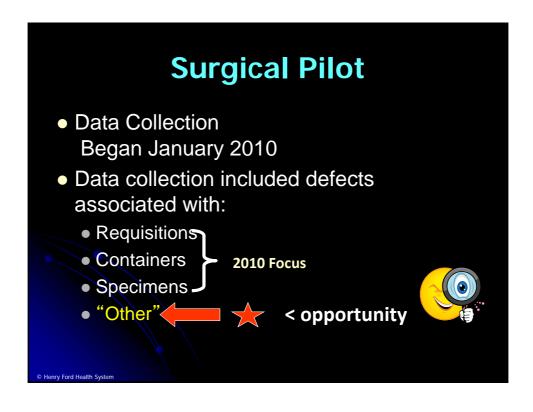




# Surgical Services OR Educators Nurses Administration Department of Surgery Chair Surgeons Film Crew Residents Department of Pathology Pathologists' Assistants Pathologists Residents Quality Systems Division



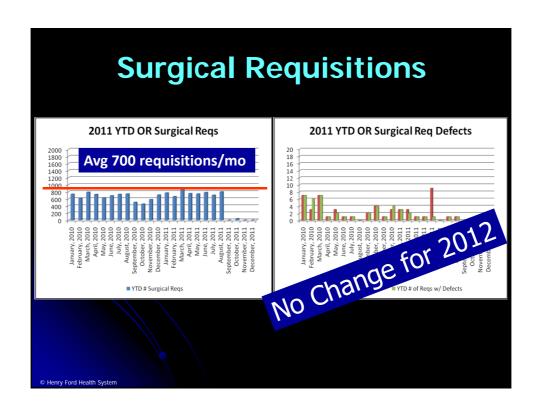


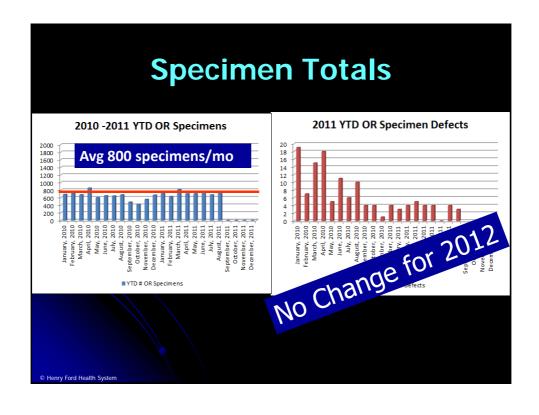




### ★ Defects Originating in the OR

- Number of specimens did not match the requisition
- Patient ID not on all parts
- Missing complete clinical history
- Majority of requisitions missing at the time of procedure





### Reduction in defects, however, the remaining defects had a significant impact on patient safety



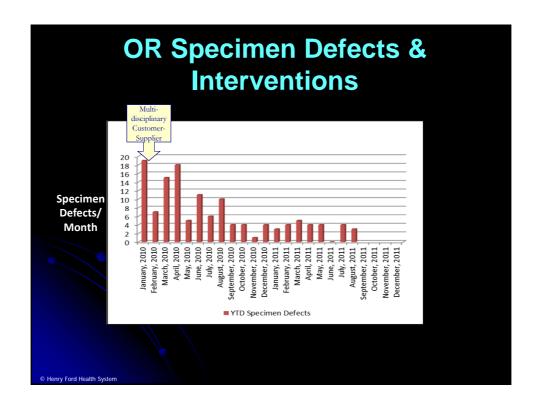


### **Process Defects**

- Poor communication between OR and Pathology
- Faulty hand-offs, Lack of chain of custody upon specimen drop-off, matching parts and requisitions
- Incorrect sticker placed on paper work
- No label- Patient identification missing
- Incorrect documentation on requisition

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As a result of our cross-functional teams,
we have implemented many
improvements and processes to enhance
OR specimen safety



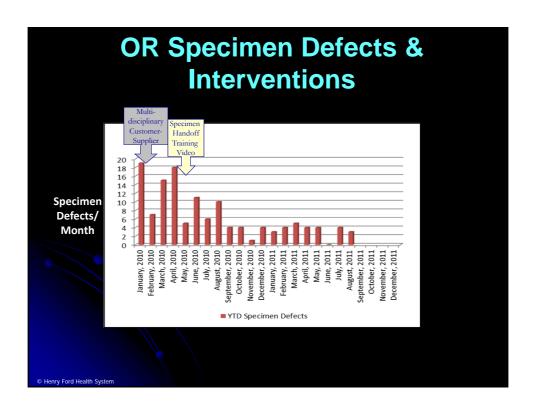
### **Customer – Supplier Meetings**

- Numerous customer-supplier meetings promoting a collaborative interaction between Surgical Services and Pathology have been developed
- The established customer-supplier meetings have assisted to
  - Define requirements
  - Generate ideas
  - Brainstorm solutions

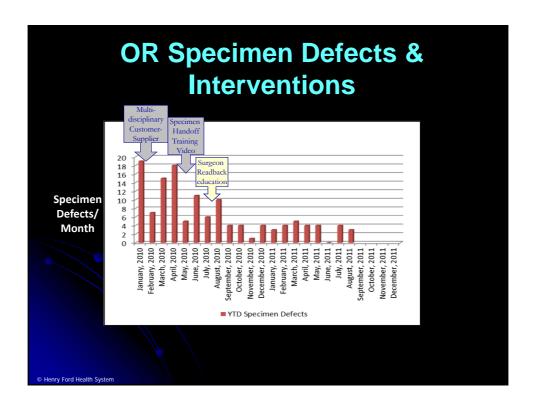




# Team Meetings Surgical Services Surgeons Pathology OR Educators Informatics Residents







### **Communication to Surgeons**

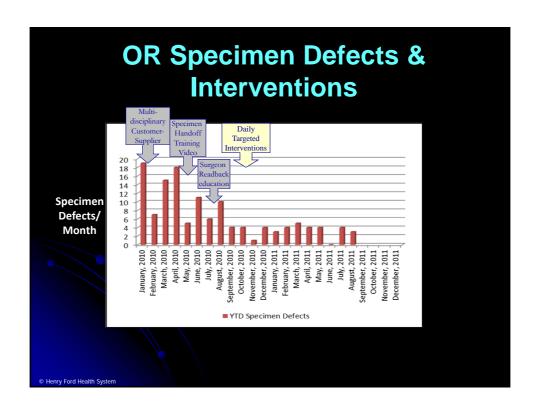
Adoption of The WHO recommendation

 Surgery Chair communicated the importance of OR specimen handling to 200 surgeons

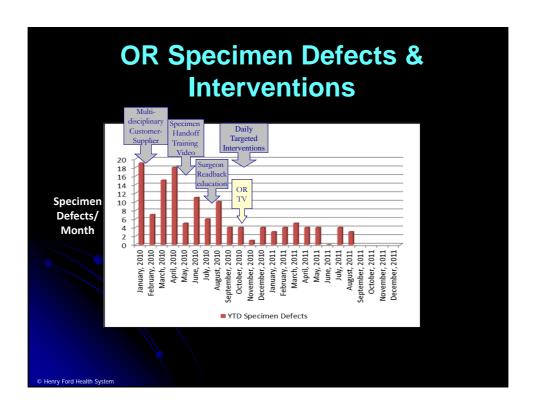
"The team should confirm that all surgical specimens are correctly labeled with the identity of the patient, the specimen name and location (site and side) from which the specimen was obtained, by having one team member read the specimen label aloud and another verbally confirming agreement."

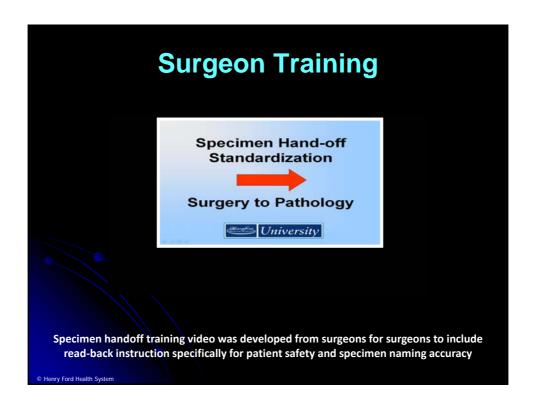
WHO Guidelines for Safe Surgery 2009

 Surgeons have been included in Customer- Supplier meetings



# Daily Targeted Interventions Defect Feed-Back and Root Cause • Daily Intervention between Surgical Services and Pathology • Daily education C Herry Ford Health System

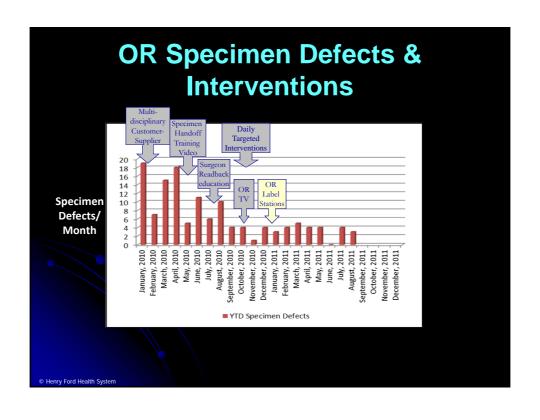




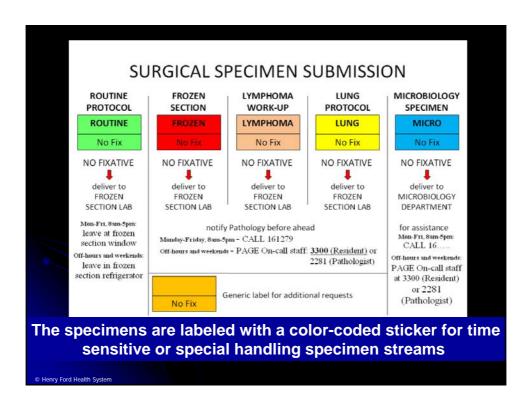


### Remember

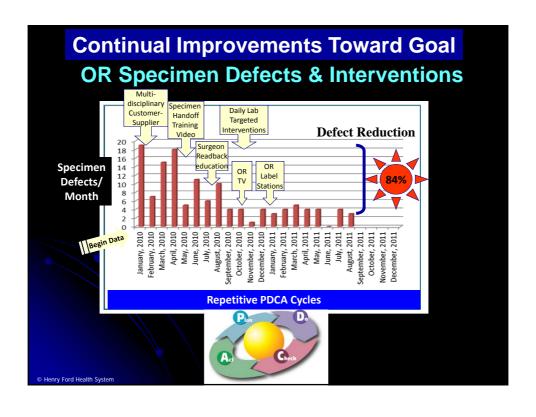
- Accuracy of specimen information is a patient safety issue
- The Surgeon is responsible for the accuracy of all information on the pathology requisition slip
- Carefully listen to the Read-Back with the Circulator before you confirm that the information is correct















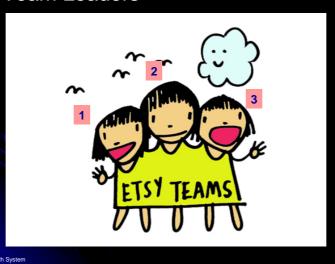
### We've Established the Need for Process Redesign

- Identified work flow and hand-off concerns
  - Defective processes
  - Mis-Identification
  - Lack of standard work
  - Variation within identical tasks
  - Lack of consistent training

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### **Standardization Teams**

• 3 Team Leaders



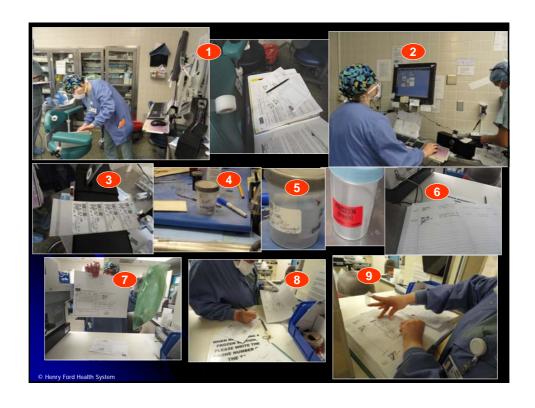
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### **Team Goals**

- Create your perfect process
- Observe current processes to identify opportunities for improvement
- Develop process maps
- Create future state map
- Present to Leadership
- Implement new process

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### Results of Observation Sessions



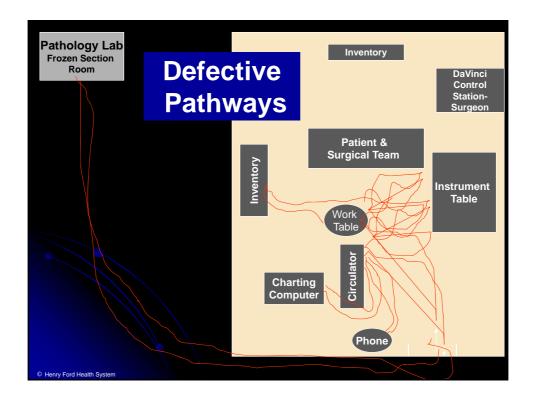
### **Documentation**

1. Check Patient File for correct order of Anatomic Site, Procedure to fill out Lab Requisition

10x steps

- 2. Enter specimen information in SIS
- 3. Write specimen description on the containers
- 4. Write specimen description on the container labels
- 5. Write specimen description on the Lab Requisition
- 6. Keep adding a running tab of all of the above specimen descriptions for all Frozen Sections and permanent section on scrap paper
- 7. Write same information on Log Book at Frozen Room Window
- 8. Multiple Frozen Section specimens delivered at multiple times per procedure/patient as requested by Clinician (6,7x or more)
- Multiple Lab Reqs if run out of space to document all parts in the original tag
- 10. Photo copy Lab Req for easiness of writing multiple times in Log Book
- 11. Photo copy machine not located nearby- at OR front desk or inside Frozen Section room (no access to OR personnel)
- 12. White Boards are available in the OR but location is inconvenient for henry Ford lutilization by the CSR's and also poor lighting





### **Problem**

- The specimen collection, labeling and hand off process from Operating Room to Pathology-VARIATION
- Waste, inefficiency, lack of standard work-Potential adverse patient safety events
- Lack of communication between departments
- Considerable time, effort and staff involvement spent correcting inaccurate patient information to ensure diagnostic accuracy

REWORK

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### **Defects Identified**

- Failure to establish & follow a standard process
- Poor communication or poor hand-offs
- Human error
  - Staffing matches workload
  - Rotate staff duties to eliminate fatigue
  - Educate and assess competence

### Goals

- 1. Identify and minimize variation within the processes
- 2. Adopt one pathway to collect, label and deliver
- Implement the standard process throughout the OR







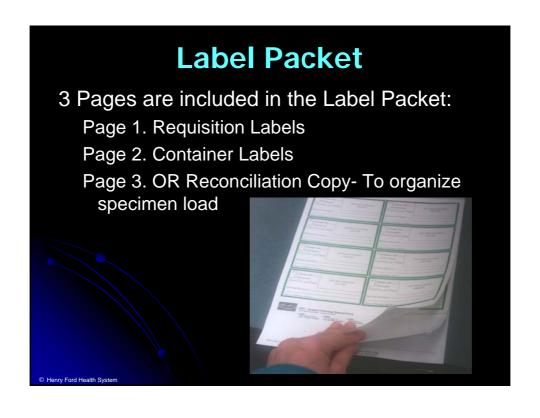


### **New Process**

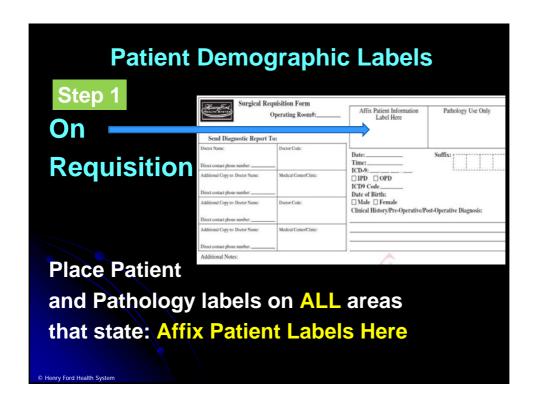
- The development of a Piggy-back label packet
- Requisition New and improved to accommodate labels
- Standardized specimen part type list
- Develop a reconciliation page to confirm that all specimens are accounted for and are correct

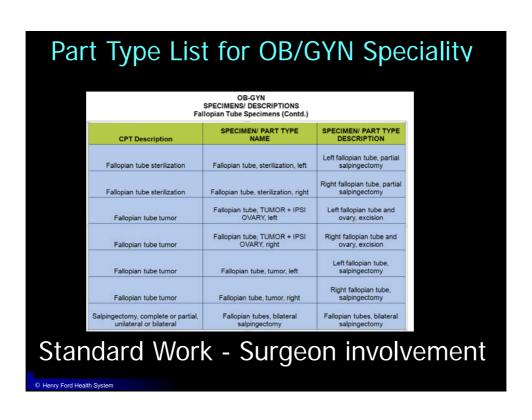
Revis		equisition Form
Ductor Name	Doctor Code:	Date:Suffix:
Direct contact phone number:  Additional Copy to: Doctor Name:	Medical ControlClinic	Time:
	Medical Control Made	□ IPD □ OPD ICD9 Code
Direct contact phone number: Additional Copy to: Doctor Name:	Doctor Code:	Date of Birth:  □ Male □ Female
CANCELLINE PRODUCE IN CO.	TOTAL STATE	Clinical History/Pre-Operative/Post-Operative Diagnosis:
Direct contact phone number:  Additional Copy to: Doctor Name:	Medical Center/Clinic	
Direct contact phone number:	(100 mm (200 mm))	
	Q <sup>Q</sup>	
OR (	Copy f	or the Binder













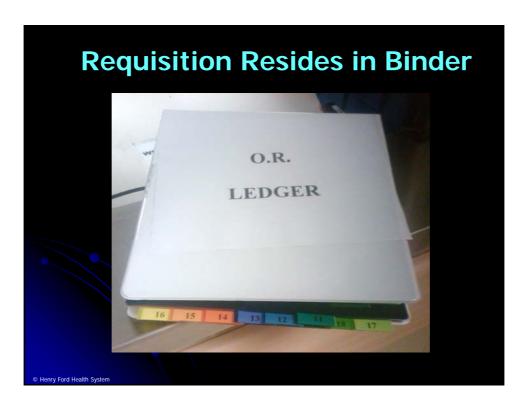


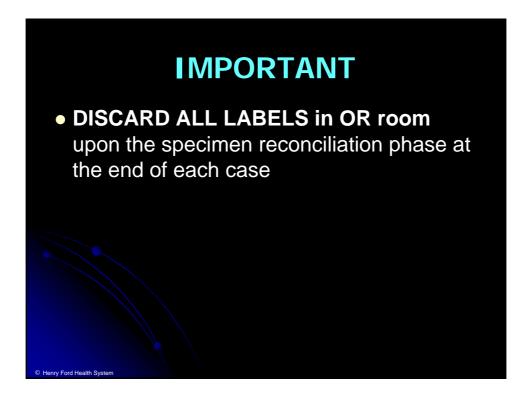


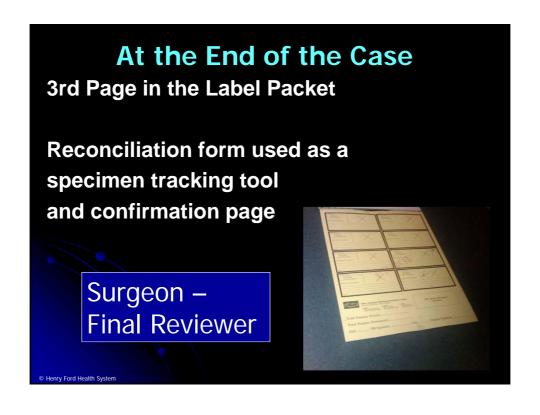


### Deliver to Pathology

- 1. The first labeled container
- 2. Completed requisition (place in the binder under appropriate OR number)
- 3. Add additional specimen labels to requisition
- 4. Submit the reconciliation copy with the last specimen of the case







### Outcomes of the Standardized Team Approach

- 1. ◆ Process simplification
- 2. Waste and inefficiency
- 3. ← Employee satisfaction
- 4. Standardized processes
- 5. Surgeon involvement
- 6. Teamwork toward common goal

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### The Team

- Surgical Services Henry Ford Hospital
- The Henry Ford Medical Group doctors
- Pathology Henry Ford Hospital
- Vivian Jones
- Michelle Lucier
- Jackie Adams
- Scott Dulchavsky MD
- Rita' D' Angelo
- Sue Ruediger
- Richard Zarbo MD
- Ruan Varney
- Don Lubensky
- Jennifer Gauvin
- Oleksandr Kryvenko MD
- Nelson Main
- Barb Gagnier
- Charito Arabejo
- Jennifer Marr
- Osma Alassi MD
- Linda Szymanski MD
- JC Whitelaw
- Craig Reickert MD
- Raghave Murthy MD

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