Continuous Vital Signs Monitoring
When Early Detection and Intervention Matter in the General Ward

All Vitals Matter. All the time.

FDA-cleared ViSi Mobile offers an "all-in-one," wearable, continuous multi-parameter monitoring designed for patients in the general care ward. With ViSi Mobile, early signs of deterioration can be detected, enabling timely interventions and preventing complications and adverse events.

Current Monitoring Protocol

Advanced monitoring is standard in ICUs, yet nearly half of all adverse events in hospitalized patients occur on the general care ward\textsuperscript{1,2,3} where current monitoring protocols typically consist of intermittent spot checks by a nurse about every 4-8 hours. This leaves patients unmonitored for most of the time\textsuperscript{4} where subtle abnormalities in vital signs go undetected until complications arise. An alternative approach, studies have shown that continuous vital signs monitoring is associated with significant improvements in key clinical outcomes in patients treated in the general care ward.\textsuperscript{5,6}

ViSi Mobile bridges the gap between intermittent spot checking and ICU intensive monitoring. With continuous surveillance monitoring of key vital signs, early recognition and detection of patient deterioration enables clinicians to make timely and effective interventions.

See what ViSi Mobile did for a Mid-Atlantic medical center\textsuperscript{+}

Authors: Verrillo, DNP, RN, CRRN; Cvaich, DNP, RN, FAAN; Hudson, DNP, RN, BC; Winters, PhD, MD, FCCM | Johns Hopkins Hospital, Health System, and School of Nursing

\begin{tabular}{lcc}
 & \textbf{Control} & \textbf{ViSi} \\
\begin{tabular}{c}
Risk of patients developing complications \\
22\%
\end{tabular} & \begin{tabular}{c}
5.9\%
\end{tabular} & \begin{tabular}{c}
\end{tabular} \\
\begin{tabular}{c}
Number of transfers to the ICU \\
5.4\%
\end{tabular} & \begin{tabular}{c}
4.5\%
\end{tabular} & \begin{tabular}{c}
\end{tabular} \\
\begin{tabular}{c}
Patient compliance with using ViSi \\
38\%
\end{tabular} & \begin{tabular}{c}
62\%
\end{tabular} & \begin{tabular}{c}
\end{tabular}
\end{tabular}

\textsuperscript{+}Journal of Nursing Care Quality, August 2018
An “all-in-one” vital signs Surveillance Monitoring for the General Ward

• All vital signs are continuous
• Lightweight ICU-grade monitor
• Unparalleled patient mobility and comfort
• Wi-Fi connectivity & EHR compatible
• Distributed monitoring and alarming
• Posture alarms (motion & pressure ulcer)

1 – HR from ECG
2 – PR from SpO2
3 – PR from NIBP
4 – Posture
5 – NIBP Spot Check
6 – NIBP after 30 seconds
7 – Continuous NIBP

Basic Continuous Monitoring

Basic monitoring includes:
• SpO2/Pulse Rate

Continuous Vital Signs Monitoring

Continuous vital signs includes:
• Cuffless cNIBP (Continuous Non-Invasive Blood Pressure)
• LTAA
• SpO2/Pulse Rate
• RR and Skin Temperature
• ECG – 3 and 5 Lead
• NIBP (Cuff-Based)
• Motion/Posture

ViSi MOBILE

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+Journal of Nursing Care Quality, August 2018
**Flexible Configuration for any Level of Care**

**Basic Continuous Monitoring**

- Basic monitoring includes:
  - SpO2/Pulse Rate

**Continuous Vital Signs Monitoring**

- Continuous vital signs includes:
  - Cuffless cNIBP (Continuous Non-Invasive Blood Pressure)
  - LTAA
  - SpO2/Pulse Rate
  - RR and Skin Temperature
  - ECG – 3 and 5 Lead
  - NIBP (Cuff-Based)
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See what ViSi Mobile did for a Mid-Atlantic medical center+

+ Journal of Nursing Care Quality, August 2018

73% 17% 63%

Risk of patients developing complications

Number of transfers to the ICU

Patient compliance with using ViSi

Remote Viewing Display (RVD)

Current Monitoring Protocol

Advanced monitoring is standard in ICUs, yet nearly half of all adverse events in hospitalized patients occur on the general care ward where current monitoring protocols typically consist of intermittent spot checks by a nurse about every 4-8 hours. This leaves patients unmonitored for most of the time where subtle abnormalities in vitals signs go undetected until complications arise. An alternative approach, studies have shown that continuous vital signs monitoring is associated with significant improvements in key clinical outcomes in patients treated in the general care ward.
FDA-cleared ViSi Mobile offers an “all-in-one,” wearable, continuous multi-parameter monitoring designed for patients in the general care ward. With ViSi Mobile, early signs of deterioration can be detected, enabling timely interventions and preventing complications and adverse events.

- Cuffless (cNIBP) Continuous Non-Invasive Blood Pressure
- Heart Rate
- SpO2
- Pulse Rate
- Life-Threatening Arrhythmia & Atrial Fibrillation (LTAA)
- EKG
- Posture
- Respiratory Rate
- Fall Detection
- Skin Temperature
Continuous Vital Signs Monitoring

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