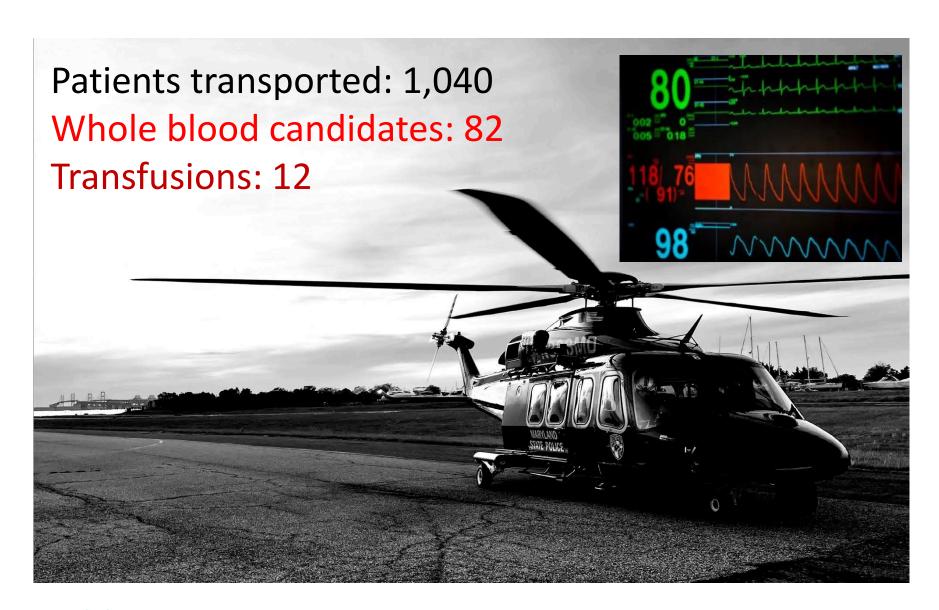


# How to build a pre-hospital transfusion program

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#### **HOW TO????**

## Pre-Hospital Transfusion Program for THIRD PARTY

### MSPAC

- 7 helipads that require courier support
- One refrigerator at each helipad with 2 LTWB units
- Tracking by MSP
- Employees are MSP





# Requisites to move forward on a Hospital/EMS partnership

#### **DEFINE:**

- A CONTRACT
- INVENTORY QUANTITY total amount stocked amongst bases
- ANTICIPATED number of units transfused per month
- PROCESS for Billing
- EMS COMPLIANCE with standards and delineate which party has regulatory oversight



# Pre-Hospital Transfusion Cost Estimates

- Blood Product Cost: estimated 8-24 units transfused per month and increased units order to provide PAR
  - Inventory cycled every 10 days to resupply MSPAC with fresh units and bring short-dated products to UMMC
  - MSPAC assumes responsibility for pick up and return of LTWB from and to the Blood Bank
- Donor Confirmation testing billing
- Blood Product Tracking/Regulatory Compliance:
  - No Cost to Hospital Blood Bank: EMS /MSP responsible for meeting Compliance/Regulatory requirements



#### WHOLE BLOOD PROGRAM PROCEDURES

- Thermal Isolation Chamber (TIC) Cooler & spare TIC box
- Helicopter Section Freezer set to -18°C
- Bluetooth thermometer
- Blood Warmer
- Specialized Filtered "Y" Blood Tubing
- 500ml Pressure Bag
- Low Titer O+ Whole Blood







## **BLOOD BANK-MSP TEAM EFFORT HOSPITAL**







## Hospital Blood Bank Role

- Units are tracked in BB LIS
- ABO Retype units
- MSP is billed monthly for units used
- Returned units less than 7 days billed to MSP
- Notifies Recall/lookback





# **EMS / MSP Role and responsibilities**

- Regulatory compliance
- Procedures and review by Hospital QA
- Training of EMS staff and documentation
- Tracking of units and recipient
- Tracking of the cold chain storage



## **Great Team Work:**

- Pre-Hospital Admission Low Titer Whole Blood (LTWB) Transfusion Project
  - Maryland State Police
     Aviation Center (MSPAC)
    - Went Live 05/10/2023.

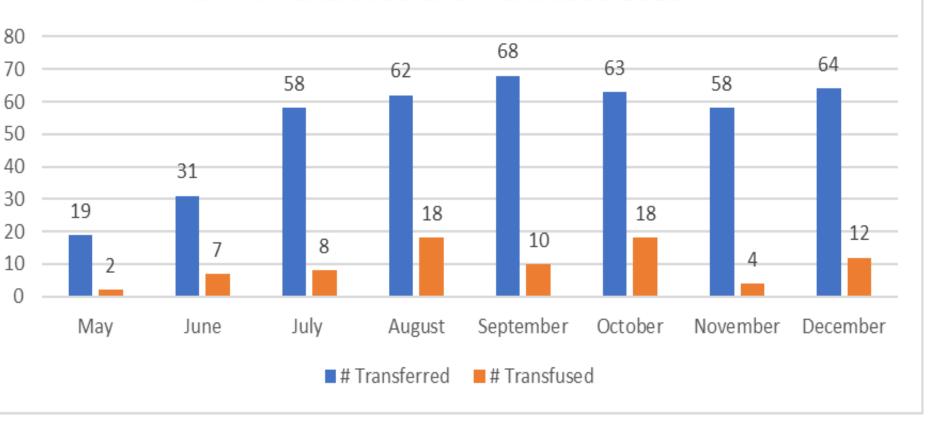


**Press Release** 

https://www.umms.org/ummc/news/2023/blood-on-board



## MSPAC Transferred and Transfused 2023





# Out of Hospital and Prehospital Standards Committee

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- Mark Yazer, MD



# Standards for Out of Hospital and Prehospital Transfusion Administration Services

- Is available for 60 day public comment starting tomorrow, May 31 through July 30
- Will cover both out of hospital activities and prehospital activities
  - Out of hospital activities cover: those that take place in vascular access or infusion service providers in settings other than the hospital, i.e., long term care facilities, hospices, home care settings and other non-acute care settings
  - Prehospital activities include those that take place in the EMS space

# Standards for Out of Hospital and Prehospital Transfusion Administration Services

- Chapter 5 is split into out of hospital and prehospital activities
  - Standards in Chapters 1 4, and 6 10 apply to both disciplines
- Out of hospital standards were built off of the 1<sup>st</sup> edition of Standards for Out of Hospital Transfusion Administration Services issued in 2018
  - Standards edited and/or added where appropriate
- Prehospital standards are all new with some items similar to what is found in AABB's 34<sup>th</sup> ed of Standards for Blood Banks and Transfusion Services



# Questions, Comments, Concerns

