



SleepSense

An innovative, non-wearable sleep tracker.

Product description

SleepSense, is an award-winning sleep tracker that allows health providers and caregivers to track their patients'/residents' sleep in real-time for safety and health risks, and to effectively measure and utilize that data to support the care journey. This is a novel way for clinicians and caregivers to obtain validated sleep quality information in order to treat the problem.

Health Canada Clearance: Establishment license

Clinical Setting Target: Rehabilitation, long term care, continuing care, mental health care, community care

Current Validation Evidence: SleepSense has been used in the senior care environment for over one year in Canada and internationally with positive customer feedback. Sleep logs, in/off bed status, reports have been validated in commercial settings. The snoring detection algorithm has been validated using 2000+ samples with acceptance tested by partners. Heart rate measures have been validated by external parties and proven to provide reliable data correlations with medical grade devices. Co-development of Sleep Assessment Report with top academic researcher and sleep treatment professionals provides valuable suggestions and tips to help improve quality of sleep.

Key benefits for healthcare organizations and patients/clients:

1. Improving quality of care amidst address staffing challenges by using SleepSense central monitoring and real-time alerts features
2. Using SleepSense reports as input to support recovery process and/or on-going treatment plan to improve sleep quality and overall wellbeing.

Outcomes to measure:

1. Time saving for staff through the use of the central monitoring and alert systems to identify and respond to safety and health risk situations
2. Cost saving from early detection of health issues through the use of sleep quality analysis and reports
3. Cost saving from timely care as a response to reduced falls, wandering, health emergency situations through the use of SleepSense alerts system

Data Driven Care™

Making Sense Of The Sensors – The IoT Aggregation Platform Built For Health

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Integration Capabilities:

SleepSense has built easy to integrate interface with other systems. SleepSense integrates with existing nurse call systems seamlessly and support integration with EMS systems. SleepSense system has been integrated with PointClickCare software.

Current Sales and Market:

SleepSense has supported over 1000+ Senior residents in Canada, and Australia, with multiple projects across three countries that leads to potential sales of 10000 beds in Senior care homes by end of this year. Other than customers in Senior care homes, Tochtech (the digital health tech company that developed SleepSense) are running an evaluation project with Bruyere Continuing Care in Ottawa fully funded by OBIO (Ontario Bioscience Innovation Organization) and SAM3, a pilot project in a rehabilitation center in Montreal, Canada.

Testimonials:

"It is truly amazing how much data we can access while not impeding our seniors that can contribute to the care of our residents and assist our evening and night staff in monitoring those residents who may require additional assistance. Sleepsense will help us to ensure resources are utilized in the most efficient and effective manner in relation to sleep and safety. I am hopeful with time we will see a reduction in falls, and better quality sleep for our residents. Those are two powerful indicators of seniors well-being and health."

-- Lisa Samms-Maxwell, Director of Care, Langley Lodge, BC Canada

"There is so much opportunity for human errors, Toch Sleepsense bring peace of mind that residents are well cared for through the night."

--Andrew Trinder, Director Operations, Senior Living Program, Vancouver Resource Society

