

A decorative graphic in the top left corner featuring a series of stars in red and white, arranged in a slight arc. To the right of the stars are horizontal stripes in red and white, and a large blue arrow pointing to the right.

FMCSA Research & Technology Forum

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A decorative graphic in the bottom right corner featuring three red stars arranged in a slight arc.



Overview

- ★ Why Research is Important to Trucking
- ★ The Importance of Research Partnerships
- ★ Current ATA and ATRI Research Projects
- ★ Future Research Needs
- ★ But, let's start with some safety facts

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Truck Safety Facts

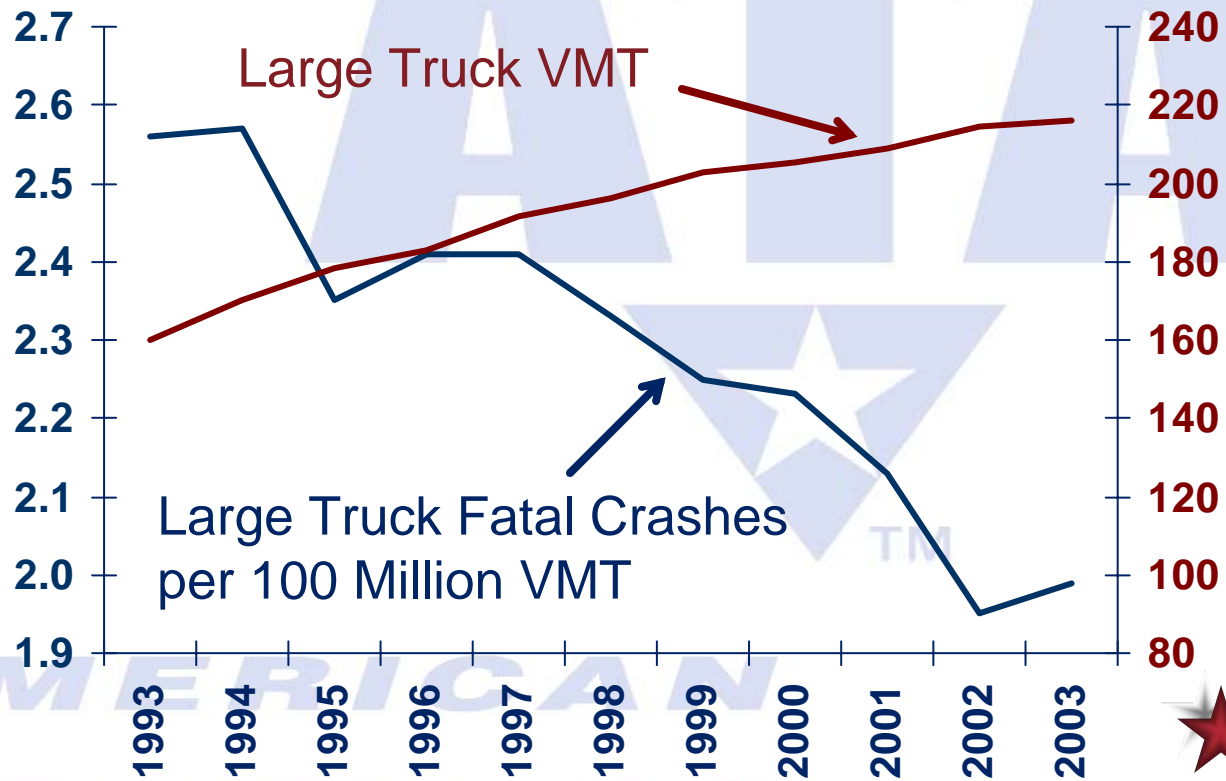
★ The news is positive for truck safety, but more can be done

★ The positive news - the last decade (93-03):

- truck mileage up 35%
- fatal crash rate down by 22%
- injury crash rate down by 30%

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★ Large Truck Fatal Crash Statistics 1993-2003



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Truck Safety Facts

★ The Good News Continued:

- In fatal crashes, 1% intoxication rate vs. 22% for passenger car & light truck drivers
- Driver OOS rate is at its lowest point
- Majority of MCs receive a Sat. safety rating
- But, more can and must be done





Improving Truck Safety

- ★ But it has to be the right “More”
- ★ Prevention of crashes requires understanding of HOW & WHY they occur
- ★ Research is the key (*LTCCS is an excellent example*)





Why is Research Important to the Trucking Industry?

- ★ Identifies ways to improve industry safety—the right “more” (e.g., *FMCSA’s 2003 Safety Belt Usage study*)
- ★ IDs the feasibility and cost-effectiveness of safety improvements (e.g., *March 2004 Report to Congress on Central Database for Verified Positive Drug Tests*)





Why is Research Important to the Trucking Industry?

- ★ **IDs opportunities for efficiency and productivity gains (e.g., *ATRI's Higher Productivity Vehicle Study*)**
- ★ **Develops & furthers productive working relationships/partnerships (*intra-industry, industry-govt., industry and suppliers, etc.*)**
- ★ **Establishes & builds expertise within organizations (e.g., *fatigue mgmt. technologies*)**





Current ATRI Research Projects

- ★ Safety & Productivity Impacts of the New HOS**
- ★ Effectiveness of CMV Enforcement Strategies**
- ★ Driver Violation Notice / Employer Notification Service**





Current ATRI Research Projects

- ★ ***Safety by Design: Optimizing Safety in Highway Work Zones***
- ★ **Electronic Supply Chain Transactions**





Current ATA Research Projects

★ LCV Safety Study

**★ Winter Road Management – Corrosion &
De Icing**





Future Research Projects

- ★ Truck Speed Control Safety**
- ★ Older Truck Driver Safety**
- ★ Safety Technologies**





Summary & Conclusion

- ★ **Research is important to trucking**
- ★ **ATA and ATRI values its partnership with FMCSA on safety research**
- ★ **We will continue to be part of the safety solution**

