Healthcare Organization Commitment

Contact Details

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Position
Corporate Improvement Specialist and Coordinator of the Patient Blood Management Program at UPMC

Organization Name
UPMC

Commitment Details

How many hospitals are represented in this commitment?

<table>
<thead>
<tr>
<th>Last Report</th>
<th>Current</th>
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<tbody>
<tr>
<td>12</td>
<td>17</td>
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Action Plan
The UPMC Healthcare Enterprise is committed to continuing the Patient Blood Management journey to achieve improved patient outcomes and safety at a lower cost per capita. As an ever-growing and complex organization, we continue to adapt our program to meet systematic PBM spread and foster communities of learning. We have added a new Bloodless Medical Management program to identify anemia sooner, so that treatment and management are proactively addressed. Each hospital within the enterprise contributes to the success of the program and our patients are our key benefactors. Action Plan 1) Continue to develop the newly structured Bloodless Medical management model and
expand anemia surveillance beyond bloodless medicine patients. 2) Continue to monitor quality reports for non-evidenced based transfusion practices and preventable waste incidents and identify opportunities to for continued quality improvement. 3) Develop an educational PBM program for General Medical Education (GME) for medical residents and APP students. Goal to reduce unwarranted blood transfusions by 10% and reduce waste 5% within the next year.

**Commitment Update**

Our strategic approach is based on a six-point strategy developed by our program's medical director, Dr. Jon Waters. 1. Leverage computerized physician order entry (CPOE) systems to guide evidence-based transfusions 2. Reduce all forms of waste related to blood transfusion practices 3. Promote alternative blood transfusion methods and systems 4. Promote anemia management strategies 5. Limit iatrogenic blood loss 6. Provide blood management education, awareness and auditing for clinicians; in addition to patient centered shared decision making tools

The PBM framework provides flexibility in developing on-going initiatives to enhance the programs success. In March of 2018, a Bloodless Medical Management Program was developed to enable each enterprise hospital to maintain an in-house group of Hospitalist who serve as medical consultants for patients who refuse blood transfusions for personal or religious reasons. This program is the springboard for a concerted approach to anemia management for all hospitalized patients.

Our bloodless medicine patients have emphasized the need to address anemia early on and this concept has translated to an overall appreciation of the salience of this disease. Pre-surgical anemia is a frequently occurring event, leaving patients vulnerable for intra or post operative transfusion. Again, moving from reactive to proactive the PBM medical leadership developed a pre-surgical algorithm to identify and appropriately treat the anemia prior to an elective surgical case. 2018 Achievements: 1. 12% RBC, 18% FFP, 14% Platelet reduction in in-warranted transfusion orders. (Evidenced by orders heeded/orders alerted) 2. Experienced the lowest blood waste rates since PBM program established in 2013. RBC: 0.42% FFP: 0.59% Platelet: 1.40% 3. Blood and Blood Component Purchases reductions compared to previous year: RBC: -7.0% FFP: -22% Platelet: -1.0%

**Other**

Challenge 5 - Patient Blood Management

Please describe any best practices your organization has learned through your commitment and share valuable lessons or challenges that were overcome

As members of the APSS Patient Blood Management Team we were provided the opportunity to share our program's successful approaches to a global audience. More importantly, we have been able to take a step back and revisit initiatives to ensure sustainability.

**Impact Details**
<table>
<thead>
<tr>
<th>Initial Commitment</th>
<th>Commitment Update</th>
<th>Project Next Year</th>
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Patient Safety Movement Foundation | patientsafetymovement.org
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<tr>
<th>Lives Lost</th>
<th>Lives Lost</th>
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<tr>
<td>Lives Spared Harm Target</td>
<td>Actual Lives Spared Harm in last 12 months</td>
<td>Lives Spared Harm Target for following calendar year 10</td>
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<tr>
<td>Lives Saved Target</td>
<td>Actual Lives Saved in last 12 months (might differ from initial target) 0</td>
<td>Projected Target of Lives Saved for following calendar to try to finish commitment</td>
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<td>New Lives Lost (lives lost – actual lives saved)</td>
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**Acknowledgement**
Yes, I acknowledge that this commitment may be used for external communication and publicly announced at the World Patient Safety, Science & Technology Summit. Furthermore, I agree that this commitment may appear on the website of The Patient Safety Movement Foundation or the Masimo Foundation. I also give permission for my commitment to be used in support of the promotion of the World Patient Safety, Science & Technology Summit as well as The Patient Safety Movement initiative.