

Using Continuous Vital Sign Monitoring to Detect Early Deterioration in Adult Postoperative Inpatients

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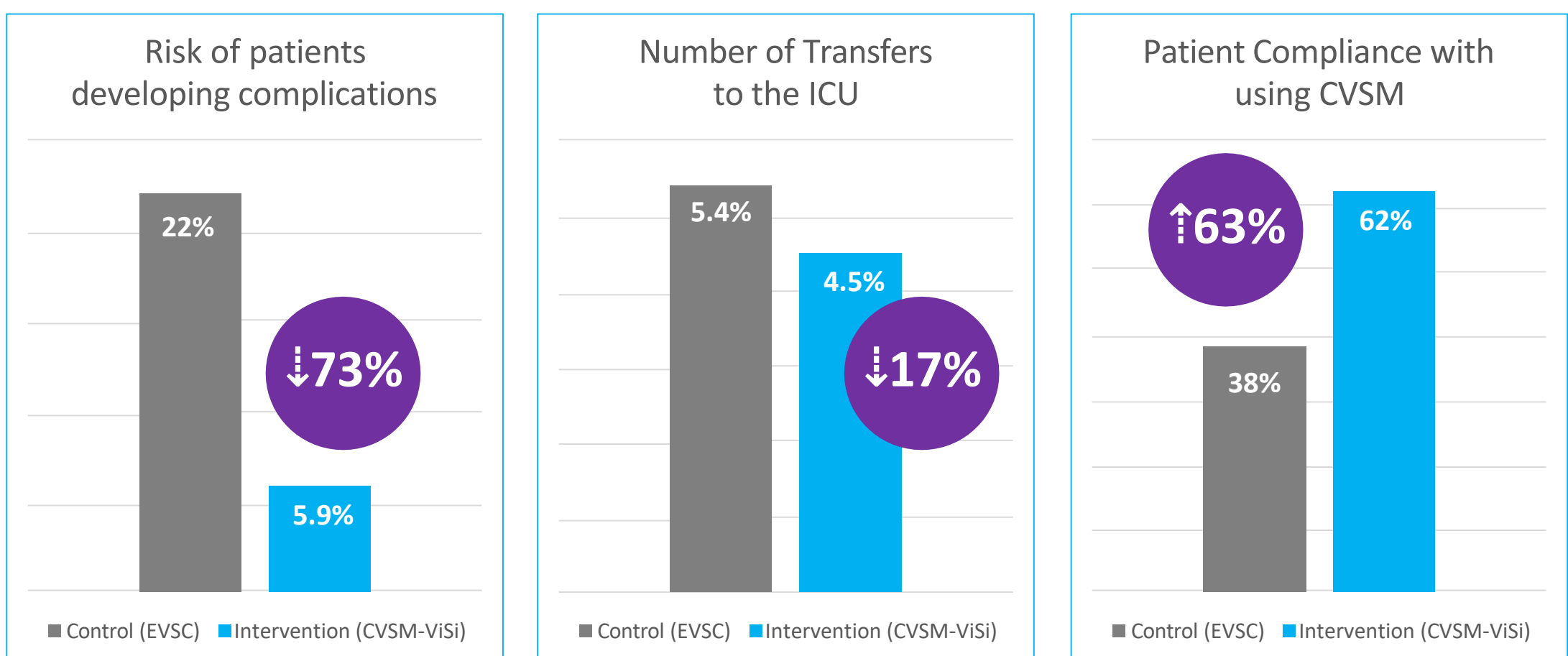
Link to Full Article: <https://jhu.pure.elsevier.com/en/publications/continuous-monitoring-to-detect-failure-to-rescue-in-adult-postop>

The current standard in patient monitoring, Episodic Vital Sign Collection (EVSC) is unable to provide a comprehensive view of a patient's postoperative physiologic status, hindering the early intervention of patient deterioration. Delayed detection results in poor post-surgical patient outcomes.

Study Objective & Methods

The study to compare the outcomes between EVSC and Continuous Vital Sign Monitoring (CVSM) was conducted at a 32-bed orthopedic, orthopedic-spine, and trauma general care ward. The control group (using EVSC) consisted of retrospective chart reviews of 427 patients spanning 12 weeks (Aug 11, 2015-Nov 8, 2015) vs an intervention group on CVSM(ViSi) of 422 patients over 12 weeks (Dec 11, 2015-Mar 8, 2016)

Notable Highlights






Keeping An Eye on Life

Up to 75% of adverse events and preventable deaths occur outside the ICU in unmonitored beds¹. With Sotera's ViSi Mobile Surveillance Monitoring System, clinicians are empowered to detect early signs of deterioration in virtually any care setting, enabling early intervention and rapid response.

When early detection matters, ViSi Mobile can make the difference. Transform the way vital signs are monitored with ViSi Mobile today.

¹http://www.ihl.org/education/conferences/APACForum2012/Documents/I2_Presentation_Diagnostics_Haraden.pdf

RESULTS

-  Significant reduction in risk of developing complications among the CVSM (ViSi) group
-  Fewer transfers to the ICU with no Failure to Rescues
-  Increased compliance demonstrates improved staff comfort with using ViSi Mobile