Healthcare Organization Commitment

Contact Details

Name
Helen Macfie

Phone
(714) 580-9009

Email
hmacfie@memorialcare.org

Position
Chief Transformation Officer, MemorialCare Health System (So California)

Organization Name
Memorial Health Care System

Organization Address
17360 Brookhurst Street
Fountain Valley, 92708
United States

Participants
Helen Macfie, Chief Transformation Officer

APSS

Have you reviewed the Patient Safety Movement Foundation's Actionable Patient Safety Solutions (APSS)?
Yes

What Patient Safety Challenge does your Commitment address?
Challenge 5 - Patient blood management
Commitment Name
Blood is a Liquid Transplant

How Many Hospitals Will This Commitment Represent?
4

Scorecard View Error
You must be logged in to view the contents of this PDF

Commitment Details

Commitment Summary
Through our focus on safety and cost management, we leveraged a Best Practice team/collaborative approach in 2017. Focusing on RBCs and platelets first, then FFP and cryo, the team created updated guidelines as well as a campaign approach for “Blood is a Precious Resource”. Key was working with our blood bank team, quality, nursing and physicians from key specialties across both adult and pediatrics/neonatal to agree to best practices approaches to reduce the harm and needless waste and design a smart cascaded set of order sets to ensure our physicians as well as incoming residents each year have user-friendly easy to access protocols to follow. Protocols include the requirement to measure Hb levels inbetween transfusions unless specific criteria are met. “One is the new two” and "Blood is a liquid transplant" were key messages used to share the message.

Action Plan
Ongoing monitoring on usage for current compliance. We are also implementing ERAS across the system if all key surgical procedures. Note on the calculation page that we use our on-line physician data portal to track to success, in addition to AABB metrics monitored by each campus. Since inception of this focus, we have reduced utilization by 14%, are ordering 8,000 less RBC and platelet supplies vs baseline per our Materials team, at an overall cost of blood product acquisition lower by $2,000,000 annually.

Impact Details

Lives Saved

Tell us about your baseline level of harm:
580

Next, make a prediction (goal) from your baseline above for 1 year from today. We’ll give you the opportunity to update us next year on the actuals:
580
Lives Spared Harm:
580

Methodology for Determining Lives Saved:
In our baseline year for 2016, 6,703 patients were given blood products. Through the efforts of the Blood Use Best Practice team, this has sequentially been reduced as we added more protocols and then pediatrics and neonatal in 2017 where we saw a preliminary drop to 6,173 patients transfused (8% drop). In 2018, 5,792 patients were given blood products once we were to full implementation system-wide (14% drop from baseline). With continued focus, a further 10% drop potential from 5,792 (given the goal obviously is not zero) would be 580 patients who could be avoided receiving a transfusion.