



# Toch Sleepsense

Toch Sleepsense is an innovative, non-wearable sleep tracker that allows caregivers to monitor the safety of their loved ones while they sleep. Using high-precision sensors, algorithmic and BCG wave technology, Sleepsense detects and reports in real time, heart and breathing rate, sleep activity and quality, and notifies when a health risk is identified during sleep. Unlike sleep pads, Toch Sleepsense is placed under the frame of the bed and is uniquely designed to detect body movement and vital signs no matter where the sleeper is positioned on the bed.

Toch Sleepsense is able to support both business and consumers markets segments.



## Product Features

- Real time monitoring of heartbeat and breathing rate
- Alert notification of potential safety risks such as undetected heart and breathing rate and off bed and on bed status
- Automatic recording of daily sleep pattern and quality (light sleep, deep sleep), number of sleep interruptions,
- Analysis of sleep pattern and quality changes
- Smart device features:
  - Night light. A dim light automatically turns on/off when getting in and off the bed providing a safety feature
  - Smart alarm. Alarm can be synced with sleep pattern to help attain the most restful sleep

## Business Segment

Customer: health care facilities, nursing homes, senior accommodation providers

A web monitoring module is provided to enable monitoring of multiple residents/patients. Alerts can be sent to a designated platform.

Benefits to the business customer:

- Reduce risk of resident/patient falls and wandering.
- Increased probability of positive patient outcomes as a result of immediate intervention responding to real time notifications of health risk events
- Improved care planning from a better understanding of residents/patients sleep habits
- Reduced risk of liability through improved quality care and documentation of health risks and events while residents/patients are in bed.



## Consumer Segment

Customer: Caregivers caring for aging seniors, families and children

The free Toch Sleepsense app allows the user to monitor and improve the quality of their sleep pattern. The app can also be used by caregivers to monitor the sleep quality and safety of an aging family member or by parents to monitor and promote better sleep habits with their children.

With the prevalence of technology in children's lives, parents worry about their children not getting enough sleep. Toch Sleepsense monitoring and analysis can help parents monitor and promote good sleeping habits for themselves and their children.



## Technical Specifications

Communication Protocol	WiFi (2.4 GHz)
Power Source	DC 5V
Max Load	150 KG
Operating Temperature/ Humidity	0°C to 50°C (32°F to 122°F) / Up to 85% non-condensing
Dimensions	110mm x 110mm x 15mm
Weight	300 g

Covered under the Medicaid Waiver!

For More Information:

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