

Reducing Emergency Release Blood Product Ordering on Labor and Delivery: A Quality Improvement Initiative

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SPEAKER DISCLOSURE

I have nothing to disclose.

The Problem

>50% of blood products sent to L&D are MTP / emergency release



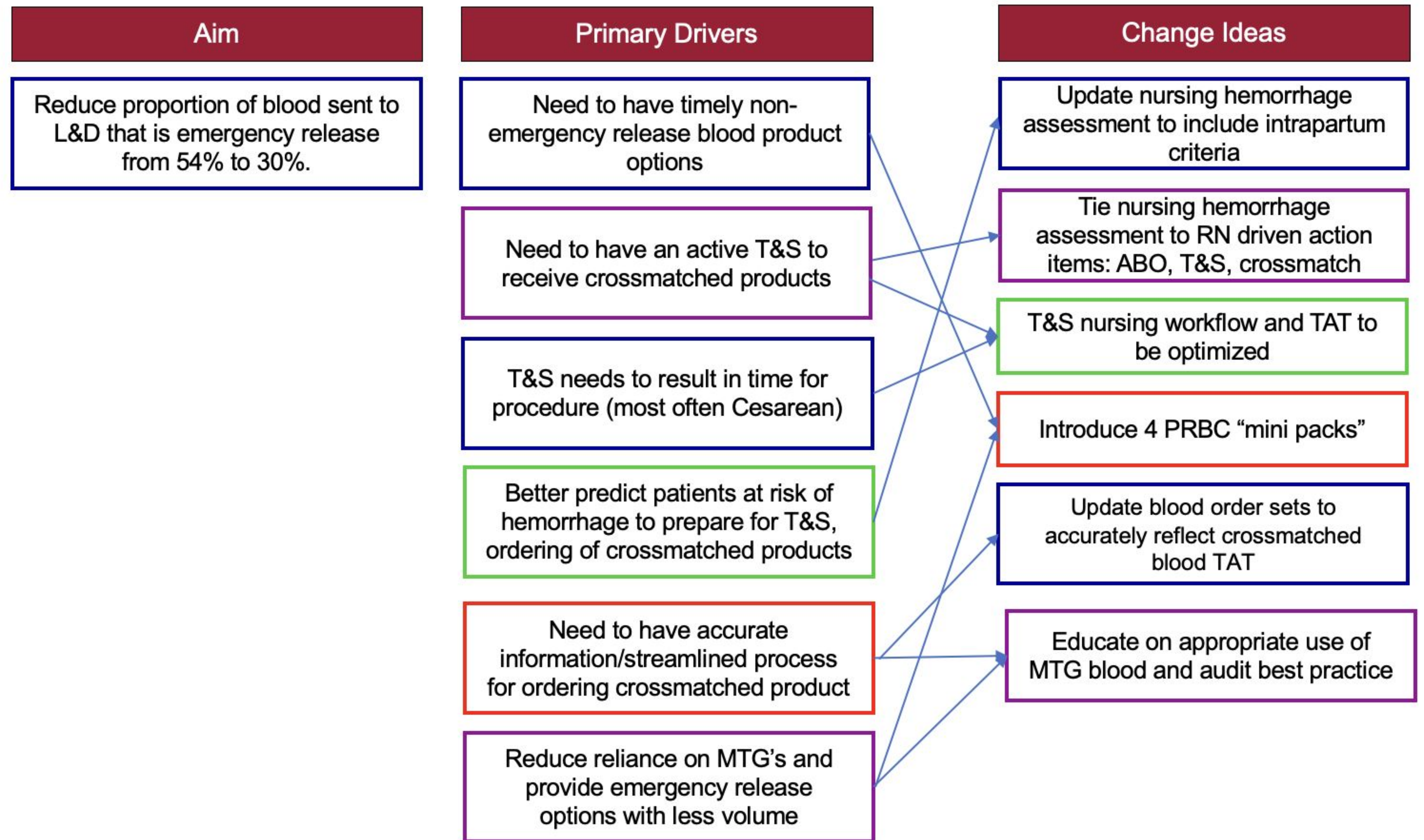
Waste

>95% of patients on L&D receiving blood receive ≤ 4 units pRBC
84% of patients only require 1-2 units pRBC

Goal

Implement a quality improvement (QI) initiative to improve hemorrhage preparedness in order to reduce emergency release MTP blood utilization on our L&D unit to $\leq 30\%$.

Key Drivers



Interventions

Completed

- Corrected quoted turnaround times for crossmatched blood products in Epic order sets
- Education: 3 nursing staff meetings, OB anesthesia division meeting and Grand Rounds, 2 M&M presentations, 4 LIT meetings and 4 L&D MTD meetings

In Process

- Updating nursing hemorrhage risk assessment protocols
- Implementing a 4-unit pRBC "mini-pack" as an alternative to MTP

Implications

- Nursing time spent returning unused blood products costs \$10,710-\$12,600 annually
- Intangible costs of wasting donated blood products / goodwill of donors



Conclusions

- Key drivers identified; interventions underway
- Future directions:
 - Tracking intervention implementation
 - Assessing impact on emergency release blood product utilization rates

