



Innovations in Caregiving: The Healthy Aging Challenge

Agenda

- Overview of Healthy Aging Challenge
- Presentations from Challenge Winners
 - *Artifcts*
 - *Enabled Health*
 - *MiiCare*
 - *Onward*
- Panel Discussion
- Q & A

Sandbox Challenge Program

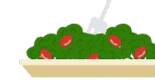
Program Goal:

Identify and support digital health companies with solutions that address key healthcare challenges in Massachusetts



Challenge #1: Solutions for Healthy Aging

Challenge Launch	December 2022
Application Deadline	February 24, 2023
Finalists Selected	March 24, 2023
Virtual Speaker Series	April – June 2023
Pitch Prep	June 2023
Final Pitch Event	June 28, 2023



Addressing the **transportation, housing, and food security** barriers that impact older adults' health and access to care



Solutions for the **40%** of older adults who report **trouble with mobility**.



Medication management and adherence solutions for the nearly **90%** of older adults who are currently taking **prescription medication**.



Support for older adults with **cognitive impairment**, including the **6.5 million** Americans with **Alzheimer's** disease.

Speaker Introductions



Heather Nickerson, Artifcts



Thomas Fu, Enabled Health



John Wall, MiiCare



Kim Petty, Onward



Where 'stuff' and stories meet.

Where 'stuff' and stories meet.

Violet

MACHINES
FOR
FREEDOM

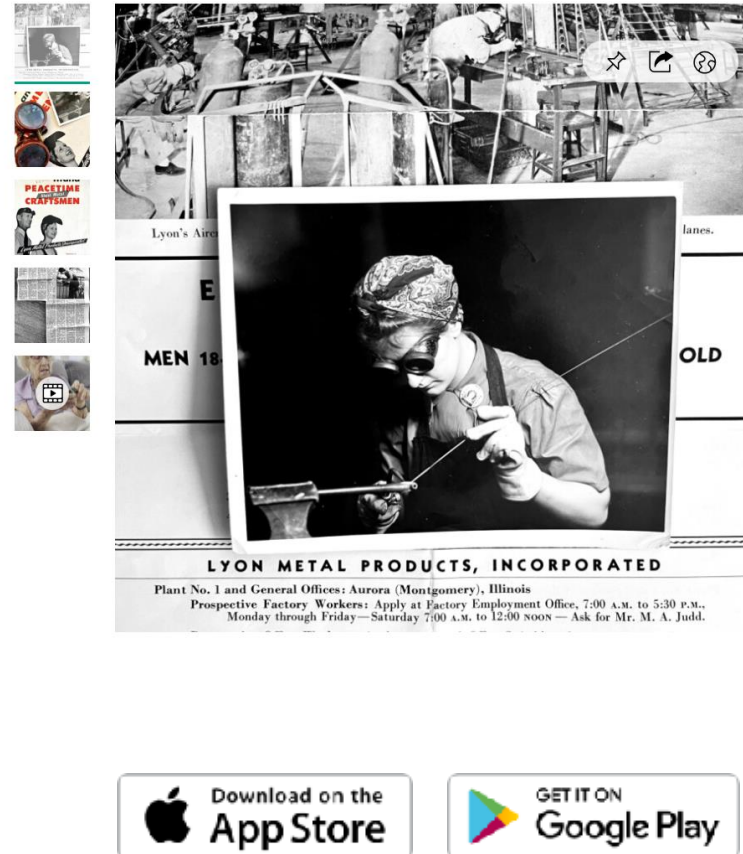
The Reality Today



Introducing Artifcts!

A patented mobile and web based platform to preserve your history, tell your story, and build your legacy, one object at a time.

Bonus! It's fun, easy to use, and fully exportable to insurance and estate plans.



Muriel the Welder

@egoody Unfollow

Young, single, 20-year-old Muriel used to see men come in and out of her family's grocery store and hear them discussing a little welding school they attended within Lyon Metal Products, Inc., in Montgomery, Illinois. "It was war time; my parents had no money to send me to school. Everyone was trying to survive." So, one day, ...

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[Militaria: Other militaria](#)

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[DETAILS](#)



Sandbox Project

Pilot study to confirm the feasibility of using Artifcts as a digital screening tool for mild cognitive impairment and dementia.

- Budget: \$49,407
- Duration: 12 Months
- Resources: 100 participants; UMass Chan Medical's predictive ML model

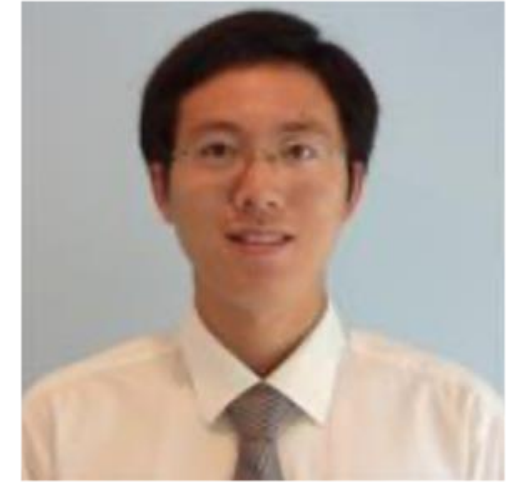


Sandbox Project Impact

- Innovative digital health screening tool for MCI and AD
- Furthers UMass Chan Medical's research in non-invasive diagnostic screening
- Enables SBIR grant application with UMass Chan Medical
- Long term—earlier diagnosis of MCI to slow progression and treat



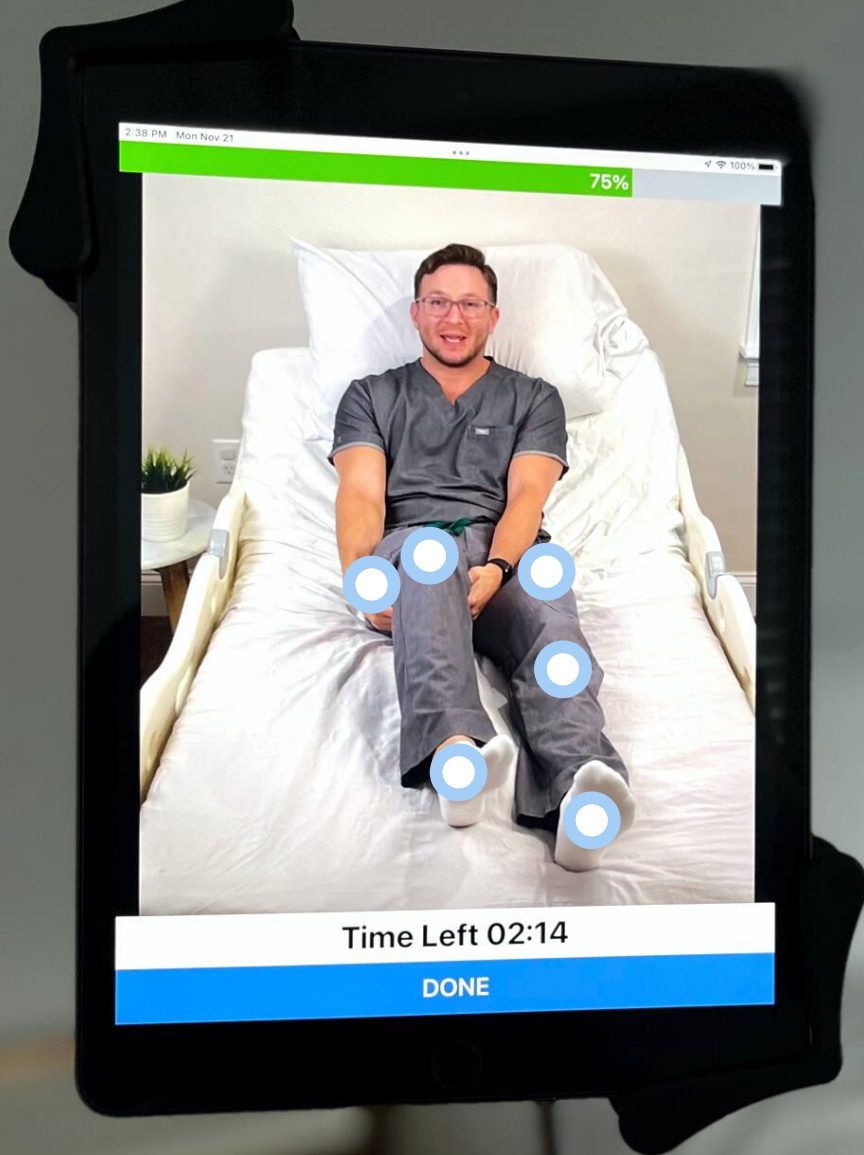
Dr. Nate Hafer



Honghuang Lin, PhD.

“We believe this project is important ... to create a new product ... for non-invasive, scalable, and cost-effective digital health screening for ... MCI and AD.”





"Peloton for patients"

Enabled Health is a workforce automation solution for hospitals that uses AI-physical therapy to accelerate patient recovery and get them home.

Hospital Deconditioning

changes patients lives.



83%

Time in bed



25%

Strength loss

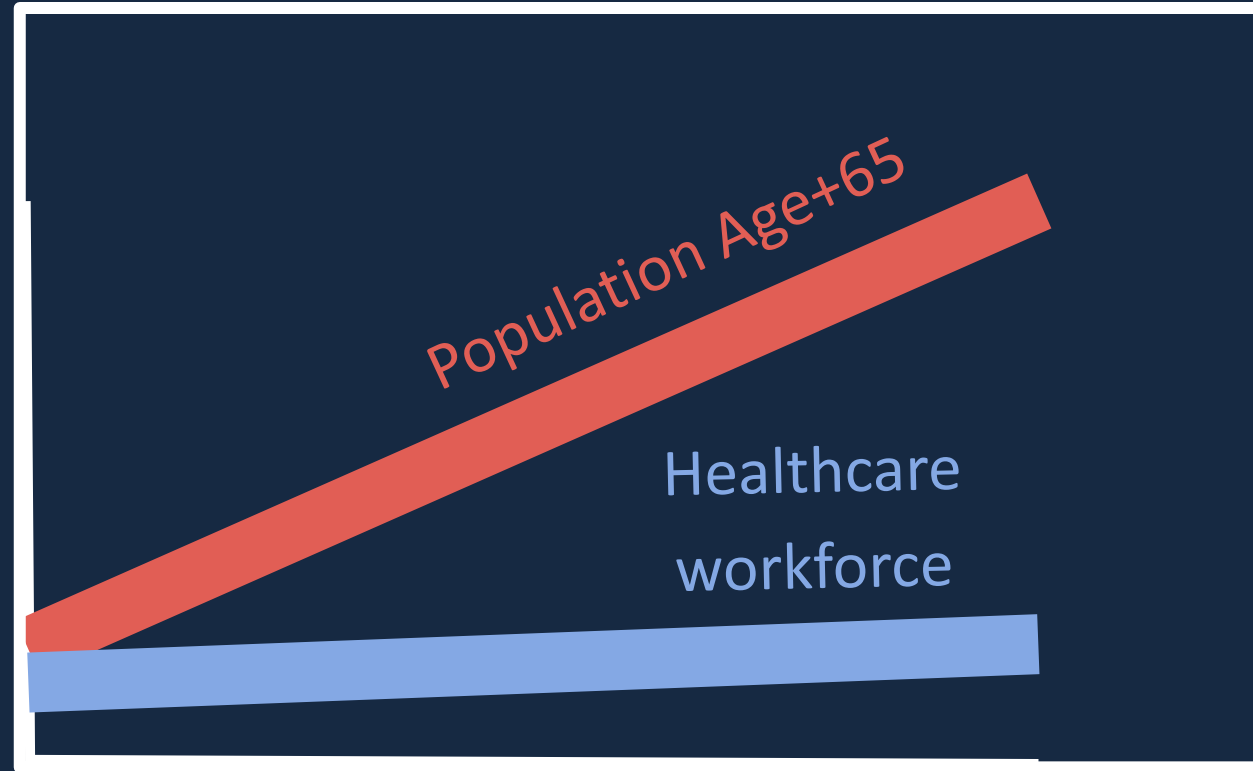


67%

Lose function



Problem



Future mobility crisis



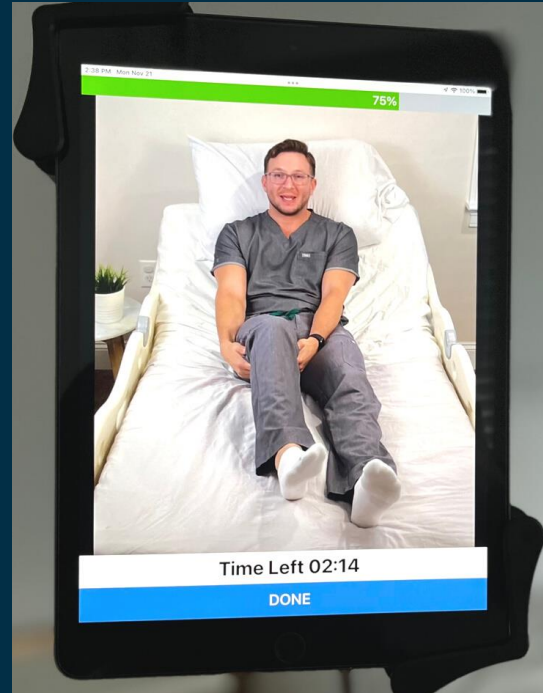
No scalable solution in sight

Solution

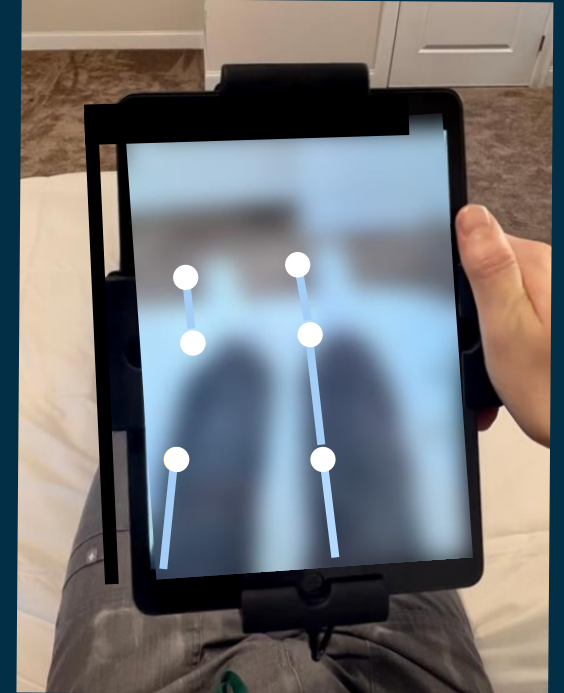
"Peloton for patients"



- Scalable to EVERY patient
- No staff required



- Designed by PTs
- Automated by A.I.



- Motion capture
- Machine learning

For every setting



Hospital



Rehab
SNF



Home

The Result



Home

- Autonomy
- Comfort
- Familiarity
- Freedom



Health

- Energy
- Strength
- Mobility
- Less falls



Social

- Activities
- Family/Friends
- Community
- Meaning

The Team

Deep experience across medicine, business, & technology



Thomas Fu, MD/MBA

CEO

ER Doctor, MD/MBA



Joe Laws

CTO

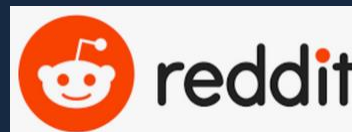
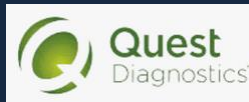
Principal Engineer/Former Trainer



Matt Bevilacqua, DPT

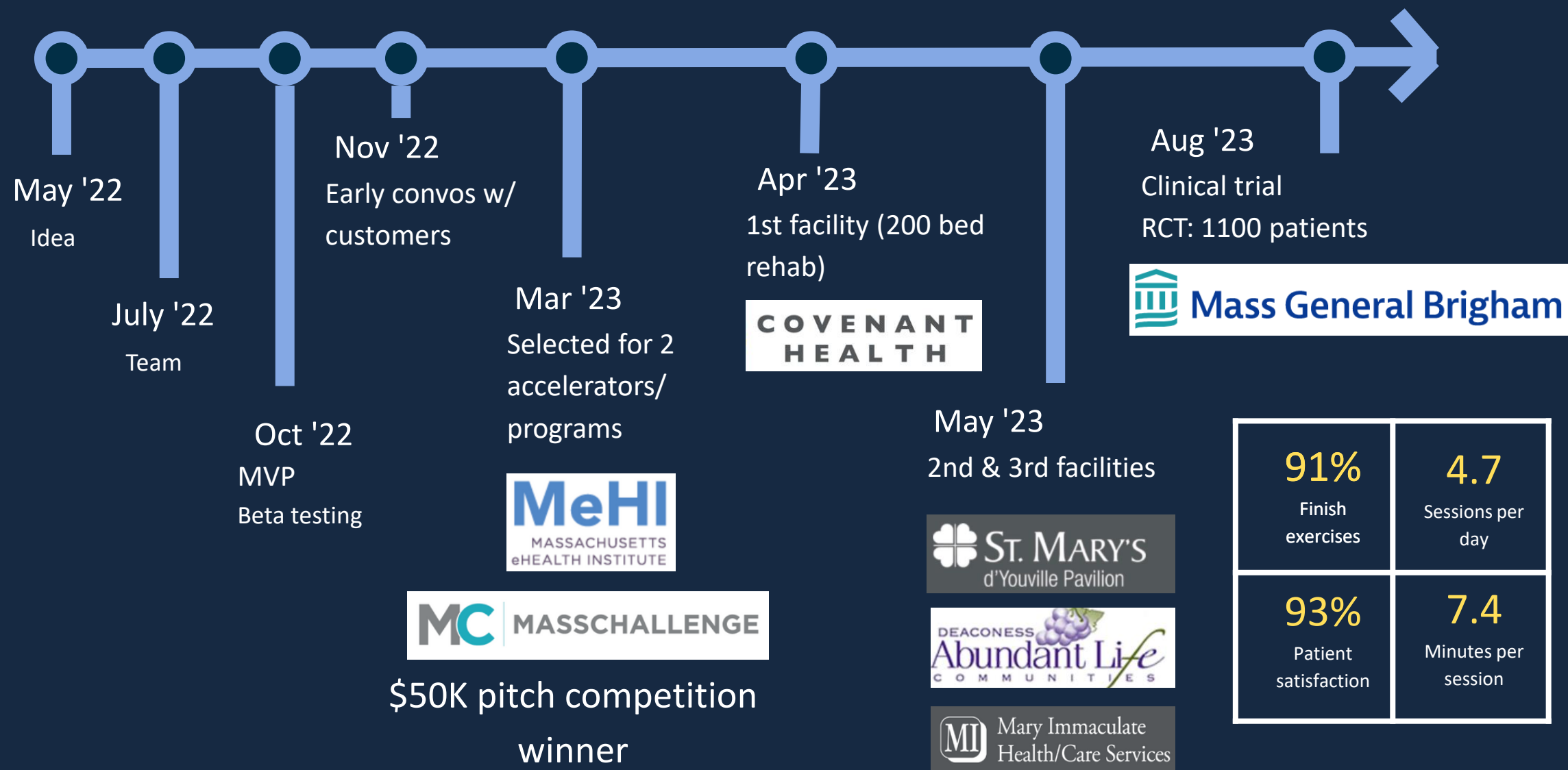
CMO

Physical Therapist/Strength Coach



Traction

MVP to MGH, 3 health systems in 7 months





Getting patients home.



The platform extending health span at home with preventative AI

John Wall

Co-Founder & Head of Engineering
john@miicare.com





The background of the image is a black and white photograph of a person lying face down on a carpeted floor. The person's head is turned to the right, and their arms are extended forward. The image is out of focus, emphasizing the text overlay.

EVERY 1 SECOND



“Fills the need for whatever is lacking that would allow me to age at home, ie monitoring my health, giving me reminders, etc.” 1 of 200 50+ surveyed by MiiCare+AARP 4/23

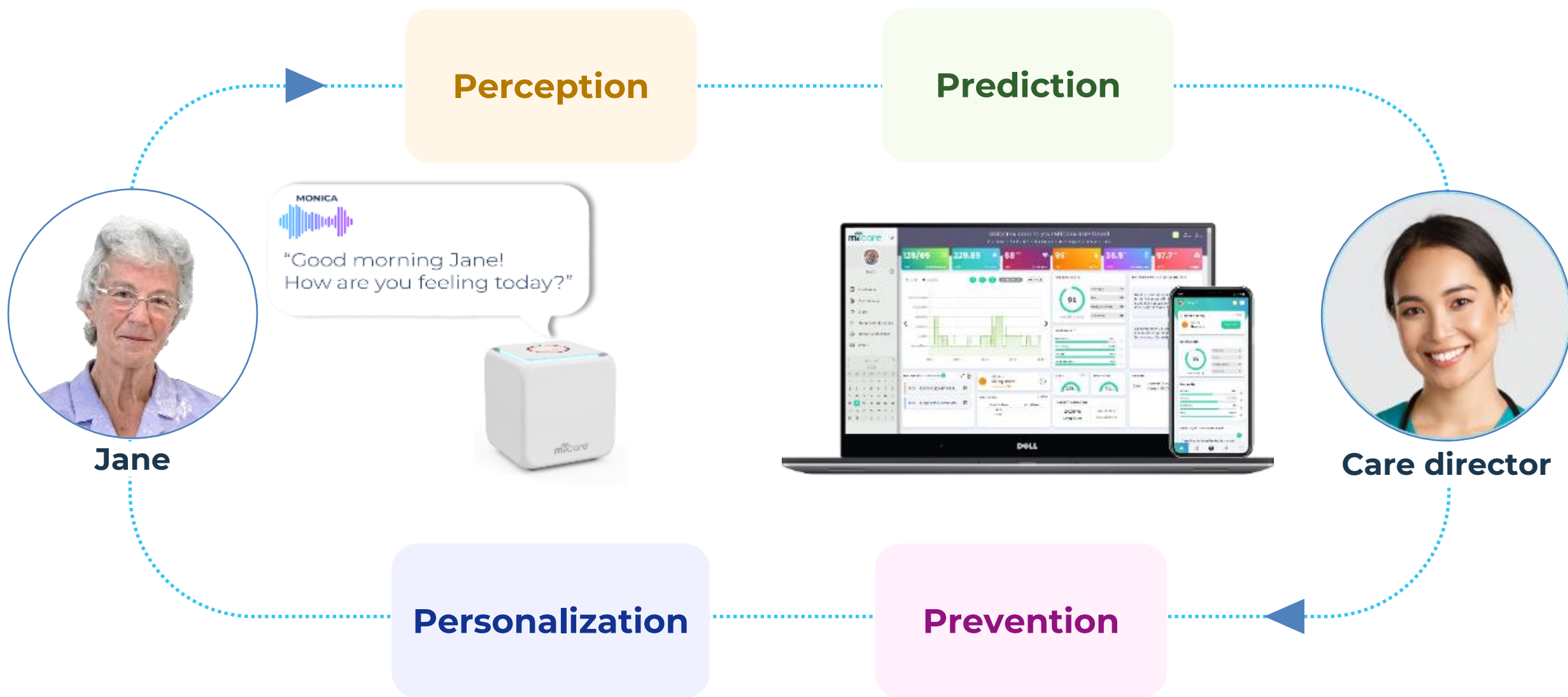


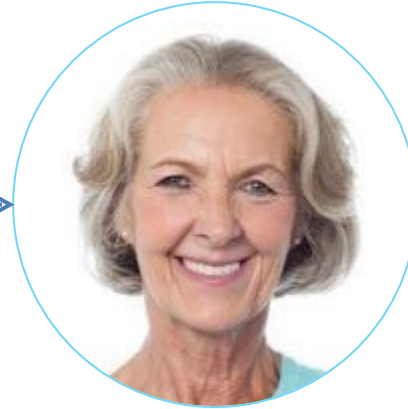
miiCare

“The service seeks to identify...social determinants of health in order to reduce future unplanned hospital readmissions”

Sodexo Onward Care service, powered by MiiCare

sodexo
HEALTH & CARE





**Optimize
workforce**



50%

Reduction in
home visits

**Reduce care
costs**



53%

Reduction in
care delivery costs

**Maximize
engagement**



52%

Conversational AI
response rate

**Prevent health
decline**



87%

Reduction in
Sodexo's ED day rate



powered by 



**Social
companion**



**Personal
therapy**



**Early
warnings**

**Medicine
adherence**



**Hydration
adherence**



**SOS
capability**





powered by



**Optimize care
package assessment
and delivery**

**Empower resident
independence and
experience**

**Localize and
measure Monica's
engagement**

15x



4

**Primary/post
acute care
providers (NHS)**

22

Municipalities

10

**Private home
care providers**

**6.5m hours of care
and 1bn datapoints**

**1 patent granted and
8 trade secrets**

**US partnership and
expansion in
Massachusetts**



Don't just **LEAVE** a legacy, **LIVE** a legacy

Kelvin Summoogum
CEO, MiiCare

**On a mission to extend the
health span of 1 billion lives by 2030.**

John Wall (Co-Founder & Head of Engineering) - US

miicare.com





Onward

Problem: Lack of Easy, Reliable Transport to Healthcare Appointments causes 5.8M People Delay Care Annually

1.4B Rides provided by caregivers in 2009 (AARP)

40% of older and disabled adults rely on friends, family for rides

80% of caregivers list coordinating transport as a primary duty it is the #1 type of support provided

28% of caregivers said providing transportation to a loved one is overwhelming

Onward Companion Rides

Door-Through-Door service with a Companion Driver ensures seniors arrive safely at their destination and home again.

Companions provide extra support for:

- Entering and exiting the vehicle
- Folding walkers and wheelchairs
- Accompanying riders to appointments
- Consistent companion matching enables understanding of rider needs

Who rides with us:

- Adult day and PACE program participants
- Patients going to dialysis 3x a week
- Post treatment and procedural patients
- Individuals who qualify for paratransit services
- Anyone requiring assistance with activities of daily living

The Onward Experience



"I told my drivers that I have mobility issues and after explaining it once, they got it. Now, they're always there. They'll put my seatbelt on, make sure I'm okay, and as soon as I'm ready, we just start talking like friends do." - Patti Ann

"Our partnership with Onward is important because we're building trust and rapport within the LGBTQ+ senior community and the consistency of paired riders and drivers helps us do that." - Program Manager

Driving Access to Care



**SAN MATEO
COUNTY HEALTH**
All together better.

San Francisco VA
Health Care System



Increasing
colonoscopy
screening rates and
access.

Ensuring dialysis
patients adhere to
care, reducing ER
visits.

Increase completion
rates for Annual
Wellness Visits.

*"The companion rides have been **a gamechanger for out patients who do not have social supports**, so I am very grateful for this service." - San Mateo Health Social Worker*

Purpose Driven: Who are Companion Drivers



"At this point, Mr. [Smith] says, I am stuck with him forever. So as my business is coming back, I work my schedule around getting Mr. [Smith]."

- Jessica



"I learned a lot of new things and made new friends. I had one teach me about the stock market, one about Jazz, I thought I hated Jazz, but now I love it... this I love." - Bill



"I started with Onward in July 2020, it has been quite an amazing experience being a companion for these riders, I have made lots of friends. When I pick them up, they tell me how happy they are I am the one picking them up."

- Rigo



"When COVID hit I was driving for Lyft, and my wife and I stopped immediately, and I will never go back to the hustle. This was about connecting with seniors. I just enjoy it, it is the best job I have ever had." - Norbert (Rusty)

Kim Petty, CEO

kim.petty@onwardrides.com

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Panel Discussion

Questions

Questions?