AABB Survey
COVID-19 Impact on Care of Patients Requiring Transfusion: Week 2 Snapshot

- 132 AABB institutional member hospitals from 38 states responded to the week 2 COVID-19 impact survey conducted through March 30 through April 1, 2020.
- 95 hospitals that participated in the week 1 survey also participated in week 2 survey. We are able to provide matched analysis for only few questions here.
- Data for the total COVID-19 cases were downloaded from CDC website on 4/2/2020 at 2:00 pm.
- Top 5 states with COVID-19 cases were identified through the CDC database downloaded at the above mentioned date and time and can be different compared to the data provided on different websites.
COVID-19 Impact on Care of Patients Requiring Transfusion: Week 2 Survey Highlights

- 128 out of 132 hospitals responded the hospital system question; 116 respondents belonged to hospital systems and 12 to individual hospitals.
- Highest number of responding hospitals had more than 500 beds (n=46).
- 73 hospitals were both pediatric and adult hospitals, 48 were adult and 11 were pediatric hospital.
- 55 hospitals (41.7%) out of 132 responding hospitals had implemented prospective audits for RBC orders this week, a decline from 48.1% in week 1.
- On matched set comparison—95 hospitals that responded to both week 1 and week 2 surveys, there was a decline of 10.9% (from 46 to 41) in hospitals that had implemented prospective audits for RBC orders.
- 52 hospitals (39.7%) out of 131 responding hospitals, a decline from 47.4% in week 1, had implemented prospective audits for platelet orders this week. Among the matched set hospitals, this was a 13.0% decline.
- Among the hospitals that responded to both week 1 and week 2 surveys, there was an increase by 5.7% in hospitals (from 35 to 37) that created or revised a plan in the event that no blood is available for transfusion.
- 33 (25.0%) hospitals reported increase in wastage due to cancellation of elective surgeries.
- While 94.7% (124) hospitals are now receiving local/regional inventory level updates, only 60.3% (79) are receiving national level updates.
- 33 (25.0%) hospitals have reassigned staff or modified schedules to longer shifts in response to the COVID-19 pandemic.
Blood Bank/Transfusion Service Actions in Response to the COVID-19 Pandemic: Week 2 Survey Response

- Implemented prospective audits for RBC orders: 55%
- Lowered RBC transfusion threshold to 7 g/dL hgb for most patient populations: 63%
- Lowered RBC transfusion threshold below 7 g/dL hgb for any patients: 40%
- Implemented prospective audits for platelet orders: 18%
- Lowered platelet count threshold for transfusion: 99%
- Discontinued prophylactic platelet transfusions for heme-onc: 27%
- Implemented splitting platelet and/or RBC of units: 113%
- If not implemented yet, have you planned for splitting platelet and/or RBC of units? Yes: 6%
- Implemented extending expiration of platelet units beyond 5 days: 115%
- If not implemented yet, have you planned for extending expiration of platelet units beyond 5 days? Yes: 6%
- Created or revised a plan in the event that no blood is available for transfusion: 77%
- Limited the number of blood component units available during an MTP: 114%
Implemented prospective audits for RBC orders

Lowered RBC transfusion threshold to 7 g/dL hgb for most patient populations.

Lowered RBC transfusion threshold below 7 g/dL hgb for any patients.

Implemented prospective audits for platelet orders.

Lowered platelet count threshold for transfusion.

Discontinued prophylactic platelet transfusions for heme-onc.

Implemented splitting platelet and/or RBC of units.

If not implemented yet, have you planned for splitting platelet and/or RBC of units?

Implemented extending expiration of platelet units beyond 5 days.

If not implemented yet, have you planned for extending expiration of platelet units beyond 5 days?

Created or revised a plan in the event that no blood is available for transfusion.

Limited the number of blood component units available during an MTP.

Matched Set Analysis - 95 Respondents Completing Week 1 and 2 Surveys
Blood Bank/Transfusion Service Actions in Response to the COVID-19

Week 1: Yes  Week 2: Yes
Blood Bank/Transfusion Services Response: Top 5 States with COVID-19 Cases (Week 2 Survey)

- New York (n=7)
- New Jersey (n=5)
- Michigan (n=1)
- California (n=9)
- Massachusetts (n=5)

- Implemented prospective audits for RBC orders
- Lowered RBC transfusion threshold to 7 g/dL hgb for most patient populations
- Lowered RBC transfusion threshold below 7 g/dL hgb for any patients
- Implemented prospective audits for platelet orders
- Lowered platelet count threshold for transfusion
- Discontinued prophylactic platelet transfusions for heme-onc
- Implemented splitting platelet and/or RBC of units
- If not implemented yet, have you planned for splitting platelet and/or RBC of units?
- Implemented extending expiration of platelet units beyond 5 days
- If not implemented yet, have you planned for extending expiration of platelet units beyond 5 days?
- Created or revised a plan in the event that no blood is available for transfusion
- Limited the number of blood component units available during an MTP
Is your hospital still performing elective surgeries (routine- please don't count life saving surgeries)?

- Yes: 112
- No: 57
- Don't know: 2
- NA: 19

Have you been alerted by your blood supplier that they will not be able to meet your typical inventory needs?

- Yes: 93
- No: 71
- Don't know: 2
- NA: 4

Have you observed an increase in wastage due to cancellation of elective surgeries?

- Yes: 124
- No: 33
- Don’t know: 2
- NA: 7

Receive Local/Regional inventory level updates

- Yes: 79
- No: 52
- Don’t know: 2
- NA: 4
Hospital Impact: Top 5 States with CoVID-19 Cases - Week 2 Survey

- Is your hospital still performing elective surgeries (routine - please don't count life saving surgeries)?
- Have you been alerted by your blood supplier that they will not be able to meet your typical inventory needs?
- Have you observed an increase in wastage due to cancellation of elective surgeries?
- Receive Local/Regional inventory level updates
- Receive National inventory level updates

New York (n=7)
New Jersey (n=5)
Michigan (n=1)
California (n=9)
Massachusetts (n=5)
Reassigned staff or modified schedules to longer shifts

Moved to split shifts to ensure staffing continuity

Extended type and screen beyond 3 days to reduce compatibility testing workload
COVID-19 Pandemic impact on Staffing: Top 5 States with COVID-19 Cases (Week 2 Survey)

Reassigned staff or modified schedules to longer shifts
Moved to split shifts to ensure staffing continuity
Extended type and screen beyond 3 days to reduce compatibility testing workload