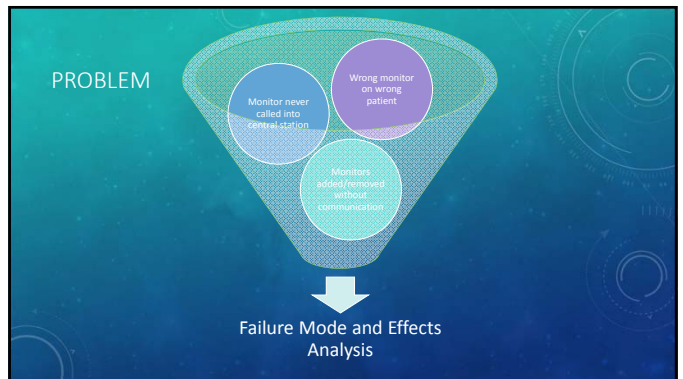
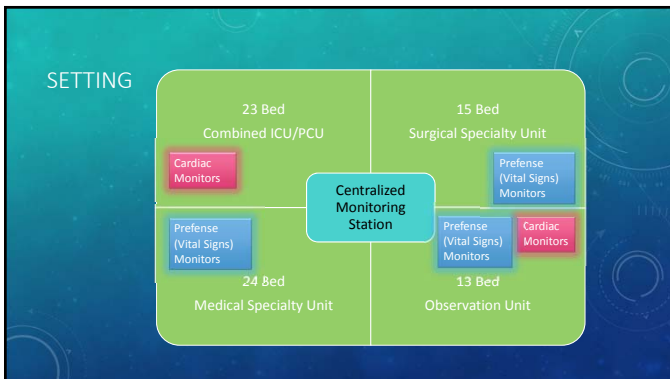
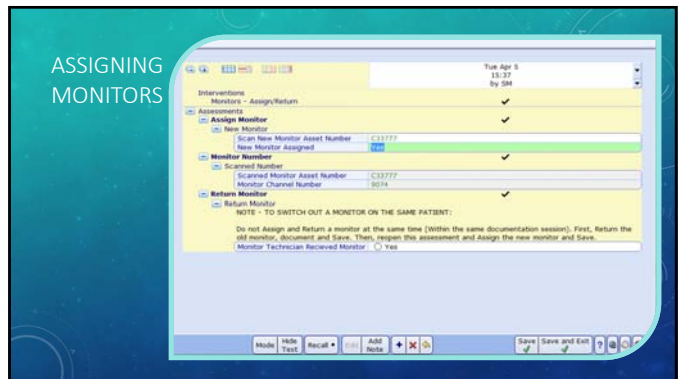
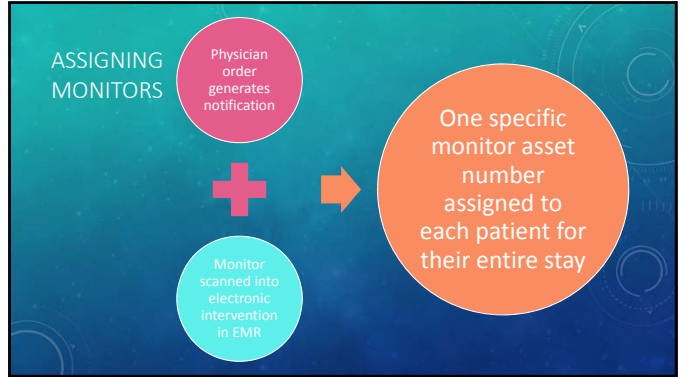
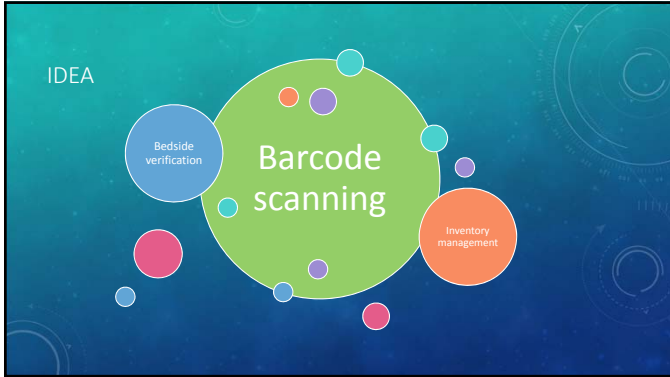


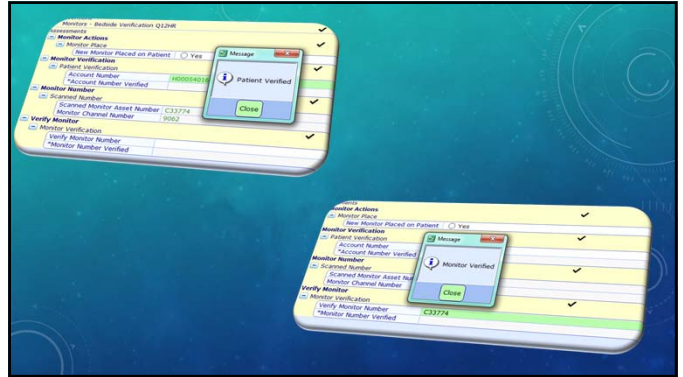
BEDSIDE TELEMETRY MONITOR SCANNING

STEVEN MCPHERSON, BSN, RN

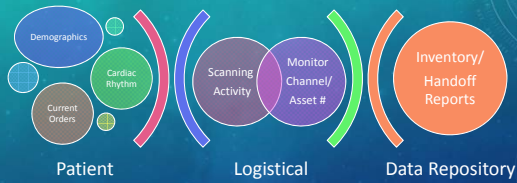




MONITOR BROUGHT TO BEDSIDE



CAPTURING INFORMATION

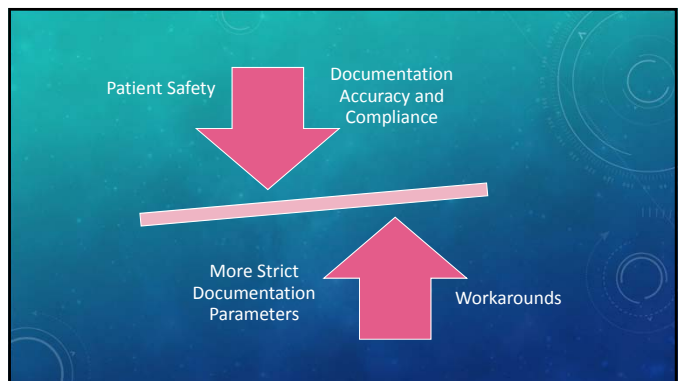
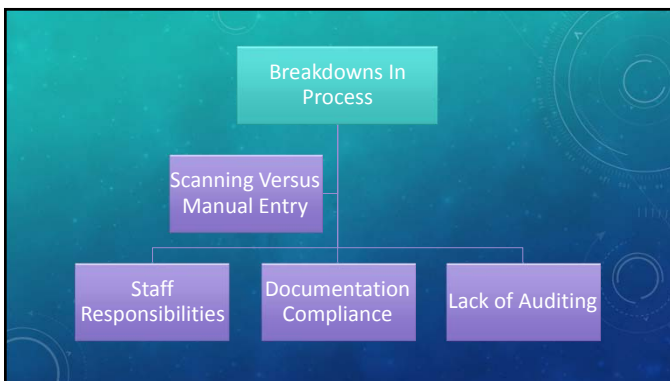
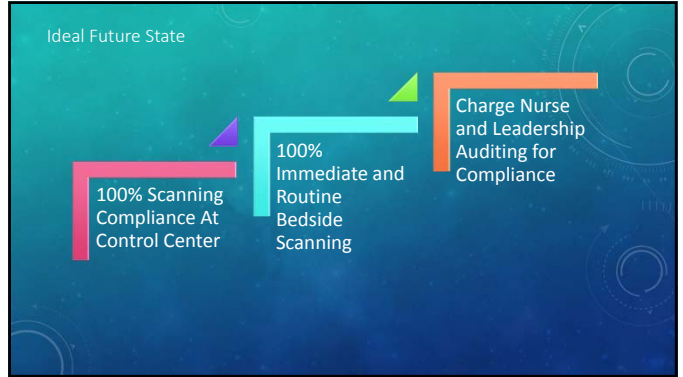
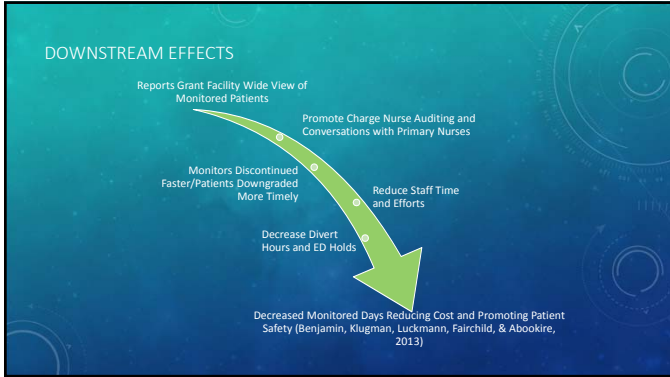


REPORTS

- Functions**
- Handoff
- Inventory
- Discontinuation
- Readiness
- Order Management
- Compliance
- Decrease
- Monitoring Errors
- Acuity/Census
- Trends

A screenshot of a 'Current Patient Monitor Status' report table. The table lists patient information and monitor status across various hospital units.

Unit	Account Number	Asset #	Bed	Status	Position	Cardiac Monitor	Last Policy	Last Report	Last Event
3724	00000163	00000163	420A	OK	Supine	OK	08/08/2016 08:00	08/08/2016 08:00	OK
3724	00000163	00000163	420A	OK	Supine	OK	08/08/2016 08:00	08/08/2016 08:00	OK



WORKAROUNDS

A mixed method study performed at a 470-bed Midwestern academic tertiary hospital identified 15 workaround types performed by nurses during barcode medication administration. These workarounds related directly to ones formed around telemetry monitor scanning (Koppel, Wetterneck, Telles, & Karsh, 2008)

The pie chart is divided into three segments: a red segment for 'Steps Performed Out of Sequence', a purple segment for 'Omission of Process Steps', and a pink segment for 'Unauthorized Process Steps'.

SCANNING COMPLIANCE

The diagram shows a flow from 'Original Captured Query' to 'Entered Query' to 'Verified Scanned'. Below this, a starburst diagram shows 'Scanner as an Input Device' plus 'Requested Value Apparent to End-User' equals 'Bedside Not Necessary to Complete Required Fields'.

GETTING CREATIVE

The screenshot shows a software interface with a 'Main Variables Rule Notes Info' menu. A thought bubble contains a table with columns for 'Activity Type', 'Activity Date', and 'Activity User'. The table lists several activities for a patient named 'MORRIS, JAMES'.

Activity Type	Activity Date	Activity User
Bedrest	08/20/16 13:45	Regina
Document	08/20/16 20:28	Regina
Document	08/20/16 22:23	Regina
Document	08/20/16 08:00	Regina

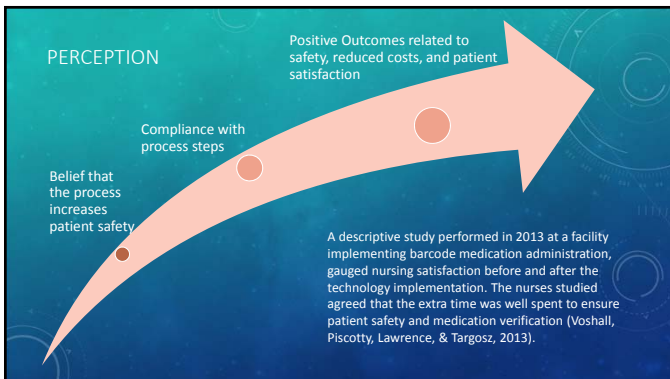
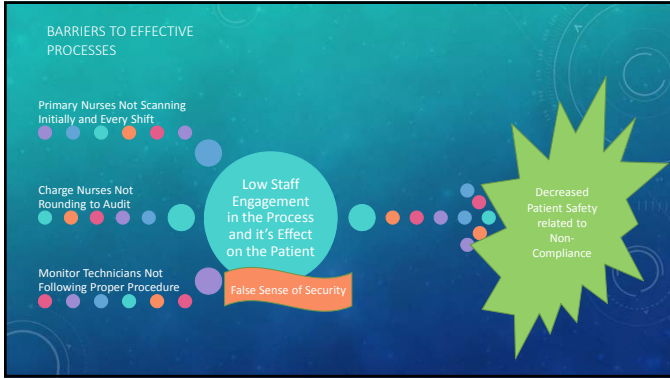
BACKED INTO A CORNER

The screenshot shows a software interface with a red box highlighting a section titled 'A3: Monitor and Patient Identification'. The section includes a 'Problem Statement' and a list of 'Additional education on what defines a complete verification process'.

Problem Statement: Failure in patient and monitor identification at the time a cardiac monitor will be placed on a patient can lead to potentially life threatening adverse events.

Additional education on what defines a complete verification process:

- Increased communication regarding unit compliance between unit leadership and frontline staff.
- Nurse calls the Monitor Technician and verifies the following:
 - Patient Name
 - Patient ID
 - Can rhythm/physiological data be seen on the monitor
- The Monitor Technician provides the nurse with an initial rhythm upon monitor acquisition/verification.



REFERENCES

Benjamin, E. M., Klugman, R. A., Luchmann, R., Fairchild, D. G., Abookre, S. A. (2013). Impact of cardiac telemetry on patient care and cost. *American Journal of Managed Care*, 39(6)(e225-32, 2013 Jun. Retrieved from <http://ovidsp.tx.ovid.com/sp-1.18.06/ovidweb.cgi?&=OPAGFFMPHBDGHPNCJADLBOECLAA000&Complete-Reference=S.sh.2117c697c1>

Koppel, R., Wettebeck, T., Tellez, J. L., & Karsh, B. (2008). Workarounds to barcode medication administration systems: Their occurrences, causes, and threats to patient safety. *Journal of the American Medical Informatics Association*, 24(4), 408-423.

Voshell, B., Piscotty, R., Lawrence, J., & Targosz, M. (2013). Barcode medication administration work-arounds. *The Journal of Nursing Administration*, 43(10), 530-535.