911 AND HIGHWAY SAFETY

CALLS TO 911: MORE THAN 200 MILLION ANNUALLY[1]

Many of these occur along the roadways

Obstruction in the road

Roadside assistance

Motor-vehicle crash

Advanced Automatic Crash Notification to 911

Impaired/ distracted driver

SPEED LIMIT 35

Excessive speed

WRONG WAY

Wrong-way driver

911 plays a critical role in a safe system

SAFE SYSTEM APPROACH

DEATH AND SERIOUS INJURIES ARE UNACCEPTABLE
HUMANS MAKE MISTAKES
HUMANS ARE VULNERABLE
RESPONSIBILITY IS SHARED
SAFETY IS PROACTIVE
REDUNDANCY IS CRUCIAL

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

EMERGENCY RESPONSE TO CRASHES

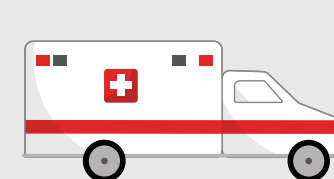Every year, there are approximately **14 million** motor-vehicle crashes.[2]

911 dispatches law enforcement to nearly **6 million** crashes annually.[3]

On average, 911 dispatches EMS to **1.6 million** crashes every year.[4]

COUNTERMEASURES: AREAS TO IMPROVE SURVIVAL

911 OPERATIONS

• Structured protocols guide the dispatch of the appropriate emergency response and can include instructing bystanders to provide immediate care before help arrives.[5]

• Adequately staffed 911 centers with telecommunicators trained in Traffic Incident Management, help reduce the duration and impacts of traffic incidents, like secondary crashes.[6]

DATA COLLECTION

• Standardized data collection can help to better understand and prevent crashes.[7]

INTEROPERABILITY

• Enhancement of Computer Aided Dispatch interconnections (CAD-to-CAD) support 911 dispatch of the most appropriate unit.[8]

• Advanced Automatic Crash Notification technology allows 911 centers to receive critical information, including severity, having the potential to save 360 to 721 lives annually.[9]

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

• Next Generation 911-compliant addressing data provides telecommunicators with exact incident location.[10]

References
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2. The Economic and Societal Impact of Motor Vehicle Crashes, 2019 (Revised)
3. Summary of motor vehicle traffic crashes: 2022 data
4. NEMSIS
5. Correlation of emergency medical dispatch traffic/transportation incidents to on-scene outcomes.
6. Traffic Incident Management
7. 911 Data Path Initiative
8. Interoperability is Key to Effective Emergency Communications
9. Advanced Automatic Collision Notification Research Report
10. Efficient and configurable: Supporting NG911 with the Address Data Management Solution.

NHTSA

911.gov