

# Implementation of National Academies' Recommendations: *Traumatic Injury Program Progress Report – 2014*

Dawn Castillo

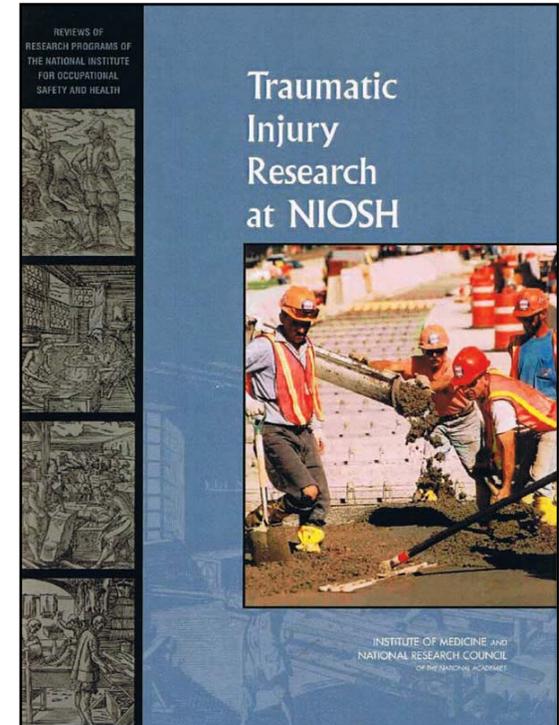
Manager, NIOSH Traumatic Injury Program

NIOSH Board of Scientific Counselors Meeting

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# Five Tracked Recommendations

1. Continue setting goals that are within the TI Research Program's scope and resources
2. Develop an explicit plan for each subgoal
3. Work with other federal agencies that support injury prevention and control research
6. Ensure collaboration among NIOSH-funded researchers
9. Research prevention strategies for traumatic injuries in a changing workplace



# Presentation Overview

- Strategic goal revision process
- Program overview by subgoals, highlighting illustrative achievements and approaches
  - Work with other federal agencies
  - Collaboration among NIOSH-funded researchers
  - Changing workplace
- Future plans

# Revision of Program Strategic Goals

- Six subgoal-specific workgroups
- Approach consistent with Nominal Group Planning technique
- Charged with prioritizing existing strategy, retiring completed goals, identifying new goals
- Performance measures added
- 16 comments in response to docket
- Will guide intramural and extramural program 2014 to 2019

## National Institute for Occupational Safety and Health (NIOSH) Traumatic Injury Research and Prevention Program and Strategic Goals

May 1, 2014

### NIOSH Traumatic Injury Research and Prevention Program

#### *Mission Statement*

The mission of the NIOSH Traumatic Injury Research and Prevention Program (hereafter referred to as the TI Program) is to reduce the incidence of traumatic occupational injuries and deaths through a focused program of surveillance, research, and prevention. The program strives to fulfill its mission through the following:

- **High Quality Research:** The NIOSH TI Program applies the public health approach to identifying and addressing the most compelling traumatic injury risks facing workers across all industry sectors. *Injury and fatality surveillance* identifies, characterizes, prioritizes, and tracks injuries and fatalities; *case investigations and analytic epidemiologic, social science, and engineering research* discover and address risks and causal factors; *protective technology research* identifies, develops, and assesses prevention options; and *evaluation research* determines program and intervention efficacy.
- **Practical Solutions:** The NIOSH TI Program is committed to the development of practical solutions to the complex problems that cause traumatic injuries and deaths among workers.
- **Partnerships:** Collaborative partnership efforts with labor, industry, government, and other stakeholders are essential for the NIOSH TI Program to be relevant and achieve impact for reducing risks, injuries, and deaths among workers. Fostering these partnerships is a cornerstone of the NIOSH TI Program.
- **Research to Practice (r2p):** The NIOSH TI Program strives to conduct research that is oriented to produce effective, practical prevention measures that can be implemented in workplaces. Every intramural research project within the NIOSH TI Program includes a strategy to promote the transfer and translation of research findings into effective, feasible prevention practices, products, and technologies that can be adopted in the workplace.

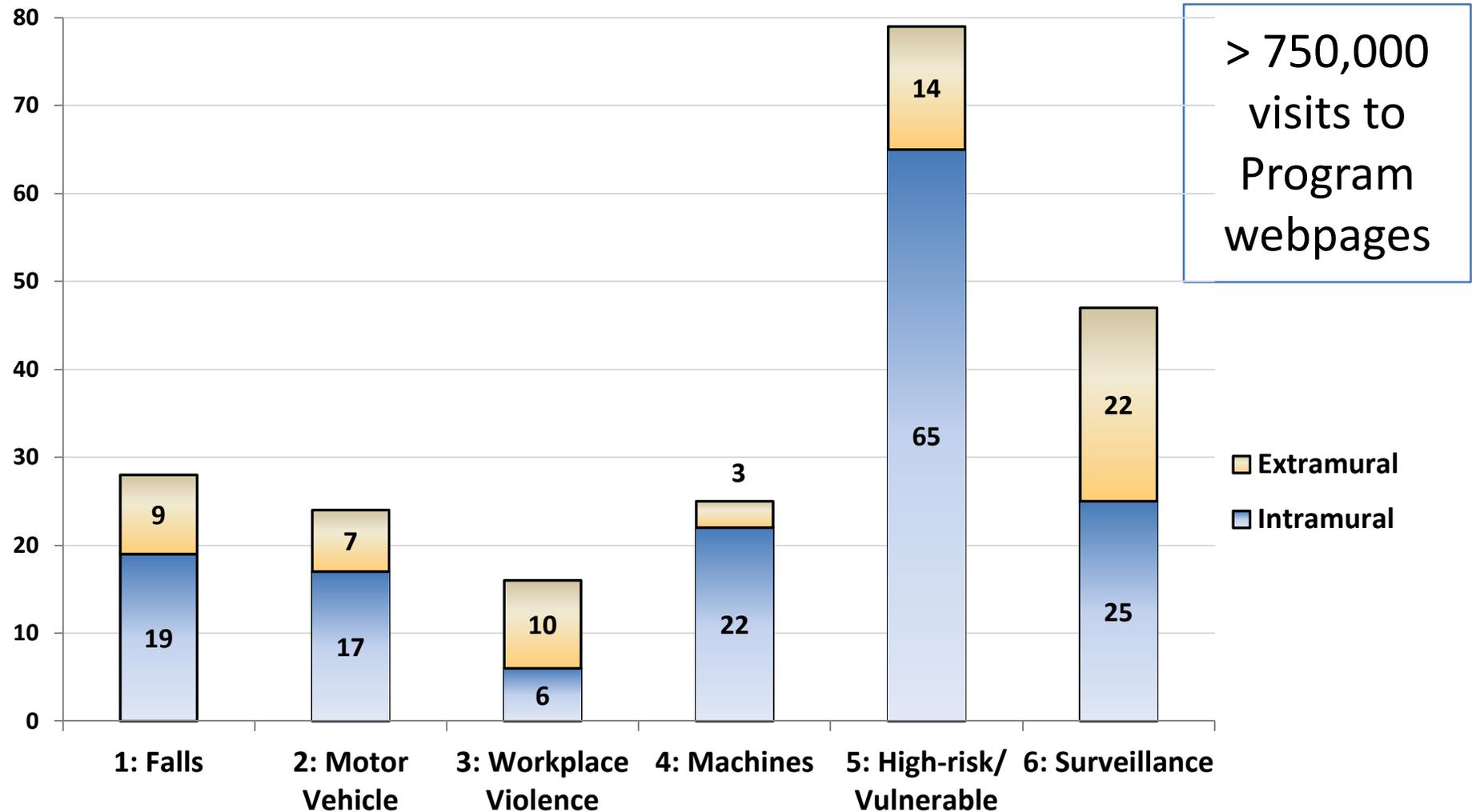
#### *Program Background*

*Traumatic occupational injury* is defined as any damage inflicted to the body by energy transfer during work with a short duration between exposure and the health event. The TI Program focuses on traumatic injuries; injuries associated with repetitive or cumulative trauma are addressed by the NIOSH Musculoskeletal Disorders Program.

Traumatic injuries at work remain a leading cause of death and disability among U.S. workers. A recent economic analysis suggested that traumatic occupational deaths and injuries cost the nation \$192 billion

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# Number of FY2013 Intramural and Extramural Projects by Strategic Subgoals



# SG 1: Reduce Fall Injuries in the Workplace



~ 1 million workers touched by Construction fall campaign stand-down

> 22,000 downloads of ladder safety app

## Other federal agencies

- OSHA

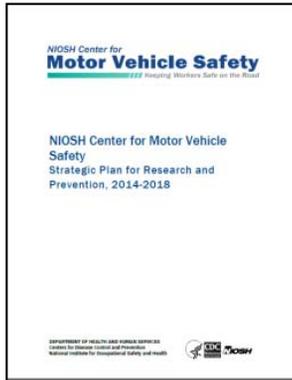
## NIOSH-funded researchers

- Construction Program
- CPWR
- State surveillance programs

## Changing workplace

- Use of smart phone technology

# SG 2: Reduce Occupational Injuries and Deaths due to Motor Vehicle Incidents and Crashes



Center for Motor Vehicle Safety Strategic Plan  
Ambulance crashworthiness standards and safer ambulances

## Other federal agencies

- CDC OD
- NCIPC
- NHTSA
- FMCSA
- DHS
- NIST
- NIJ

## NIOSH-funded researchers

- TWU
- Oil and Gas
- Public Safety
- Global Collaborations
- University of Michigan

## Changing workplace

- Anthropometric data
- Autonomous vehicles and connected vehicle technologies
- Evaluations of workplace policies and engineering controls

# SG 3: Reduce Occupational Injuries and Deaths Due to Workplace Violence



> 6,000 completed online violence prevention course through July 2014

> 47,000 visits to violence webpages: Jan 2013 to Jun 2014

## Other federal agencies

- NCIPC
- OSHA
- VHA
- BJS
- BLS
- FBI

## NIOSH-funded researchers

- SBIR grantee
- Extramural researchers
- HCSA
- WRT
- Services
- TWU

## Changing workplace

- Online course
- Bullying and cyberbullying
- Evaluations of city ordinances and state regulations

# SG 4: Reduce Occupational Injuries and Deaths due to Machines and Industrial Vehicles



> 35,000 visits to FACE webpages: between Jan 2013 and Jun 2014; machine-related investigations are a longstanding FACE priority

## Other federal agencies

- OSHA

## NIOSH-funded researchers

- FACE grantees
- CPWR
- Construction
- Manufacturing
- AFF
- PtD

## Changing workplace

- FACE investigations ID emerging issues
- Evaluations of engineering controls

# SG 5: Reduce Occupational Injuries and Deaths among High-Risk and *Vulnerable Worker Groups*



67 % decline in rate of childhood agricultural injuries per farm: 1998 to 2012

Beginning to address temporary workers

## Other federal agencies

- NCIPC
- USDA
- OSHA
- Wage & Hour
- Education
- HRSA

## NIOSH-funded researchers

- National Children's Center
- FACE programs
- Occupational Health Disparities

## Changing workplace

- Guidance to protect temporary workers
- FACE investigations ID emerging issues

# SG 6: Increase Use of Surveillance Data to Guide Occupational Traumatic Injury Research and Prevention Efforts



Progress toward including work-related variables in electronic health records  
 > 3,500 visits to new agricultural surveillance data webpages: Jan 2013 to Jun 2014

## Other federal agencies

- BLS
- CPSC
- USDA
- NHTSA
- BJS
- NCIPC

## NIOSH-funded researchers

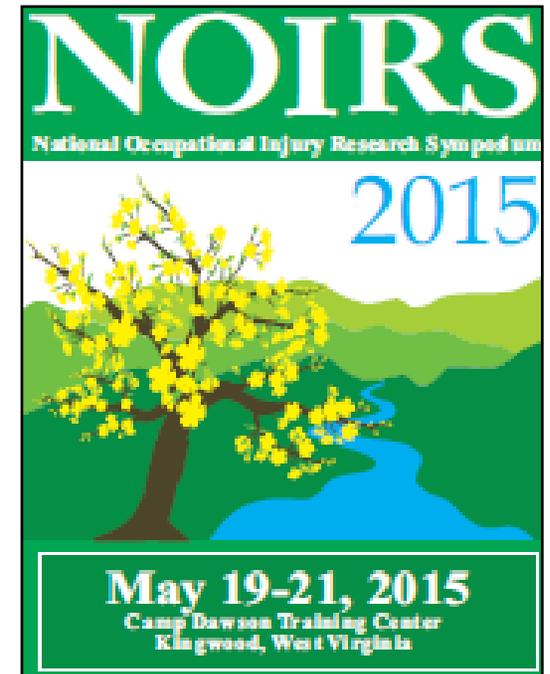
- State surveillance grantees
- Extramural researchers
- Surveillance
- AFF

## Changing workplace

- Surveillance helps to ID emerging issues

# Future Plans

- The TI Program Steering Committee will begin work on the 5-year Strategic Action Plan
- 6<sup>th</sup> NOIRS will be held May 19 to 21, 2015
- Next revisions to Program Strategic Goals will begin in 2018 and cover 2020 to 2025



# Thank you for your attention

Questions?

Suggestions?

Comments?

**Dawn Castillo**

**[DCastillo@cdc.gov](mailto:DCastillo@cdc.gov)**

**304-285-6012**