

Purpose

- Create uniform testing methods for child transport devices to be used in an ambulance
- Address pediatric patients from neonates to adolescents
- Focus on unique transport devices for the supine or seated pediatric patient, as well as, neonate transport devices
- Employ actual crash testing derived from full-vehicle front, side, and rear impact testing



Safely Transporting Children

Building New Crash Test Standards

Get Involved

- Financial donations are now being accepted by NASEMSO
- Manufacturers are invited to provide engineering support and new products for testing
- Associations and organizations can sign on to a letter of support
- Contact NASEMSO to participate in technical committees

Contact Us

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Proposal

We propose the use of a proven methodology to ensure pediatric patient safety during ambulance transports through the collaborative development, validation, and publication of three new test methods.

Because pediatric populations have unique transport needs, the testing methods would be developed for each of three unique pediatric populations:

1. **Supine pediatric patients**
2. **Seated pediatric patients or pediatric companion transports**
3. **Supine neonatal patients**

Roadmap

1. Industry Government Subcommittee
Industry and government team identifies project goals, identifies funding, and creates a first draft for each test method to be proposed.

2. Validation Testing & Test Method Creation

Partners develop test program and validate each proposed test method through full scale testing. We also create products that meet new testing requirements.

3. Full AMD Membership

Full AMD membership reviews, comments, and eventually approves each test method formatted as an SAE Recommended Practice.

4. SAE Technical Committee

SAE Technical Committee reviews, revises, and ultimately publishes each Recommended Practice.

5. Adoption by Bumper-to-Bumper Standard

SAE document becomes effective once adopted by GSA, NFPA, and/or CAAS.

6. A State Enacts Regulation to Adopt Bumper-to-Bumper Standard

New, safer product is required for use by the EMS community.

Who can participate?

- Federal and state governments interested in patient safety
- Insurers, children's hospitals, and patient advocacy organizations
- Industry partners, ambulance manufacturers and child transport device manufacturers

Pictured below: 2016 ambulance crash in Albuquerque, NM, involving an infant in an incubator. NHTSA's crash investigation report can be found here: [bit.ly/2016crash](https://www.nhtsa.gov/sites/nhtsa.dot/files/2016-08/2016-08-01-AMBU-000001.pdf)



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