

Better Together!

How to standardize home modification programming among CILs and maximize the outcome



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Learning Objectives

- Recognize best practice in home modifications amongst CILs who use standardized home assessment methods to deliver quality programming
- Learn how home assessment technology helps identify key measures that impact life in the home and community through video case studies
- Understand how collecting measurable outcomes on local and state levels through effective home assessment practices provide opportunities for program expansion and funding

Disability Amongst the Aging

- According to the US Census Bureau, throughout 2017-2021, 17.2 million older people, or about 42.0% of people ages 65 and older, reported at least one disability.

Hearing

Cognition

Vision

Ambulation

Self-Care

Independent
Living

A Deeper Look into Disability

Hearing

13.8%

Cognition

8.1%

Vision

6.1%

Ambulation

21%

Self-Care

7.4%

Independent
Living

13.6%

An Unprecedented Number



By 2030, there will be more than 70 million people over the age of 65 or 25 million people who face some type of disability.

62,000 people per CIL!

Most homes in our communities notably lack accessibility features necessary to support longevity in the home.

Peter Pan Homes.



Determinant of Health

“Efforts to make homes, schools, workplaces, and public places easier to access can help improve quality of life and overall well-being for people with disabilities.”



A Shift in Services?



65 and
older,
longer



Under 65,
much less





Or, New
Lenses?



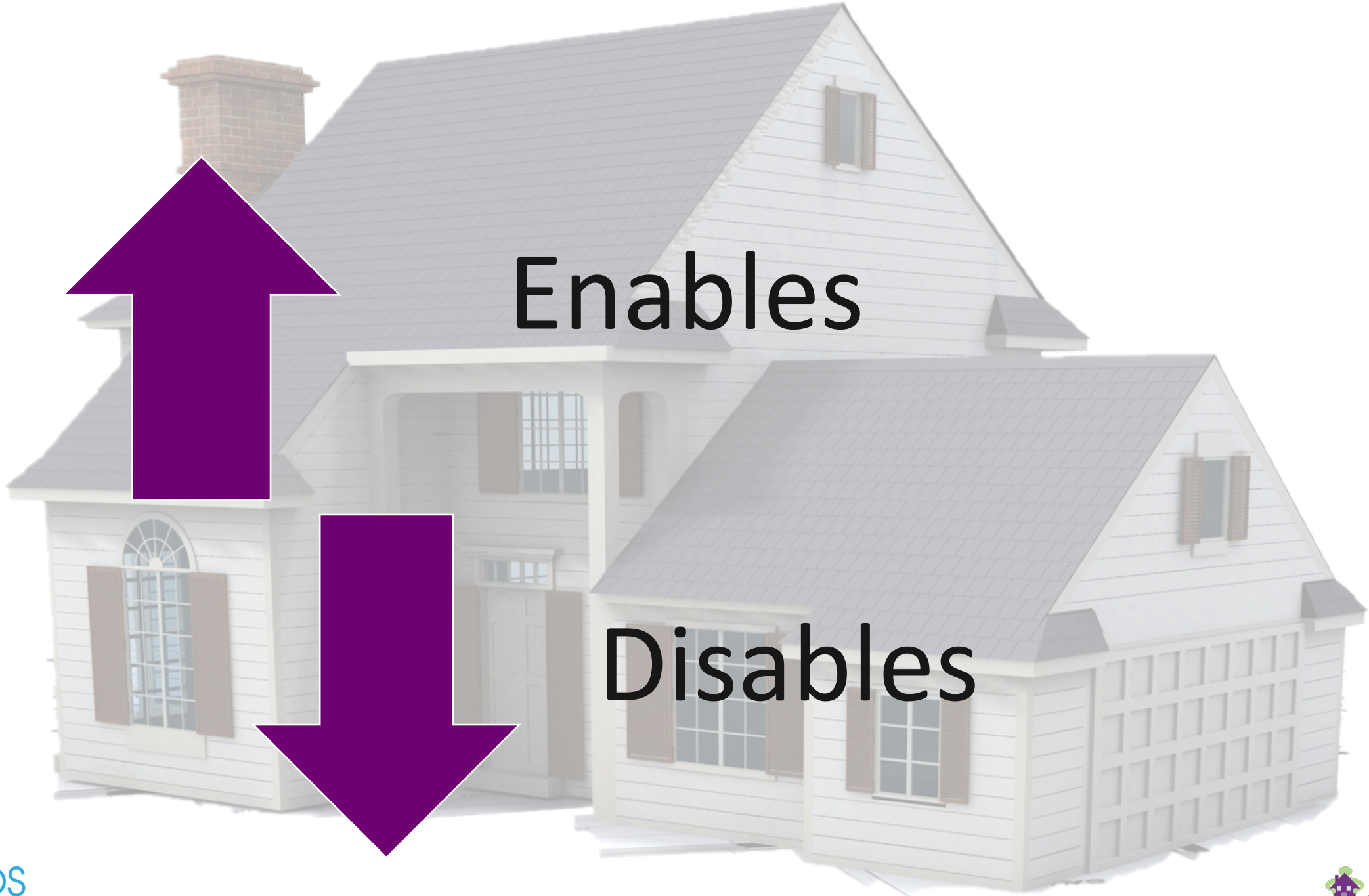
A barrier



Is a barrier



Is a barrier



Enables

Disables

BEDROOMS

DORMITORIOS

- TRANSFER BARS
- WIDEN DOORWAYS
- ELEVATE BED

LIVING AREAS

SALA

- SPECIALTY FLOORING
- FURNITURE PLACEMENT

BATHROOMS

BAÑOS

- WALK-IN SHOWER
- WALK-IN TUB
- TUB CONVERSIONS
- GRAB BARS
- COMFORT-HEIGHT TOILET
- VANITIES

KITCHEN

COCINA

- LOWERING OF CABINETS
- LEVER HANDLES
- EASY TO USE APPLIANCES

EXTERIOR

EXTERIOR

- RAMPS
- MOTION SENSOR LIGHTING



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Help to reduce:

- Falls
- Caregiver burden
- Social isolation

Increase:

- Overall function and well-being
- Community participation



Map Satellite



United States

Mexico

www.homemods.org



Why Evidence-based practice so challenging to implement?

- Takes time
- Involves a different routine
- More paperwork
- My way is the best way
- “I just do it. It’s all in my head.”



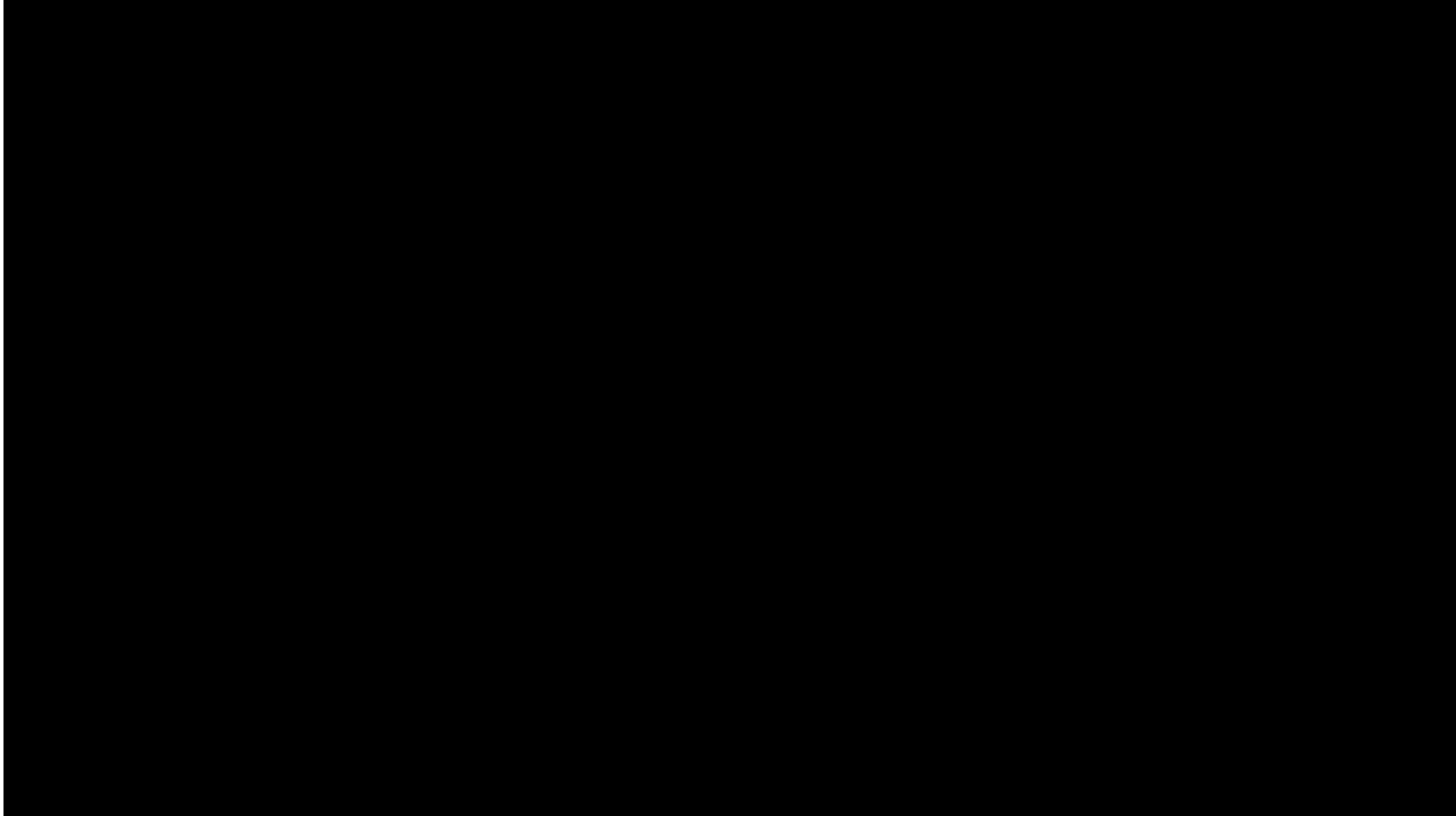
How would you describe the home assessment tool you are currently using in your place of work?

- A formal checklist
- A home assessment from an organization
- A home assessment our organization made
- Not sure

How do you gather Home Assessment data?

- Paper and pencil
 - Copying & Pasting
 - Phone, camera and computer, tape measure
 - New opportunities for technology
-







 Home for Life®

AARP® HomeFIT Worksheet

Entrance:

Front Door: # of steps Door Width Threshold height Porch Lighting Handrails

Back Door: # of steps Door Width Threshold height Porch Lighting Handrails

Side Door: # of steps Door Width Threshold height Porch Lighting Handrails

Things to consider:

Doorways, Hallways & Stairways:

Bathroom Doorways: 32" Greater than 32" Less than 32"

Kitchen Doorway: 32" Greater than 32" Less than 32"

Bedroom Doorways: 32" Greater than 32" Less than 32"

Stairway: Straight Curved Landing Size of landing: # of steps:

Do you have handrails you can reach on both sides of your stairways? Yes No

Things to consider:

Bathroom:

First floor: Tub/Shower Combination Shower Grab Bars Tub Bench Shower Seat Comfort Height Toilet

Maneuvering space in the bathroom Sink Style

Second floor: Tub/Shower Combination Shower Grab Bars Tub Bench Shower Seat Comfort Height Toilet

Maneuvering space in the bathroom Sink Style

Things to consider:

Performance-based Measures

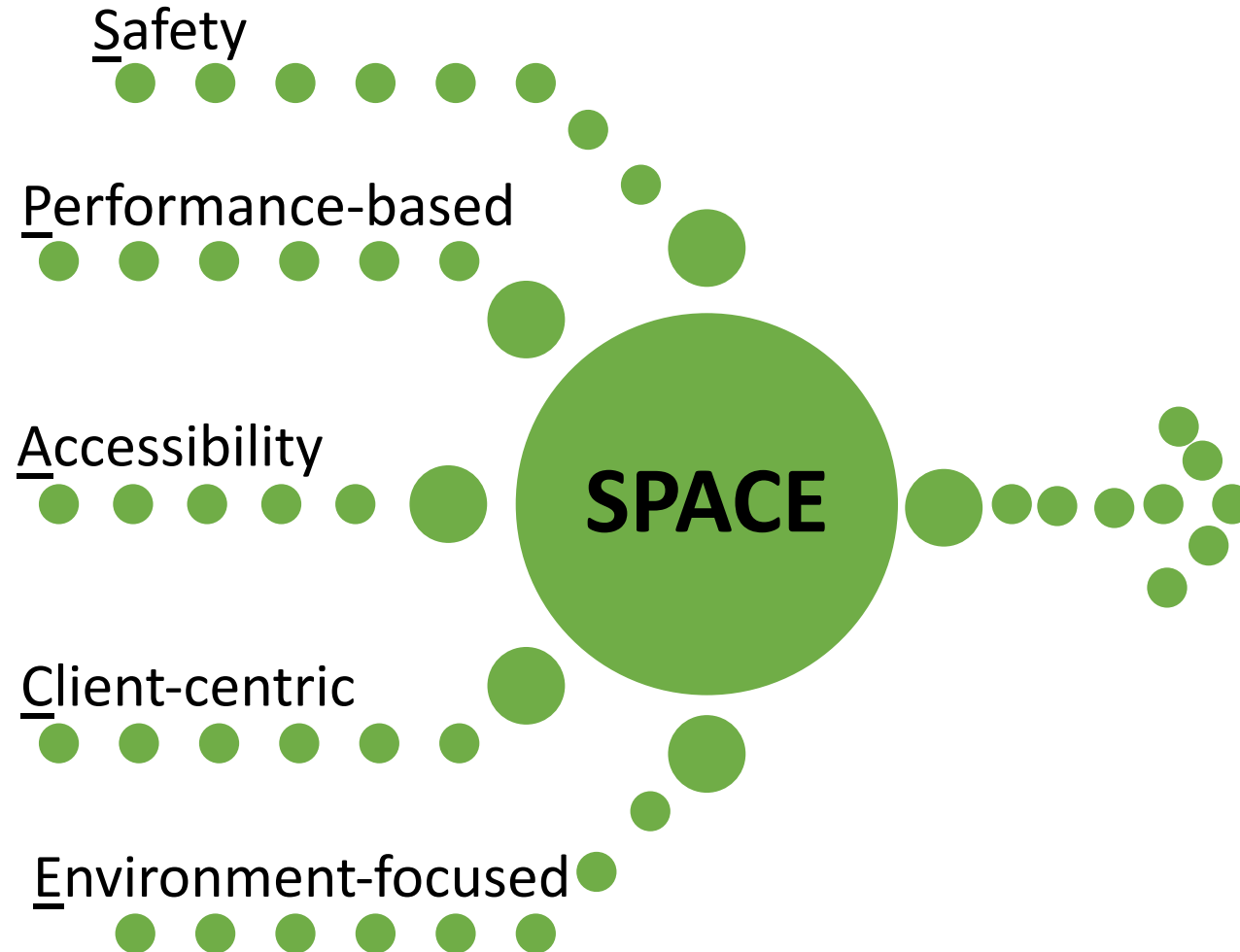
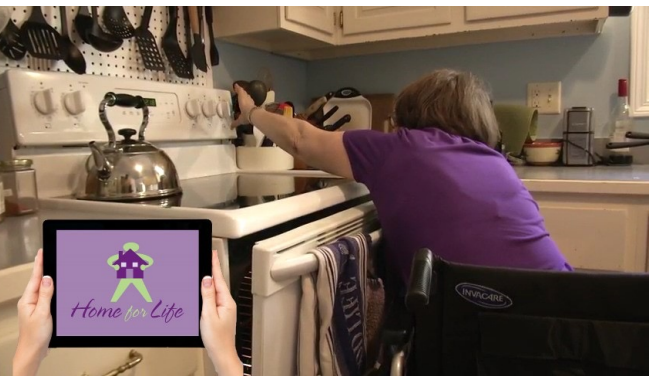


- Discover the interaction between the person and the home
- How much does the person rely on the environment for support?
- How much does the environment inhibit a behavior?



Home for Life

SPACE Methodology: Exclusive to Home for Life Design



Client performs the activity. Safety and accessibility are measured. Products are recommended for the environment, based on client need, to improve safety and accessibility.

Client safety rating: 10%

Safety

Performance-based

Accessibility

Client-centric

Environment Focus

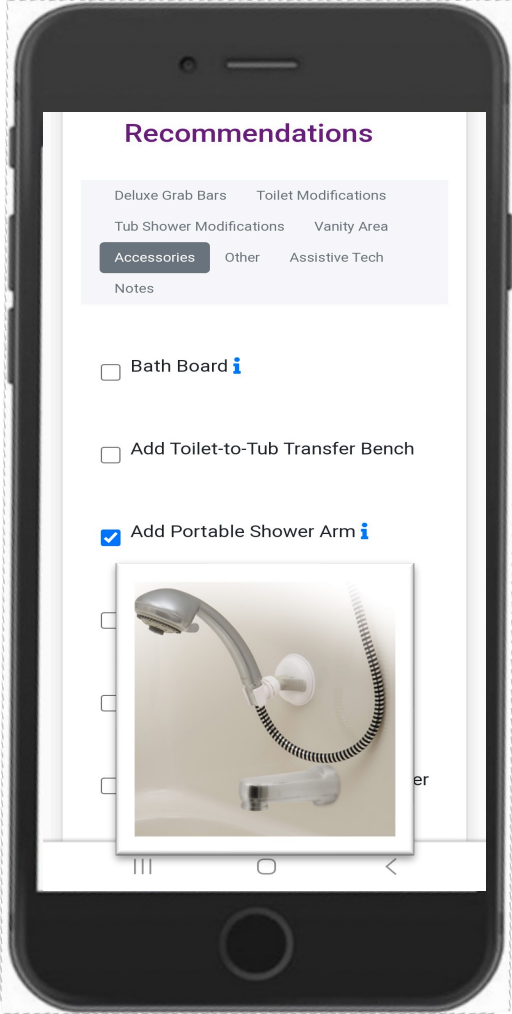
Uses step stool and leans on suction cup grab bar to reach for shower head.

Accessibility rating: 20%



"I don't like the water on my face. I want to hold the shower wand when I bathe. So, I get it before I sit down."

Maintain the client's shower routine and eliminate the hazard: the shower head location.



Case Study: Virtually Assessing the Bathroom. Demonstrating the shower routine

Space Coast Data Collected

Number of clients assessed		36		
Number of rooms assessed		48		
Number of product recommendations		87		
Top 4 rooms in most need	Safety Score Pre-Modification	Safety Score Post- Modification	Accessibility Score Pre- Modification	Accessibility Score Post- Modification
Bathroom	32%	95%	44%	98%
Entryway	24%	100%	31%	100%
Outdoor Space	40%	100%	50%	100%
Bedroom	60%	100%	83%	100%

What Next?

Talk to your team about home modification opportunities.

Share the best practices you learned.

Help team members embrace advances in technology.

Partner with occupational therapy students

Stop at our booth to learn more!

Home for Life Design: A Proven Measure for Aging in Place


Since 2021, the US Dept. of Housing and Urban Development (HUD) has funded non-profits around the country to help provide OT home assessments and home modifications for low-income elderly.

The Older Adult Home Modification Program hires occupational therapy practitioners (OTPs) to utilize the tech-based Home for Life Design (HFLD), home assessment in their service delivery.

For the last 3 years Home for Life Design data has been gathered and analyzed to showcase the impact of home modification interventions for aging in place.



Initial Visit

Accessibility Rating™ 

Front Entryway

20%



Methodology and Results



276
Older
Adults



2,173
Rooms
Assessed



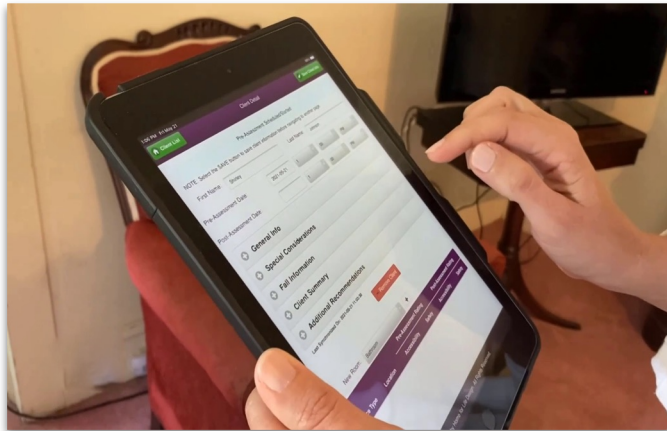
12,342
Occupations
Observed



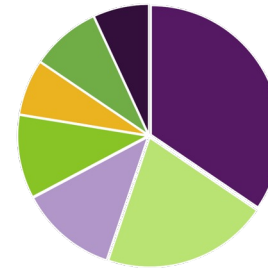
1,741
Recommendations

Rooms	Personal Safety Rating		Accessibility Rating™	
	Pre-Modification	Post-Modification	Pre-Modification	Post-Modification
Bathroom	61%	94%	69%	97%
Stairs	55%	84%	54%	90%
Entryway	64%	94%	55%	95%
Kitchen	74%	95%	77%	97%
Outdoor Space	68%	94%	94%	97%

Scan below to hear how safe I feel in my Home for Life Design!



Current OAHMP Home Modifications

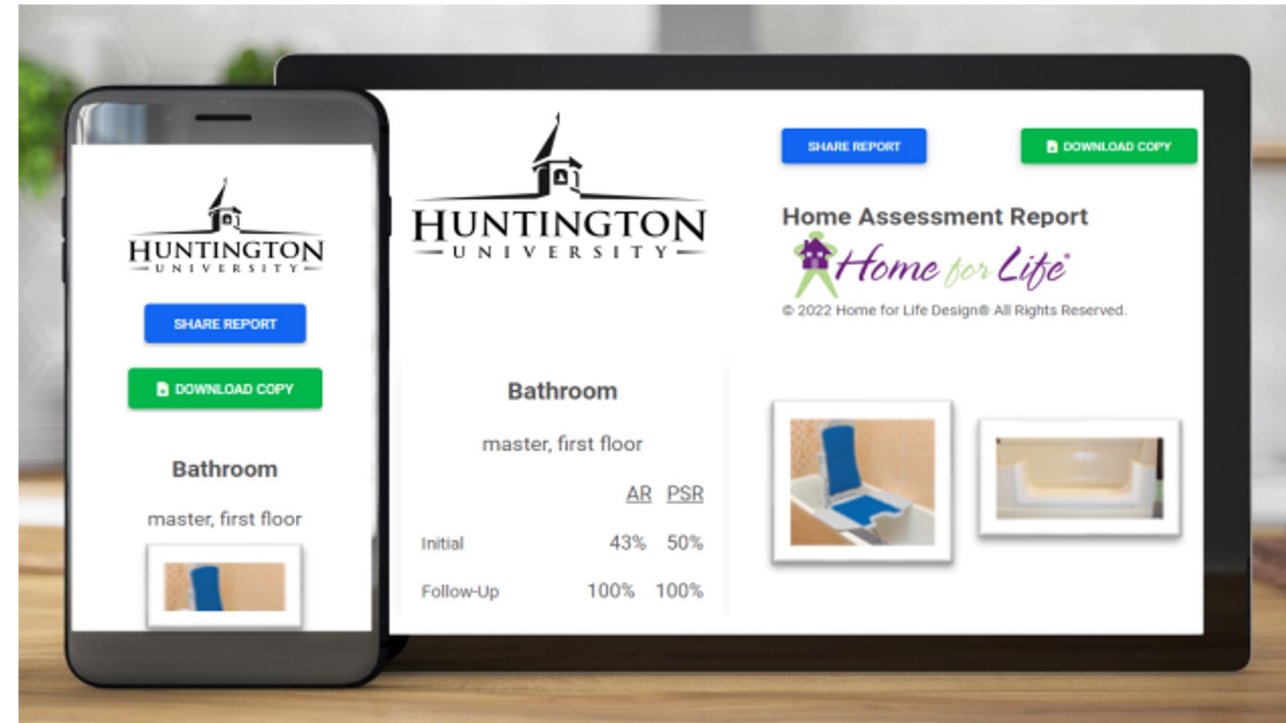


- Add lighting
- Grab bars
- Toilet mods
- Hand rails
- Shower controls
- Declutter
- Flooring



A Closer Look - Huntington University

A graduate student in the occupational therapy doctoral program at Huntington University interviewed 25 of the 256 participants within the larger study and gathered important qualitative and quantitative data on Home for Life Design and HUD's Older Adult Home Modification Program.



Outcomes

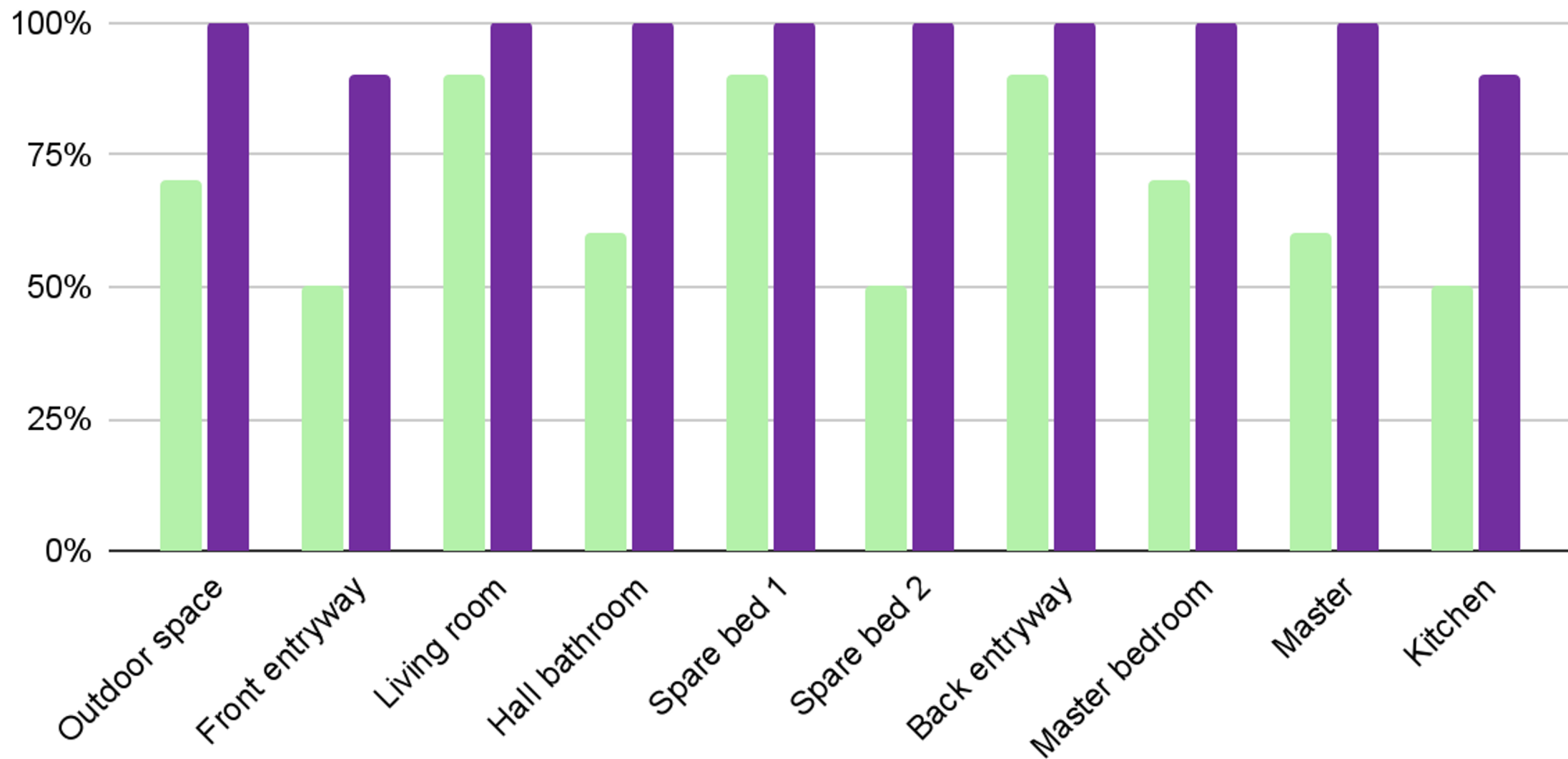
- **Safety** ratings (rated by the client) **increased by an average of 29%**
- **Accessibility** ratings (rated by the assessor) **increased by 31%**
- The average cost to modify each home was \$2,753.00
- Qualitatively, clients feel HFLD outlined a thorough, personalized, and proactive process



“I felt trapped in my home, but now I have freedom.”
-David

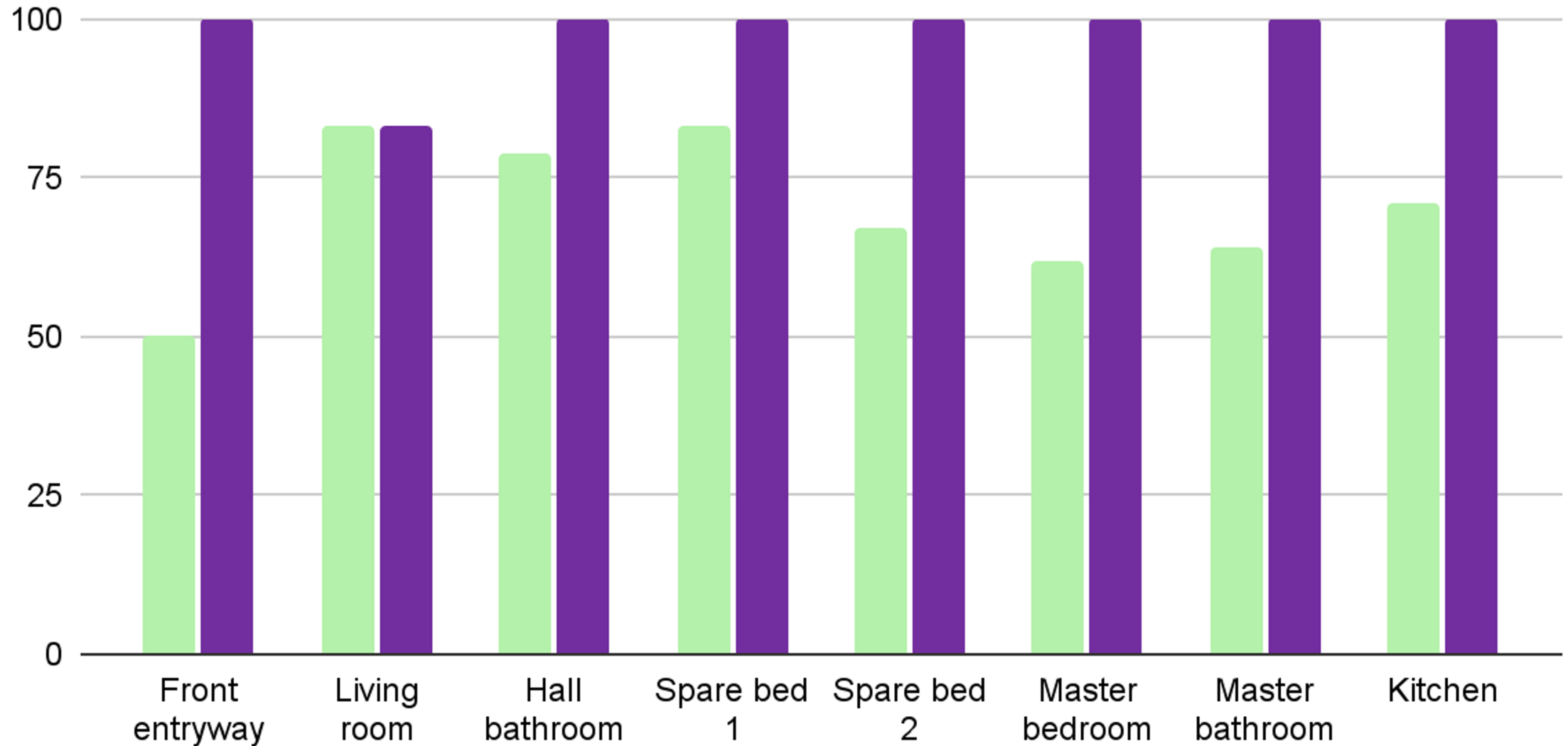
Safety rating

Pre-assessment Post-assessment



Accessibility ratingTM

Pre-assessment Post-assessment



Resources

AARP Home Fit Checklist

<https://www.aarp.org/livable-communities/housing/info-2020/homefit-worksheets.html>

Aging Accessible Home Stats

<https://www.census.gov/library/visualizations/2017/comm/again-accessible-homes.html>

Joint Center for Housing Studies of Harvard University

https://jchs.harvard.edu/sites/default/files/media/imp/jchshousing_americas_older_adults_2014_0.pdf

United States Census Bureau

<https://data.census.gov/table?q=S1810:+DISABILITY+CHARACTERISTICS&tid=ACSST5Y2021.S1810>