

LTC Tech Summit

Keynote #2: Roadmap to Tech-Enabled Aging

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Roadmap to Tech-Enabled Aging

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Aging in Place Technology Watch

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LTC TECH SUMMIT

Sunnyvale CA

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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



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

Communication
Engagement

Safety and
Security

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

Caregivers

Learning and
Contribution

Health and Wellness

Legacy,
Education and
Learning,
Volunteering,
Financial wellness

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

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



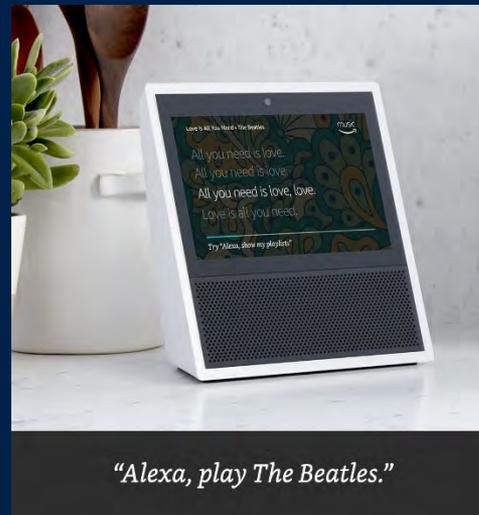
Amazon Echo



Siri and Apple



Google Home



"Alexa, play The Beatles."

Echo Show



Orbita Health



Alexa Calling





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



Lyft CareMore



Ride'N'Care



Kaizen Health



Circulation Non-Emergency Transportation

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



AliveCor Portable
EKG



GoSafe AutoAlert



Anelto mPERS



Essence
Care@Home



Lok8u

New as of 2019



UnaliWear



CarePredict Tempo



FallsafetyApp
(Apple Watch)



MobileHelp Smart



Contextual Activity Analysis



Freus Belle
(multiple Dealers)



Apple Watch



Withings Move (ECG)



Welt Belt



What's changed in wearables for seniors?

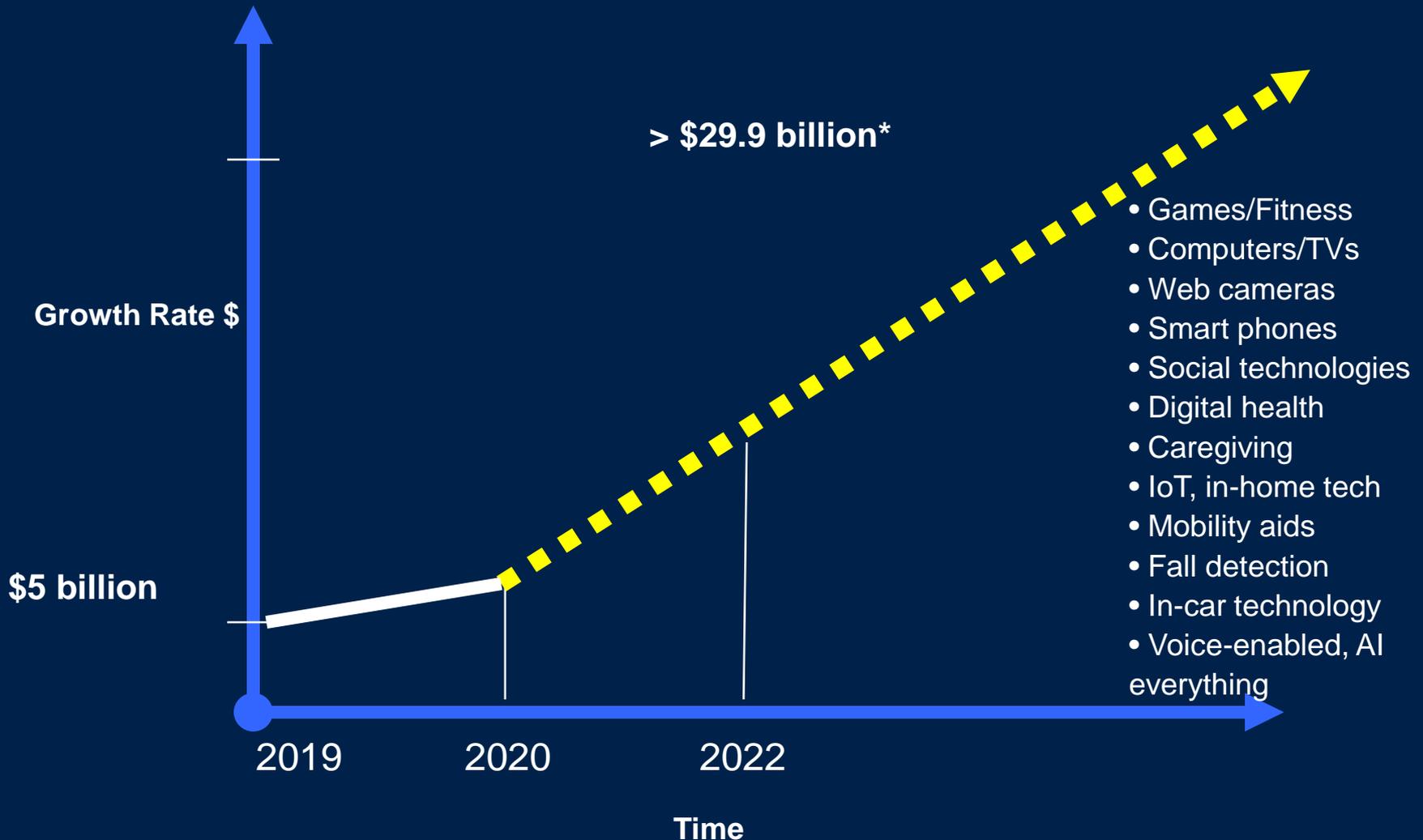
- Mobile PERS (now 30% of all devices)
- Pretty accurate location tracking
- Fall detection
- Voice-activated (two-way?)
- Predictive analytics link
 - » Numera and Philips CareSage
- Better looking, eg:
 - » Welt Belt
 - » Withings Move

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!

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