



2025 Tactical Wheeled Vehicles Conference







United States Army Reserve | Battalion Support Operations

GG 3% REDUCED RISK

OF SEVERE INJURY OR DEATH

(GAO report 21-361)

DEATHS

NON-COMBAT CRASHES

2010 to 2019

Approved for Public Release





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NDIN 2025 Tactical Wheeled Vehicles Conference

UNIQUE VEHICLES



Non-Automotive Occupant Safety for over 60 years



MODERN SAFETY

UNIQUE VEHICLES

Front Airbags Side Airbags **Overhead Airbags Seat Belt Pretensioners**

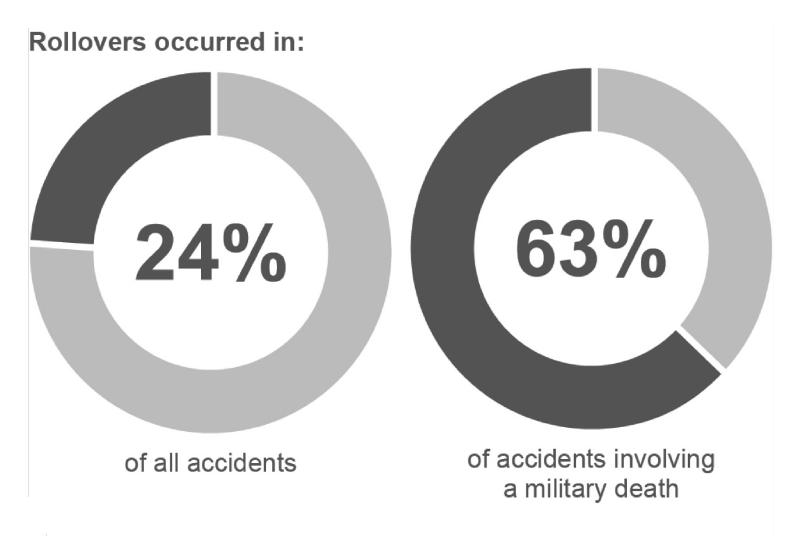
Modernize Safety





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Percentage of Army and Marine Corps Tactical Vehicle Accidents Involving Rollovers, Fiscal Years 2010 through 2019



ROLLOVERS most dangerous crash



Severe injury reduced 93%

Source: GAO analysis of Department of Defense data. | GAO-21-361





ANALYZE PROBLEM

Vehicle Occupants Injury Death

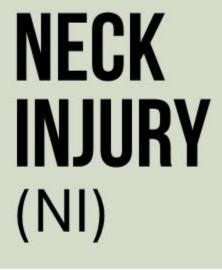




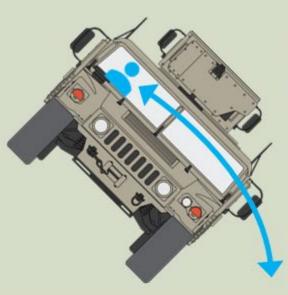
INJURY TYPE

TEST

GREATEST RISK



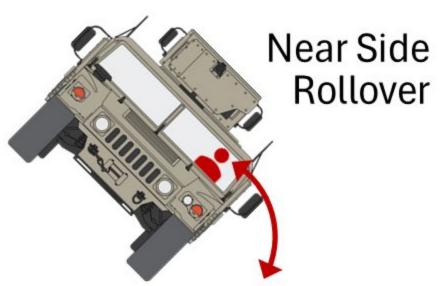




Far Side Rollover

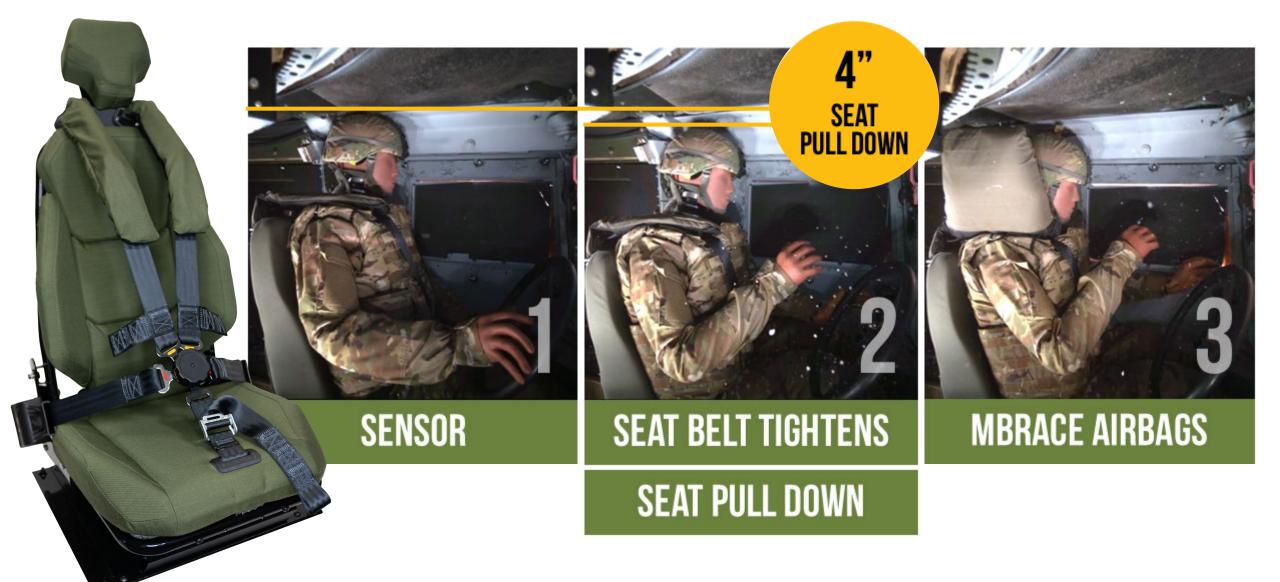
TRAUMATIC BRAIN INJURY (TBI)







MARS MBRACE AND ROLLTEK SYSTEM







NECK INJURY RISK DURING ROLLOVER CRASH



DEATHS NON-COMBAT CRASHES 2010 to 2019

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3% REDUCED RISK

OF SEVERE INJURY OR DEATH



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