

GE Healthcare and Home Health Monitoring

Home health monitoring holds the potential to help seniors live independently longer and in better health, and to reduce the long-term costs of care.

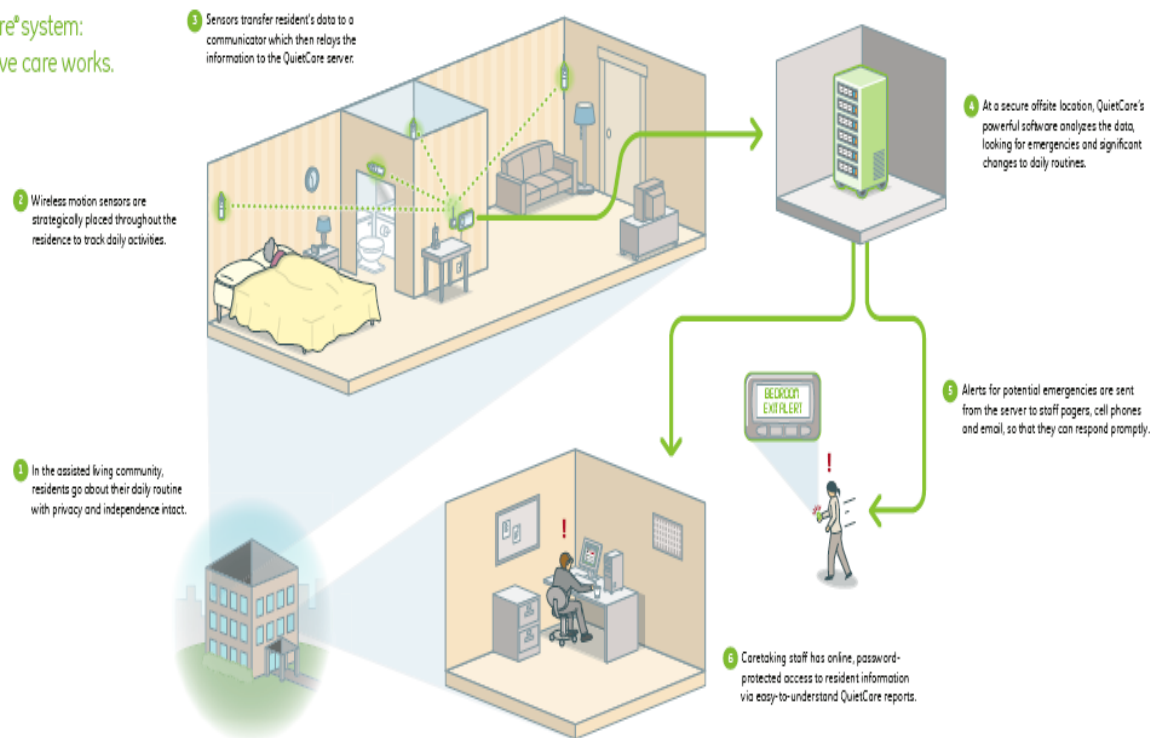
Activity and behavioral monitoring, also known as telehealth or telecare uses wireless sensor-based systems and software to passively track the daily activity patterns of seniors, alerting care givers to potential problems, while at the same time maintaining privacy and enabling as great a degree of independence as possible.

How home health monitoring works.

Home health monitoring systems have evolved from the simple necklace or bracelet alarm systems often used by seniors to alert caregivers that they have had a fall or some other acute event. These systems are highly dependent on the compliance of seniors, so they can be ineffective if not worn consistently. Today, more advanced systems, such as GE QuietCare®, use wireless sensors – similar to those used in home security systems – to “learn” the normal daily routine of the senior such as daily activity levels, number of visits to the bathroom, refrigerator usage, etc. Powerful software analyzes the data collected to detect any changes from normal activities, which may indicate a problem such as a bathroom fall or early signs of illness. If a potential problem is detected, the system automatically alerts the caregiver via phone, pager, email or the internet, enabling earlier intervention.

GE QuietCare® – how it works.

The QuietCare® system:
How proactive care works.



1. Residents go about their daily routine with privacy and independence intact.
2. Infra-red wireless motion sensors are strategically placed throughout the residence to track daily activities.
3. Sensors transfer residents' data to a communicator, which then relays the information to the GE QuietCare® server.

4. GE QuietCare's powerful software analyzes the data, looking for unusual circumstances and potential emergencies.
5. Alerts for potential emergencies are sent to staff via pagers, cell phones, and/or email.
6. Staff can respond to possible emergencies more quickly in order to provide proactive care.

About GE QuietCare

- GE QuietCare® is used by senior housing and assisted living communities in the United States.

GE Healthcare and Home Health

Home Health is a key priority for GE Healthcare, as it has the potential to reduce healthcare costs while improving quality of life for seniors. The company has made a number of acquisitions and alliances in the Home Health area.

- **September 2008** - GE Healthcare formed strategic alliance with Living Independently Inc.
- **November 2008** - GE Healthcare announces it is leading a consortium of Hungarian companies and universities in a \$5M home health research program, funded by the Hungarian government.
- **April 2009** - GE and Intel Corporation formed an alliance for the development and commercialization of home health technologies. GE Healthcare began marketing the Intel Health Guide in the United States.
- **December 2009** - GE Healthcare acquired Living Independently Inc.
- **January 2010** - GE Healthcare and Intel extended Intel Health Guide Sales and Marketing agreement to UK.
- **March 2010** - GE Healthcare, Intel and Mayo Clinic announced a joint research project to explore new models of healthcare delivery using the Intel Health Guide for patients with chronic diseases.
- **April 2010** - GE Global Research Center announced study using GE Home Health technologies to help identify symptoms, improve understanding and medical treatments for soldiers returning from Iraq and Afghanistan with post traumatic stress disorder and traumatic brain injury.
- **April 2010** - GE Healthcare invested \$3 million in TRIL Centre, Dublin, Ireland to fund research into new technologies for elderly and chronically ill.
- **June 2010** - GE Healthcare and Intel extended Health Guide Sales and Marketing agreement to Italy.
- **June 2010** - GE Healthcare announced that NHS Central Lancashire in the United Kingdom had adopted Intel Health Guide home health monitoring technology for patients with chronic obstructive pulmonary disease in Preston, Lancashire, UK.

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