



*Contact-free,
Monitoring
Solutions Designed
to Improve Clinical
Outcome and
Economic Results*

*Empowering
Clinicians to Prevent
Patient Deterioration
in General Departments*

*Continuous Measurements of Heart Rate, Respiratory
Rate and Motion for:*

- EARLY DETECTION OF PATIENT DETERIORATIONS
- FALL PREVENTION
- DECUBITUS PREVENTION

The Unique EarlySense® System

Allow Prevention of Adverse Events with Contact-free, Continuous Monitoring of Heart Rate, Respiratory Rate and Motion – without ever touching the patient who has complete freedom of movement.

The system has been developed specifically for General Care Patients who are usually monitored by nurses once every four to six hours. In the event of a change in a patient's status, the system alerts nurses at the Central Display Station (CDS), on large screens in prominent locations and on handheld devices.



Early Detection of Patient Deterioration

Continuous Patient Monitoring Allows Opportunities for Early Intervention. Monitor the Two Most Important Predictors, Heart Rate and Respiratory Rate¹ to:

- Help clinicians prioritize tasks during their shifts
- Empower clinicians to intervene more effectively
- Generate real-time trends and reports
- Provide data-driven decision making and Rapid Response Team (RRT) activation
- Reduce overall hospitalization costs²

Proactive Intervention – Trend Indication
Automatic trending highlighting changes in vital signs which may indicate future deterioration

Significant Reduction in:
• ICU Days
• Resuscitation Events
=
Significant Reduction in Overall Length of Stay

Clinical Results

45%



Reduction in length of stay in ICU for patients coming from the med/surg unit³

86%



Reduction in Resuscitation events³

¹ Chaboyer, W et al, Am J Crit Care. 2008;17: 255-263

² Slight, SP et al, Society of General Internal Medicine. April 2013

³ Brown, HV et al, The American Journal of Medicine, In press

Reduce Alarm Fatigue

In comparison to other monitoring solutions, EarlySense provides a very low Alarm Rate:

Monitoring Technology	Alarms per nurse per shift	Alarms per 100 hours of monitoring
EarlySense ⁴	1.7	2.8
Telemetry ⁵	91.1	151.8
Oximetry ⁶	120.0	200.0

⁴ Zimlichman et al. "Evaluation of EverOn as a Tool to Detect Deteriorations"

⁵ LifeSync: "LifeSync Wireless ECG System... Increases ECG Alarm Accuracy"

⁶ Malviya, S. et al., A & A June 2000 vol. 90 no. 6 1336-1340



Mobile & Display Reminders

Real-time reminders on hallway screens and on-duty caregivers handheld devices to assist in their time management and prioritization of shift tasks



Patient Safety: Reduce Falls & Decubitus (Pressure Ulcers)

EarlySense Safety solution is dedicated to reduce patient falls and pressure ulcers by providing the staff with tools to manage the patients' exits out of bed and turn protocols.

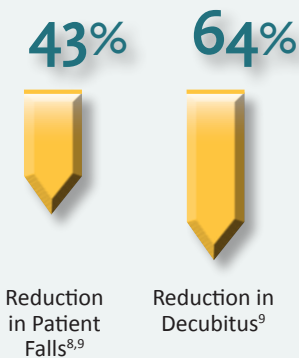
Motion Based Fall Prevention Allows:

- **Patient personalization**
6 Levels of Bed Exit Sensitivity tailored for each patient
- **The Fastest way to the patient**
Reach the patient's bedside when the fall is still preventable
- **Facilitate optimized night care**
with personalization of monitored parameters and automatic adaptation to patients unique needs at night³
- **'Rest indicator' for early indication** of patient's potential attempt to exit the bed up to 50 seconds prior to the ALERT⁷

Pressure Ulcer Prevention:

- **Automatic motion analysis**
Assist clinicians to identify patients at high risk for developing Pressure Ulcers. Detection of patient turn movements and air mattress usage.
- **Real-time turn reminders**
to on-duty caregivers handheld devices
- **Movement data reports**
Including system recognition of patients' turns, response times and ability to ensure team protocol compliance

Clinical Results



Significant Reduction in:

- Decubitus
- Patient Falls

⁷ Shinar, et al, Computing in Cardiology, September 2013

⁸ Palace, ZJ et al, AGS. May 2013

⁹ Brown, HV & Zimlichman, E, Improved Outcomes and Reduced Costs with Contact-free Continuous Patient Monitoring on a Medical-Surgical Hospital Unit. 2010

The EarlySense System



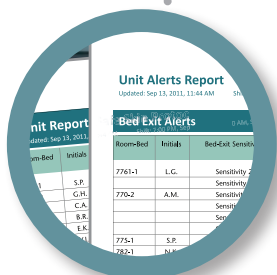
Contact-Free Sensor



Bedside Unit



Central Display Station



Reports



Mobile Alerts

Managerial Value

Management tools for hospital leaders, providing Quality Assurance Tools and assisting in enhanced patient care.

Leadership Tools for Floor Managers:

- Daily patient & unit reports
- Individual & team response times

EarlySense
 12 Tzvi St
 Ramat Gan 52504 Israel
 Phone: 972.3.752.2330
 email: info@earlysense.com

EarlySense

Proactive Patient Care

earlysense.com



View interactive system overview