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

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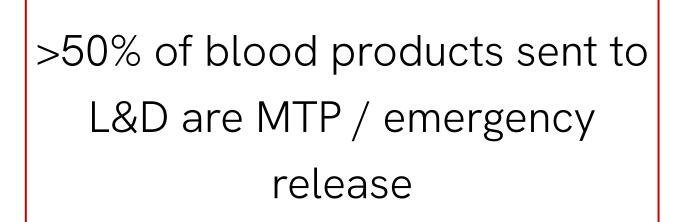




SPEAKER DISCLOSURE

I have nothing to disclose.

The Problem









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 $\leq 30\%$.



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Reduce proportion of blood sent to L&D that is emergency release from 54% to 30%.

Key Drivers



Primary Drivers Change Ideas Update nursing hemorrhage Need to have timely nonassessment to include intrapartur emergency release blood product criteria options

Need to have an active T&S to receive crossmatched products

T&S needs to result in time for procedure (most often Cesarean)

Better predict patients at risk of hemorrhage to prepare for T&S, ordering of crossmatched products

Need to have accurate information/streamlined process for ordering crossmatched product

Reduce reliance on MTG's and provide emergency release options with less volume

Tie nursing hemorrhage assessment to RN driven action items: ABO, T&S, crossmatch

T&S nursing workflow and TAT to be optimized

Introduce 4 PRBC "mini packs"

Update blood order sets to accurately reflect crossmatched blood TAT

Educate on appropriate use of MTG blood and audit best practic



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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

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



In Process

Implications

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







I	Key drivers identified; interventions underway	that	100%
I	Future directions:	e KUT	80%
	 Tracking intervention implementation 	s sent to l icy Releas	60%
	 Assessing impact on emergency release blood product utilization 	Product Emerger	40%
		Blood	20%
		% of	00/



Conclusions

