



**Federal Railroad Administration
State Program Managers Meeting**

FRA's Safety and Health Program

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Alan C. Misiaszek, CIH



FRA Occupational Safety and Health Program

Program Overview

- The Occupational Safety and Health Act (OSHA) of 1970, Executive Order 12196, and 29 CFR 1910.1960 require the heads of Federal agencies to furnish employees places and conditions of employment that are free from job-related safety and health hazards.
- Each of these directives established a variety of responsibilities for employee safety and health.



FRA Occupational Safety and Health Program

Program Overview

- The primary tool is the establishment of an Occupational Safety and Health (OSH) program, within which specific program responsibilities are defined.
 - FRA's program has been established through FRA Order 3902.1B



FRA Occupational Safety and Health Program

Program Overview

- 29 CFR 1910.1960 requires the designation of an official with sufficient authority and responsibility to represent effectively the interest and support of the agency head in the management and administration of the agency occupational safety and health program.
- The FRA Designated Agency Safety and Health Official (DASHO) is the Associate Administrator for Safety/Chief Safety Officer – Bob Lauby



FRA Occupational Safety and Health Program

Program Overview

- In addition to the DASHO, the agency has a Manager of the OSH Program.
 - FRA has designated the Industrial Hygiene Division Staff Director as the OSH program Manager
 - The OSH program Manager has day-to-day responsibility for the operation of the program.



FRA Occupational Safety and Health Program

Program Overview

Supporting the program are:

- the Safety and Health Committee, and
- the Industrial Hygiene Division.



FRA Occupational Safety and Health Program

Program Overview

The Safety and Health Committee - **What is it?**

- Joint Labor-Management
 - Established by Memorandum of Agreement between FRA and AFGE.
- Develops recommendations for policies and compliance programs for the agency's OSH program.
- Recommendations are approved by the DASHO for implementation.



FRA Occupational Safety and Health Program

Program Overview

The Safety and Health Committee - **What does it do?**

- Discusses issues and develops policy statements (Cell Phones, Seat Belt Use)
- Develops/Approves OSHA Compliance Programs:
 - ❑ Blood Borne Pathogens
 - ❑ Confined Space Entry
 - ❑ Injury and Illness Reporting
 - ❑ Radiation Protection
 - ❑ Hearing Conservation



FRA Occupational Safety and Health Program

Program Overview

The Safety and Health Committee - **What does it do?**

- Produces OSH guidance – FRA Safety Policy, Procedures and Recommendations booklet “Safe at Work”
- Produces “Safety Tips”
- Evaluates requests for PPE.
- Evaluates safety/health hazard reports.
- Etc.



FRA Occupational Safety and Health Program

Program Overview

The Industrial Hygiene Division.

- Established 2006
 - HQ Staff Director – Alan Misiaszek
 - Field staff:
 - Mike Watson - DC
 - Supports HQ, R1 and R2.
 - Libby Hill – Raleigh, NC
 - Supports R3 and R5
 - Open – Chicago, IL
 - Supports R4 and R6
 - Open – Vancouver, WA
 - Supports R7 and R8



FRA Occupational Safety and Health Program

Program Overview

The Industrial Hygiene Division.

- Staff are safety and health professionals
 - Help implement and monitor compliance with OSH programs
 - Facilitate and present technical training for both safety and health programs and discipline specific issues
 - Example – Special Confined space entry training for MP&E steam boiler inspectors.
 - Technical experts in:
 - Ergonomics
 - Occupational and Environmental (Railroad) Noise
 - Occupational exposure evaluation and epidemiology
 - Personal Protective Equipment (PPE)
 - Workplace safety assessments and engineering controls



FRA Occupational Safety and Health Program

Program Overview – *State Inspectors*

- What about State inspectors who work along side of FRA (federal) employees?
 - FRA does not have an employment relationship with these people – they are not “our” employees, therefore we cannot provide them with the same level of safety and health protection.
 - FRA does not excluded them from training sessions given to the agency’s federal inspectors.



FRA Occupational Safety and Health Program

Program Overview - *State Inspectors*

- ❑ State agencies are responsible through the employer-employee relationship for safety and health protection.
- ❑ Some states have exempted themselves from OSHA compliance.
- ❑ If yours has not, you must comply with OSHA regulations.



FRA Occupational Safety and Health Program

Program Elements

- ❑ Blood Borne Pathogens
- ❑ Confined Space Entry
- ❑ Emergency Planning and Fire Protection
- ❑ Ergonomics
- ❑ Fall Protection
- ❑ Hazard Communication
- ❑ Injury and Illness Reporting
- ❑ Noise Exposure and Hearing Conservation
- ❑ Personal Protective Equipment
- ❑ Radiation Protection



FRA Occupational Safety and Health Program

Blood Borne Pathogens – Program Overview





Blood Borne Pathogens – Program Overview

- Blood Borne Pathogens are microorganisms and other entities that are present in **human** blood and can cause disease in **humans**. These pathogens include, but are not limited to;
 - hepatitis B virus (HBV), and
 - human immuno-deficiency virus (HIV).

 - FRA has determined that our Inspectors work where there is a potential for exposure to blood, or materials contaminated with blood.
-



Blood Borne Pathogens – Program Overview

- The basic requirements of the OSHA regulation are covered by development of an Exposure Control Plan (ECP) that includes:
 - ❑ Exposure determination
 - ❑ Schedule and methods of implementation for methods of compliance including:
 - ❑ Requirement of Universal Precautions
 - ❑ Engineering controls and Work Practice Controls (including mention of practices not done).
 - ❑ Selection and use of Personal Protective Equipment



FRA Occupational Safety and Health Program

Blood Borne Pathogens – Program Overview

- Protective measures should be used whenever exposures are **possible**, including:
 - Use of Universal Precautions (**always assume the materials are infectious**).
 - Use of proper PPE (gloves, eye protection and other barrier protection such as Tyvek® suits, etc.).
 - Getting the proper training on protective measures.
 - Having a medical evaluation program should exposures occur.



FRA Occupational Safety and Health Program

Questions on Blood Borne Pathogens?



FRA Occupational Safety and Health Program

- Program Elements
 - ❑ Blood Borne Pathogens
 - ❑ **Confined Space Entry**
 - ❑ **Emergency Planning and Fire Protection**
 - ❑ **Ergonomics**
 - ❑ **Fall Protection**
 - ❑ **Hazard Communication**
 - ❑ **Lock Out – Tag Out**
 - ❑ **Noise Exposure and Hearing Conservation**
 - ❑ **Personal Protective Equipment**
 - ❑ **Radiation Protection**



FRA Occupational Safety and Health Program

Confined Space Entry – Program Overview

- The purpose of the FRA policy and procedure is to define the circumstances under which FRA employees can enter confined spaces safely.
- The policy does not allow FRA personnel to enter any permit required confined space.
 - Entry into other classes of confined spaces shall be done in accordance with the OSHA requirements and this policy and procedure.



Confined Space Entry – Program Overview

An entry into a confined space means:

- **Breaking the plane of the opening!**
 - You do not have to have your entire body in a confined space for it to be considered an entry!
 - **People have perished by just having their head inside a space that lacked enough oxygen to sustain life.**



FRA Occupational Safety and Health Program

Confined Space Entry – Program Overview

What is a **Confined Space**?

It is a space that:

- ❑ **Is** large enough and so configured that an employee can bodily enter and perform assigned work;
 - ❑ **Has** limited or restricted means for entry or exit; and.
 - ❑ **Is Not** designed for continuous human occupancy.
-



Confined Space Entry – Program Overview

What is a **Permit-Required Confined Space**?

- **Contains** or has the potential to contain a hazardous atmosphere;
- **Contains** a material that has the potential for engulfing an entrant;
- **Has** an internal configuration such that an entrant could become trapped or asphyxiated; or
- **Contains** any other serious safety or health hazard.

DO NOT ENTER!



Confined Space Entry – Program Overview

What is an **Alternate Procedure Confined Space?**

This class of confined space may be entered without a permit IF:

- Only Atmospheric hazards are present, and
- Ventilation Control has been established –
 - What do the meter readings indicate?
 - **Gases within/below limits – Yes - OK to Enter**
 - **No ---- NO GO – DO NOT ENTER**



Confined Space Entry – Program Overview

What is a **Non-Permit-Required Confined Space**?

This class of Confined Space:

- **Does not** contain or, with respect to airborne hazards, have the potential to contain any hazard capable of causing death or serious physical harm.
- **May** be entered without restriction when they are tested and found to be free of recognized serious safety hazards (those that can cause serious illness, injury, or death), free of airborne hazards, and have sufficient oxygen.
- In other words it contains
 - ❑ No Serious Safety Hazards and
 - ❑ No Atmosphere Hazards
 - **OK to Enter**



FRA Occupational Safety and Health Program

Questions on Confined Space Entry?



FRA Occupational Safety and Health Program

What we know – the Statistics

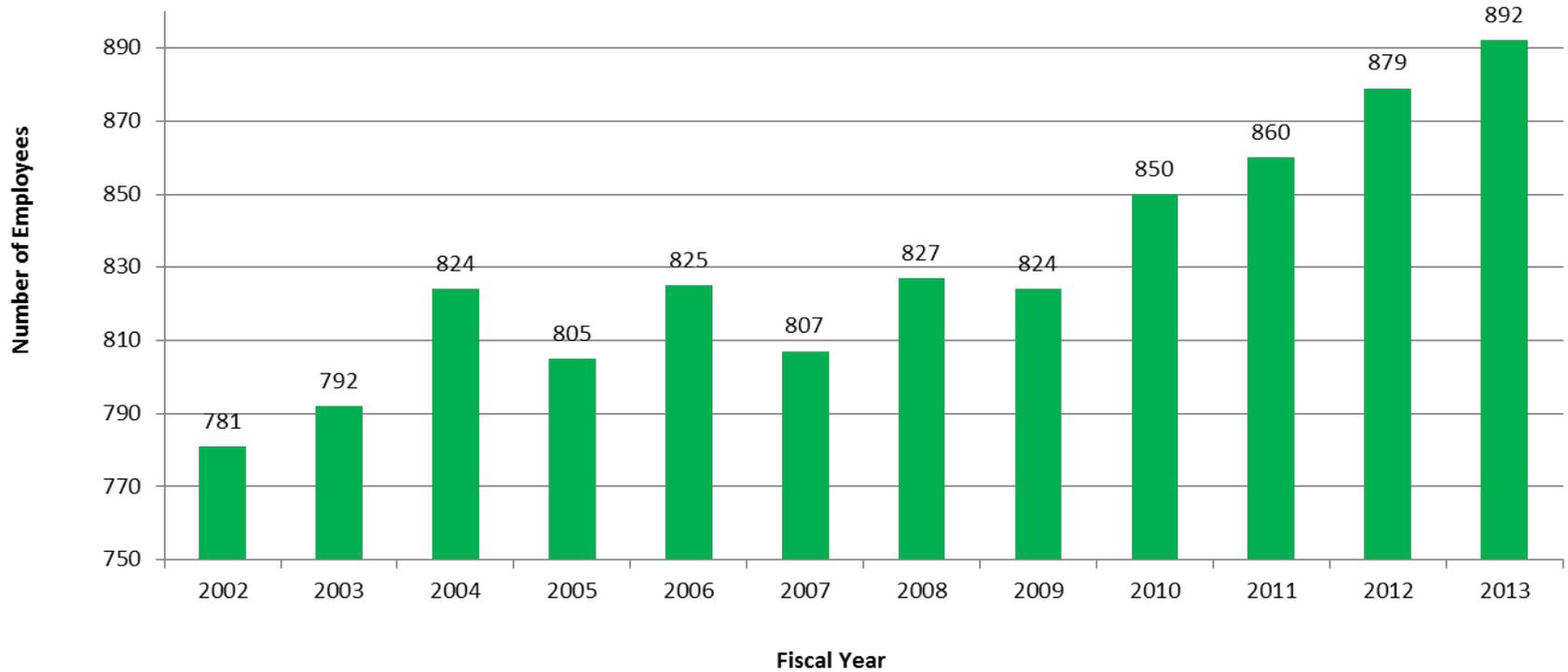
- **Year to Year Performance.**
- **What Happens and Where?**



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Year to Year Performance.

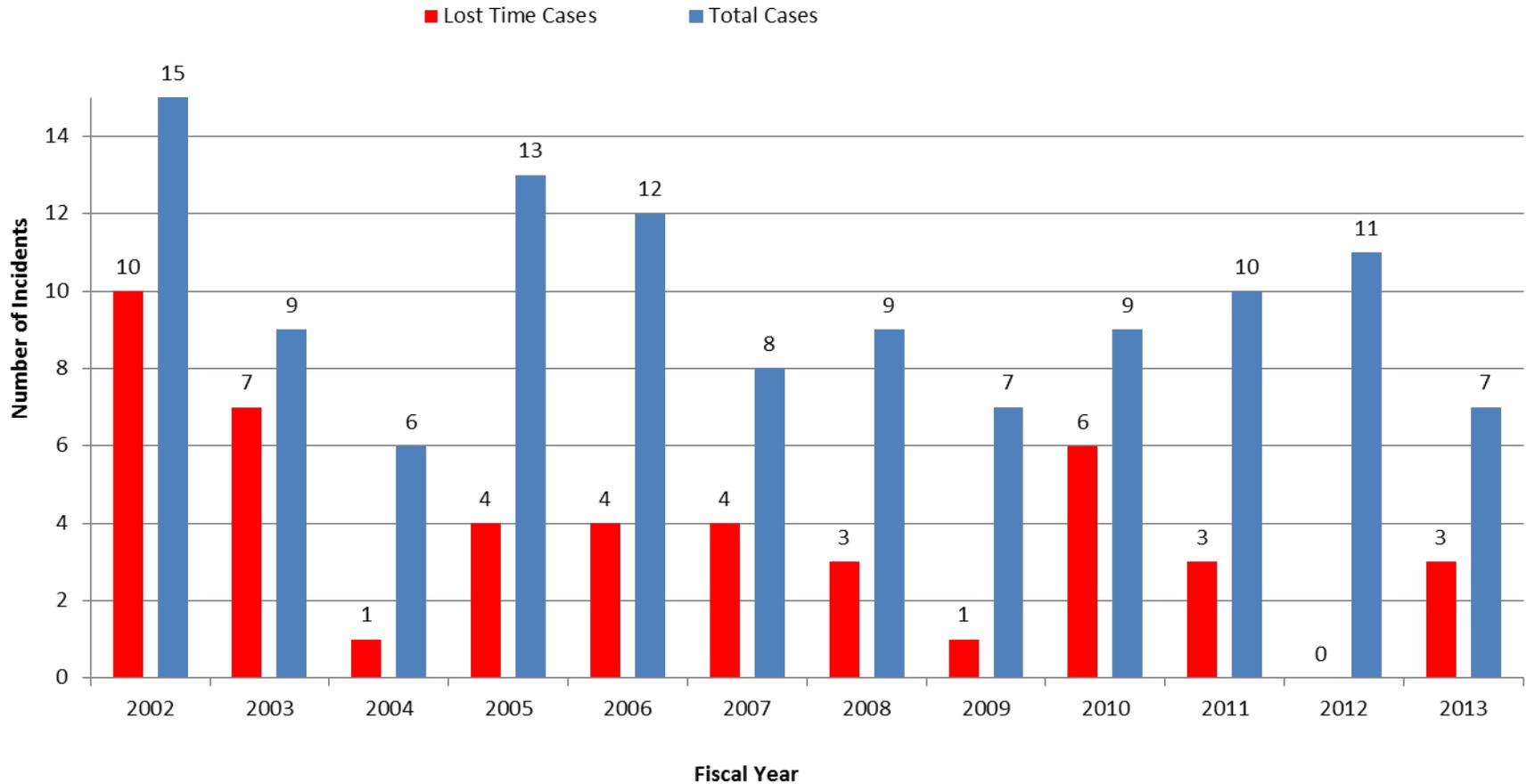
Employee Population





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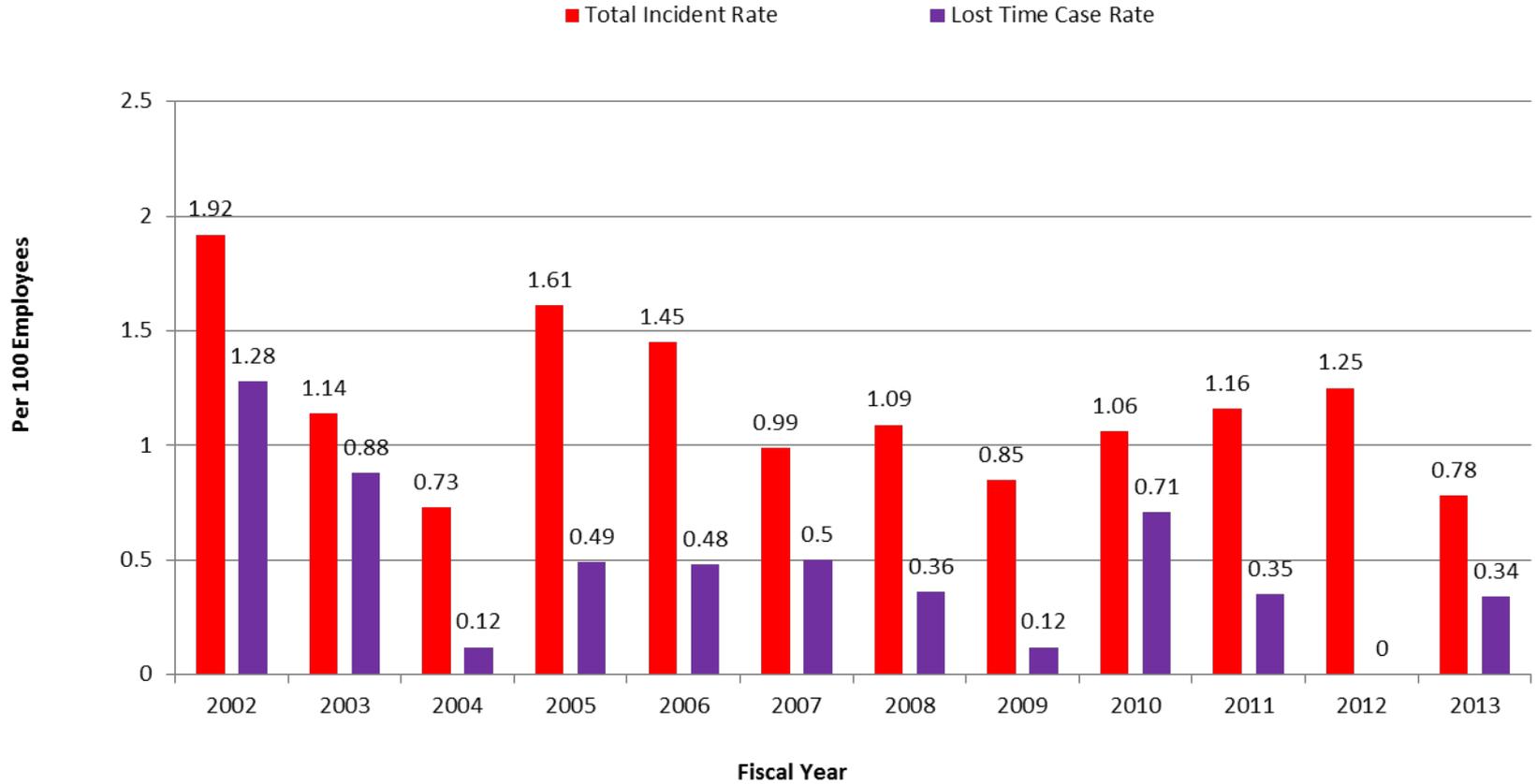
Year to Year Performance.





FRA Occupational Safety and Health Program

Year to Year Performance.

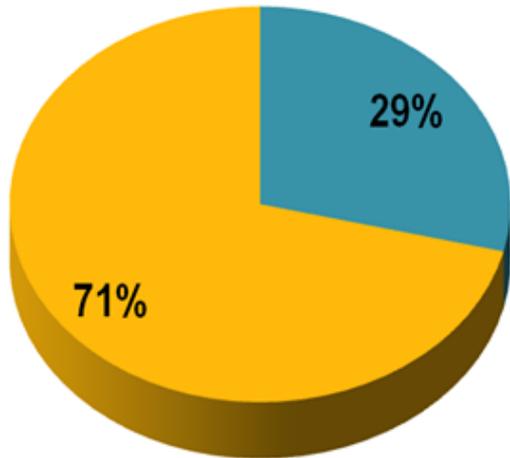




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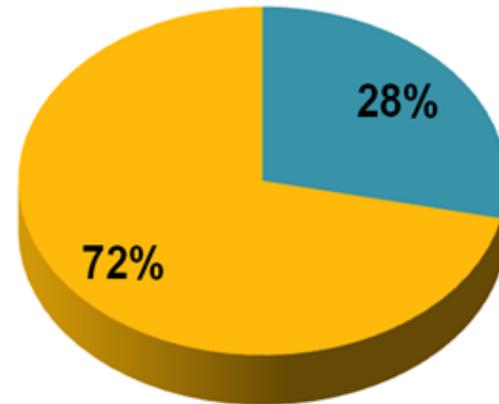
What Happens and Where?

Who's Getting Injured



- Administrative/Prof. Staff
- Field Inspectors/Specialists/Mgmt

How our population is divided



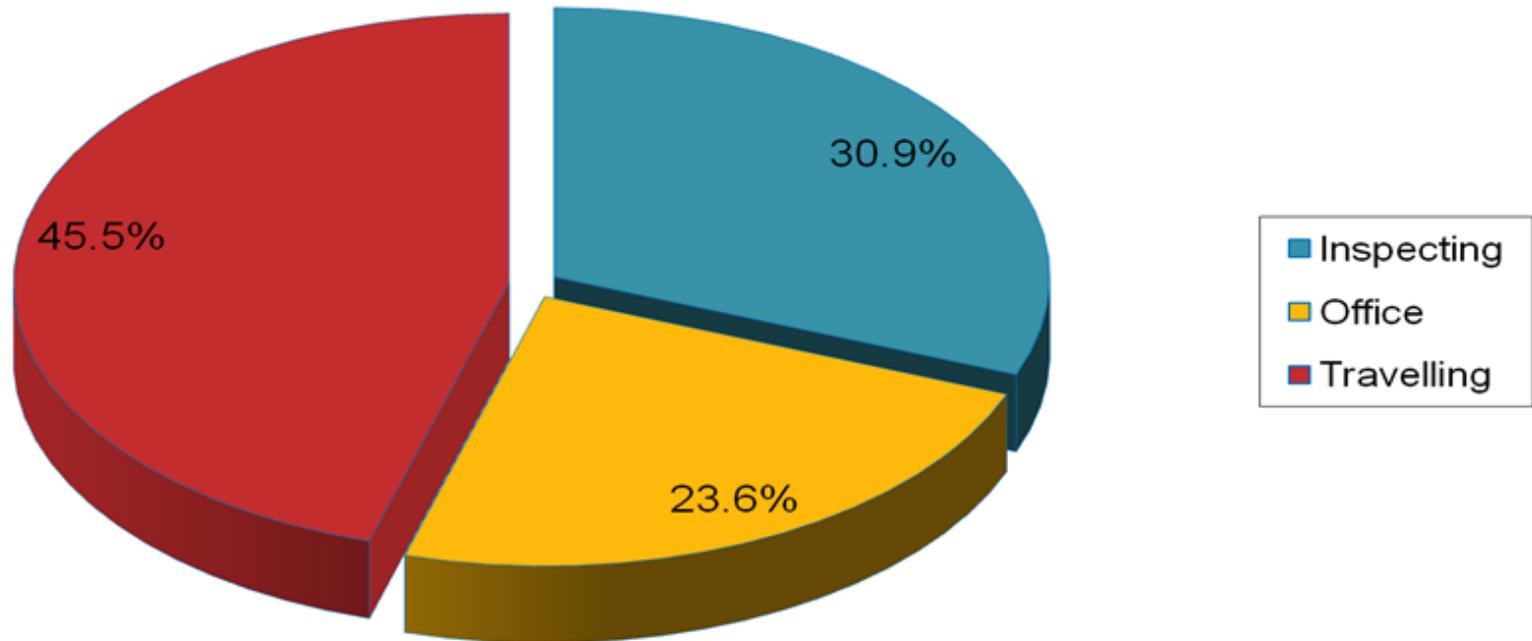
- Administrative/Prof. Staff
- Field Inspectors/Specialists/Mgmt



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What Happens and Where?

Where Injuries Happen

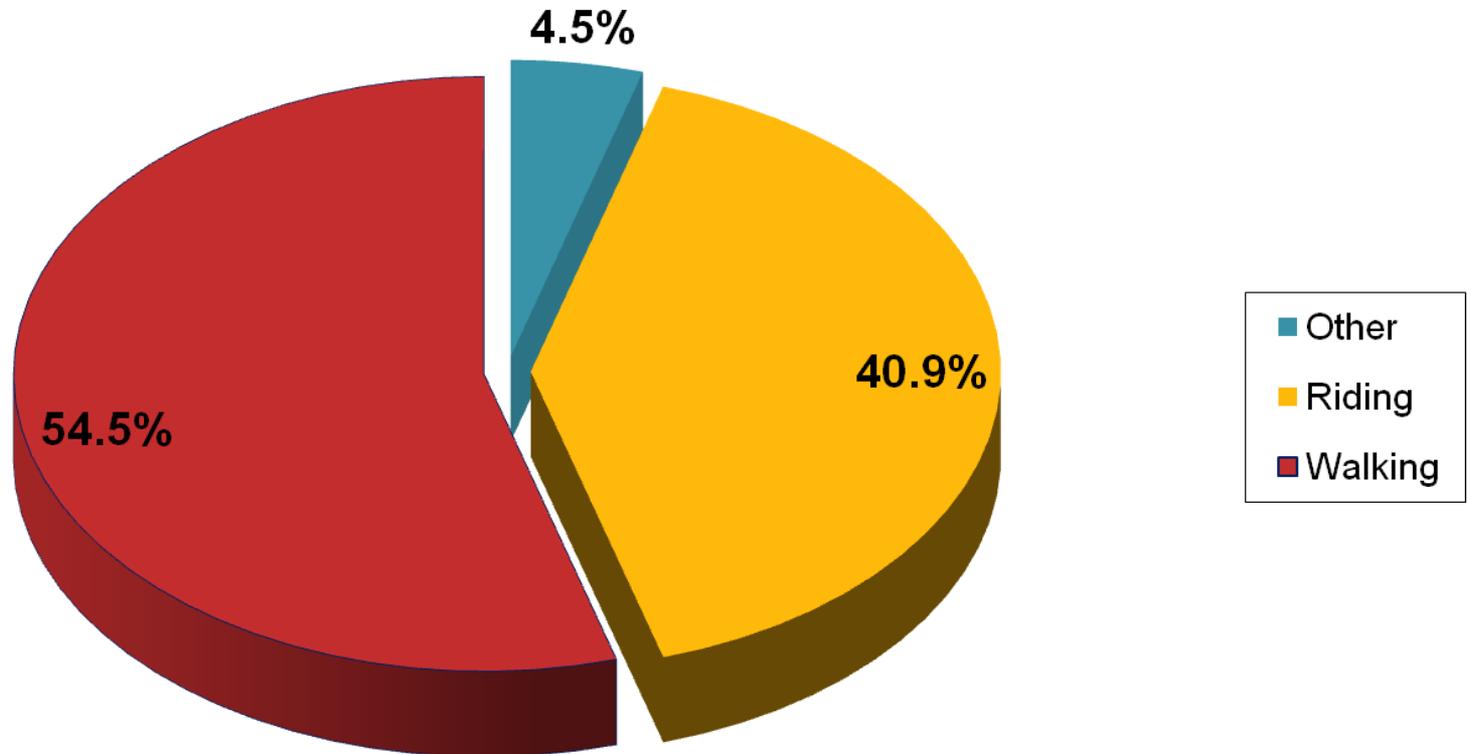




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What Happens and Where?

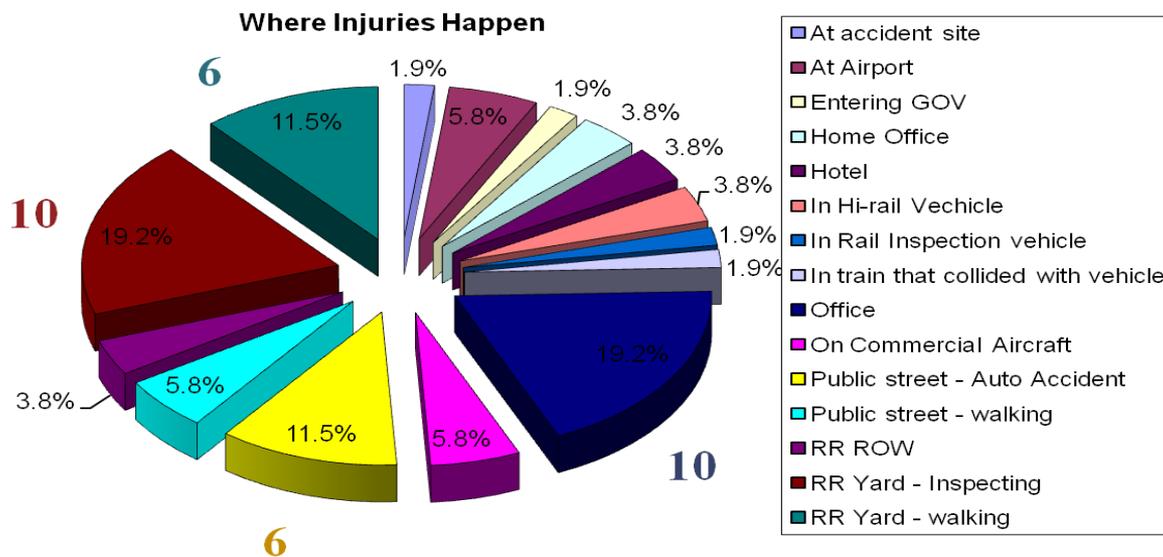
Where Travelling Injuries Happen





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What Happens and Where?

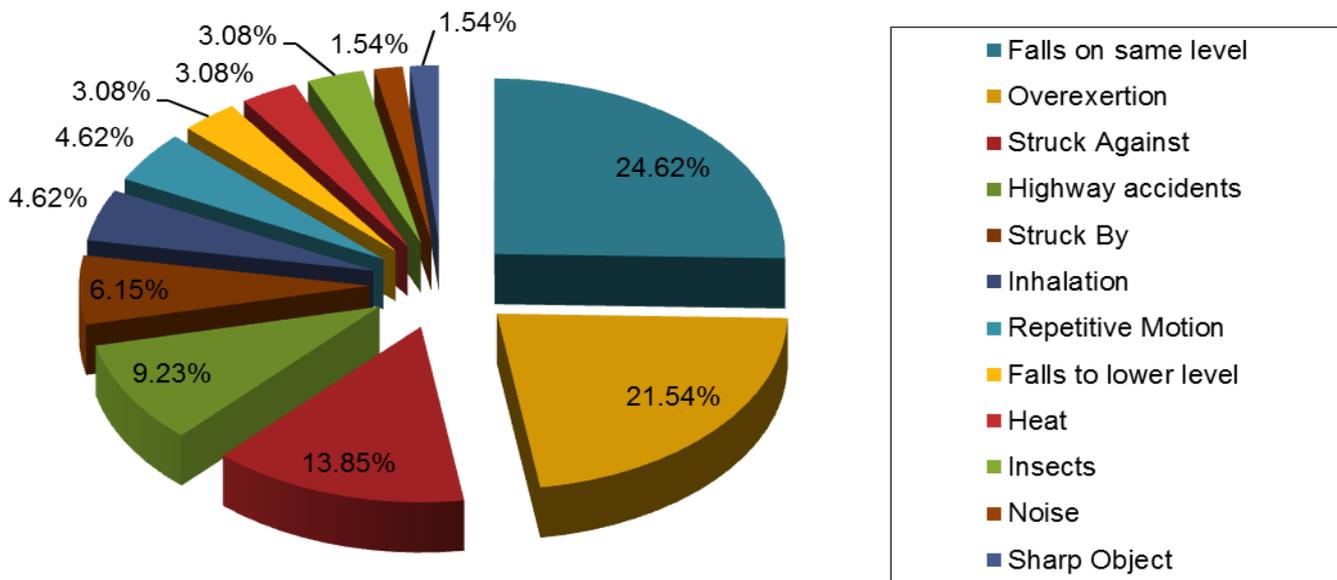




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What Happens and Where?

How Injuries Happen

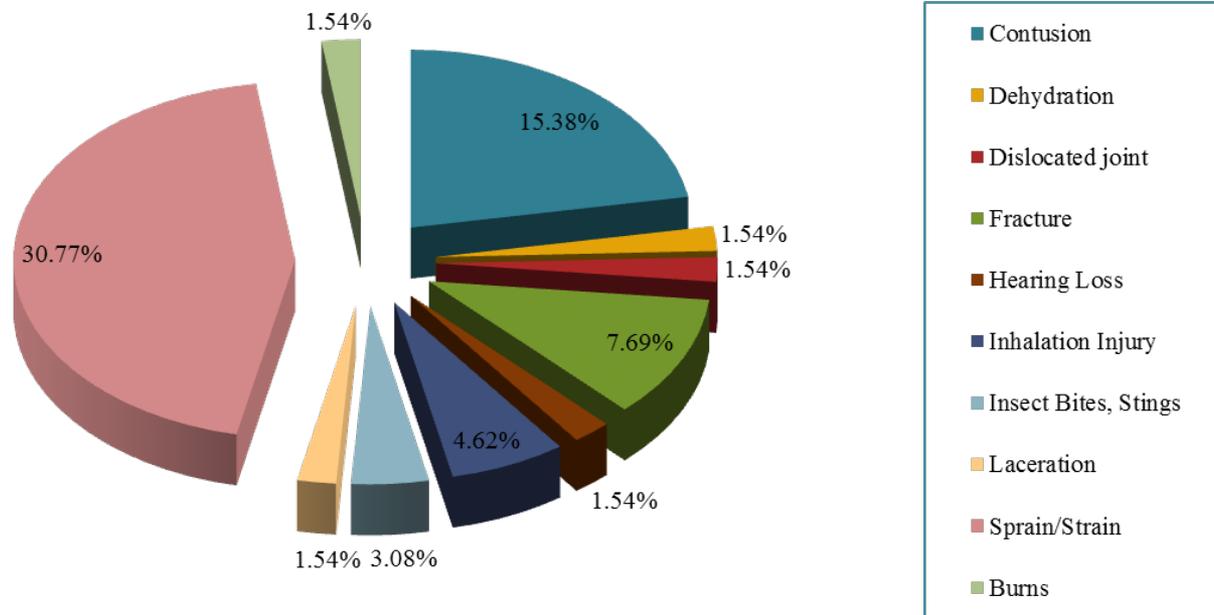




FRA Occupational Safety and Health Program

What Happens and Where?

What Injuries Happen





Some final thoughts



*Understand
and Limit
Risk
(common
sense
wouldn't
hurt either)*





*Be smart
about
technology*





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*Pay
attention to
your
environment
And know
the limits of
your tools*





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Pay attention to limits in your environment





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*Follow
directions
about your
environment*



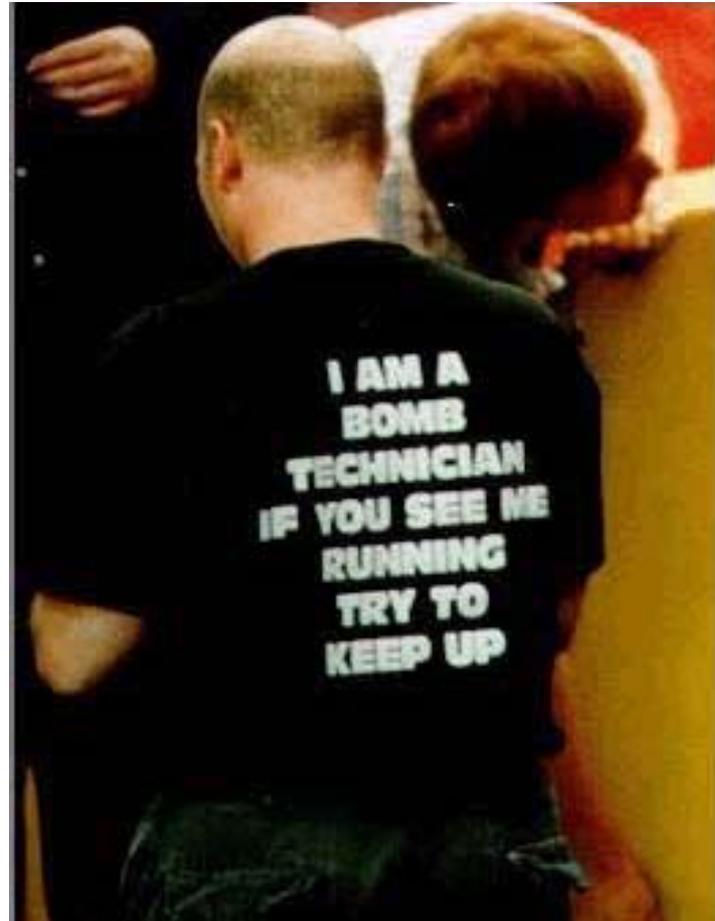


Use your PPE





*Listen to your
co-workers.
They can provide
valuable guidance
in safety!*





*Thank You
for your attention ...*

Stay Safe and Be Safe!