NIOSH Informational Video Series



NIOSH partnered with Department of Homeland Security's Science and Technology Directorate as well as other federal agencies and the ambulance industry to develop a 7part video series that covers new crash test methods.

Video series became available on the NIOSH EMS Workers webpage the week of May 22, 2017

www.cdc.gov/niosh/topics/ems/videos.htm





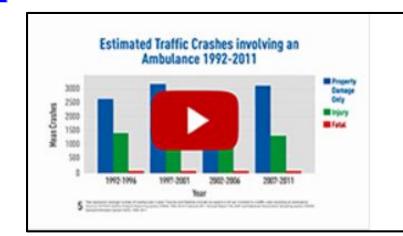
Video Series Goals & Distribution

- Desire is to push information out to EMS workers and ambulance purchasers nationwide.
- Tried to make the video informative without a lot of technical detail.
- Over 30 participants on camera.
- Video series available on NIOSH website and hopefully linked by others including NASEMSO.
- DVDs will be mailed soon to all State EMS Directors, State Medical Directors, and ambulance manufacturers. These could also be reproduced by states or others for training on distribution.
- Hopefully, state offices will push the link out broadly within their respective EMS communities.
- We also expect builders to use some of this information to encourage buyers to seek safer solutions





Video 1: History, Injuries & Standards

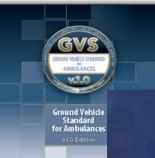






NFPA 1917 Standard for Automotive Ambulances Effective 2016 2nd Edition





Established and A Decementer exception







Video 2: Crash Testing an Ambulance



This video highlights the value of crash testing to the development of all our subsequent test methods.

The energy measured in these crash tests is used as the input to all of our other testing.





Video 3: Patient Compartment Seat Testing



This video covers the new seat testing requirements including the measurement of head travel during a crash.

At the end of this video we also provide some seating demos from research partners EVS and Wise.







Video 4: Patient Cot & Restraint Testing



This video covers the new cot testing requirements including the change in patient excursion derived from the change in restraint location.





At the end of this video we also provide demos of manual and powered cots from research partners Ferno and Stryker.





Video 5: Equipment Mounts & Cabinets



This video highlights the risks of flying equipment and supplies as described by several providers and manufacturers.



Our goal is to encourage EMS workers to get away from the habit of placing loose equipment on the action area or bench seat.







Video 6: Body and Floor Strength





Industry leading rollover strength testing!!

This video covers testing requirements designed to improve roof and floor strength.



Partners explain the value of the new tests to worker and patient safety.



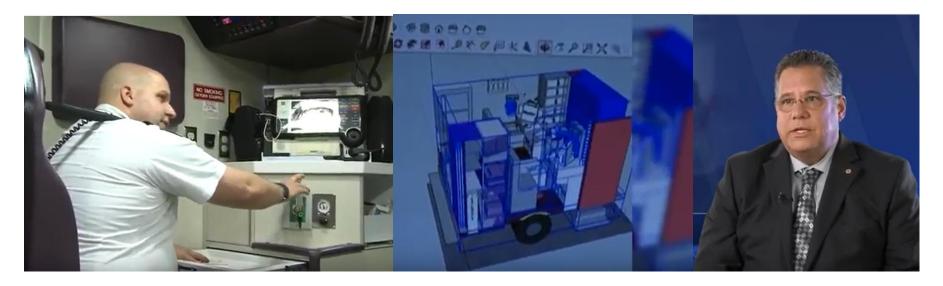


Video 7: Human Factors Design Guidebook



This video hopes to pull everything together for providers and ambulance builders.

The goal is to help buyers know they can influence the design of their ambulance based on their unique needs.







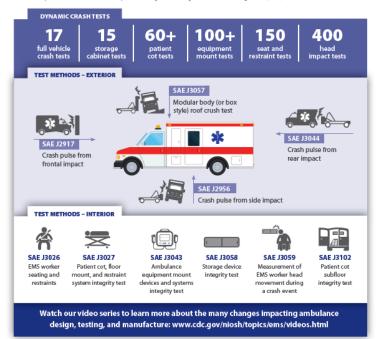
NIOSH Infographic



Keeping Emergency Medical Services Workers Safe on the Job



NIOSH and the Department of Homeland Security's Science and Technology Directorate partnered with other federal agencies and the ambulance manufacturing industry to conduct ambulance crash testing to reduce and eliminate crash-related injuries and deaths to Emergency Medical Services (EMS) workers in the patient compartment. These dynamic crash tests contributed to the development of 10 test methods published by the Society of Automotive Engineers (SAE).



- Provides a quick overview of all SAE Test Methods
- Highlights the breadth of this effort based on number of tests completed
- Great hook to help lead EMS providers to the video series

https://www.cdc.gov/niosh/topics/ems/pdfs/Ambulance-INFOGRAPHIC-051617.pdf





Contact Information



"The findings and conclusions in this presentation are those of the author and do not necessarily represent the views of the National Institute for Occupational Safety and Health (NIOSH). Mention of company names or products does not imply endorsement by NIOSH."



