

PRODUCT

VitalScout is a vital signs monitoring platform designed to simplify and automate complex tasks associated to patient care.

INDICATION

Inpatient Adult Patient Vitals Monitoring

VALUE PROPOSITIONS

Increase visibility of vital signs reporting and trends.

Highlight deterioration risk for clinical intervention.

Promote clinical best practices complementary and seamless to existing workflows.

CONTACT INFORMATION

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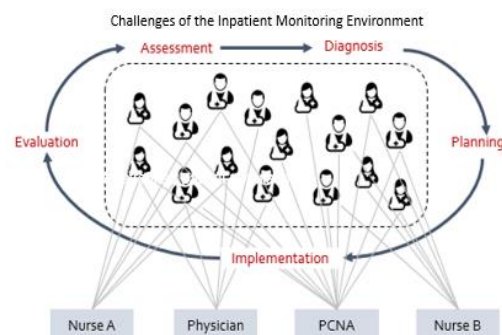
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VitalScout: EMR-Enhanced Early Warning System

Andrew Brookhouse, Kathleen Mau, Suzanne Fink, and Brent Hicks

PROBLEM/OPPORTUNITY

Patient vital signs (vitals) are a collection of measurements that can be observed and used to assess general medical status. Vitals capture include blood pressure, heart rate, respiratory rate and effort, and temperature. The best intentioned and most experienced teams of clinicians and nurses are challenged by the frequency of vitals monitoring, communication, documentation, and scoring. The inpatient hospital setting demands attention to a very complex set of tasks allowing subtle, but valuable, sometimes subtle, changes and trends in vitals to go unnoticed.



SOLUTION/PRODUCT

VitalScout is a vital sign monitoring, automated early warning, accountability, and best practices system created at Cleveland Clinic. Integrated with the Electronic Medical Record (EMR), the system facilitates rapid recognition of patient vital sign changes and presents patient risks to the caregivers monitoring patients. Catching these deterioration risks promotes earlier clinical intervention and save lives.

VitalScout was designed and implemented at Cleveland Clinic. The solution monitors 3500 beds across the Clinic's US footprint. The "Always On" screen saver is contextualized for each location displaying HIPAA de-identified, patient data outside the native EMR. Patient risk presented to staff at nursing stations and in-room/portable workstations prompt appropriate clinical actions. VitalScout also reinforces current evidence based best practices in vitals collection and management. VitalScout increases awareness and availability of critical vitals data so that patient lives can be saved.

Clinical outcomes measured over time include:

- 40% decrease in hours patients spent at high acuity
- 34% decrease in time to reassess vitals following an acute event
- 46% increase of high acuity patients monitored <= 2 hours
- Overall increase in rapid response team activation while decreasing those <24hrs.

