



Objectives:

- Define continuous multi-parameter surveillance monitoring (CMSM)
- Describe how CMSM alerts staff of clinically relevant alarms
- Explain how the CMSM device can improve patient outcomes for medical-surgical floor patients
- Discuss the importance of staff education with CMSM device usage

Failure to Rescue is: Failure to Recognize Patient Deterioration Leading to Failure to Intervene Leading to Fatality (AHRO, 2016)

<u>Problem: Preventing Failure to Rescue</u> (continued)

- Studies "have shown deterioration of vital signs 6-12 h prior to a serious clinical event" (Welch et al., 2015).
- "Institute for Healthcare Improvement (IHI) data reveals that between 25-75% of non-DNR hospital deaths in U.S. hospitals occur unmonitored, outside of the ICU" ("Effective Surveillance Monitoring," 2015).
- "health care systems should be able to rapidly identify and treat complications" (AHRQ, 2016).

Solution:

Continuous Multi-Parameter Surveillance Monitoring (CMSM)

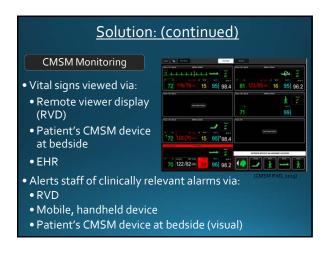
- 24/7 non-stop monitoring of:
- Heart Rate
- Respirations
- SpO₂
- Temperature
- Continuous Non-Invasive Blood Pressure (cNIBP) (multiple blood pressure readings per minute)

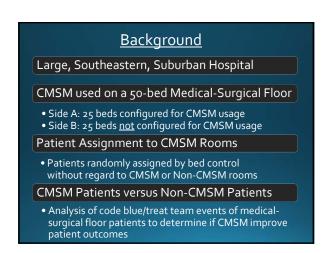
CMSM Facilitates:

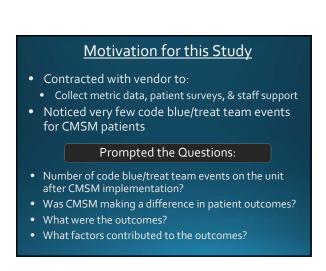
- Early Recognition and Identification of Patient Deterioration
 - To Promote Early Intervention
 - To Decrease Failure to Rescue Events

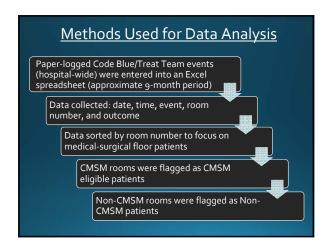
(Hravnak et al., 2008)

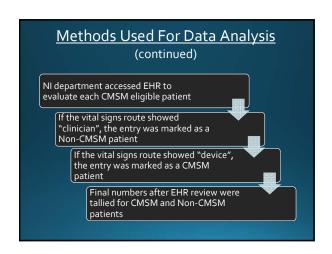


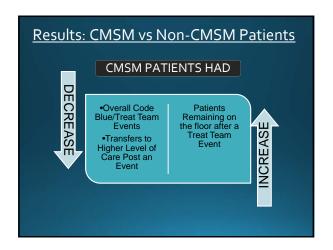






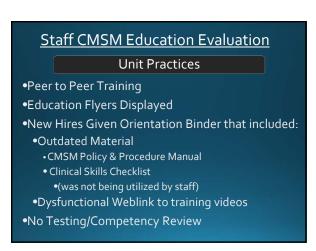








Staff CMSM Education Evaluation Vendor Recommendations •Formal instruction with CMSM application practice •Competency Testing •Workflow Document •Clinical Skills Checklist •Vendor Instructional Videos •Educational Flyers •Designate Super Users



Lessons Learned Staff Education • Educate staff of Data Trends and How to Respond • Ensure New Hires Receive Consistent, Structured Training • Reinforce Existing Staff Knowledge of CMSM Communicate Findings with Staff • A Dashboard can show CMSM's Impact and Actions • Seeing Results Engages the Staff Management and Culture • Management involvement from the top - down • Increase use of super-users on the floor • Develop a culture of ownership among staff

Questions/Comments?



