

# Assistive Technology for Aging Adults in Community Residential Services



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# The Aging Population in Community Residential Settings

- **Earlier and accelerated aging**
  - 10-20 years earlier than general population
  - Higher rates of chronic conditions
- **Increased risk of dementia-especially in Downs syndrome, often beginning in their 40's and 50's**
- **Aging in Place Supports**

# Tools to support aging in place while reducing risk and staff burden

- **Safety & Environmental Monitoring Supports**
  - Fall & Movement Monitoring
  - Bed and chair exit alarms
  - Floor sensor pads
  - Non-camera motion sensors
  - Wearable fall detectors



- **Mobility & Physical Support**

- **Fall recovery lifts**

- Raymex, Raizer



- **Sit-to-stand lifts**

- **Automatic lighting** (motion-activated night lights)

- **Voice activated call systems** (echo dot)

- **RN call buttons**

- **Incontinence Supports**

- FitRight Connect, Humidicheck,
    - ebrief, AlertWet



# • Health and Wellness Supports

## –Wearable Biometric monitoring

- heart rate
- oxygen saturation
- heart rhythm (A-Fib)
- Seizure detection
- Sleep tracking
- Daily exercise and steps



## –Blood Glucose monitoring devices



- **Wandering Elopement Supports**

- **Door sensors and chimes**
- **Door pressure sensors**
- **Motion detectors**
- **GPS tracking**
  - Air tag
  - Angel sense
  - Boundary care



# Questions?



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Feb 2026

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