

Challenges to Trespass Prevention



NTSB Forum

Trains & Trespassing: Ending Tragic Encounters

March 24 – 25, 2015

Washington, DC

Happens at a variety of locations.

CHALLENGE



On Bridges



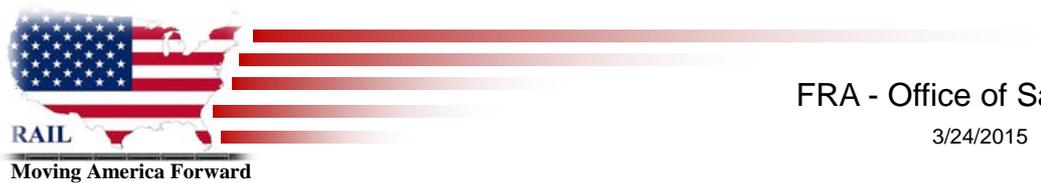
On University Campuses



Behind Youth Recreational Facilities

Happens at anytime.

CHALLENGE



Moving America Forward

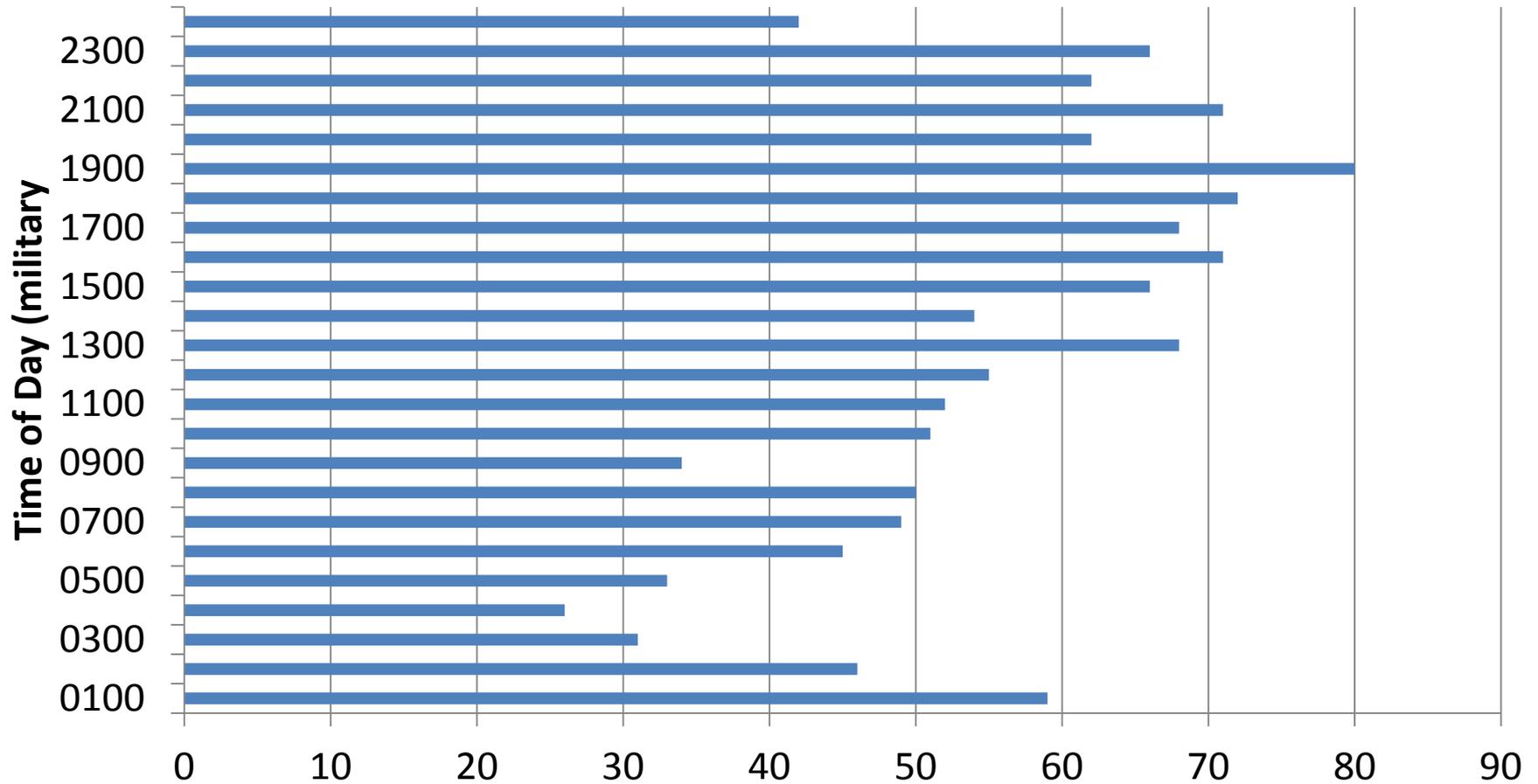
FRA - Office of Safety

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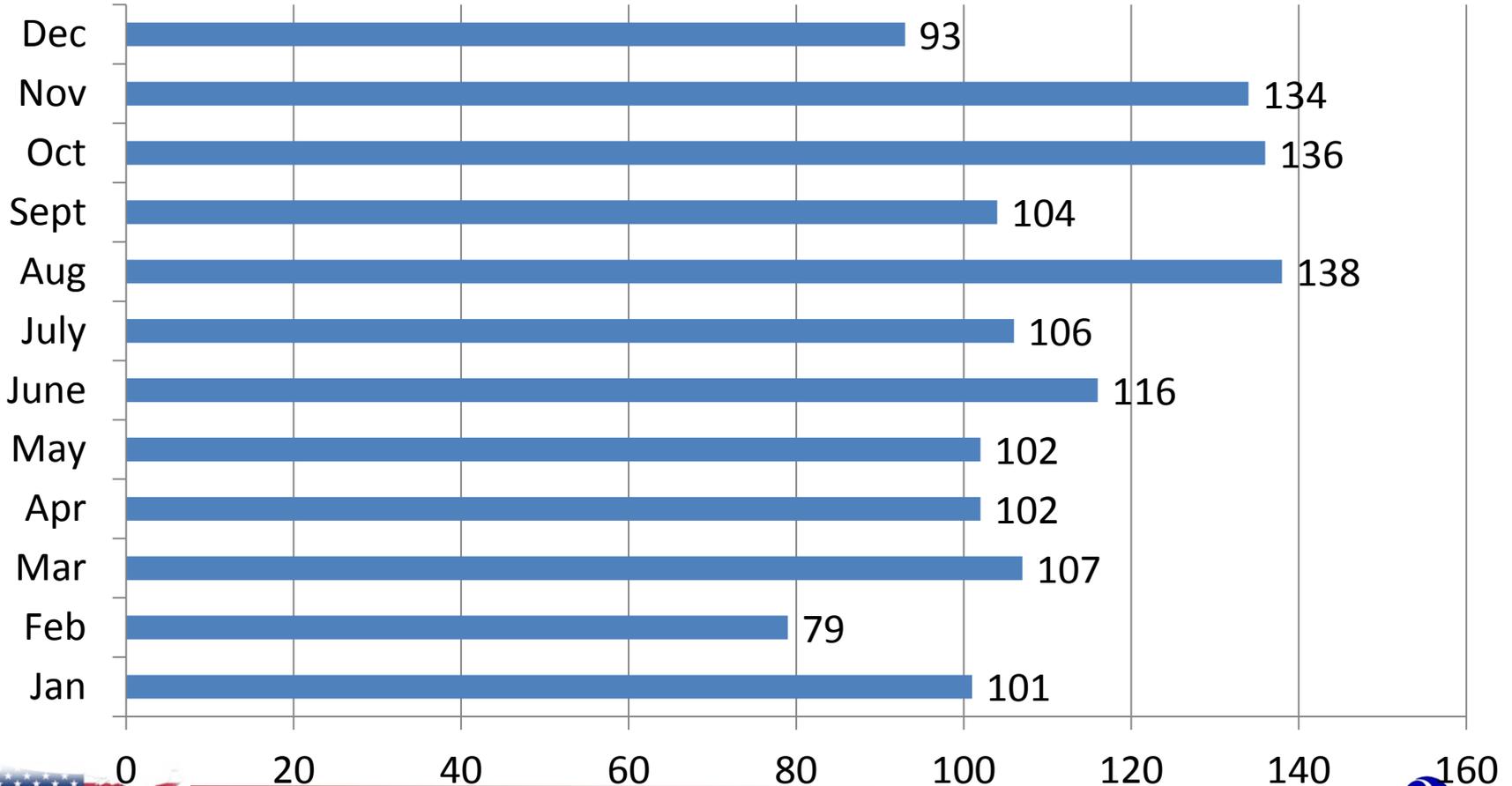


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of Transportation
**Federal Railroad
Administration**

2014 Trespass Casualties By Time



2014 Trespass Casualties By Month

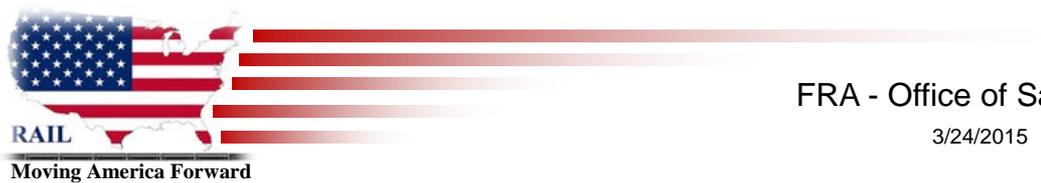


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Happens to anyone.

CHALLENGE



Moving America Forward

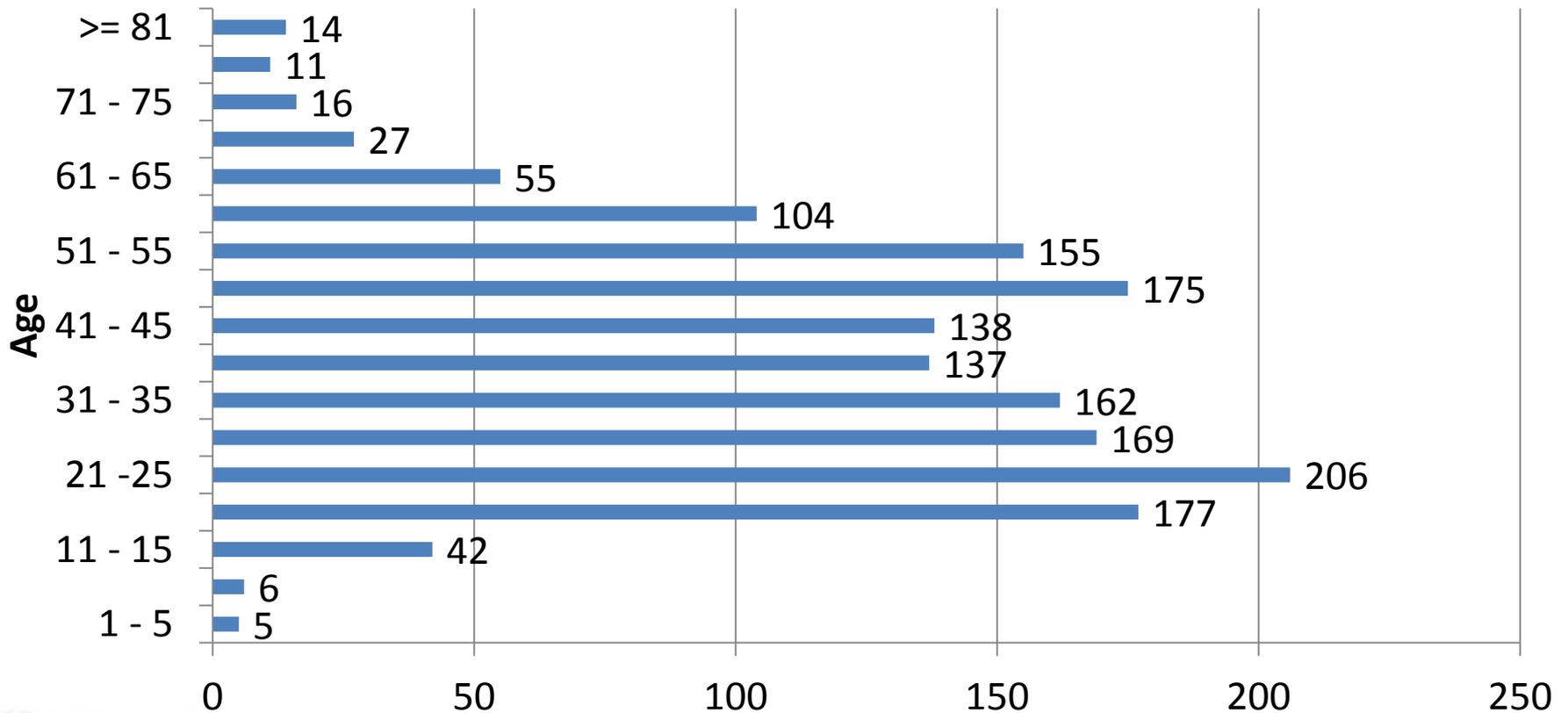
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**Federal Railroad
Administration**

Trespass Fatalities by Age 2011 – 2014



Trespass Prevention

- **Demographic Study**
- Much younger than national norms - average age at death of approximately 38.
- Railroad fatalities are highly likely to be male (82 percent of the time).



Trespass Prevention

- **Demographic Study**
- Whites and African Americans are overrepresented.
- Drugs and/or alcohol are associated with approximately half of all railroad fatalities.
- Just over one quarter (27.7 percent) of all deaths were considered suicides by the coroners.



There is not one answer to the trespassing question due to the large number of variables involved at a specific trespassing location.

CHALLENGE

Trespass Prevention Current Initiatives

- High-Security Fencing
 - investigated the current uses of high-security fencing to prevent right-of-way trespassing at several urban transit and commuter rail agencies across the United States.
- Law Enforcement Strategies
 - To compile a list of law enforcement strategies that are either found in practice or proposed for use and considered for effectiveness in the field.



Trespass Prevention

Current Initiatives



- Trespass Detection and Warning
 - conducting field research on trespass detection and deterrent technologies.
 - focus on assessing and demonstrating emerging technologies and pursuing technology transfer opportunities.
 - consist of designing, installing, operating, and evaluating a large-scale trespass detection and deterrent system

Community Trespass Prevention Program

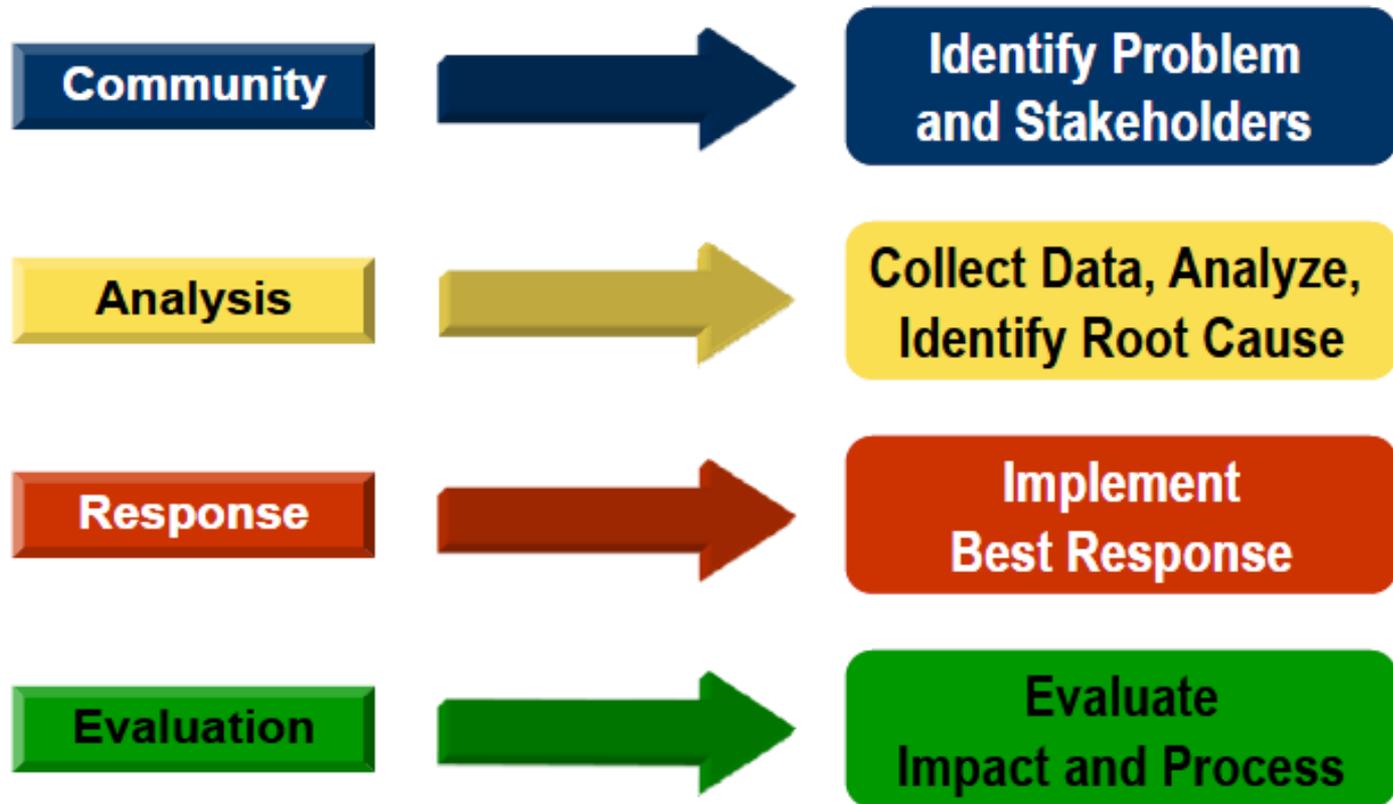
- local, state and national partnership
- goal is to create safer communities by fostering the development of long-term trespass prevention strategies through community problem solving partnerships.
- objective is to reduce the number of trespass related injuries and deaths nationwide.

Community Trespass Prevention Program

- Incorporates a problem-solving model designed to provide a step-by-step approach for dealing with trespassing issues in communities.



Community Trespass Prevention Program



Trespass Prevention Future Initiatives

- 3rd Right-of-Way Fatality and Trespass Prevention Workshop
 - place August 4–6, 2015, in Charlotte, North Carolina
 - to identify and share existing industry best practices and explore new trespass abatement and mitigation strategies that the rail industry can adopt to reduce the number of right-of-way and trespasser incidents and fatalities.



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Trespass & Suicide Fatalities 2013 & 2014

