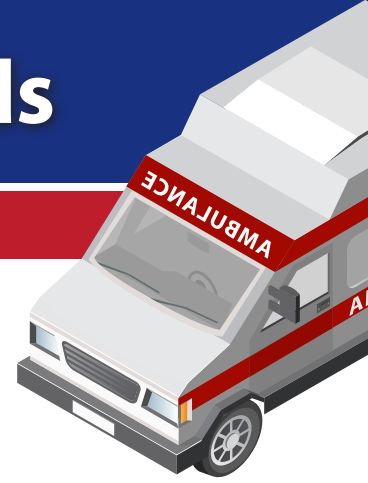


Ambulance Crash Test Methods

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).

DYNAMIC CRASH TESTS

17

full vehicle
crash tests

15

storage
cabinet tests

60+

patient
cot tests

100+

equipment
mount tests

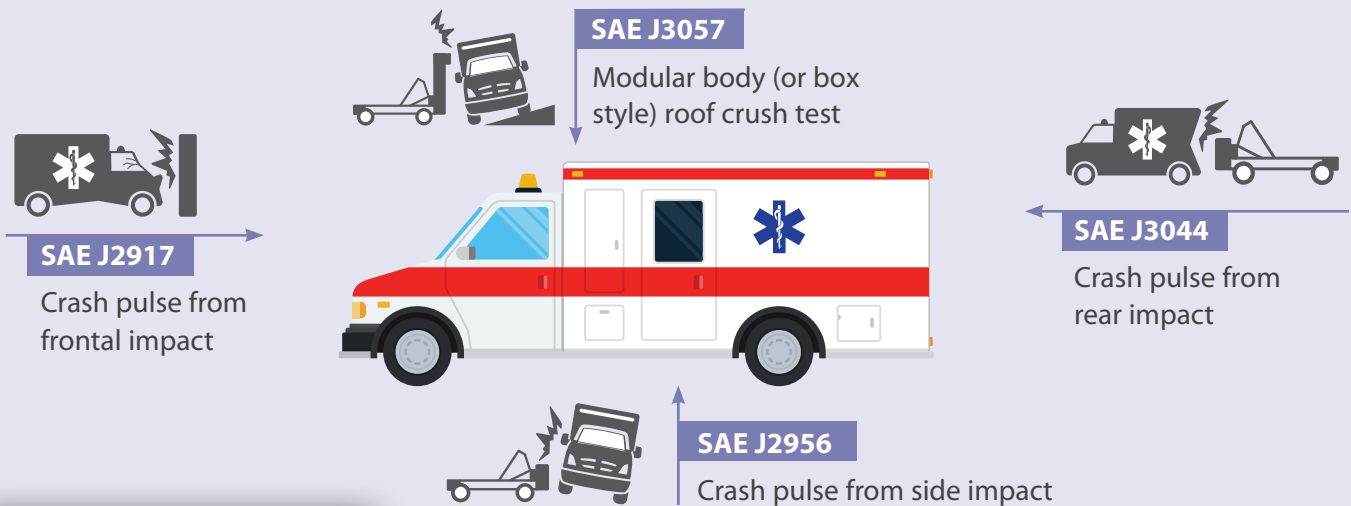
150

seat and
restraint tests

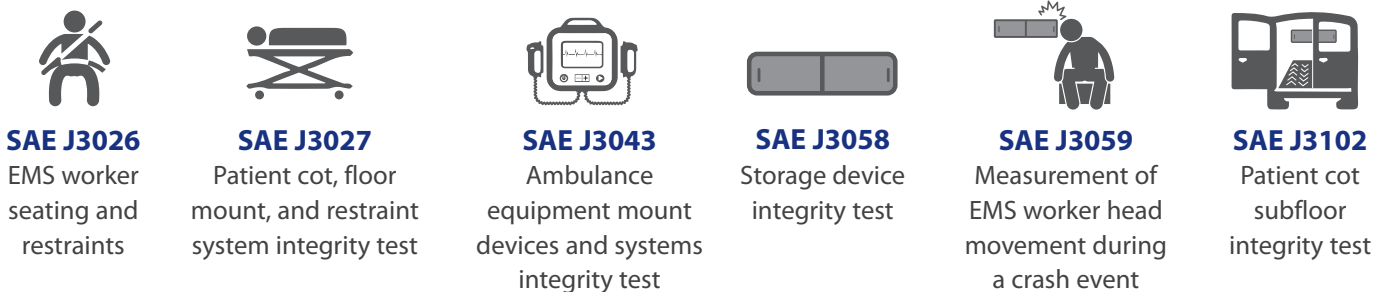
400

head
impact tests

TEST METHODS - EXTERIOR



TEST METHODS - INTERIOR



Watch our video series to learn more about the many changes impacting ambulance design, testing, and manufacture: www.cdc.gov/niosh/topics/ems/videos.html



Homeland Security

Science and Technology