

Pennsylvania's
Multi-Hospital Initiative to
Reduce
Mislabeled/Misidentified
Blood Specimens



The Legacy

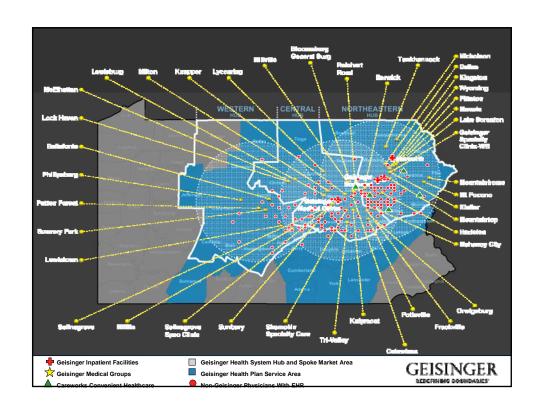


Abigail Geisinger 1827-1921 In 1915, Abigail Geisinger inspired her first surgeon-in-chief, Harold L. Foss, to use his Mayo Clinic training to create a hospital grounded in the concepts of group practice and an interdisciplinary team approach to patient care.

"Make my hospital right; make it the best!"

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- 2009 Healthcare facilities in Northeast Pennsylvania are invited by the Pennsylvania Patient Safety Authority to discuss errors associated with labeling of laboratory specimens.
- Nine healthcare facilities agree to collaborate to reduce blood specimen labeling errors.
- Geisinger Wyoming Valley Medical Center participates
- The Pennsylvania Patient Safety Authority facilitates the initiative



What is the Pennsylvania Patient Safety Authority?

- An independent agency of the Commonwealth of Pennsylvania
- Established under ACT 13 of 2002 Mcare Act (Medical Care Availability & Reduction of Error Act)
- Healthcare facilities must report serious events and near-miss incidents
- June 2004 Statewide mandatory reporting
- First state in the nation to require this type of patient safety reporting.

http://patientsafetyauthority.org

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Goals of the Collaborative:

 Decrease blood specimen mislabeling events by 50%



 "The right blood specimen is correctly labeled for the right patient every time."

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Guidelines of the Participants

- Sites will report all events electronically
- An event is defined as:
 - Blood specimens that do not meet the local facilities' criteria for labeling.
- Included:
 - unlabeled, partially labeled, illegible, wrong patient/label
- Excluded:
 - point-of-care testing

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Collaborative Tools & Resources Group Workshops:



- Mapping the process
- Role playing & tips on event investigation
- Human factors
- Just Culture™



Biweekly conference calls

Guest Speakers

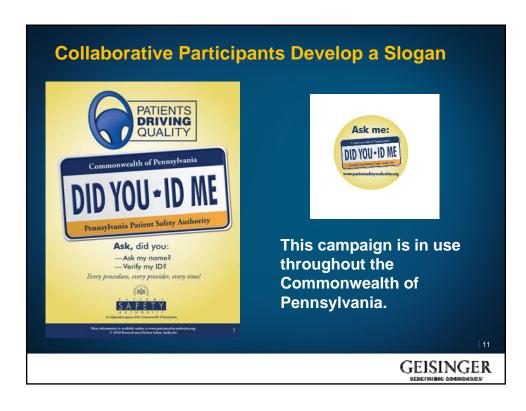
Sharing Ideas & Experiences

- What's working?
- Cheering others on....



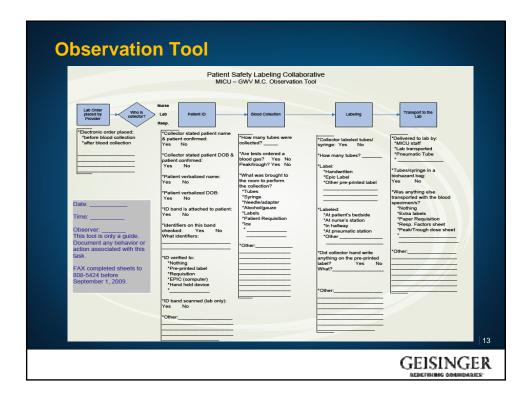
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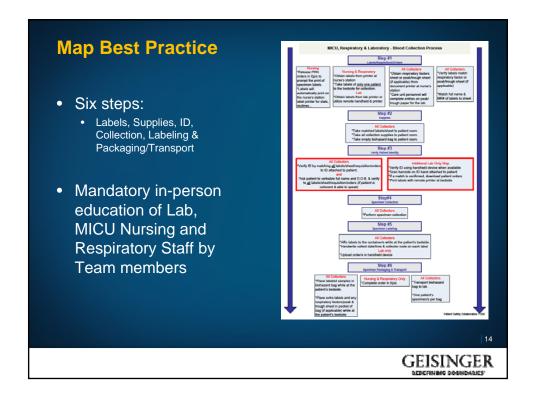


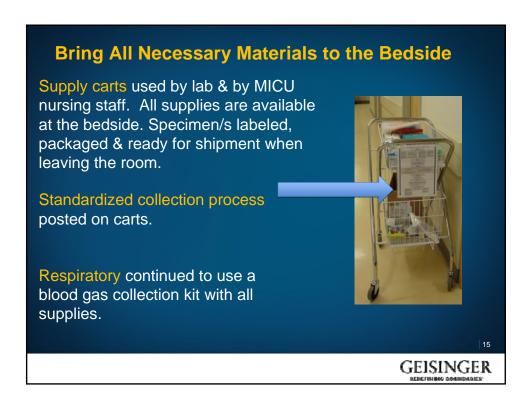


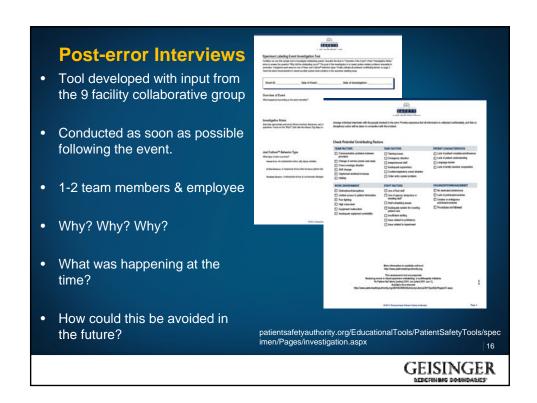
Geisinger Wyoming Valley M.C. Initiative

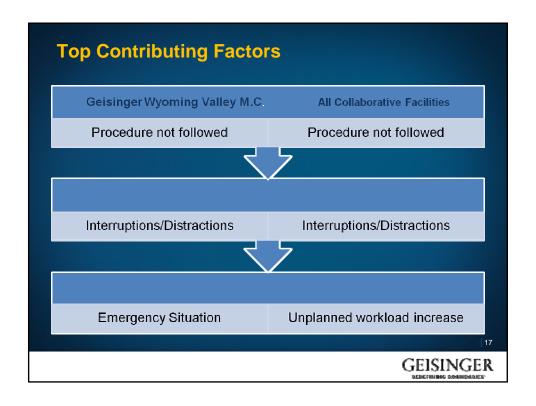
- Select a Patient Care Unit MICU (Medical Intensive Care Unit)
- Assemble a Team & Choose a Project Manager
 - · Laboratory, Nursing, Respiratory, Risk Management & Regulatory PI
- Launch a system-wide electronic educational course for all specimen collectors
- Observe the current process
 - All shifts
 - · Lab, Nursing and Respiratory blood collections

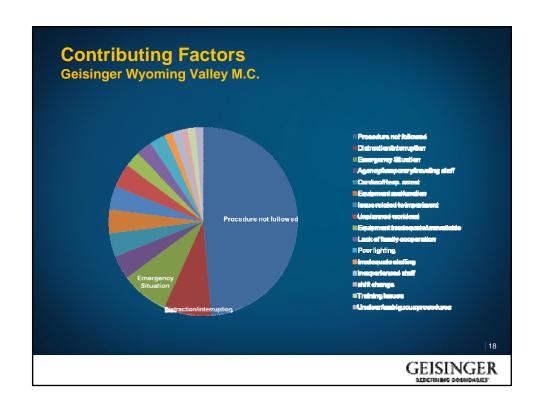












Evaluate Patterns

- Mismatches of blood and requisition.
- Barrier Identified: Several blood collections also require a requisition (ABG, whole blood profiles)
- Requisition prints on paper printer, label on label printer. Requisition prints a few minutes prior to label.
- Ideas: eliminate requisition, convert requisition into a label, send information from EMR
- IT & LIS involved however this barrier remains unresolved



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Evaluate Patterns

- Labels of more than one patient involved in event
- Barriers identified: No break between labels of different patients. Too many labels.
- Blank Label IT could not find a solution with current printing software.
- Blank label did feed if labels were routed to only one of two printers on unit.
- Unit staff voted to pilot use of only one printer. Temporary resolution.
- Issue of too many labels to be addressed in future LIS upgrade. Barrier remains unresolved.



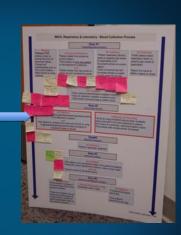


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Evaluate Patterns

- ID verification failures.
- Barriers Identified: Lab using electronic ID technology to supplement verbal & visual ID. Most patients not verbal. Inconsistency in practice.
- Team recommendation Pilot electronic technology with bedside label printing for nursing/respiratory collections. No strong support to implement this technology outside the lab.
- Stressed process redundancy for ID. ID verification discussed in every intervention with front line staff.





Change the Culture

- •Launched the "Did You ID Me" Campaign
- Doctoral involvement
- Storytelling staff meetings
- Case studies with discussion staff meetings
- •Own the process discussions staff meetings
- Thank you emails following post error interviews "thank you for helping us improve patient safety"



 Balance accountability & an environment of learning •human error, at risk behavior, reckless behavior



Case Study Example

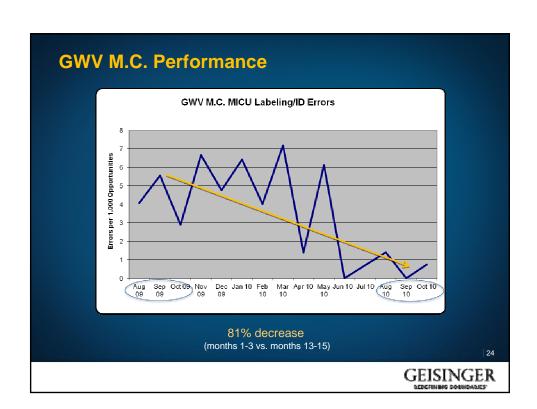
The lab received blood collected via a-line labeled as **Patient A**. **Patient A's** hemoglobin was 7.5. The provider phoned the lab to recheck testing as the patient was stable and **Patient A's** previous hemoglobin was 11.4. The lab performed a blood type on the tube labeled as **Patient A** and proved that it could not be the blood of **Patient A**. The blood collector stated:

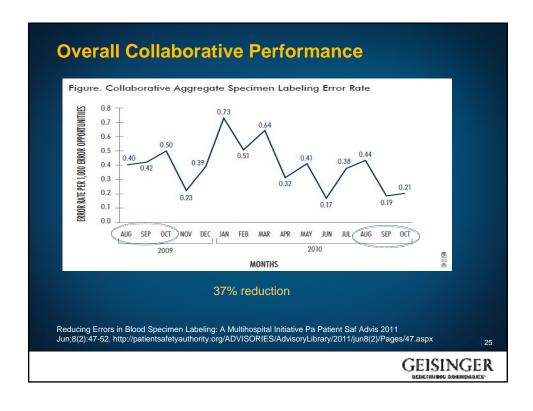
"Patient A is not my patient. I drew Patient B and used the labels that were on his bedside table".

- · What is your assessment of this specific case?
- Would following the outlined blood collection process have prevented this error? How?
- What questions would you ask the collector?
- What are your thoughts about leaving labels in a patient's room?
- What are your recommendations to avoid this type of error?

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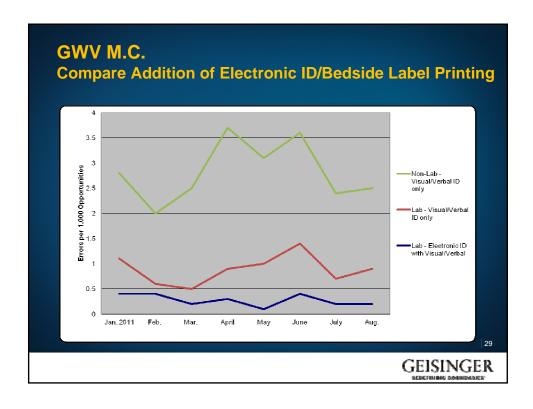






Sustainability The Collaborative formally ends November 2010 GWV M.C. team hands over the process to Operations. GWV M.C. MICU Labeling/ID Errors GWV M.C. MICU Labeling/ID Errors Aug-Sep Oct Nov Dec Jan- Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan- Feb Mar Apr May Jun Jul Aug TO SEISINGER REGETAINER EDMANDARES





Benefits of a Collaborative

- Multi-hospital initiatives gets the attention of your organization
- Benchmark your performance to peers
- Friendly Competition Similar issues and goals
- Professional Networking
- Educational Opportunities
- Maybe that can work for us?

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