

Using passive monitoring to reduce fall risk in senior living communities

TOPICS: Fall prevention & safety | Senior living & long-term living | Passive/ambient monitoring | Connected devices & wearables | Usability & inclusive design | Workflow integration & interoperability



About Withings

WITHINGS

Withings develops CE-certified, medical-grade connected health devices designed to integrate into everyday life. Through its consumer business, Withings monitors more than 2 million adults aged 65 and older worldwide, helping individuals understand their health data and identify risks related to chronic conditions. Withings also partners with senior living communities in the U.S. and U.K. to help caregivers monitor residents and respond more efficiently to potential health and safety concerns.



The opportunity

- Improve caregiver visibility into nighttime activity, when residents may be at greater risk of falling.
- Detect situations that may require intervention before they result in a fall or prolonged unattended event.
- Support resident safety through passive monitoring that requires no active participation.



The challenge

- A significant share of falls occur at night, when caregivers have limited visibility into each resident's activity.
- Residents leaving bed and not returning may require prompt attention, but these events can be difficult to detect immediately.
- Falls can cause lasting harm for older adults and generate substantial downstream healthcare costs.



The approach

- Withings partnered with Amba, using passive in-home sensors to monitor older adults and deliver actionable alerts to caregivers based on changes in health and activity.
- Used connected bed sensors to detect abnormal nighttime events, such as a resident leaving bed and not returning.
- Sent alerts directly to caregivers so they could assess the situation and intervene when needed.

Case study



Connected Health

Collaborative Community by DiME

- Integrated passive monitoring into the care environment without requiring residents to wear or operate a device.
- Designed the solution to fit naturally into residents' routines and caregivers' existing workflows.



The impact

- ✓ Customer-reported results from one U.K. care home showed a **79% reduction in fall incidents** during the first month of deployment.
- ✓ Gave caregivers greater visibility into potentially concerning nighttime activity.
- ✓ Enabled earlier assessment and intervention when residents left bed and did not return as expected.

For additional information, click [here](#).

