



# ACCURATE READINGS ARE VITAL

## Moving from Manual to Digital Vital Signs Acquisition

Vital signs matter. The first set of patient vital signs can provide a baseline reference for the entire chain of healthcare. The pressure to get it right is high.

## Do these common worries sound familiar?

If so, it may be time for your practice to move to digital vital signs acquisition.



*This blood pressure reading seems high. My patient is clearly uncomfortable here. Should I screen for hypertension or chalk it up to nerves?*



Evidence suggests that manual single-reading methods may not be sufficient for identifying and diagnosing hypertension. Mitigating factors may include white coat hypertension, among others.<sup>1</sup>



Blood pressure averaging has been shown to reduce misdiagnosis of hypertension by up to 56%.<sup>2</sup> The Welch Allyn® Connex® Spot Monitor features automated blood pressure averaging and can be used for unattended monitoring. That means clinicians can leave the room while blood pressure is measured—helping to reduce the risk of white coat hypertension without impacting accuracy.



*Did I type in that patient's blood pressure as 117/76 or 171/76?*



Manual transcription can easily lead to data entry errors and omissions in the EMR, which can negatively impact treatment decisions and patient outcomes.



Connect the Spot Vital Signs® 4400 Device or Connex Spot Monitor to EMR's, sending accurate, timely vital signs data to your EMR with the tap of a button. No manual data entry required.



**Hillrom**™



*Today was a busy day. In a rush, I rounded a few blood pressure readings up or down. I hope it doesn't impact diagnosis.*



Under- or overestimating blood pressure by as little as 5 mmHg can lead clinicians to incorrectly rule in or out hypertension. The ramifications could include improper medication, unnecessary costs and negative psychological reactions.<sup>3</sup>



The Connex Spot Monitor will record exact measurements and send them directly to the EMR for more accurate documentation.



*My co-workers tell me I don't hear as well as I used to. Could that be affecting my blood pressure assessments?*



Hearing levels and other environmental factors can impact the accuracy of manual readings.<sup>4</sup> Hearing loss may lead to misreading the Korotkoff sounds at systolic blood pressure and diastolic blood pressure.<sup>5</sup>



The Connex Spot Monitor will capture a full set of automated patient vitals in under a minute<sup>6</sup>, and help standardize clinical technique across practitioners.

## INTEGRATING THE CONNEX SPOT MONITOR OR SPOT VITAL SIGNS 4400 DEVICE INTO YOUR PRACTICE CAN HELP YOU:

- Standardize workflow and clinical technique across practitioners.
- Provide accurate data, speeding up decision making and improving patient safety.
- Eliminate documentation and transcription errors.

### FEATURES:

- SureBP<sup>®</sup> technology measures on inflation for a more comfortable, accurate and expedient read (average 15 seconds per read).
- The Connex Spot Monitor has six customizable protocols. The Spot Vital Signs 4400 Device has one protocol for delay to start, time between measurements and reading discards.
- EMR connectivity for direct documentation in the patient chart.
- Partnership with leading pulse oximetry manufacturers The Connex Spot Monitor can use Masimo<sup>®</sup>, Nellcor<sup>®</sup> or Nonin<sup>®</sup> pulse oximetry. The Spot Vital Signs 4400 Device uses Nonin pulse oximetry.



Contact your Hillrom representative to learn more.



hillrom.com

<sup>1, 4</sup> Pickering, Thomas G., MD, DPhil, et. al: Recommendations for Blood Pressure Measurement in Humans and Experimental Animals. Circulation. 2005; 111:697-716.

<sup>2</sup> Robert Smith, MD. Blood pressure averaging methodology: Decreasing the risk of misdiagnosing hypertension

<sup>3</sup> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2911816/>

<sup>5</sup> <https://www.ncbi.nlm.nih.gov/pubmed/24361920>

<sup>6</sup> Estimate based on standard acquisition times for Welch Allyn sensors: Approximately 15 seconds for blood pressure, 4 to 7 seconds for temperature, and 8 to 12 seconds for SpO<sub>2</sub>

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