An open architecture enabling device connectivity to any EHR

Connecting people to devices, devices to the workflow and the workflow to outcomes

A comprehensive approach

The Cerner *CareAware* platform can connect medical devices to any EHR platform, enabling bi-directional data sharing in order to maintain a single source of truth for patient data.

Connecting validated medical devices to the EHR is an important step toward medical device interoperability. By closing this knowledge gap, manual data transcription errors and workflow inefficiencies decrease, while access to a richer set of patient information, clinical decision-making abilities and patient outcomes can be improved.

This architecture is an enterprisewide approach for device integration, reducing the need to work through multiple vendors to achieve connectivity.

Key benefits

CareAware iBus is designed to:

- Be a workflow-driven solution that connects devices to the EHR, making it the single source of truth
- Consolidate devices and systems for streamlined management and maintenance
- Lead to less time charting and more time spent caring for patients

Continuous patient monitoring

CareAware iBus® automates the collection of continuous device measurements, presenting them to the nurse on an intuitive validation flowsheet for validation and correction, before being automatically included in the patient's record.

Interoperability between medical devices

In addition to the traditional *CareAware iBus* infrastructure, the *CareAware iBus* can also be adopted as a cloud-based infrastructure. The cloud-based option provides a continuous delivery model when implementing and deploying solutions such as *CareAware VitalsLink®*, *CareAware iBus* for Bedside Medical Device Integration and *CareAware iBus* for Medical Device Integration. Solutions are deployed and receive updates automatically, reducing the amount of time spent doing manual updates and upgrades. The cloud-based model helps to ensure clients are working with the most up-to-date software.

Mobile vitals collection

One of the most common workflows for a nurse is taking a patient's vital signs. Once the vitals are collected, nurses are typically required to manually enter the vital signs into the patient's EHR, creating a potential source of error or a delay in vitals being entered.

CareAware VitalsLink provides a streamlined, barcode-driven process on an integrated device for clinicians to chart vitals data directly into any EHR system at the point of care, directly from the device.

Alarm management

CareAware Event Management™ (referred to as *CareAware AlertLink®* in non-U.S. markets) is a sophisticated notification integration system that routes critical alerts to care team members. By collecting alarm data from devices, nurse calls and ancillary third party technologies, it's easier to intelligently inform and appropriately notify the right people. With *CareAware Event Management*, health care organizations can use software, reporting and other tools to provide a holistic view of the alarm environment at a glance.

CareAware Connect

CareAware Connect™ is a clinical communication and collaboration platform that unifies communications for all roles and venues. This solution brings together care team members and ancillary staff in a single location—on the smartphone—to increase collaboration and provide an efficient means of communication.

Cerner Patient Observer

Cerner Patient Observer™ is a virtual observation solution that enables a trained observation technician to monitor multiple patient rooms from a central monitoring station, helping to reduce sitter labor costs and prevent falls and other adverse events that occur in hospitals.

Integrated device strategy

With more than 50 validated device partners and a driver library of over 1,000 drivers to enhance and simplify our clients' health care experience, Cerner is working with our clients and partners to continue to evolve the device portfolio.

To view a list of the validated drivers and devices, please click or visit https://connect.ucern.com/docs/DOC-78739.

About Cerner

We're continuously building on our foundation of intelligent solutions for the health care industry. Our technologies connect people and systems, and our wide range of services support the clinical, financial and operational needs of organizations of every size.

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