

HIMSS19 CHAMPIONS OF HEALTH UNITE

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Promoting Quality of Aging: Technological Innovations in Memory Care

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DISCLAIMER: The views and opinions expressed in this presentation are those of the author and do not necessarily represent official policy or position of HIMSS.

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Conflict of Interest

Sheri Rose, B.A., M.Ed.

Has no real or apparent conflicts of interest to report.



Agenda

- Thrive Center Vision & Pillars
- Dementia Trends & Statistics
- Personal Reflection
- Innovative Solutions in Memory Care



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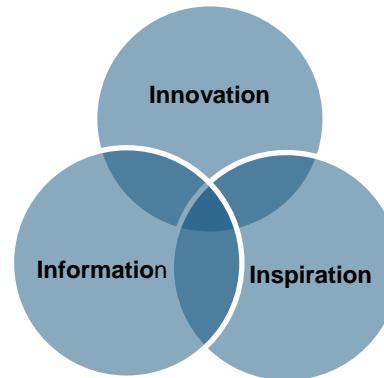
Learning Objectives

- Discuss what technology trends are re-imagining the care of those with dementia or Alzheimer's disease
- Explain the array of technology supporting memory care staff, caregivers and family
- Identify the growing opportunities to innovate memory care with technology



Thrive Center Vision & Pillars

- **VISION:**
 - A collaborative intersection of caregivers, entrepreneurs, researchers, investors and consumers accelerating innovative solutions in aging
- **PILLARS:**



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Tracking the Trends on Dementia

- Dementia – Alzheimer's is most common form (60-80% of documented cases)
- Alzheimer's Statistics (U.S.)
 - Every 65 seconds someone develops disease
 - 5.7 Million Americans living with disease
 - By 2050 nearly 14 Million will develop disease
 - Almost 2/3 of Americans with Alzheimer's are women
 - African Americans twice as likely as whites to have disease
 - Hispanics 1.5 times as likely as whites to have disease
- Dementia cost in 2018 was \$277 Billion



Caring for the Caregiver

- 44 Million unpaid caregivers in the U.S.
 - Nearly half provide care for dementia
 - 2/3 of caregivers are women
 - Over 1/3 of dementia caregivers are daughters
- Impact on the caregiver
 - 70% of lifetime cost for dementia is borne by families
 - Twice as many caregivers for dementia indicate substantial difficulties
 - Emotional
 - Financial
 - Physical



INNOVATIVE SOLUTIONS

Music & Memory



INNOVATIVE SOLUTIONS

Virtual Reality



INNOVATIVE SOLUTIONS

Brain Exercises



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Can Innovation Make a Difference?

“God gives us two ends to use.
On one we sit, with one we muse.
Success depends on which you choose.
Heads you win.
Tails you lose.”



Questions

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Please remember to complete the online session evaluation



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embodied
labs



From Safety Goggles
to Virtual Reality Headsets





H
HISTORY
NOW



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Transform the way you care.

WHAT WE DO

Embodied Labs creates meaningful virtual reality experiences as a learning tool to **give professional and family caregivers insight** that changes the way they view and provide care for our elders.



Experience moments that matter.

Viewers experience virtual reality stories **written and inspired by professional and family caregivers like you** to answer questions and form conversations about what your loved one or resident experiences.



THE ALFRED LAB: Hearing & Vision Loss

THE BEATRIZ LAB: Alzheimer's Disease

THE CLAY LAB: End of Life Decisions

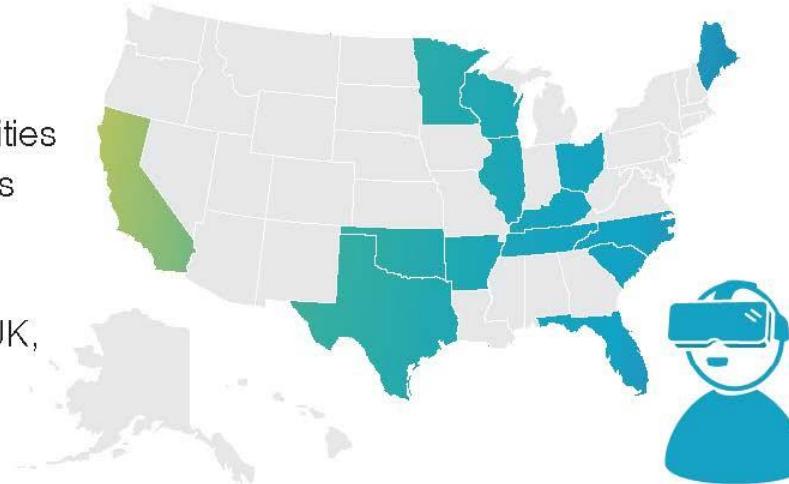
THE DANI LAB: Lewy Body Dementia (2019)



Gain perspective, join the movement.

RIGHT NOW

- Long-term care facilities
- Home health facilities
- Hospital systems
- Academic libraries
- Located in the US, UK, Ireland & Australia



THE FUTURE

- Public libraries
- Community centers
- VR is widely adopted & available directly to caregivers everywhere

With **2000** care partners, **14** states, and **4** countries, Embodied Labs has helped:



Ageism and negative stereotyping



Understanding of conditions that impact our elders



Care practices across the globe



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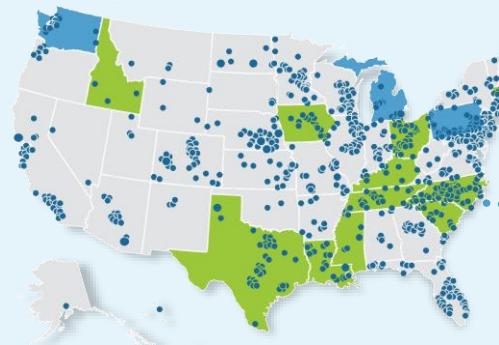
History of iN2L

19 YEARS
of business experience



FOUNDED ON THE BELIEF

That elders should have an expectation to stay
meaningfully engaged



2500+

Senior Living
Communities

In all
50
STATES



284K
Total rehab visits



5,090,227
Hours of use last year, by
294K active users



97%
Of customers
continue to use
iN2L

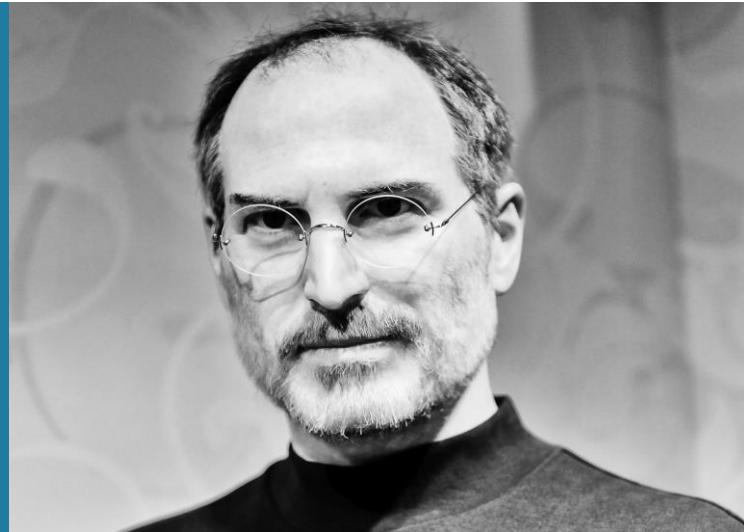


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Technology in Memory Care

“

Technology
is nothing.



Innovation

The innovation recipe: **touch + content**, designed so that anyone can pick it up and find something to engage them, whether in groups, with individuals, or for staff to resolve unmet resident needs.



Engagement technology benefits residents, staff, family members and more

- **Staff Benefits:** More than 4000 piece content library at one's fingertips.
- **Family Benefits:** Improves the quality of the interaction when they're present and can combat loneliness when away.
- Increase in therapy participation.



Proven results in memory care to reduce the need for PRN antipsychotics and improve mood

- **50% Fewer** residents requiring PRN antipsychotics.
- **20% Reduction** in the total number of doses given to all residents with PRN psychotic medications.
- **Mood Improved of 69%** between pre/post sessions for a memory care unit.



Engagement

Person-environment fit:

As we age, it becomes more difficult to attain an optimal person-environment fit.

Person-based engagement technology:

Allows senior living residents with diverse backgrounds and personal histories to stay engaged by:

- Allowing activities and rehab professionals to focus on their interests, needs and strengths
- Encouraging self-expression, creativity and continued personal development



Quality of Life

Strength-Based Approach

Residents undergoing physical and cognitive decline often lack opportunities for success.

Technology allows senior living professionals to improve the quality of life and care of their residents in their care by:

- Focusing on their remaining strengths, improving self-esteem and confidence.
- Reducing isolation, depression, boredom and loneliness.
- Fostering better relationships through individualized interactions.



Connection

Preferred View

In our introspections and stories about ourselves we hold a preferred view of the self—how we wish or prefer to be seen by others.

Person-centered engagement technology that is fun to use allows older adults to:

- Reconnect with a sense of self that is empowering.
- Encompasses all the dimensions of personhood—mind, body and spirit.



"I was sitting with an elder, who is easily anxious and is hard to redirect. I pulled up the Jackson Pollock Painting page and I showed him how to use the screen to paint, and his eyes lit up with every stroke he put on the screen. It is something that still calms him down to this day."

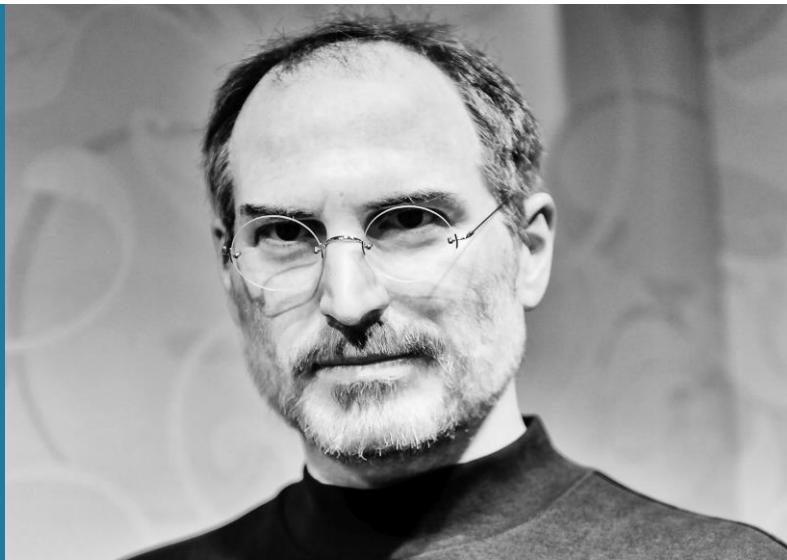
*– Ashley Rice Claire Bridge
Program Coordinator*



Technology in Memory Care

“

Technology is nothing.
What's important is that
you have faith in people,
that they're basically
good and smart, and if
you give them tools,
they'll do wonderful
things with them.



It's Never 2 Late
dignity through technology

