, deleting nd modifying medication notification systems to capabilities of patients our send notifications data (object?) design goals include: Ergonomic and lightweight system under 5lbs Apple/Android Notification Servers _ _ _ _ _ Multiple mounting options and adjustable kickstands for user ease • Sterile shell material Flowchart 'Confirm" or "Cancel" Camera Module Notification text sent with mic to their phone Cancel butto number using external API Closes the form 10" Display with touchscreen End



Methods

 Previous attempts resulted in success stories • Patients found it interesting and got a deeper understanding of their

Caregivers were able to video call their loved ones during the era of

• We interviewed 6 former caregivers and healthcare professionals • Problems reported by caregivers: Difficulty remembering medications Staff not properly taking care of patient

Paliaview (Pal-la-view)



Circuit Component Diagram





UC Donald Bren School of Information & Computer Sciences

Findings

- From our interview we found that **75%** of the former caregivers recognize an anxiety from having to leave their loved ones.
- "Quality of passing for the patient passing is a fact of life so we need to do the best we can do for the patient when that fact of life happens." Social Worker Interviewee #6
- We also found that all the interviewees wanted or recommended the the use of Patient Recorded Outcomes (P.R.Os).



Support Care Cancer. 2012 Jan;20(1):167-74. doi: 10.1007/s00520-011-1086-z. Epub 2011 Jan 16. PMID: 21240650.