The NHTSA Office of EMS













Today's NHTSA Office of EMS

Our Mission

Reduce death and disability by providing leadership and coordination to the EMS community in assessing, planning, developing, and promoting comprehensive, evidence-based emergency medical services and 911 systems.



The National Roadway Safety Strategy

The Role of Post Crash Care in the Safe System Approach

https://www.transportation.gov/NRSS



The Problem

Between 2011-2020, over 370,000 people died in transportation incidents in the U.S.—and more than 94% of them died on our roads.

National Roadway Safety Strategy

United States Department of Transportation | January 2022







The Vision

We must strive for zero roadway fatalities—no other number is acceptable.

National Roadway Safety Strategy

United States Department of Transportation | January 2022



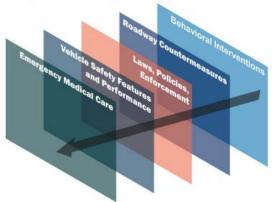




The Objectives

- Safer People
- Safer Roads
- Safer Vehicles
- Safer Speeds
- Post-Crash Care

All layers of a Safe System Approach are critical.



National Roadway Safety Strategy

United States Department of Transportation | January 2022

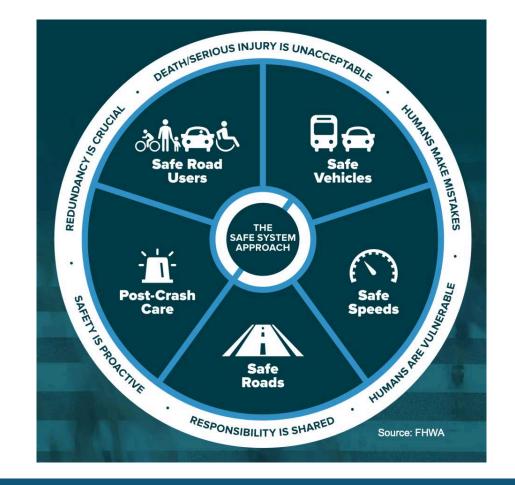






Safe System Approach

EMS = 4th "E" of Highway Safety







Improving Emergency & Trauma Care Saves Lives



20% OF TRAUMA DEATHS

are preventable with optimal emergency and trauma care



ARRIVED, BUT LATER DIED²



MORE THAN ONE THIRD OF SERIOUSLY INJURED CRASH VICTIMS ARE NOT TAKEN TO A LEVEL I OR II TRAUMA CENTER?

THERE IS A

25% INCREASE IN THE

ODDS OF SURVIVAI

for severely injured patients if treated in a hospital that is a level I or II trauma center⁴





Improving
Emergency &
Trauma Care
Saves Lives

40%

WERE ALIVE WHEN FIRST RESPONDERS ARRIVED, BUT LATER DIED²





911

- Public Safety Answering Points (PSAPs)
- Telecommunicators
- Dispatch & EMS
 Activation
- Linking 911 & DOT data







National EMS Information System Post Crash Care Facts (2021)



- >5,300 Public Safety Answering Points answer 200 Million requests for emergency assistance
- 12,000 EMS agencies responded to >1,430,00 motor vehicle crashes (MVCs)
- Death rates increase by 3% for every minute first responders are delayed
- 10,660 patients were severely injured in MVCs







Motor Vehicle Crash Dashboard



https://nemsis.org/view-reports/public-reports/version-3-public-dashboards/v3-public-motor-vehicle-crash-dashboard/







BIPARTISAN INFRASTRUCTURE LAW



Section 405 - NEMSIS as core highway safety database

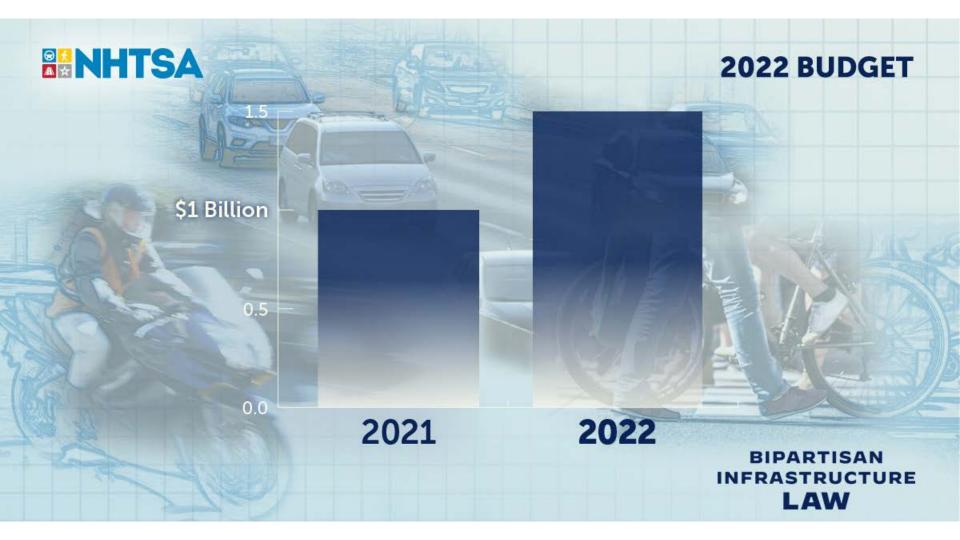
- collect, report EMS data & enter into core databases
- compatibility & interoperability of databases with NEMSIS
- supporting traffic records improvement training & expenditures for emergency medical professionals

* Graphic credit: FHWA









National Association of State EMS Officials

- Linkage between EMS, trauma registry, crash data, roadway inventory.
- Improve outcomes via **triage** and **destination guidelines** for EMS.
- Bypass protocols or transfer agreements to ensure highest and most appropriate level of care.
- Rapid EMS transportation of MVC patients ("pit crew" approach)
- NG9-1-1...greatly enhancing discovery of, and response to, MVCs
- All communities should have access to emergency medical dispatch
- EMS infrastructure in rural areas deteriorating...unfunded system that suffers from being considered a non-essential service"



NASEMSO Responses, June 2018 to NHTSA Request for Information on Improving Prehospital Trauma Care







Field Trauma Triage Guidelines Update

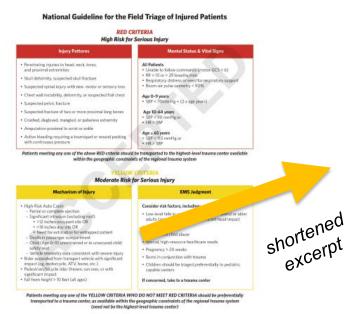
- American College of Surgeons Committee on Trauma -"National Guideline for the Field Triage of Injured Patients: Recommendations of the National Expert Panel on Field Triage, 2021" *
- EMS determines injury severity, initiates injury management,
 & decides appropriate destination via "field triage"
- Right Patient to Right Place at Right Time = Saves Lives

*Journal of Trauma & Acute Care Surgery - Publish Ahead of Print. Accessed 4-27-22.





Field Trauma Triage Guidelines Update



YELLOW CRITERIA

Moderate Risk for Serious Injury

- High-Risk Auto Crash
 - Partial or complete ejection
 - Significant intrusion (including roof)
 - Death in passenger compartment
 - Child unrestrained/in unsecured child safety seat
 - Vehicle telemetry data consistent with severe injury
- Rider separated from transport vehicle w/ significant impact
- Pedestrian/bicycle rider thrown, run over, or w/ significant impact

*Journal of Trauma & Acute Care Surgery - Publish Ahead of Print 4-27-2022











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