

POST-CRASH CARE COUNTERMEASURES: HOW TO SAVE MORE LIVES

THE PROBLEM

IN 2023, NEARLY

41,000

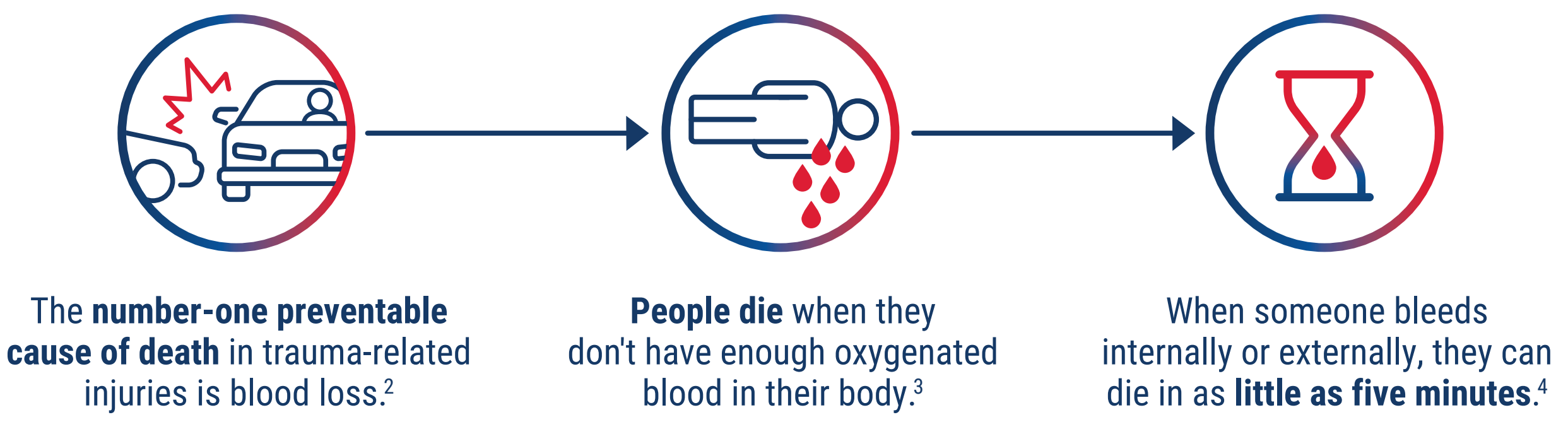
PEOPLE DIED OF INJURIES SUSTAINED IN A MOTOR-VEHICLE CRASH.¹



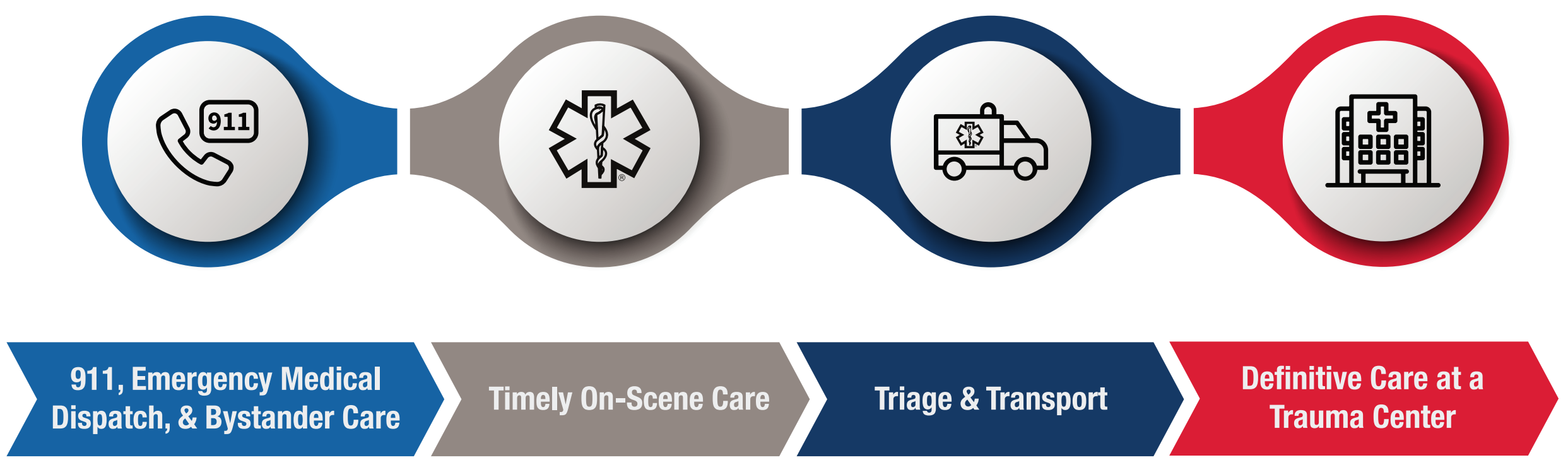
OF THOSE, **43%**

WERE STILL ALIVE WHEN FIRST RESPONDERS ARRIVED.¹

WHY PEOPLE DIE IN A CRASH



SEAMLESS CARE IMPROVES SURVIVAL



COUNTERMEASURES: 11 WAYS TO SAVE MORE LIVES ON THE ROAD

1. FIND THE CRASH.



ADVANCED AUTOMATIC CRASH NOTIFICATION TO CENTERS
911 centers with optimal technology will receive crash location and severity information, which has the potential to **save 360 to 721 lives annually**.⁵



GEOGRAPHIC INFORMATION SYSTEM (GIS) DATA AVAILABLE TO 911
911-standard compliant addressing **data provides telecommunicators exact crash and caller location** to inform the most efficient dispatch of first responders.

2. CARE FOR THE VICTIM.



CALL-TAKING PROTOCOLS
Just **43% of 911 centers** follow Emergency Medical Dispatch protocols, which guide telecommunicators to both dispatch the appropriate emergency responders and help callers provide immediate care before help arrives.⁶



PREHOSPITAL BLOOD TRANSFUSION
Severe blood loss is the **leading cause of preventable death** in trauma cases, and nearly half of patients die before they reach the hospital. Prehospital blood transfusion is proven to **reduce mortality by 37%** among trauma patients.²



BYSTANDER CARE
Witnesses to a crash can **quickly provide lifesaving care**, such as applying a tourniquet,² using an AED or delivering CPR.



RAPID EXTRICATION
Crash victims who are trapped in a vehicle are **more likely to die** and have time-critical injuries requiring intervention.⁷

3. GET TO THE RIGHT HOSPITAL.



TRANSPORT VICTIMS TO APPROPRIATE CARE ACCORDING TO NATIONAL FIELD TRIAGE GUIDELINES.
Organized trauma care systems **reduce mortality from motor vehicle crashes by 8%**.⁸

4. IMPROVE POST-CRASH CARE.



HIGHWAY SAFETY PLANNING THAT INCLUDES POST-CRASH CARE
By working together on strategies that improve prehospital care, EMS agencies and State Highway Safety Offices can **reduce the number of motor-vehicle crash fatalities**.⁹



FULLY STAFFED AND RESOURCED 911 AND EMS SYSTEMS
More than half of 911 centers¹¹ and many EMS systems¹² are experiencing a staffing crisis.



TRAFFIC INCIDENT MANAGEMENT (TIM) TRAINING FOR 911 & EMS
Approximately 30% of EMS professionals were TIM-trained by 2022.¹⁰



APPLYING DATA FOR CONTINUOUS IMPROVEMENT
Access EMS crash data through the National EMS Information System (NEMSIS) database to identify problems and opportunities for improvement and prevention.

FOR MORE INFORMATION ABOUT PREHOSPITAL BLOOD TRANSFUSION GO TO [EMS.GOV](https://www.ems.gov).

References

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911.gov