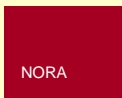




Transportation, Warehousing, and Utilities Sector: NORA Summary Report



January 2009

National Occupational Research Agenda
Spearheaded by CDC-NIOSH

Transportation: NAICS* codes 48 and 49 (part)

- 481--- Air transportation
- 482--- Rail transportation
- 483--- Water transportation
- 484--- Truck transportation
- 485--- Transit and ground passenger transportation
- 486--- Pipeline transportation
- 487--- Scenic and sightseeing transportation
- 488--- Support activities for transportation
- 491--- Postal service
- 492--- Couriers and messengers

Est. 5.9 million workers
in 2006 (CPS)

* DOL's North American Industry Classification System

Warehousing (NAICS code 49 [part]) and Utilities (NAICS code 22)

- **493---Warehousing & storage:**

- General
- Refrigerated products
- Farm products

Est. 349,000 workers
(CPS) in 2006

- **221--- Utilities:**

- Electric power generation
- Natural gas distribution
- Water, sewage, & other systems

Est. 1.2 million workers
in 2006 (CPS)

Non-fatal injuries involving days away from work within Transportation, Warehousing & Utilities (TWU) Sector

	Non-fatal injury rates (per 100 workers)	Non-fatal injury numbers
Private industry	1.3	1,183,500
Air transport	5.4	20,800
Couriers and messengers	3.5	15,200
Truck transport	2.7	40,100

Source: Annual Survey of Occupational Injuries and Illnesses, BLS, 2006

Fatal injuries within the TWU Sector

	Fatal injury rates (per 100,000 workers)	Fatal injury numbers
All workers, all industries	3.9	5,703
Truck transport	26.4	537
Water transport	23.5	16
Taxi/limousine	21.7	44
Air transport	9.5	51
Utilities	4.4	52

Source: Census of Fatal Occupational Injuries, BLS, 2006

TWU Sector Council representation in NORA

- Federal agencies: Department of Transportation, NIOSH, National Transportation Safety Board, U.S. Army Center for Health Promotion and Preventive Medicine
- State agency: Washington – Sound Transit
- Non-profit: American Transportation Research Institute, Electric Power Research Institute
- Academia: University of Utah, Wayne State University
- Union: Association of Flight Attendants
- Industry: Southern CA Edison
- Other: ORC Worldwide, consultants

NORA's TWU Sector Council activities

- Face-to-face meetings held November 2006, December 2007, March 2008, July 2008, March 2009
- Established priorities and strategic areas
- Divided into 4 workgroups based on strategic areas
- Drafted strategic, intermediate, and activity goals
- Made TWU draft goals available for public comments
- Working on goal revisions in response to comments
- Next face-to-face meeting scheduled March 3-4, 2009
- Beginning to draft implementation plan

TWU Strategic areas and priorities

Strategic areas (4):

- Traumatic injuries
- Musculoskeletal disorders
- Worker health and wellness
- Chemical, biological, and physical exposures

Additional priorities:

- Fatigue and human performance
- Economics

TWU Strategic Goal #1

Reduce lost-workday occupational traumatic injury and fatality rates in TWU sector.

- Prioritized by industry sub-sectors
- Example goal content area:
 1. Highway motor vehicle crashes in truck transportation
 2. Aircraft crashes
 3. Electrical and chemical burns among electrical utility workers
 4. Injuries due to switching activities among railroad operating employees
 5. Physical violence among taxi drivers

TWU Strategic Goal #2

Reduce incidence and severity of work-related musculoskeletal disorders among workers in TWU sector.

- Conduct surveillance
- Quantify risk factors
- Design, implement, and evaluate interventions
- Evaluate cost-benefit of interventions

TWU Strategic Goal #3

Improve health & reduce premature mortality among TWU workers through workplace programs & practices to:

- (1) enable workers to engage in healthy behaviors,
 - (2) reduce work-related physiological & psychological stressors,
 - (3) improve healthcare utilization.
- Establish prevalence of health risk factors and work-related illnesses
 - Reduce obesity
 - Reduce incidence of cardiovascular disease
 - Reduce workplace psychological stressors
 - Increase appropriate utilization of healthcare

TWU Strategic Goal #4

Identify, evaluate, reduce chemical, biological, and physical occupational hazards and exposures that results in a reduction of occupational injuries, illnesses, and fatalities in TWU sector.

- Chemical includes fuel, oil, carbon monoxide, pesticides
- Biological includes infectious agents and allergens
- Physical includes noise, vibration, heat/cold stress, and cosmic and solar radiation

Next strategic planning steps for the TWU sector



- Finalize goals within the NORA strategic plan
- Identify partners willing to assume responsibility for individual goals or contribute to goals in some manner
- Form a comprehensive implementation plan addressing both short and long-term plans for making progress towards meeting established goals

NORA's TWU strategic plan

The TWU draft strategic plan has been posted on the NORA website.

To review the plan go to:

<http://www.cdc.gov/NIOSH/NORA/>



Additional TWU information

- NORA TWU sector homepage:

<http://www.cdc.gov/NIOSH/NORA/councils/twu/default.html>

- NIOSH TWU program homepage:

<http://www.cdc.gov/niosh/programs/twu/>

Would you like to help?

If you are interested in contributing to the continued development of the TWU strategic plan, please contact a TWU council leader listed below:

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