LTC Tech Summit

Keynote #2: Roadmap to Tech-Enabled Aging

SOA Antitrust Compliance Guidelines
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Roadmap to Tech-Enabled Aging

Speaker: Laurie Orlov
Aging in Place Technology Watch

Moderator: John O’Leary
President, O’Leary Marketing Associates LLC

LTC TECH SUMMIT
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Technology and Older Adults
2019: What’s Now and What’s Next?

Laurie M. Orlov, Presenter
Aging in Place Technology Watch
Four aging in place technology categories

Communication
- Email, Chat, Games, Video, Cell phone, Smart phone, Text, Tablets, Smart speakers, Voice assistants

Engagement
- mHealth apps, Telehealth, Medication mgmt, Disease mgmt, Fitness/trackers, Wearables

Safety and Security
- Security, mPERS, Webcam, Fall detection, Home and Inactivity monitor

Health and Wellness
- mHealth apps, Telehealth, Medication mgmt, Disease mgmt, Fitness/trackers, Wearables

Learning and Contribution
- Legacy, Education and Learning, Volunteering, Financial wellness

Caregivers
What is ‘Voice First’ and why does it matter?

- Seniors can speak to devices and hear response
- Alexa is on 100 million devices, Google Assistant on 500 billion
- By end of 2018, 30% of interactions with technology were through ‘conversations’, 50% by 2020
- Already established as primary interaction in new cars (Apple CarPlay, Android Auto)
- Voice is a fit for seniors with dementia
- LifePod offers a proactive conversation with seniors
What is ‘Voice First’ and why does it matter?

- Instantly answers questions, like “what day is it?” or “what time is it?” — it’s a machine, so it will never get annoyed or frustrated
- Plays music and read audiobooks and the news — no need to fuss with complicated controls
- Tells fun jokes and riddles
- Looks up information about anything — like, “what’s playing on TV tonight?” “Call my daughter”
- Reports traffic and weather
- Mitigates social isolation
Examples – Voice First

Amazon Echo

Google Home

Alexa Calling

“Alexa, play The Beatles.”

Echo Show

Siri and Apple

Orbita Health

Marvee

LIFEPOD
The medical transportation ride

- Journal of community health study: 25% of appointments missed
- Circulation – Boston-based app
- MedStar Health – Widget on website for Uber
- CareMore saved $1 million/year partnering with Lyft
- RideNCare – uses certified health professionals to transport senior patients
- Kaizen Health
- Uber Health

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Wearables Examples

- Lively Wearable (GreatCall)
- Limmex Security Watch (Multiple dealers)
- Freeus Belle (multiple Dealers)
- Numera Libris (multiple Dealers)
- MobileHelp Solo (Multiple dealers)
- Philips Wearable
- iTraq Location tracking
- GoSafe AutoAlert
- Anelto mPERS
- AliveCor Portable EKG
- Lok8u

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New as of 2019

- UnaliWear
- MobileHelp Smart
- CarePredict Tempo
- FallSafetyApp (Apple Watch)
- Contextual Activity Analysis
- Freeus Belle (multiple Dealers)
- Apple Watch
- Withings Move (ECG)
- Welt Belt

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What’s changed in wearables for seniors?

- Mobile PERS (now 30% of all devices)
- Pretty accurate location tracking
- Fall detection
- Voice-activated (two-way?)
- Predictive analytics link
  - Numera and Philips CareSage
- Better looking, eg:
  - Welt Belt
  - Withings Move
Hearing aids, hearables, captioning

- FDA allows marketing of self-fit hearing aids in 2018
- Price possibilities will help expand population of users
- Hearing aids now have AI and fall detection (Livio)
- Self-care smartphone apps (test hearing, adjust hearing aids) growing in number
- Hearables – smart headphones and earbuds – emerge to help those with mild to moderate hearing loss
- Captioning telephones (Hamilton Relay) enable those who can’t hear to talk with those who can
How large is the market?

* Consumer Technology Association, Jan, 2019
Thank you!

Laurie M. Orlov
Aging in Place Technology Watch

www.ageinplacetech.com
laurie.orlov@gmail.com
772-345-3725