Masimo Patient SafetyNet^{**}

Remote Monitoring and Clinician Notification System





Patient SafetyNet in Action

When You Leave the Room, You'll Still Be There

Patient SafetyNet is a remote monitoring and clinician notification system which displays near real-time information from any connected Masimo device at a central station and allows for alarms and alerts from bedside devices to be sent directly to clinicians





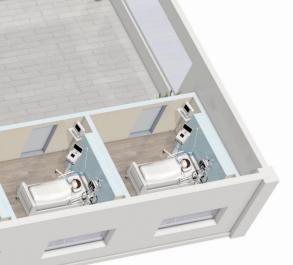
Customizable View Station

Monitor up to 40 patients at a glance with choice of Icon and/or Numeric Views, to quickly investigate patient alarms and review trend data from a central monitoring station

Mobile Clinician Notification Alarm notifications are sent directly to clinicians



Simplified Workflow with ADT Integration Interfaces with hospital HL7 Admit, Discharge, and Transfer (ADT) system for simplified patient association







Seamless Data Transfer Data from connected devices is automatically sent to EMRs

Solutions to Support Patient Safety

Continuous Monitoring

- > According to the Anesthesia Patient Safety Foundation (APSF), post-operative patients should have oxygenation monitored by continuous pulse oximetry¹
- > Using industry-leading Masimo SET[®] and upgradeable rainbow SET[™] technologies, Masimo bedside devices provide continuous and noninvasive monitoring of oxygen saturation, pulse rate, respiration rate, total hemoglobin, and other clinically-valuable measurements







Root[®] with Radical-7[®]

Root with Radius-7"





- > In a study comparing three pulse oximetry technologies, Masimo SET® demonstrated the highest sensitivity and specificity in identifying desaturation events during conditions of motion and low perfusion²
- > Patient SafetyNet enables the customization of alarm and notification thresholds to meet clinical requirements, while avoiding nuisance alarms



Patient SafetyNet sends actionable patient alarms directly to qualified clinicians for immediate patient assistance



Configure alarm thresholds and delays by patient population to manage alarms



Clinician is notified remotely of alarm at the bedside



If primary clinician does not respond, the alert is escalated to additional clinicans



Bedside Patient Association via ADT

Scan patient wristband using a barcode scanner attached to the Root device (or select patient from drop-down list) to associate the patient, device, and clinician at the bedside



Direct Integration into EMR



Vital Signs Monitoring

Root with integrated, noninvasive blood pressure and temperature monitoring sends patient vital signs data directly to the EMR

Connectivity Options

Automatic data transfer from medical devices to the EMR could improve productivity and reduce the likelihood of transcription errors³





Root + 3rd Party Standalone Devices

Root's built-in Iris™ ports act as a connectivity hub for 3rd party standalone devices

device data into HL7

Electronic Charting Patient SafetyNet interfaces with hospital EMR system using HL7 for automated documentation of patient data



Patient SafetyNet

Patient SafetyNet converts all Masimo and 3rd party standalone

EMR

Patient SafetyNet automates data transfer from multiple devices to the EMR

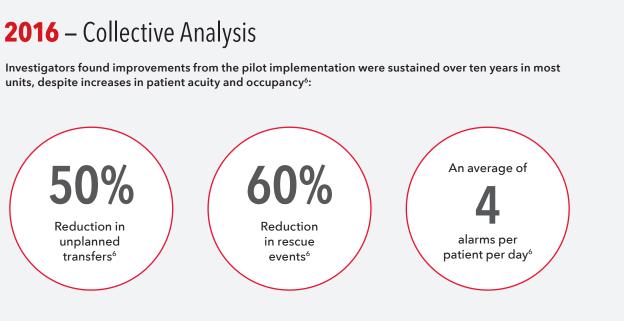
general care areas

Patient SafetyNet can be configured to support your individual patient populations and alarm management strategies



"The implementation of the Patient SafetyNet system was successful due to the collaborative efforts put forth by Crouse Hospital IT and Masimo. The Masimo team has a vast knowledge of systems, networking, and clinician needs. They were always supportive of our needs and their passion and dedication are second to none. By choosing Masimo, we received a great system, great people, and a great partner."

> Matt Mahoney, Project Manager - IT, Crouse Hospital, Syracruse, NY



In this example, Patient SafetyNet and Masimo bedside devices were implemented in a top research hospital to address the need for continuous monitoring and alarm management in

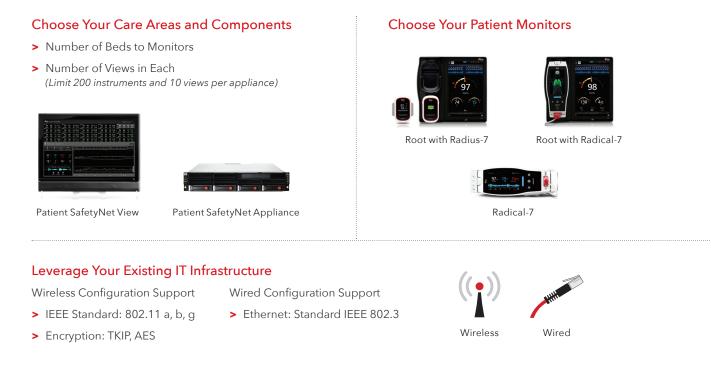
2007 – Pilot Implementation in 36-bed Orthopedics Unit

> \$1.48 million USD opportunity cost savings in the post-surgical unit due to reduction in ICU transfers^{5**}

> Patient SafetyNet with Masimo bedside devices was expanded to cover more than 200 inpatient beds in

> Researchers found 0 preventable deaths or brain damage due to respiratory depression from opiods, over

*The calculation of reduced rapid response activations by 65% was based on reduction of rescue events from 3.4 per 1000 discharges to



Choose Your Notification Platform

Masimo Dedicated Paging System

3rd Party Gateway (Allows 3rd party messaging with gateways that comply to TAP1.6/1.8 over ethernet or HL7)

Masimo Paging System

3rd Party Gateway

Patient SafetyNet Specifications

PATIENT SAFETYNET APPLIANCE		PATIENT SAFETYNET VIEW
Communications AC Power	erating SystemProprietary Linux 2.0 Kernel nmunications	Operating System
Anti-Virus		DEVICE SPECIFICATION
		Refer to Root, Radius-7, and Radical-7 Operator's Manuals

¹ Weinger MB, et al. APSF Newsletter. 2011;26(2):21-40.² Shah N et al. J. Clin Anesth. 2012 Aug; 24(5):385-91.³ The Value of Medical Device Interoperability. West Health Institute. 2013. 4 Taenzer AH et al. Anesthesiology. 2010 Feb; 112(2):282-287. 5 Taenzer AH et al. Anesthesia Patient Safety Foundation Newsletter. 2012. 4 McGrath SP et al. The Joint Commission Journal on Quality and Patient Safety. 2016 Jul;42(7):293-302.





Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

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Connect to EMR Interface (Optional)

Patient SafetyNet incorporates the Masimo Iris Gateway[™], which enables 2-way, HL7 based connectivity to clinical/hospital information systems



