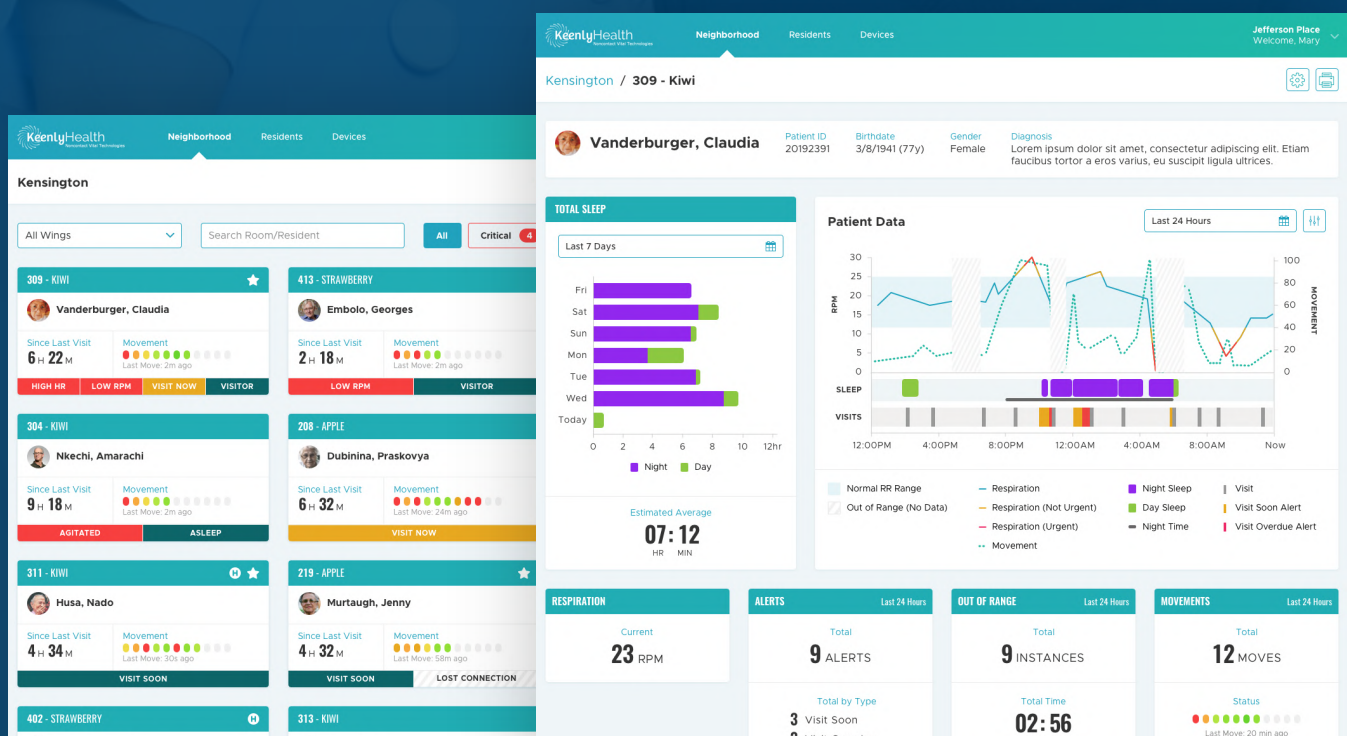




CASE STUDY:

Advanced monitoring technology to improve patient coordination and care



“ Working collaboratively with PointClear Solutions was instrumental in driving the strategy, design, and development of our solution. The team understands our goals, provides expert healthcare IT direction, and ensures we continue to deliver an exceptional and secure solution to our partners and their patients. ”

THE CHALLENGE:

With a passion to improve patient care and the shift towards population health, Keenly Health saw a need in healthcare for enhanced remote patient monitoring. As nurses need to regularly check on patients with minimum disruption, contactless monitoring that accurately tracks the granularity of data such as vital signs, movement, and visitor presence was a missing piece to providing safer and more comprehensive patient care.

THE SOLUTION:

Keenly Health wanted to develop a contactless radar technology and platform to monitor and track patient activity to more quickly and efficiently identify health and behavioral issues.

The solution would need to focus on three major components:

- **Device** – to detect and monitor activity accurately in a patient's room
- **Data** – to collect, ingest, cleanse, and analyze, empowering system alerts and trends
- **Dashboard** – to interpret and display meaningful and actionable information in real-time, and trending data over time, using a strong visual hierarchy, simple navigation, and a user-friendly design

To build their vision, Keenly Health needed to work with a company that had deep clinical and UX expertise, data security knowledge, architecture leadership, and scalability. They partnered with PointClear Solutions to strategize, design, and develop a platform that provides a broader, measurable view of patient health and status to support long-term facilities and caregivers. The solution's dashboard was thoughtfully designed to enable more efficient staffing, more informed care givers, enhanced compliance, and ultimately better patient care.

THE RESULTS:

The Keenly Virtual Medical Assistant solution is monitoring patients' vital signs, movement, and visitor presence using contact-free radar for senior living patients. The data is securely transmitted to the virtual dashboard where caregivers can monitor individual patient and population status in real-time, and identify trends from their smartphone or PC. With a more comprehensive view of patients, healthcare organizations can increase efficiency and compliance, while enhancing the quality of care provided. Another important capability of the system is the role its unique ability to unobtrusively gather many hours of respiration and movement data every day will play in predictive health.

Keenly Health is continuously working with PointClear Solutions to design and architect deep learning across the solution. As more data is captured, deploying artificial intelligence and machine learning will help further provide intelligent insights to guide caregiver decisions for enhanced care.

“ Their scalability, clinical experience, UX expertise, data security knowledge, consulting services, and architecture leadership were all reasons that we partnered with PointClear Solutions. We look forward to continually working together to improve care through technological innovation. ”

- Richard Bates, Chairman & CEO

“ Keenly Health has developed an amazing new technology for long-term care. Having a non-contact, unobtrusive sensor in our skilled nursing rooms that can monitor visitors coming in and out will help keep our residents safe and secure. The 24/7 cloud-based monitoring helps keep care programs on track and in compliance with industry regulations. ”

- Dawn Dunbar, Director of Health Services, Carlyle Place

“ We are proud to be working with Keenly Health as a strategic pilot partner. Senior living providers are having to adapt to major changes underway in the aging population market. Leveraging innovative technology, like the Virtual Medical Assistant™, will help Carlyle Place provide high touch, personalized, patient focused care to all of our residents. ”

- Tom Rockenbach, Chief Administrative Office, Carlyle Place