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# Improving Type And Screen Specimen Collection Prior To Elective Surgery

NorDx Blood Bank Staff


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**Project:** Blood Bank - Elective Surgery Type & Screen  
**Last Updated:** 8/21/2017

**Executive Sponsor:** Mark Parker  
**Facilitator:** Haley Pelletier



**Team Members:** NorDx Blood Bank Staff, Bramhall Campus, Suneela Nayak, Stephen Tyzik, Ruth Hanselman

**Problem/Impact Statement:**

100% of scheduled elective surgery patients requiring transfusion will have a type and screen specimen 24 hours prior to surgery.

**Scope:**

**In scope:** Maine Medical Center (MMC) elective surgeries  
**Out of scope:** Elective surgeries other than MMC

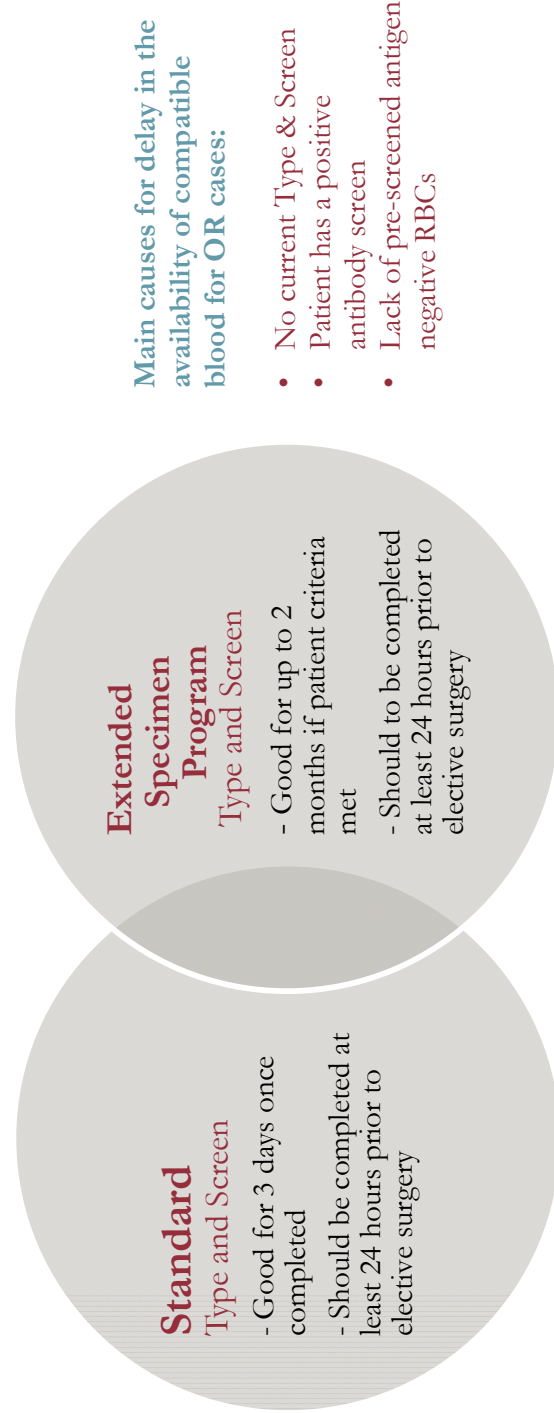
**Goal/Objective:**

**Overall Goal:** The goal is to prevent any delays in providing compatible blood products to scheduled surgical patients.

**Baseline Metrics/Current State:**

- Lack of physician awareness.
- Lack of supporting systems, identifying which cases are at high risk.
- Fragmentation of patient care.

**Root Cause Analysis:**

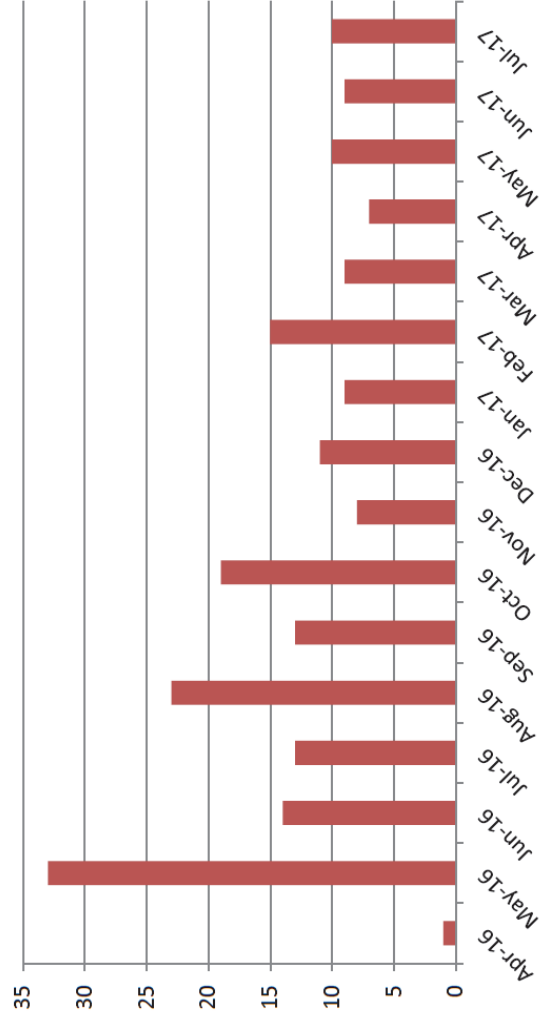


**Countermeasures**

Action	Owner	Due Date	Status
Data collection of elective surgical cases without a type & screen which required a transfusion or had a positive antibody screen.	Blood Bank Staff	Apr. 2016	Ongoing
Interdisciplinary meetings	Blood Bank Staff	May. 2016	Completed
ESP outreach to additional providers	Blood Bank Staff	May. 2016	Completed
IT: electronic format for ESP EPIC ticket initiated	Blood Bank Staff	Sept. 2016	Pending
Extension of ESP 1-2 months	Blood Bank Staff	Jan. 2017	Completed
Continuing dialogue with all disciplines	Blood Bank Staff	For the life of the project	Ongoing
Education of new ASU and NorDx staff	Blood Bank Staff	For the life of the project	Ongoing
Master surgical list requiring a type & screen compiled by surgery, anesthesia, OB, BB, & PREP	Inter-professional teams	Jun. 2017	Completed

**Outcomes**

**No Type and Screen Completed 24 Hours Prior to OR Elective Procedure**



**Next Steps**

- Continue to offer the ESP to additional providers
- Awareness of master surgical list associated with Blood Bank ordering practice criteria.
- Develop a process whereby the master surgical list of procedures requiring a type & screen is incorporated into the PREP workflow such that these patients do not end up in surgery without a type & screen if indicated.
- Complete EPIC ESP electronic documentation

Plan

Do

Study

Act