The Home Assessment

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**Home assessment evaluates eight areas of the home**

- **Unique features:** past tools did not adequately assess lighting, contrast, distractions, glare
- **FIGS assessment:** for people with visual impairment evaluates eight home areas for hazards, adaptations, and clutter:
  1. Entryway
  2. Living room
  3. Dining area
  4. Kitchen
  5. Stairs
  6. Hallway
  7. Bedroom
  8. Bathroom

- Help identify which hazards contribute most to falls
Highest number of hazards identified in bathroom, stairs, and entryway

- Bathroom: 7.9 hazards
- Hallway: 4.8 hazards
- Entryway: 4.8 hazards
- Stairs: 6.5 hazards
- Bedroom: 3.3 hazards
- Dining room: 4.0 hazards
- Living room: 3.5 hazards
- Kitchen: 4.2 hazards
- Entire home: 32.7 hazards
Most common hazards related to lighting and bathroom safety
Lighting varies by room but is not associated with visual field loss.
Circumstances and Locations of Falls
Falls follow-up questionnaire completed after every fall

- **Fall**: any fall, slip, or trip in which you lose your balance and land on the floor or ground or at a lower level

- **Near-fall**: catching yourself during any fall, slip, or trip in which you lose your balance

- Falls follow-up questionnaire after each reported fall
  - Indoors/outdoors, home/other building
  - Surface type, activity level
  - Injury/no injury
Most common words used to describe falls
Most falls occurred indoors and at home

- 330 total falls reported by 142 participants

<table>
<thead>
<tr>
<th>Fall location</th>
<th>Number of falls</th>
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</thead>
<tbody>
<tr>
<td>Indoors</td>
<td>166 (50.3%)</td>
</tr>
<tr>
<td>Home</td>
<td>117 (70.5%)</td>
</tr>
<tr>
<td>Outdoors</td>
<td>164 (49.7%)</td>
</tr>
<tr>
<td>Sidewalk</td>
<td>34 (20.7%)</td>
</tr>
<tr>
<td>Driveway/street outside home</td>
<td>26 (15.9%)</td>
</tr>
<tr>
<td>Yard/garden near home</td>
<td>25 (15.2%)</td>
</tr>
</tbody>
</table>
Approximately half of all falls resulted in some injury

- 330 total falls reported by 142 participants

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Number of falls</th>
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<tbody>
<tr>
<td>Any injury</td>
<td>143 (43.3%)</td>
</tr>
<tr>
<td>Mild injury (bruising, swelling, pain)</td>
<td>97 (67.8%)</td>
</tr>
<tr>
<td>Moderate injury (sprain, pulled muscle)</td>
<td>24 (16.8%)</td>
</tr>
<tr>
<td>Severe injury (broken bone)</td>
<td>22 (15.4%)</td>
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<tr>
<td>Hospital admission</td>
<td>11 (3.3%)</td>
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</tbody>
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Falls most common on cement and carpet.
Highest number of falls on stairs and in bedroom

Bathroom: 17 falls, 6 injurious
Bedroom: 22 falls, 8 injurious
Hallway: 5 falls, 3 injurious
Stairs: 29 falls, 8 injurious
Basement: 5 falls, 3 injurious
Kitchen: 14 falls, 7 injurious
Living room: 15 falls, 6 injurious
Other: 4 falls, 0 injurious

Total falls: 101, 18 injurious
Summary

• Most hazardous areas: bathroom and stairs

• Most common hazard is inadequate lighting

• Most falls occurred indoors / at home

• Highest number of falls occurred on the stairs and in the bedroom

• Nearly half of all falls resulted in some injury
Thank you!

Questions?