LTC Tech Summit

Session #6: Smart Home – Smarter Care

SOA Antitrust Compliance Guidelines
SOA Presentation Disclaimer
Smart Homes
Barriers to the Home Market

2019 LTC Tech Summit
November 7, 2019
Technology gets a lot of attention...BUT...

1. If I can’t get down the stairs to open the door for Instacart, Instacart still can’t deliver my groceries.

2. If I can’t take my wheelchair over the front step out of my home, I can’t make it to my driverless car.

3. If I can’t make it safely to the medicine cabinet, I can’t take the medicine Alexa reminds me about.

4. If I have a fall sensor inside an un-accessible home, I can’t prevent falls—I can only alert someone about them after they’ve already happened.

• Are Incentives the Next Innovation in Aging in Place?
• Stria News, January 7, 2019
Humana CEO: Home-Based Care Key to ‘Great Health Care System’

- Home care offers better clinical quality, 'at' lower 'cost,' and 'delights' consumers."
- Despite the advantages, 'the industry has been slow to adopt and promote home care, in part, because of how it redistributes the health care dollar.'
- Early adopters could 'gain' competitive 'cost,' 'quality,' and 'consumer' advantages."

At Home

- With 'the' baby 'boomer' genera* on 'living longer' than 'any' previous genera* on, 'it' will become 'more dependent on informal caregivers' than 'current' seniors."
- Informal caregivers often lack tools and resources to be effective in 'their role,' but they are 'looking for' solutions 'to mitigate the burden of caregiving."

Caregiver
What do people need in a home?

- Ability to:
  - Get in *and* out of the house
  - Move around within the house (*Stairs*, *doorways*, *turns*, *lighting*)
  - Use the bathroom and bedroom (*Storage*, *bed*, *toilet*, *bath/shower*, *sink*)
  - Prepare and eat meals (*Kitchen*)
  - Pay bills, read mail, work at computer (*Home office*)
  - Relax, entertain: (*TV*, *music*, *reading*, *guests*)
  - Enjoy the outdoors: (*Gardening*, *taking sun*, *eating*)
Accessible bathrooms

- Style
- Significance
Over the Next 20 Years, Households in Their 80s Will Be the Fastest-Growing Age Group

Source: 2018 JCNS Household Projections.
Social Determinants of Health (SDOH)

- Kaiser
But few homes offer basic accessibility features

Note: Accessible electrical controls and lever-style handles instead of knobs are two additional accessibility features not shown here, but which have been included in past Joint Center analyses of home accessibility.

Source: Joint Center for Housing Studies tabulations of HUD, 2011 American Housing Survey.
Falls steal dreams!
Costs Avoidance • Savings • ROI

• 100 grab bar installs at $300 each is break even if one falls related hospital visit is avoided (average cost is $29,000)

• $10K invested in house updates is break even if 1 month in a nursing home is avoided
HomesRenewed™ Premise

• “It is fundamentally unjust to continue medical miracles that add years to lives without enabling older Americans to live those lives joyfully and with dignity. Updating homes is the missing link.”
Age 77
Smart Homes

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HomesRenewed Coalition
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