

PREVENT THE PREVENTABLE.

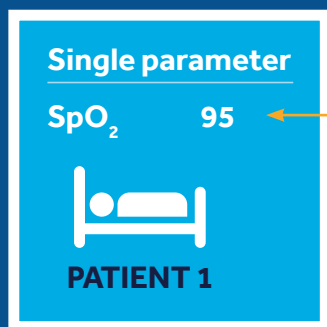
With early warning scores and systems

SINGLE PARAMETER MONITORING

Periodic observation of selected vital sign



Alerts based on a **significant change in a single parameter**



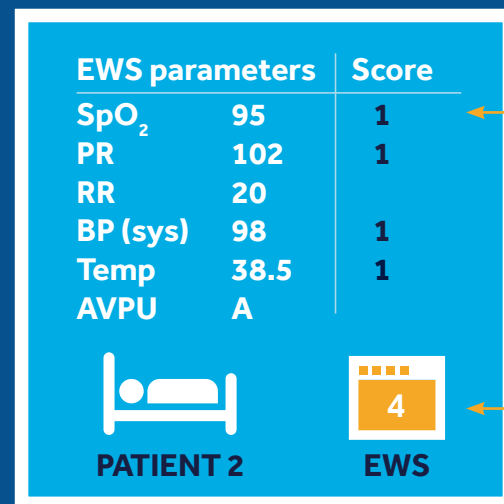
No alarm is triggered*

EARLY WARNING SYSTEM

Continuous monitoring of several parameters



Alerts based on **subtle changes in multiple vital signs**



Alarm is triggered

Early warning score (EWS)

A weighted score based on predefined trigger thresholds

EVIDENCE

CONTINUOUS VITAL SIGNS MONITORING

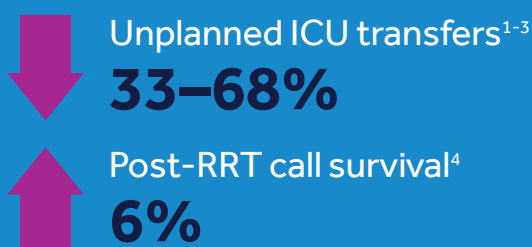


EARLY WARNING SCORES



EARLIER IDENTIFICATION OF PATIENT DETERIORATION

IMPROVED CLINICAL OUTCOMES



Strong predictor of cardiac arrest and death⁵
within 48 hours



RRT response is **6–8 hours faster** with use of an automated early warning system.^{16,7}

THE SOLUTION

Vital Sync™ EWS app



Helps hospitals realize the benefits of a remotely accessible early warning system

Perpetually calculates an EWS automatically based on your facility's chosen algorithm.



Continuously monitors patient information from:

- Multiple bedside devices
- EMRs
- Manually entered data



So you can know sooner

Learn more at [medtronic.com/vital-sync-ews-app](https://www.medtronic.com/vital-sync-ews-app)

*Typical alarm trigger for continuous SpO₂ monitoring is <93%.⁸
†Compared to spot check, manual EWS systems

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3. Peris A, Zagli G, Maccarrone N. The use of Modified Early Warning Score may help anesthesiologists in postoperative level of care selection in emergency abdominal surgery. *Minerva Anestesiol.* 2012;78(9):1034-1038.
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6. Swartz CH. A systematic approach to manage clinical deterioration on inpatient units in the health system. 2011. DNP Practice Inquiry Projects. http://uknowledge.uky.edu/dnp_etds/26. Accessed March 2017.
7. Giuliano, K. Improving patient safety and clinical outcomes through nursing surveillance. *Biomedical Instrumentation & Technology: Clinical Alarms: Managing the Overload.* 2017;51(s2): 34-43.
8. Taenzer AH, Pyke JB, McGrath SP, Bluke GT. Impact of pulse oximetry surveillance on rescue events and intensive care unit transfers: a before-and-after concurrence study. *Anesthesiology.* 2010 Feb;112(2):282-7.