



EMS Focus

PREHOSPITAL BLOOD TRANSFUSION IN PRACTICE

Defining Prehospital Blood Transfusion

NHTSA's Office of EMS
Thursday, July 23, 2026

Introduction



Jonathan Morrison

Administrator, National Highway Traffic
Safety Administration (NHTSA)

Chair, Federal Interagency Committee on
EMS (FICEMS)

Upcoming Prehospital Blood Series Topics

AUG

18

Establishing a Prehospital Blood Transfusion Program

@ 1:00pm EST

[Register →](#)

SEP

22

Working with a Blood Supplier in Your Prehospital Blood Program

@ 1:00pm EST

[Register →](#)

OCT

28

Paying for Your Prehospital Blood Program

@ 1:00pm EST

[Register →](#)

DEC

15

Prehospital Blood Transfusion: Tracking Success & Improvement

@ 1:00pm EST

[Register →](#)

NOV

17

Prehospital Blood Transfusion Policies, Protocols Guidelines & Training

@ 1:00pm EST

[Register →](#)

**Scan to
Register
for Series**





EMS Focus

PREHOSPITAL BLOOD TRANSFUSION IN PRACTICE



VARIETY OF TOPICS

Provides the EMS community with a unique opportunity to learn more about prehospital blood transfusion best practices.



EXPERIENCE

Brings federal, state and local leaders to you!



REGISTER

With opportunity for Q&A. Closed captioning is available.



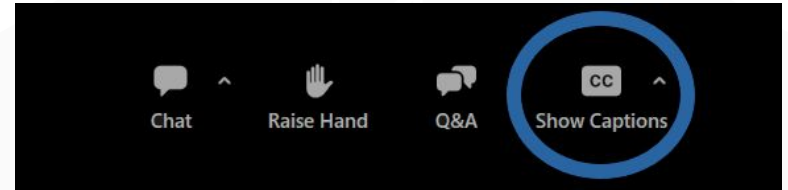
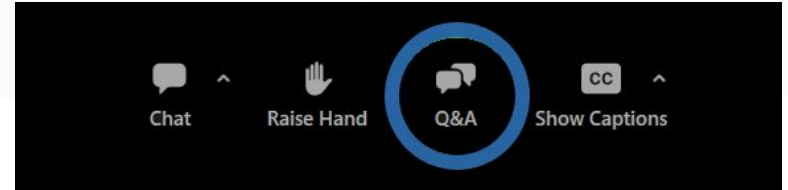
FEEDBACK & QUESTIONS

nhtsa.ems@dot.gov

Zoom Functions

This webinar will utilize two features in the Zoom Meeting controls.

- “Q&A” - Use this feature to submit your question virtually in a pop-up window/chat box
- “Show Captions” - Use this feature to turn on closed captions at any point during the webinar



NHTSA Office of EMS

Mission



Reduce death & disability



Provide leadership & coordination to the EMS community



Assess, plan, develop & promote comprehensive, evidence-based emergency medical services & 911 systems



EMS.gov Resources



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Featured Resources

Use these links to find the most popular resources on EMS.gov:

- "Star of Life" Brochure
- Education Standards
- EMS Agenda 2050
- Evidence-Based Guidelines
- Innovation Opportunities for Emergency Medical Services: A Draft White Paper
- Managing Emerging Diseases
- NEMSIS
- Scope of Practice Model
- State Assessments

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National EMS Instructional Guidelines



EMS Focus: Defining Prehospital Blood Transfusion

Panelists



Dr. Jon Krohmer, FACEP, FAEMS
Chair
Prehospital Blood Transfusion
Coalition



Eric Bank, LP, NRP, FAEMS
Assistant Chief of EMS
Harris County ESD48, Texas



Moderator

Gamunu Wijetunge
Director
Office of EMS, NHTSA

SIX ELEMENTS OF A PREHOSPITAL BLOOD TRANSFUSION PROGRAM

STAKEHOLDER COMMITTEE

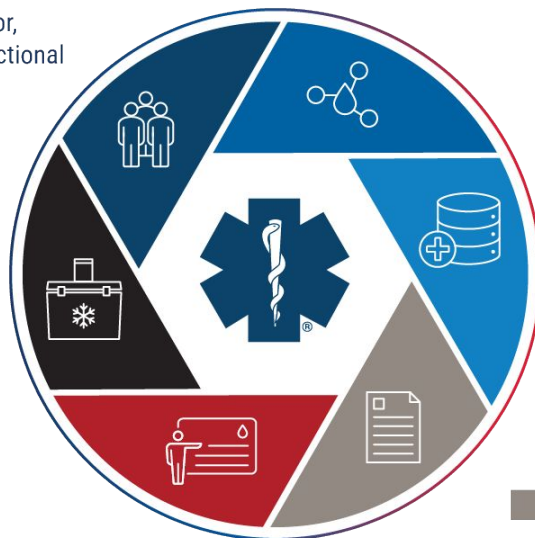
Community, regional and hospital blood banks, hospital administrators, EMS, state/local EMS medical director, trauma/ER personnel and state agencies with jurisdictional authority provide initial and ongoing input and feedback. They can assist in overcoming regulatory, administrative and logistical barriers.

EQUIPMENT

Vehicles carrying blood products must have blood-administration equipment and software for monitoring temperature-controlled coolers to maintain appropriate storage conditions.

EDUCATION & TRAINING

Sharing scientific literature regarding the value of prehospital blood transfusion in motor-vehicle crash patients and other trauma patients is critical, as is securing support for initial and ongoing competency-based training and program management.



BLOOD-SHARING NETWORK

Across the country, blood is often in short supply, and one crash patient can require many units of blood.² Working with hospitals and blood suppliers ensures adequate blood products are available to EMS, and agency-based blood drives can also increase supply.

DATA/CQI

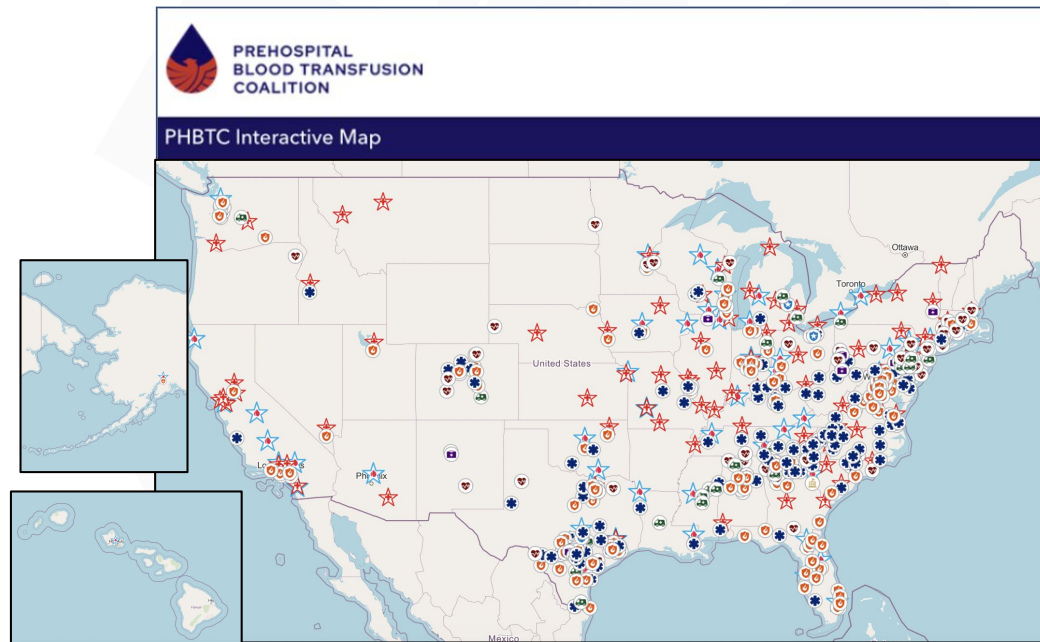
Initial and ongoing data analysis on blood usage patterns, patient safety and outcomes, system efficiency, local/state gaps in blood availability, inventory levels, and transportation infrastructure tracks a program's effectiveness.

GUIDELINES

These include documented, locally compliant processes and criteria for clinician (paramedic) transfusion of prehospital blood; storage, packaging, transport, and resupply of blood; disposition of unused blood; billing and reimbursement; and patient handover from EMS to hospital staff.

TRACKING PREHOSPITAL BLOOD TRANSFUSION PROGRAMS

- More than 400 prehospital blood programs to-date
- Prehospital Blood Transfusion Coalition tracks programs nationally
- Visit prehospitaltransfusion.org to learn more



Prehospital Blood Coalition Map, July 2026

PREHOSPITAL BLOOD: A NATIONAL SAFETY PRIORITY IN ACTION

Pathways to Safer Streets (P2SS)

- Prehospital blood is named one of eight federal priorities in the Administrator's action plan—with new tools and resources to strengthen SHSO partnerships

IF WE DO THIS RIGHT,

if we work as one system, one network, with one mission, then one day, the idea of losing *tens of thousands of people* on our roads each year, will feel not just tragic, but *unthinkable*.

Let's use the next several years to prove that traffic fatalities are not an *inevitable part* of American life. Let's turn our shared mission into a reality.

JONATHAN MORRISON
NHTSA Administrator

Pathways to Safer Streets

The infographic features a circular diagram with eight segments, each representing a pathway to safer streets:

- PREVENT**: Impaired Driving
- REENGAGE**: Law Enforcement
- EXPAND**: Prehospital Blood Transfusion Programs
- LEVERAGE**: State Highway Safety Offices
- MOBILIZE**: A National Partnership Strategy
- REDUCE**: Excessive Speeding
- INCREASE**: Occupant Protection Use
- ELIMINATE**: Distracted Driving

The background of the infographic shows Jonathan Morrison, NHTSA Administrator, speaking at a podium with a sign that reads "BALTIMORE MARYLAND 2026 LIVESAVERS".

HOW NHTSA IS SUPPORTING PREHOSPITAL BLOOD



Increasing national visibility of prehospital blood transfusion with public safety, highway safety and elected officials



Advancing education, collaboration and best practice sharing across EMS and 911



Partnering with national and regional stakeholders across the care continuum



Releasing resources (infographics, informational videos, use cases, etc.) communicating impact and best practices



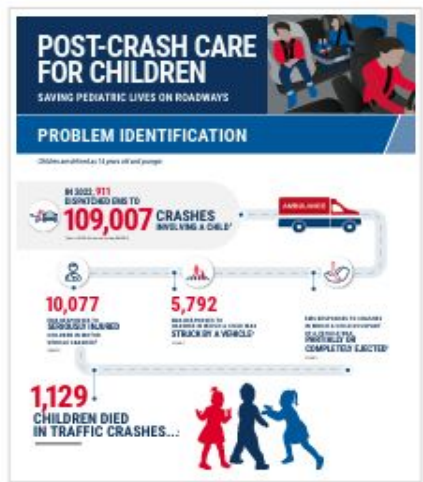
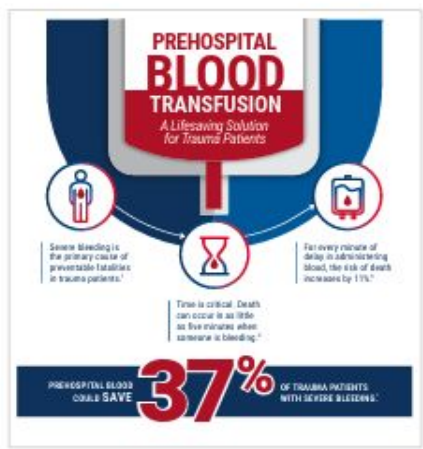
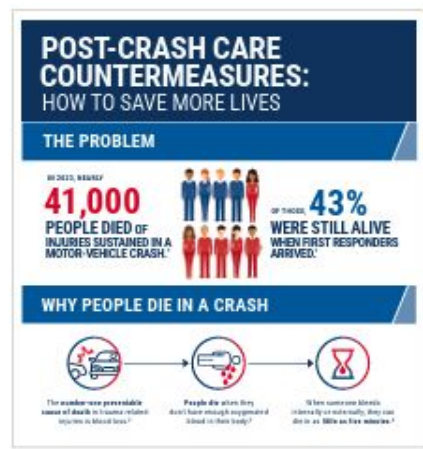
Providing federal funding to support scalable programs



Accelerating adoption over the next 3 years to advance one of the most transformative EMS interventions in a generation

ACCESS NEW RESOURCES TO:

- Learn how 911 and public safety are improving highway safety and enhancing post-crash care to save more lives
- Explore ways these efforts are helping save lives



Q&A

Watch Previous
Webinars:





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 [NHTSA](https://www.nhtsa.gov)

 [911.gov](https://www.911.gov)

THANK YOU!

Feedback & Questions

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