

LTC Tech Summit

Session #6: Smart Home – Smarter Care

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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'

Care "Delivery"
Integra* on"

At Home

Caregiver

- 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."
-
- With the baby boomer generation living longer than any previous generation, 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 are looking for solutions to mitigate the burden of caregiving."

HomesRenewed™

What do people need in a home?

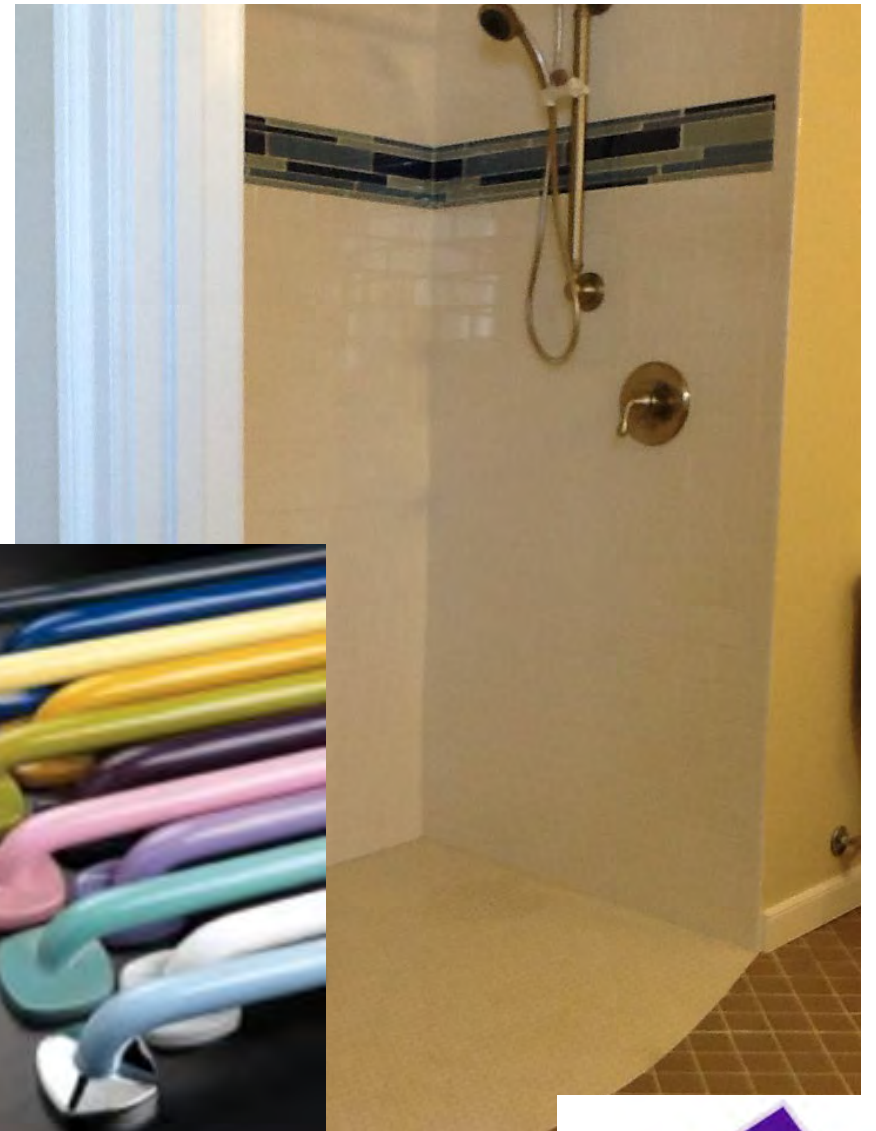
- Ability to:
 - Get in *and* out of the house
 - Move around within the house (Stairs, doorways, turns, lighting)
 - Use the bathroom and bedroom (Storage, bed, toilet, bath/shower, sink)
- Prepare and eat meals (Kitchen)
- Pay bills, read mail, work at computer (Home office)
- Relax, entertain: (TV,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



Accessible bathrooms

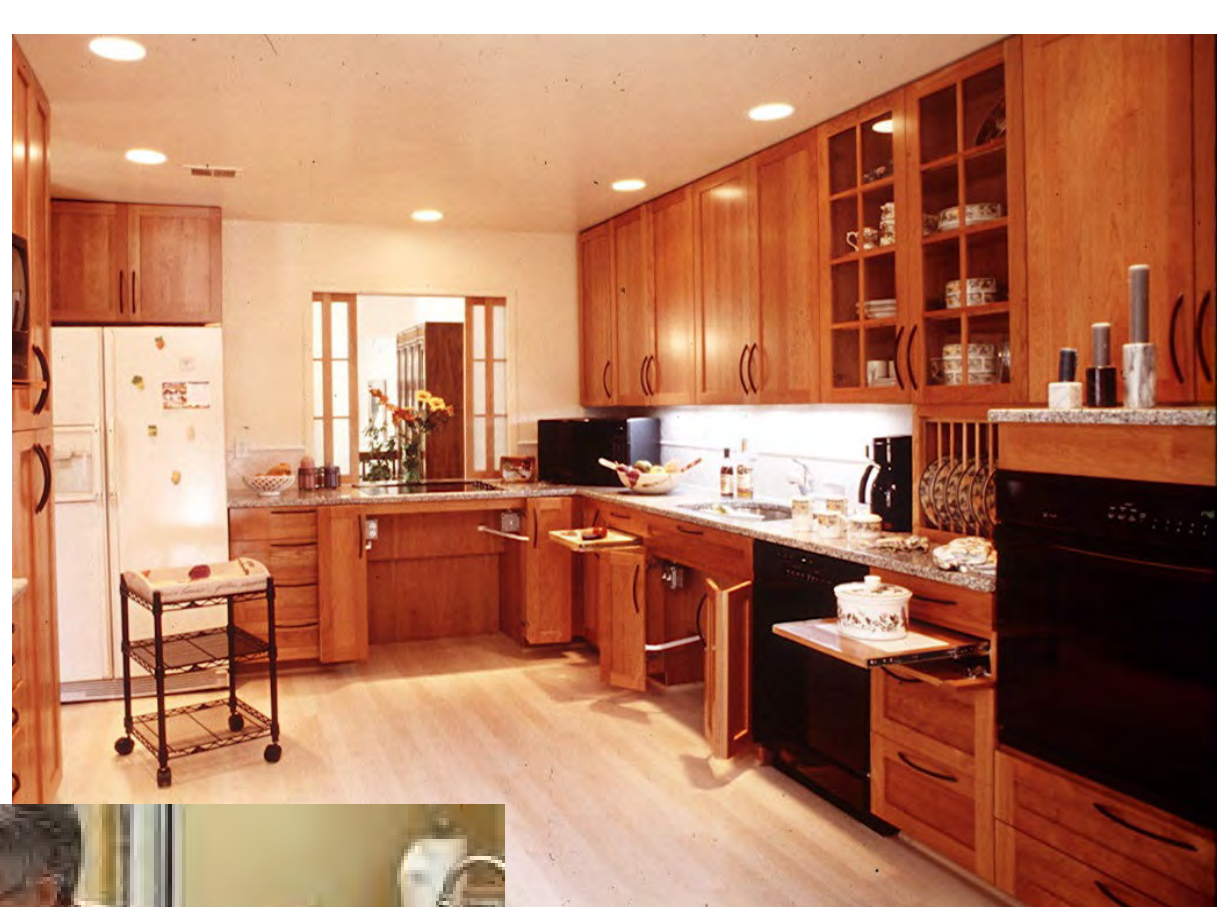
- **Style**
- **Significance**



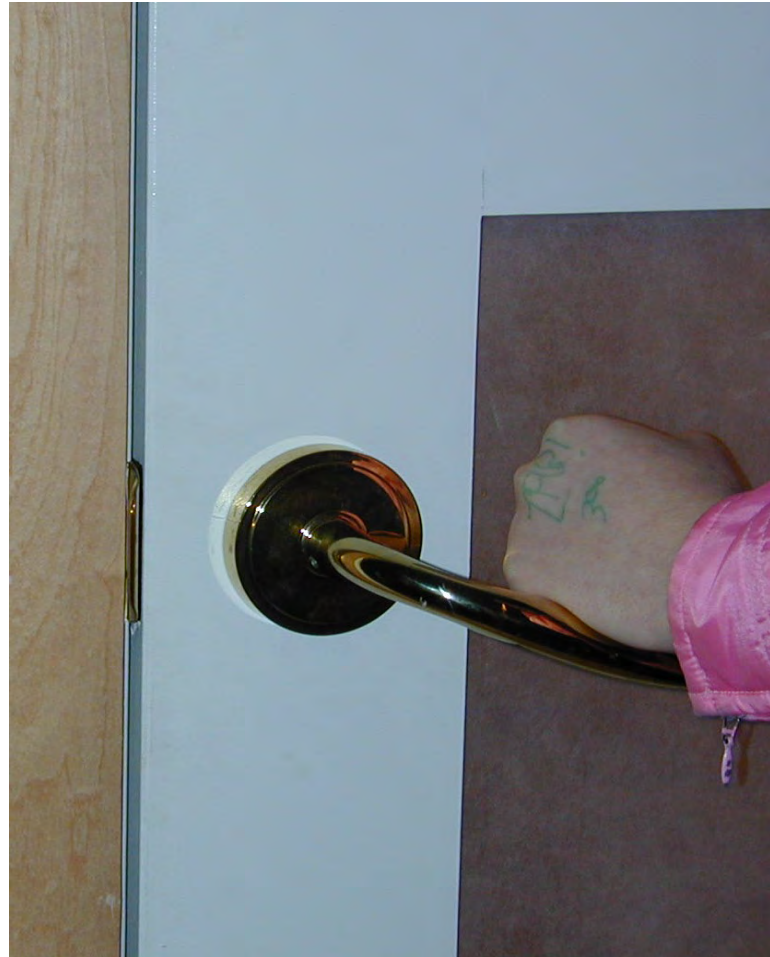


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Dignity

Luxury



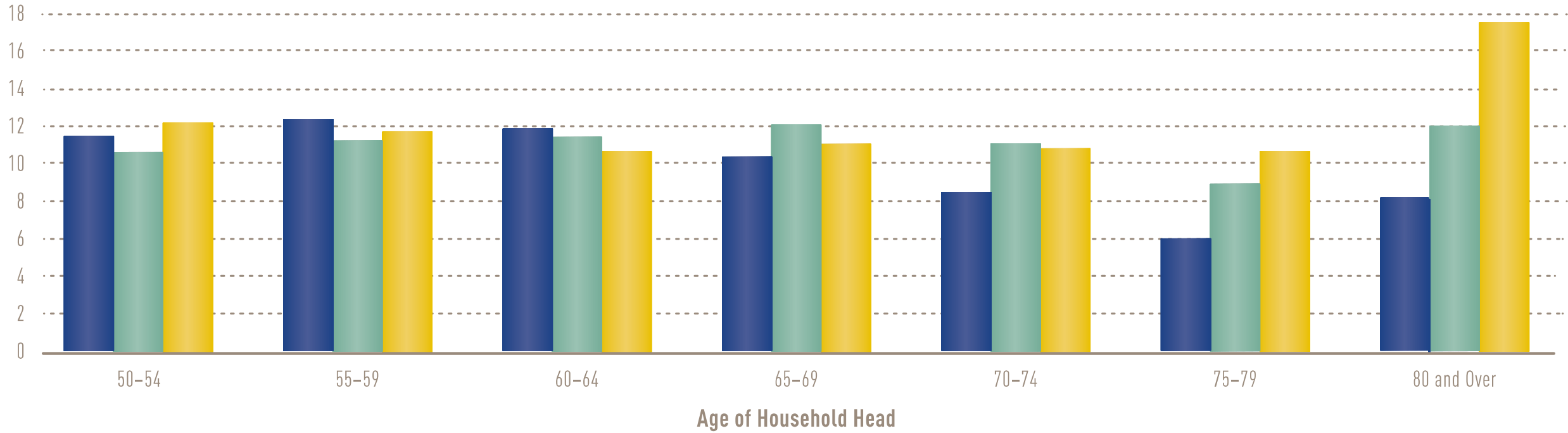
Hygiene

Technology



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

Households (Millions)

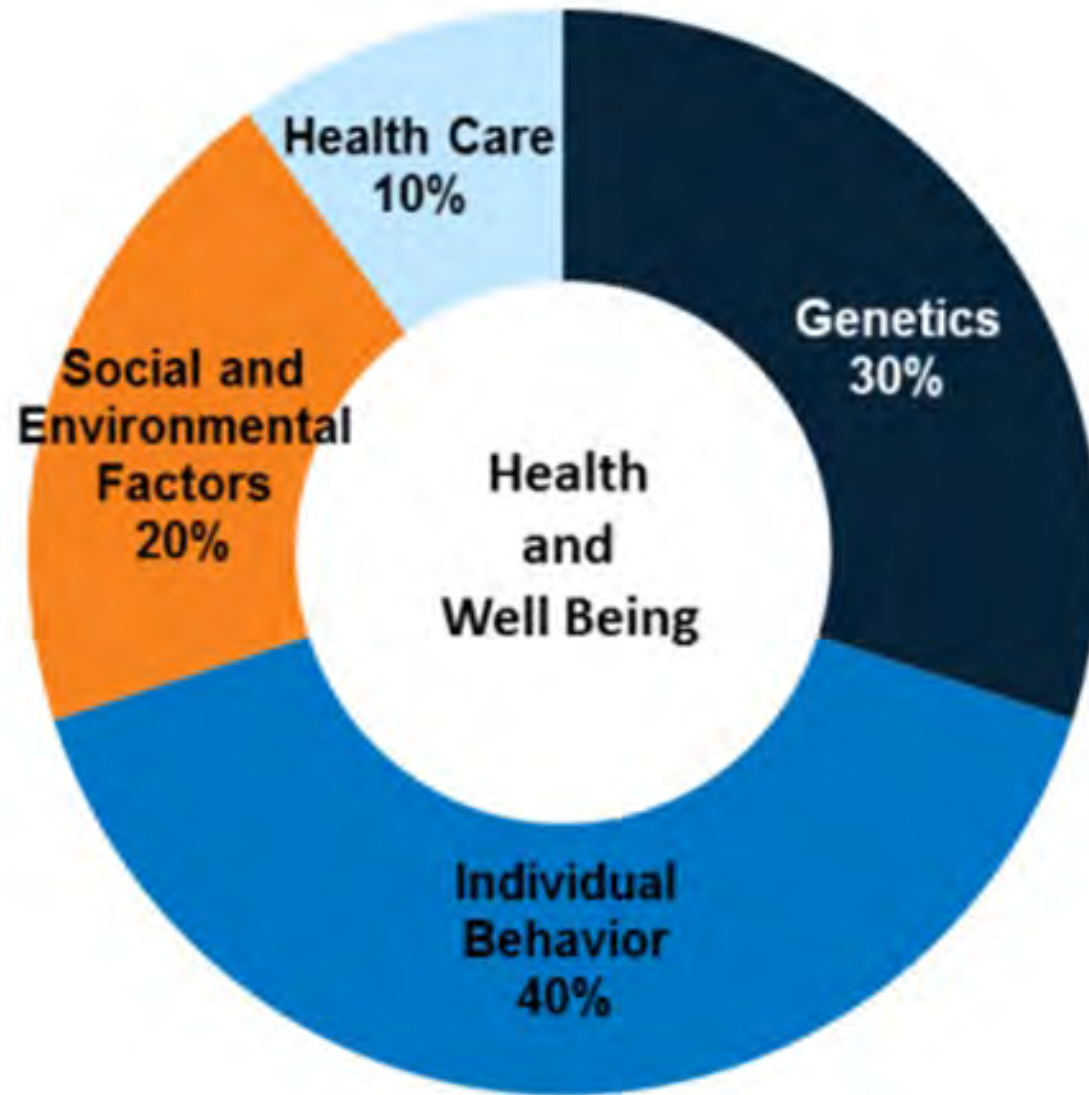


● 2018 ● 2028 ● 2038

Source: 2018 JCHS Household Projections.



Social Determinants of Health (SDOH)

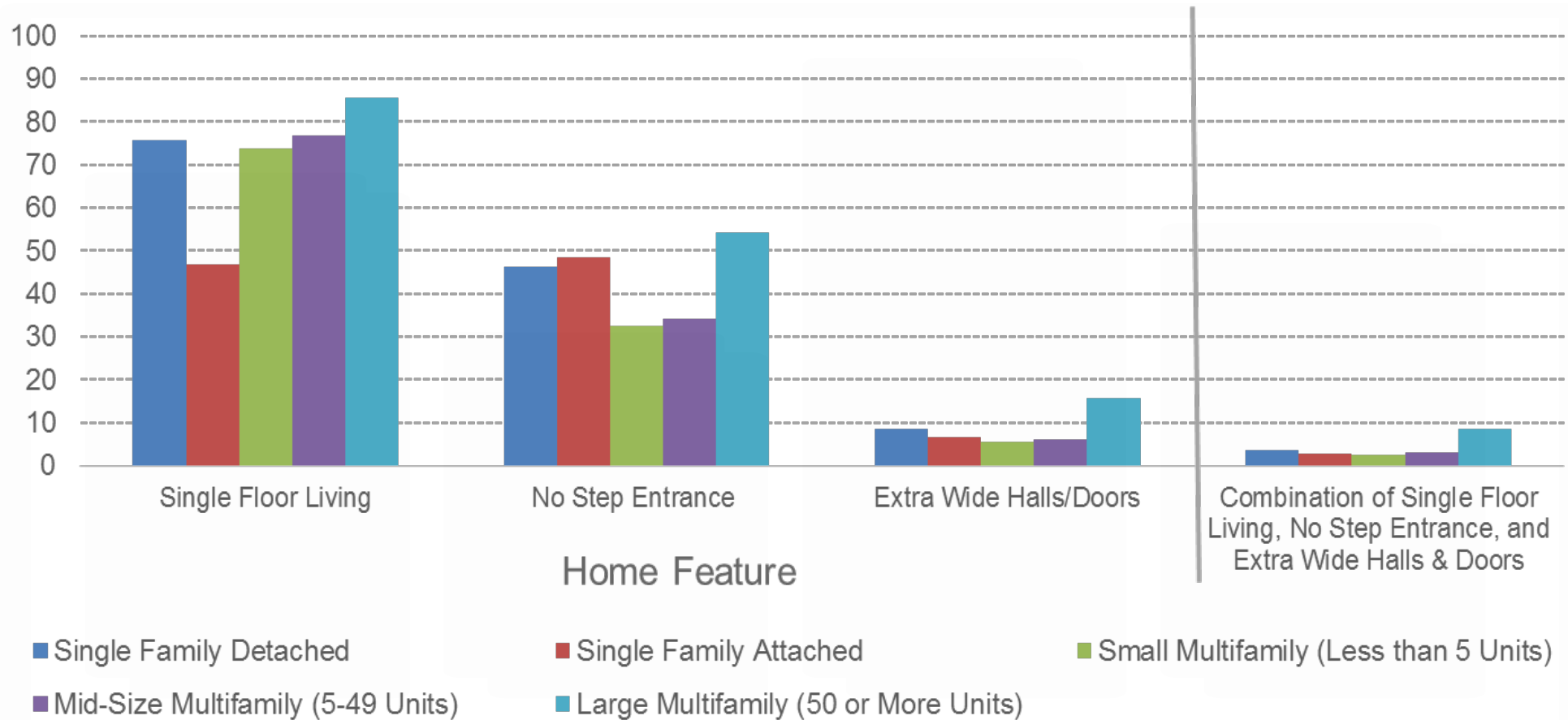


• Kaiser



Share of Housing Units by Type of Building (Percent)

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!



collins



Costs Avoidance • Savings • ROI

- 100 grab bar installs at \$300 each is breakeven 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



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HomesRenewed Coalition

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