

SAFETY IN PRACTICE: APPLYING BEHAVIOR- BASED SAFETY TO SERIOUS INJURY AND FATALITY PREVENTION



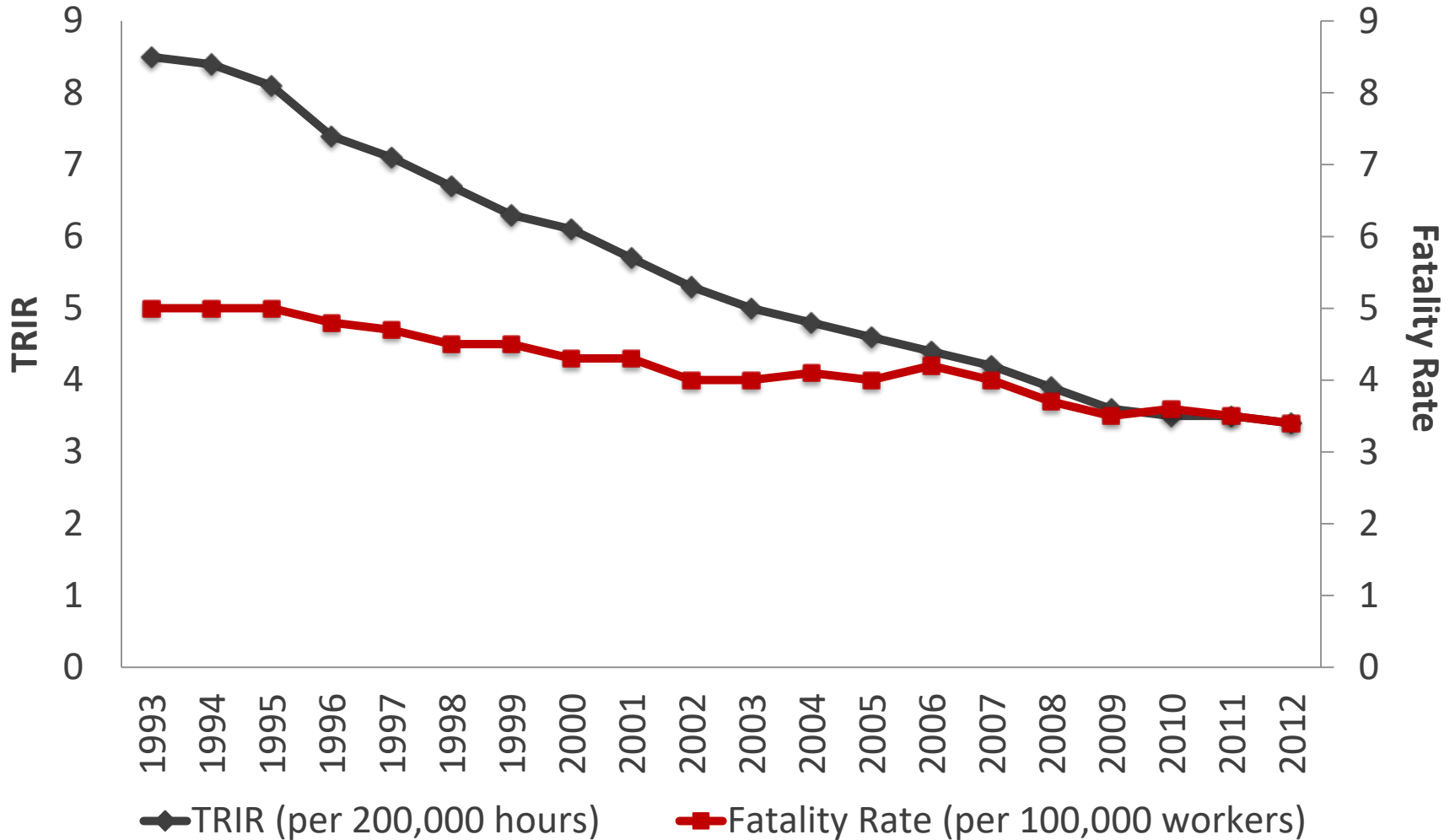
(David Christopher Musgrave)
DEKRA Insight.

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Overview

- Learn how the Dekra Insight SIF Interview and Observation Process can pair with and enhance the BBS processes towards a targeted focus on Serious Injury & Fatality (SIF) prevention.
- Four key elements to be introduced include:
 - Defining SIF-specific Protection Checklists
 - Changing your observation strategy
 - Developing your observers for enhanced inquiry and interviewing skills
 - Establishing systems-oriented action planning

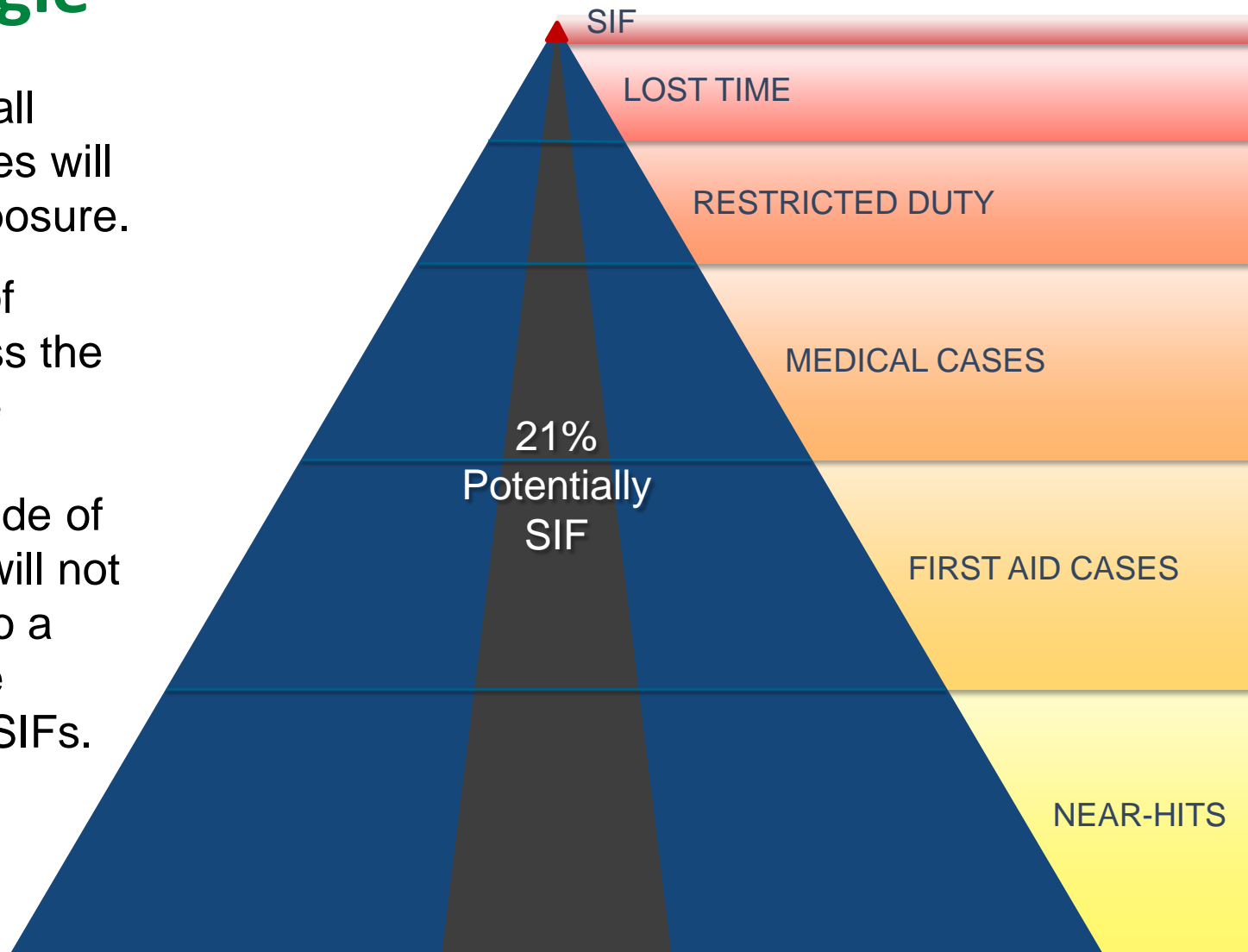
U.S.A. Incident & Fatality Trends



SIF Triangle

A sub-set of all reported cases will have SIF exposure.

A reduction of injuries across the bottom of the triangle and working outside of SIF triangle will not correspond to a proportionate reduction of SIFs.



The Situation

- Over the last several years, incident rates across industry have steadily declined, however fatalities have not.
- One challenge is that the factors that contribute to SIFs are not easily detectable and require a unique combination of observation and interview skills beyond a typical behavior-based safety observation.
- The SIF Interview/Observation process is an enhancement to existing BBS systems designed to detect exposures to serious and fatal injury events while continuing to work on overall injury reduction.

Our Research

- A BST study of 55 SIF/SIF-Potential cases has confirmed that the SIF precursors, pre-conditions, and exposures that contributed to the occurrence of these incidents would be discoverable through discussions, interviews, and/or observations in 87% of the cases.
 - Example: Work at Height – scaffold, tied off, harness / lanyard

BBS Observation

vs.

SIF Interview

4.0 Procedures	Safe	At Risk
4.1 Lock Out/Tag Out		
4.2 Confined Space Entry		
4.3 Hot Work		
4.4 Working at Height	X	
4.5 Communication of Hazards		

4.4 Protection from Falls >= 4 ft.	Protected	Exposed
1. 5000 lb rated anchor point		X
2. Harness inspected & good condition	X	
3. PFAS set to prevent contact	X	
4. Body stays within rails (no leaning)	X	
5. Scaffold erected by qualified person		X

How the SIF Interview/Observation Process Works

System Elements

Assess and Plan

- BBS system
- SIF Exposure Assessment
- Id qualified Observers
- Id SIF Exposure Team
- Identify goals and objectives

Educate and Communicate

- Review assessment findings
- Develop SIF Protection Checklists
- Plan implementation

Implementation

- Teach qualified observers to conduct interviews
- Coach interviewers
- Define tracking and sustain

Review and Sustain

- SIF prevention systems
- Results
- Report out

Objectives

Enhance BBS system to detect and uncover SIF exposures

Develop Observers to be SIF Interviewers

Improve SIF prevention and mitigation systems

Client Outcomes

SIF exposure reduction

Improved relationships

System improvements that impact SIF exposure

Framework for solving problems collaboratively

Measures

Culture

Pause work

LSSR Verification

SIF exposures mitigated

Interviewer engagement

Management System Integrity

FOUR KEY ELEMENTS

- Defining SIF-specific Protection Checklists
- Changing your observation strategy
- Developing your observers for enhanced inquiry and interviewing skills
- Establishing systems-oriented action planning

QUESTIONS / COMMENTS

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