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## Learning Objectives

After participating in this program you should be able to....

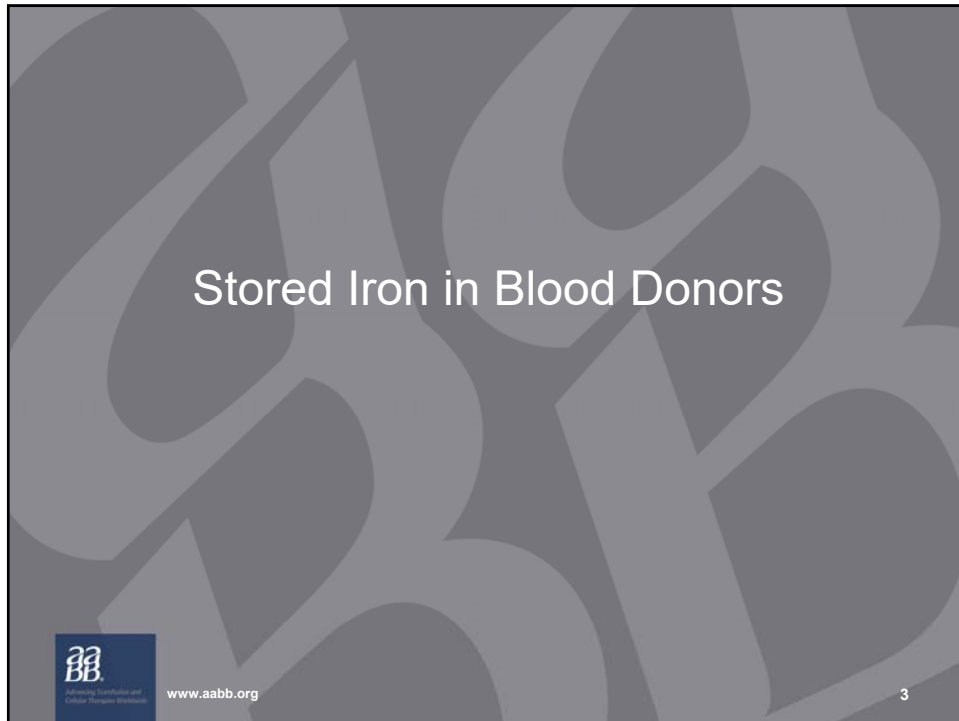
- Paraphrase the challenges of protecting the iron stores of blood donors.
- Explain the challenges of managing blood inventory at the community level.
- Summarize the challenges of developing and supporting new blood products, such as whole blood and cold-stored platelets.



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## Donation Frequency & Iron

**Women**

Donation 1      Donation 2


**Men**

Donation 1      Donation 2      Donation 3

 Cable et al. Transfusion 2012

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## Iron-Rich Diet?



 Rigas et al. Transfusion. 2014.

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## Health Consequences

### “Potential”

- Fatigue
- Decreased exercise tolerance
- Cognitive dysfunction
- Pregnancy-related complications
- Hearing loss
- Restless leg syndrome

### “Well Established”

- Pica



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## Options?

Iron  
Supplement

Longer inter-  
donation

Ferritin testing

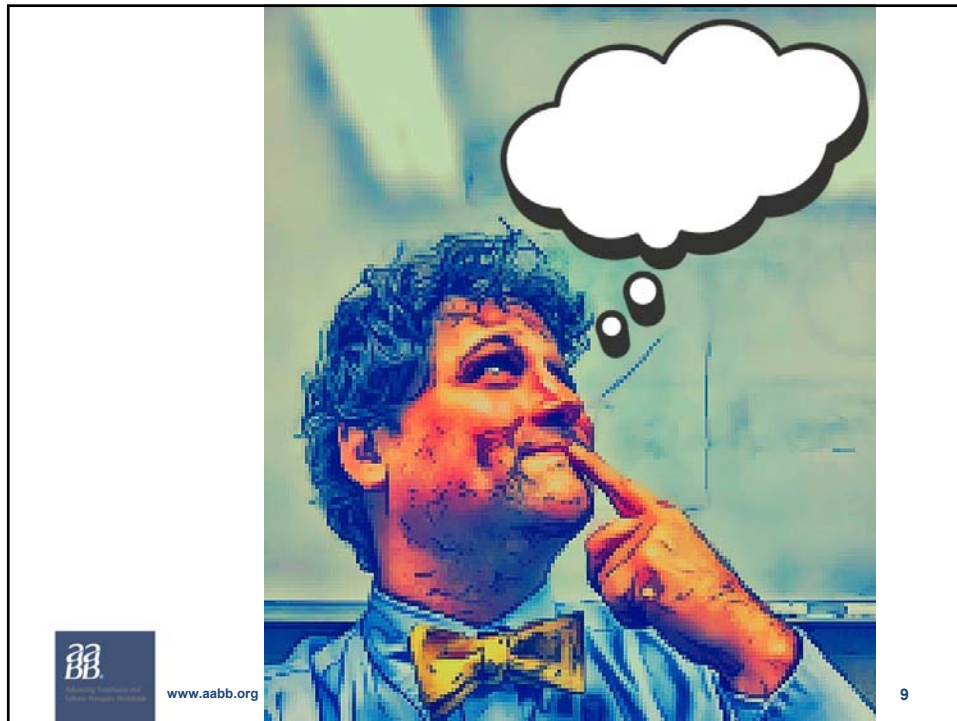
Limit  
donations  
from at-risk



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Paraphrase the challenges of protecting the iron stores of blood donors.

Managing the blood inventory

A presentation slide with a grey background. At the top, the text 'Paraphrase the challenges of protecting the iron stores of blood donors.' is written in white. In the center, the text 'Managing the blood inventory' is written in white. A large, faint, stylized 'AABB' watermark is visible in the background. In the bottom left corner, there is a small dark blue square containing the white AABB logo and the text 'www.aabb.org'. A small white number '10' is located in the bottom right corner of the slide frame.

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## Managing the blood inventory

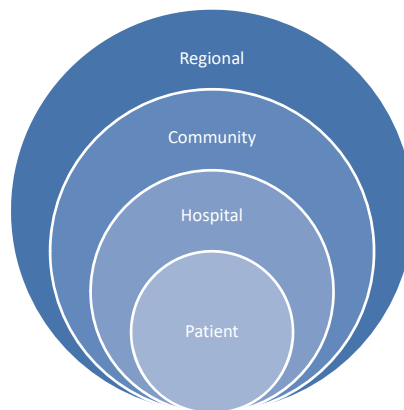


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## Multiple levels of responsibility

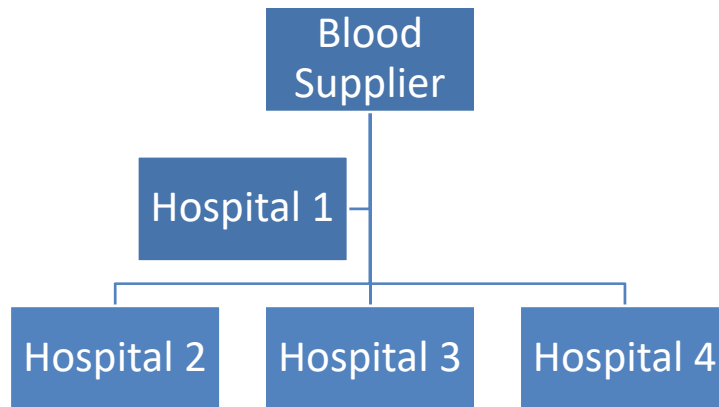


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## Continuous coordination



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## Cultivating relationships



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Explain the challenges of managing blood inventory at the community level.

Developing and supporting new blood products



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Still have unmet needs



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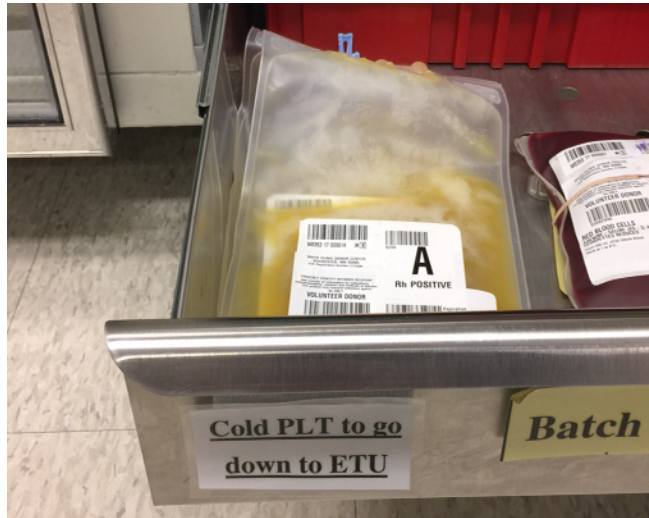
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## Cold-Stored Platelets



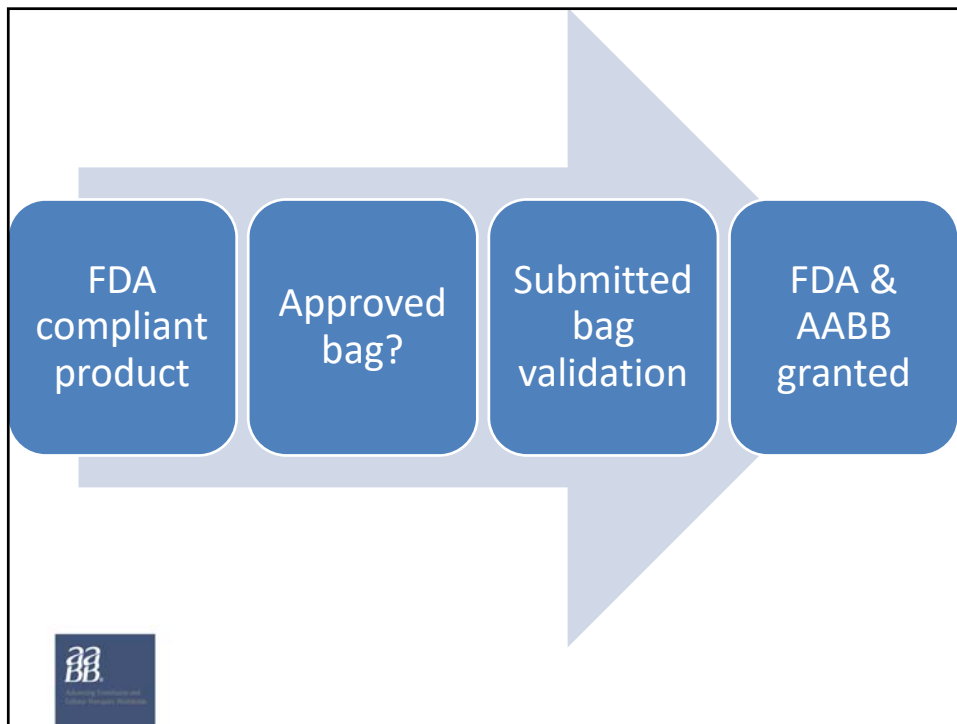
www.aabb.org

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Platelet function

Reddoch et al. *SHOCK*. 41 (suppl 1): 54-61. 2014.

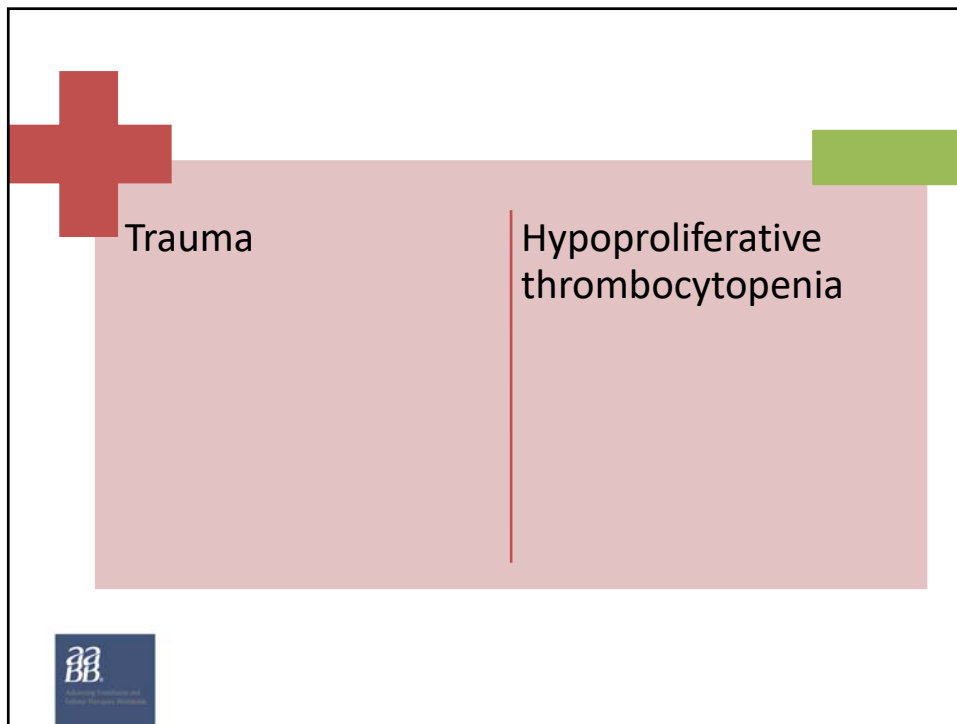
Nair et al. *J Trauma Acute Care Surg*. 77:S88-93. 2014.

Getz et al. *Transfusion*. 56: 1320-8. 2016

Platelet recovery

Murphy & Gardner. *N Engl J Med* 1969; 280:1094-1098

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Questions?

Contact  
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