MDHHS Michigan Department of Health & Human Services | Bureau of Emergency Preparedness, EMS and Systems of Care

This material was developed through project, 2027-CR-01-IG, funded by the Michigan Office of Highway Safety Planning and the U.S. Department of Transportation

2027 DESoC Prehospital Blood Pilot Project

Partner Support Request

Prehospital blood transfusion may reduce mortality and improve outcomes for injured or ill patients experiencing hemorrhagic shock by providing life-saving blood components at the earliest moment possible[1]. There is a national interest in developing the ability to administer blood and blood components as soon as possible to a select group of injured, hemorrhaging patients. The Division of EMS and Systems of Care (DESoC) is partnering with the Office of Highway Safety Planning (OHSP) to enhance post-crash care in EMS Systems by providing grant opportunities to develop Prehospital Blood (PHB) programs.

Grants will be awarded to selected EMS agencies to support the development of a prehospital blood pilot project. Successful prehospital blood programs require coordinated multi-stakeholder collaboration between EMS agencies, hospitals, Medical Control Authorities (MCA), blood distributors, and regulatory bodies.

The EMS agencies selected to participate in the project will be required to outline their specific protocols, procurement and exchange procedures, and submit required documentation and details regarding handoff prior to implementation of their PHB pilot project.

The MCAs will be responsible for providing medical oversight, review for quality assurance and at a minimum, adoption of the State Blood Administration protocol. Exceptions will be considered if the participating MCA has an existing approved Blood Administration protocol.

The Regional Trauma Network Regional Professional Standards Review Organization (RPSRO) will review all trauma-related PHB administrations to monitor care, review protocol deviations, analyze data and conduct case reviews.

Hospitals will provide additional on-line medical direction and support to EMS agencies utilizing PHB. Support for the program will include ED education about the project, documentation essentials for the prehospital administration, and trauma activation if indicated, education regarding the Massive Transfusion Protocol (MTP) if needed and reaction monitoring and guidelines if that occurs, post transfusion follow-up.

Effectively treating patients requiring blood in a pre-hospital setting will require the collective support of system partners including Medical Control Authorities (MCA) and hospitals. intends to apply to participate in the pilot project described about and is requesting support from local Medical Control Authorities, Hospitals and Regional Trauma Network Regional Professional Standards Review Organization. This letter serves as documentation that the following entities have indicated their support.

Signatures of Support

Printed Agency	Printed Agency Representative	Signature / Date
Printed MCA	Printed MCA Medical Director	Signature / Date
Printed MCA	Printed MCA Medical Director	Signature / Date
Printed MCA	Printed MCA Medical Director	Signature / Date
Printed Hospital	Printed ED Medical Director	Signature / Date
Printed Hospital	Printed ED Medical Director	Signature / Date
Printed Hospital	Printed ED Medical Director	Signature / Date
Printed RTN RPSRO	Printed RTN RPSRO Chair	Signature / Date

References

1. Implementation of a prehospital whole blood program: Lessons Learned Levy, Matt et al J Am Coll Physicians Open. 2024 Mar 21;5(2):e13142.doi10.1002/emp2.13142