CLINICAL DECISION MAKING.
UNCOMPLICATED.
MORE TIME TO HELP
MORE PEOPLE
Caring for your patients. If you could make it easier, you would. That’s why you got into medicine in the first place. But healthcare has gotten so complicated, it’s hard to devote yourself to that calling as much as you’d like.

**WITH OUR SOLUTION, YOU CAN.**

Working side by side with clinicians like you, we created a customizable remote monitoring and clinical decision support (CDS) system that makes your patients’ monitoring data more meaningful. We integrate the multitudes of data from your individual devices to a single platform. And transform it into smart, actionable information. Delivered to you wherever you are, on virtually any device.

The Vital Sync™ monitoring & clinical decision support solution provides the tools you need to support real-time protocol driven clinical decisions, create workflow efficiencies, and control costs. So you can focus on what’s most important. Caring for your patients.

**ECRI TOP 10 PATIENT SAFETY CONCERNS FOR 2017**

ECRI’s list includes:

- Information management in EHRs
- Unrecognized patient deterioration
- Implementation and use of clinical decision support
- Opioid administration and monitoring in acute care

Many patient safety concerns are preventable with the right support. Our solution is designed to help you address these concerns, along with other challenges you face every day.
The Vital Sync™ monitoring and CDS solution integrates physiological information from devices, transmits it to your hospital server, and makes it available anywhere on your hospital’s network. This integrated software platform can help you gain more value from your medical devices by:

- Making timely, well-informed clinical decisions based on near-real-time data at breath-to-breath, heartbeat-to-heartbeat resolution
- Implementing and automating proven clinical protocols through use of CDS apps
- Viewing patient information remotely and receiving updates and alerts on any web-enabled device
- Early warning to patient deterioration
- Assessment of mechanical ventilator weaning readiness
- Spontaneous breathing trial tracking
- Surveillance monitoring on your medical-surgical and general floors
Whether you’re across the room, across the hospital, or across town — you’ll always be at your patients’ side. And have smarter data at your fingertips to provide timely, informed care.

**INTUITIVE**
Simple user interface, easy to implement, and accessible from any device. So you can be with your patients wherever you are, and have actionable information at your fingertips.

**MEANINGFUL**
Streamlined integration of device data means your information becomes smart, actionable, and in clinical context. So you have the patient insights to make empowered decisions.

**FLEXIBLE**
Different patients, facilities, and clinicians have different needs. The platform is highly flexible and can be scaled to meet your evolving requirements.
YOUR PATIENTS. YOUR TIME. YOUR ECONOMICS.

INTERVENE SOONER.
CDS apps and tools help you understand your patient’s condition better than raw data alone.²

PRIORITIZE WHEN EVERYTHING IS A PRIORITY.
Ease workflow and reduce distractions. So you can focus on providing care.

ELIMINATE BARRIERS TO COST-EFFECTIVE CARE.
A system clinicians, IT, and your finance team can all love.

WITH OUR SOLUTION YOU CAN:
• Be by your patient’s bedside, even when you can’t be, with remote and surveillance monitoring
• Identify patient deterioration sooner with automated early warning scores
• Know the minute your ventilated patients are ready to wean with real-time readiness monitoring

So you’ll have a critical head start to escalate care. And information at your fingertips to inform care decisions.

WITH OUR SOLUTION YOU CAN:
• Get the information you need when you need it, via remote access and alarm forwarding
• Ease workload with EMR connectivity so you can spend less time manually charting.
• Reduce the risk of alarm fatigue with alarm management tools designed to help you reduce nuisance alarms.

So you can identify the situations that really require attention. And have more time to help more people.

WITH OUR SOLUTION YOU CAN:
• Prevent expensive, preventable complications with real-time remote access to patient information
• Control your subscription volume and deployment based on your needs, on a single floor, multiple areas of care, or across a facility enterprise.
• Work with your existing IT infrastructure and EMR and ADT systems

So you can prevent costly complications before they happen. And dedicate more resources to patient care.

DID YOU KNOW?
The first warning signs of patient deterioration can appear as early as six hours in advance of a code blue⁵.
When responding to patient deterioration, timing can be critical. Early warning scores (EWS) help you identify at-risk patients sooner than single parameter monitoring — up to six hours sooner — by calculating a score based on multi-parameter patient information.

The Vital Sync™ EWS app provides automated EWS calculations — using streaming patient data — that you can access remotely. So you know when the first signs of patient deterioration appear and can get a head start on escalating care.

The app continuously monitors patient information from multiple bedside devices, wearable devices, and EMRs, as well as data that has been manually entered, to automatically calculate an EWS based on your facility’s chosen algorithm. And it automatically sends alerts and presents data when and where you need it, on any web-enabled device. This easy remote access to early warning scores and other vital information helps your clinical team prioritize patient care.

With the timely insights from the Vital Sync™ EWS app, you know when to intervene — sooner.

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With the timely insights from the Vital Sync™ EWS app, you know when to intervene — sooner.

**OUR APP GIVES YOU A CHOICE OF COMMONLY USED EARLY WARNING SCORES AND THE OPTION TO CUSTOMIZE YOUR SCORING SYSTEM.**

**The app includes:**
- NEWS – National Early Warning Score
- MEWS – Modified Early Warning Score
- SEWS – Scottish Early Warning Score
- WEWS – Wellington Early Warning Score
- The option to build a score based on your facility’s scoring protocols
Vital Sync™ Weaning Readiness and SBT Monitoring App

Weaning accounts for roughly 40 percent of the total time spent on mechanical ventilation and is a top priority in the ICU. Your challenge, however, is navigating the delicate balance of two extremes. Weaning too late can increase ventilator dependency, length of stay and the risk of ventilator associated pneumonia. Weaning too soon places patients at risk for longer hospital stays — and an up to twelve-times increased mortality risk.

That’s why we developed the Vital Sync™ weaning readiness and SBT monitoring app. So you know the minute your patient is ready to begin weaning and can remotely track their breath-by-breath progress throughout an SBT.

Our app helps you streamline and simplify the implementation of protocol-driven weaning. It lets you set weaning readiness criteria based on AARC guidelines or your hospital’s protocol. And it alerts you and your respiratory team the minute your patient is ready to begin an SBT. So you can start the weaning process at the best time for your patient.

Our app lets you specify parameters like blood pressure, SpO₂, heart rate, and respiration rate to guide your care during an SBT. You can define guardrails that determine the trial’s progress toward a successful conclusion. If your patient falls outside those thresholds, you and your respiratory team are alerted. So you can go to their bedside to intervene — and possibly save a savable trial. Because you can view all this data from wherever you are, you can run multiple SBTs simultaneously. And be by your patients’ side wherever you are.

COLLABORATION AND CUSTOMIZATION MEAN:

• Remote access to information allows respiratory therapists, intensivists, nurses, and other clinicians to collaborate during a trial
• Customization capabilities allow you to tailor the weaning readiness and SBT monitoring features to your own protocols
CLINICAL BENEFITS HELP YOU:

- Follow protocolized weaning practices based on AARC guidelines or your facility’s protocols
- Identify the minute patients are ready to wean and receive readiness alerts remotely
- Monitor SBTs remotely, access trial progress alerts, and intervene if needed
- Receive readiness to extubate alerts remotely
- Avoid the risks of prolonged ventilation

When starting the weaning process — and collaborating with your team throughout an SBT — every minute matters. With the Vital Sync™ weaning readiness and SBT monitoring app, time is on your side.
The multitudes of data from your individual devices and systems is integrated and transmitted to your hospital server where it is transformed to provide near-real-time, clinically meaningful information. Available where and when you need it — on virtually any device.

- Medtronic devices
- Third party devices
- EMR
- Manual inputs

- Single platform for all data
- CDS tools and apps based on proven protocols
- Smart data analytics
- Reporting at a patient, unit, facility level

- Intuitive user interface
- Remote access
- Alarm forwarding
- Central monitoring

We developed the Vital Sync™ monitoring and CDS solution to give you smart, actionable data that you and your clinical teams can access anytime, anywhere.
The introduction of the innovative Vital Sync™ monitoring and CDS solution is a big step forward, yet it’s only a first step.

We’re committed to expanding both the capabilities of the platform itself and the number of meaningful CDS apps. So we can help in even more areas in your hospital.

We strive to identify the issues most important to you. And we partner with you to create helpful solutions to simplify what you do every day. Do you have a protocol that you would like to have available as an app in the Vital Sync™ solution? If so, please contact your local sales rep.

Together, let’s make clinical decision making uncomplicated.


*Vital Sync™ Physiological Patch is an alternative name for the Zephyr™ BioModule. The function and form of the Vital Sync™ physiological patch are identical to that of the Zephyr™ BioModule.