2021 AABB COVID-19 Hospital Transfusion Services Survey Final Report

Highlights

- Most of the hospitals reported transfusing CCP in the range of 0-24 units.
- 26.0% of the hospitals reported increasing, 28.0% reported about the same and 34.0% reported a declining trend of CCP transfusion.
- 28.7% reported delays in obtaining CCP units, an upward trend since the week of Oct. 26 survey. Delays in Group AB and B CCP units are most reported.
- Based on the responses to this survey, the average CCP dose to patient ratio among the AABB member hospitals is estimated to be 1.3:1. Since a majority of the hospitals reported the use of CCP was at the discretion of the individual ordering physician/team, variability in the estimate can be expected in studies conducted at a different time and with a different survey population.

200 hospitals from 43 states completed the 2021 AABB COVID-19 hospital transfusion services survey, conducted from Jan. 4-Jan. 11, 2021.

- CCP units hospital or hospital system transfused in the last 7 days

- Rate of CCP transfusions

- CCP patient selection*
CCP exclusion criteria: Time since diagnosis/admission

- Yes, it is either the primary considerations or one of the most important considerations: 27
- Yes, along with other factors that are given equal weight: 46
- No, we do not consider timing of diagnosis or admission: 102

Threshold for exclusion based on time since diagnosis/admission

- 1 to 3 days of COVID diagnosis or admission: 43
- 4 to 6 days of COVID diagnosis or admission: 10
- > 7 days of COVID diagnosis or admission: 9

CCP Transfusion to ventilated patients

- Yes, frequently: 14.6%
- Yes, infrequently: 38.6%
- No, or typically not: 46.8%

Patients meeting selection criteria versus CCP availability

- Yes, >5 times as many patients: 3
- Yes, 3-5 times as many patients: 4
- Yes, 1-2 times as many patients: 24
- No excess of patients: 156
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**Transfusion of more than one CCP unit per patient**

- Yes, 102
- No, 87

**Percentage of single-unit transfusions over the last few weeks**

- More than 75%, 101
- Between 50% and 75%, 4
- Less than 25%, 22
- None, 50
- Between 25% and 50%, 12

**Approach for one unit CCP transfusion**

- Give 1 high titer unit, 11
- Give 1 unit, regardless of titer level, 51
- Other, 18

**Approach for more than one unit CCP transfusion**

- Give 1 high titer unit and 1 low titer unit, 1
- Give 2 high titer units, 6
- Give 2 low titer units, 3
- Give 2 units, regardless of titer level, 52
- Give greater than 2 units, 1
- Other, 35

Data: AABB Hospital survey

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28.7% of the hospitals responding the question above (n=188) reported delays in obtaining CCP units. Most hospitals specified delay was associated only with Group AB and B CCP units. States with highest number of hospitals reporting delay were North Carolina (7), Pennsylvania (6) and Michigan (4).