#### Integrating Safety, Health and Well-being

#### **Exploring NIOSH Total Worker Health®**

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# Total Worker Health®

# **Keep Workers Safe**



**Invest More in Worker Health** 

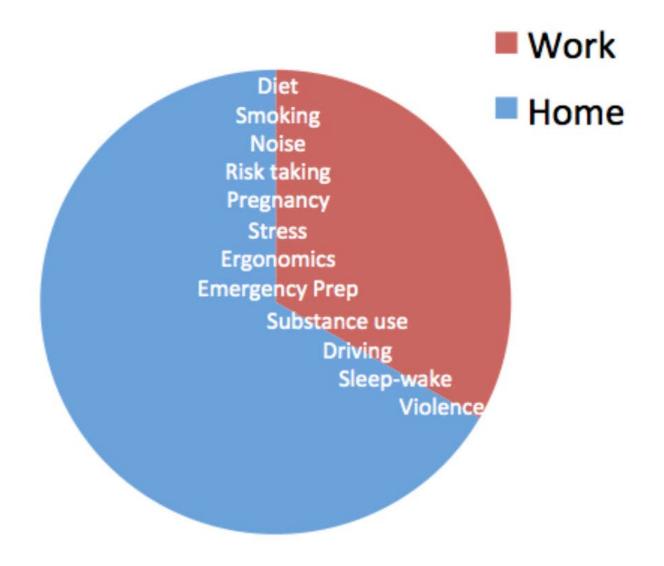


**Create Greater Worker Well-being** 

# Seven Critical Strategies for Advancing the Health, Safety and Wellbeing of Your Workers







Source: Dr. Kent Anger, Oregon Health and Science University, 2014.

# **Critical Strategy #1**

"Don't under-estimate the connection between our health at work and our health away from work"



#### Work-Related Deaths, 2011 (Per 100,000 Workers\*)

Fishermen (121.2)
Loggers (102.4)
Pilots (57.0)
Farmers And Ranchers (25.3)
Police Officers (18.6)
Construction Workers (15.7)
National Average (3.5)
Firefighters (2.5)
Cashiers (1.6)
Office Admin (0.6)
Business And Finance Staff (0.5)

<sup>\*</sup> Full-time equivalent workers.

Source: US Bureau Of Labor Statistics, 2011 (Credit: Jess Jiang and Lam Thuy Vo /NPR)

#### US Burden of Occupational Disease, Injury and Death

- In the United States in 1970, there were approximately 14,000 fatal work injuries per year
- In 2014, with a workforce about twice as large,
   4,679 workers died from fatal injuries
- About 12 workers will die on the job today
- In 2010, 3.7 million serious injuries per year
- Up to \$250 billion in direct and indirect costs
- 1.8% of US GDP

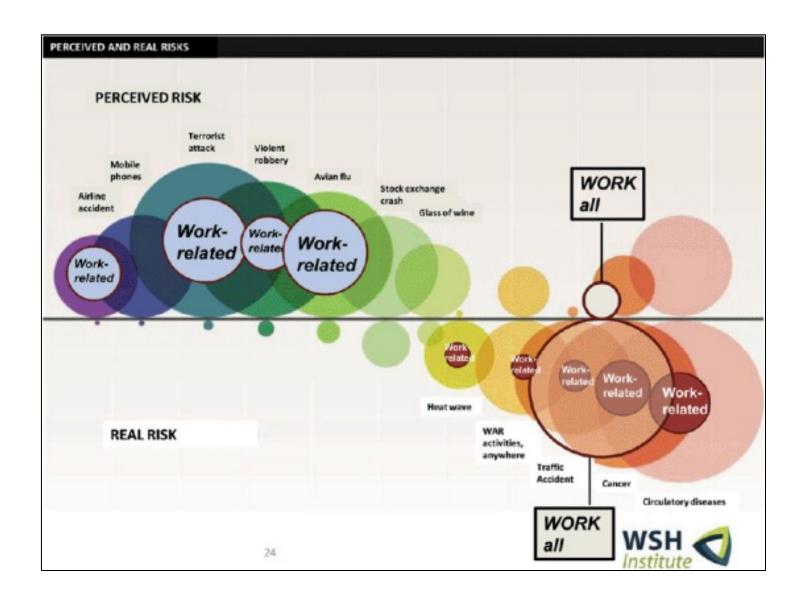












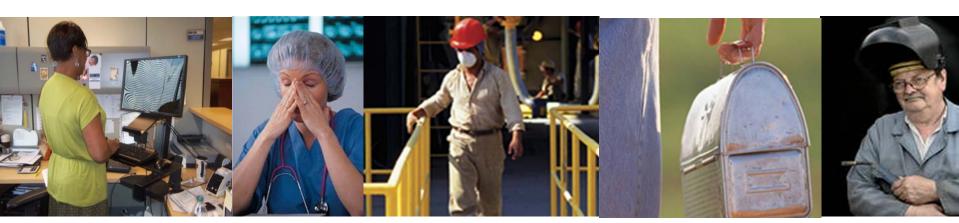
# **Critical Strategy #2**

"Be mindful of the significant, pervasive risks that work conditions represent to our overall health and well-being"



#### What is Total Worker Health™?

....policies, programs, and practices that integrate protection from work-related safety & health hazards with promotion of injury and illness prevention efforts to advance worker well-being.



# Total Worker Health

# **Keep Workers Safe**



**Invest More in Worker Health** 



**Create Worker Well-being** 

# Protecting Workers Is the Cornerstone of Total Worker Health<sup>TM</sup>



Photo Credit: Jawad Qasrawi/Hazards Magazine, 22 July 2014

# Individually-Focused Behavior Change Interventions Not Enough

"It is unreasonable to expect people to change their behavior when the social, cultural and physical environments around them fully conspire against them...."



Adapted from M. Marmot/Institute of Medicine Report

### Total Worker Health<sup>™</sup> Is <u>NOT</u> Employee Wellness

- When wellness programs take place in workplaces that are <u>not providing</u> safe and healthful working conditions ... this is not *Total Worker Health*.
- When wellness programs take place in workplaces in which the very way that work is organized and structured is actually contributing to worker injuries and illnesses.... (like) cardiovascular diseases, depression and anxiety...and the employee wellness program is oblivious to the contribution of work to ill-health, this is not *Total Worker Health*.
- When workplaces promote wellness programs of <u>unproven value for</u> <u>workers' well-being</u> and are completely disconnected from workforce protection, that's not *Total Worker Health*.
- When wellness programs do not ask employees about what work factors they think are contributing to their stress, that's not Total Worker Health.

# **Critical Strategy #3**

"Focus first on culture-building; policies represent our "MO" and guide us to sustainable health outcomes"

## "Where have all the good jobs gone?"

#### What TWH Policies, Programs and Practices Look Like

- Worker-centered operations and worker participation in workplace problem solving
- Paid family & sick leave, paid medical benefits
- Equitable wages
- Safe staffing, voluntary overtime
- Discrimination, harassment, and violence prevention
- Health-enhancing work organization and supervision
- Work Intensification prevention
- Respect, fair performance appraisals & advancement opportunities
- Work-Life Integration
- Attention to work factors causing chronic conditions
- Confidential occupational health services
- Support for productive aging across working life

## **Question:**

Can the job I have predict my chances of being overweight or obese?

#### "Our focus must be on Fat Jobs....not Fat Workers"

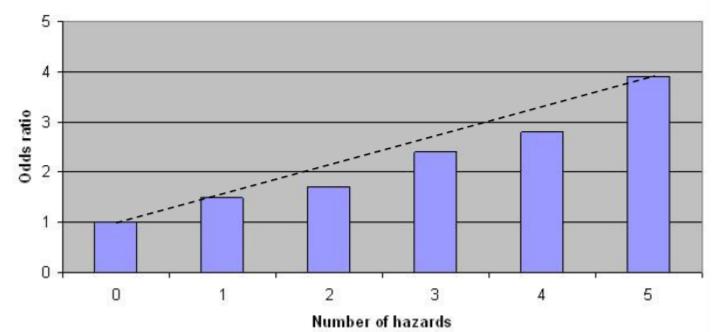
#### Obesity by Occupation

A sampling of U.S. jobs and the prevalence of obesity in that occupational group

Sample Jobs		Obesity Rate for Group	
HIGHEST		_	
**	Police officers, firefighters, security guards	40.7%	
214	Social workers, clergy, counselors	35.6	
	Home health aides, massage therapists	34.8	
<b>⇔</b>	Architects, engineers	34.1	
6.00	Bus drivers, truckers, crane operators, garbage collectors	32.8	
LOWEST			
	Janitors, maids, landscapers	23.5%	
6 II	Cooks, bartenders, food servers	23.1	
	Physicians, dentists, EMTs, nurses	22.0	
10	Artists, actors, athletes, reporters	20.1	
	Economists, scientists, psychologists	14.2	Average U.S. worker: 27.7%
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Note: Obesity defined as body mass index of 30 or above The Wall Street Journal Source: American Journal of Preventive Medicine's 2014 report based on 2010 data

# Risk of obesity by number of work stressors [Nursing home study,CPHNEW]





<u>Stressors</u>: low decision latitude, poor co-worker support, heavy lifting, night work, physical assault at work in past 3 months. (Multivariable models adjusted for gender, age, education and region.)

www.uml.edu/centers/CPH-NEW

Punnett L and the Center for the Promotion of Health in the New England Workplace. Recent Trends and Research in Worker Safety and Health. February 25, 2014 NIOSH Total Worker Health Webinar.

# **Critical Strategy #4**

"To truly impact the epidemic of obesity among workers, we must fix fat jobs....not focus on fat workers"



By 2015, one in five American workers will be 55 years of age or older.

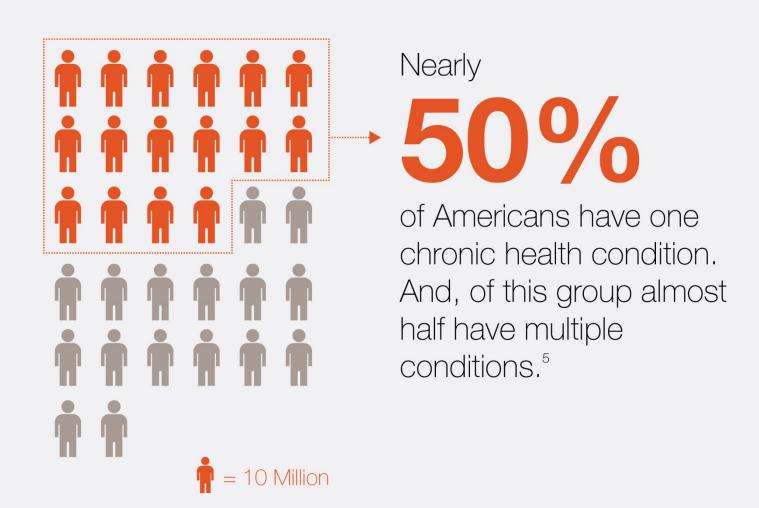
BLS [2008]. Older workers: BLS spotlight on statistics. Washington, DC: U.S. Department of Labor, Bureau of Labor Statistics [http://www.bls.gov/spotlight/2008/older\_workers/]. Date accessed: September 26, 2013.



## Can We Age Productively?







5. Partnership for Solutions [2004]. Chronic conditions: making the case for ongoing care. Baltimore, MD: Partnership for Solutions. [http://www.partnershipforsolutions.org/DMS/files/chronicbook2004.pdf].



# Creating Age-Friendly Workplaces

- Prioritize workplace flexibility
- Match tasks to abilities
- Involve workers in job redesign efforts
- Avoid prolonged, sedentary work
- Manage physical hazards, e.g., noise, slip/trip
- Provide ergo-friendly work environments
- Provide health promotion & lifestyle programs
- Accommodate medical self-care
- Invest in training & skill-building for all workers
- Encourage cross-generational interactions
- Manage reasonable accommodations & return to work
- Require aging workforce management skills training for supervisors

# **Critical Strategy #5**

# "Train supervisors with health outcomes in mind"

#### **Key Areas**

- New, younger, older, vulnerable workers
- Work stress; work-family integration
- Accommodation, return-to-work
- Red flags, early interventions, social supports













# 21st Century World of Work

#### Salariat

 Those who hold steady, old-fashioned jobs at fixed workplaces, which are dwindling in the private sector and are now located mostly in government

#### Proficians

 Those who are highly educated and sell advanced skills that have grown in value in the knowledge economy and who more and more are multinational and voluntarily migratory workers

#### Precariat

 Those for whom employment is typically short-lived, uncertain, involuntarily migratory, and delivered without a health, injury compensation, or social pension benefits package

(Adapted from: Dr. Guy Standing, Professor of Economics, SOAS, University of London; from his book, A Precariat Charter.)







# Newer Employment Patterns Affecting Worker Health

- Precarious Employment
  - Contingent, Temporary or Independent Contractor
- Serial Subcontracting
- Dual Employers—Employee Leasing
- Work Organizational Factors
  - Work intensification
    - Downsizing
    - Mandatory overtime
  - Lack of paid medical and family leave
  - Stressors arising from work itself



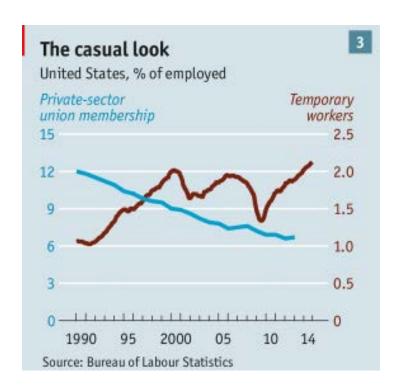






#### **Contingent/Temporary/Leased Worker**

- More workers are being employed through "contingent work"
  - Day laborers hired on a street corner for construction or farm work, warehouse laborers hired through staffing agencies, and hotel housekeepers supplied by staffing firms are common examples, because their employment is *contingent* upon shortterm fluctuations in demand for workers.
- Little job security, low wages, minimal advancement
- Perform most hazardous work
- A small, but rapidly-growing percentage, disproportionately bears the burden of workplace injury, illness and death









# **Health Effects of Contingent Work**

- Contingent employment increases negative consequences for the injured worker and society:
  - Lack of job protections after injury can lead to job loss and few prospects of new employment
  - Employer-based health insurance is a rarity for contingent workers, so the costs of treating injuries are typically shifted to the worker or the public at large.
  - Employers do not <u>directly</u> pay for workers' compensation and health insurance, so they may be insulated from actual costs of workers' injuries and may not respond as readily to correct harmful conditions
- What do you think?
  - Are contingent workers as protected by government safety and health regulatory enforcement as are non-contingent workers?





#### **NIOSH Studies on Paid Sick Leave**

- Examined association between worker access to paid sick leave (PSL) and incidence of nonfatal occupational injuries
  - in the U.S. private sector
  - by industry and occupation, from the employer's perspective
    - Asfaw et al. 2012
       http://dx.doi.org/10.2105/AJPH.2011.300482
- Currently examining the business value of providing PSL
  - Net (benefits) savings or costs to employers who provide PSL
    - Asfaw et al. work in progress
- Evidence of economic returns would help employers make informed decisions about providing or expanding PSL

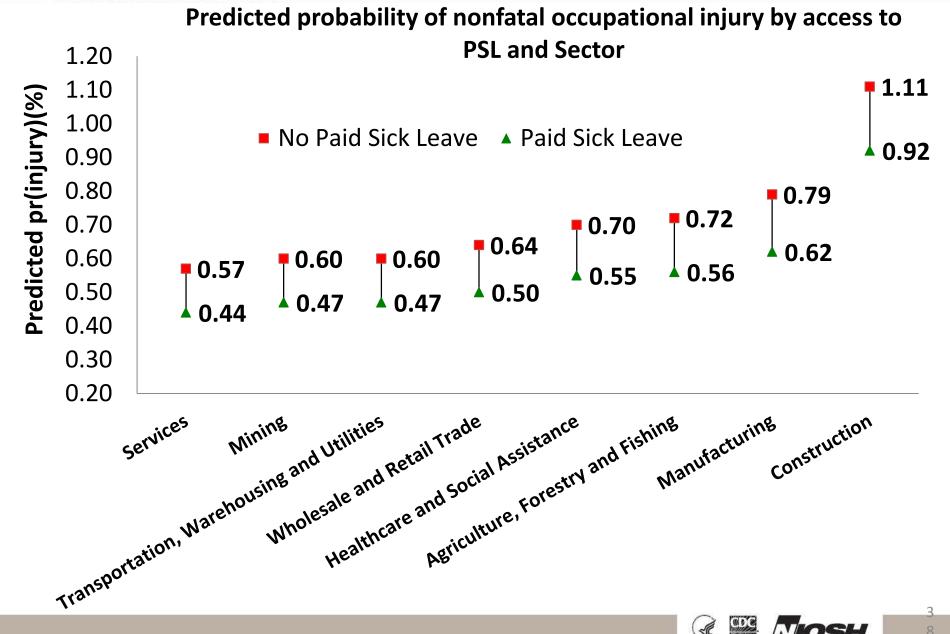


#### Paid Sick Leave and Occupational Injury

#### What did NIOSH find?

- 28% lower injury likelihood of workers with access to PSL compared to workers without access to PSL, based upon data on working adults from the National Health Interview Survey (NHIS) for 2005-2008
- Association varied across different industry sectors
- Introducing or expanding PSL might help businesses to reduce the incidence of nonfatal occupational injuries
- More likely to lower risks in industry sectors or occupations with a high risk of injury
- Employers could save \$16 \$56 billion per year or \$375 \$1,300 per worker per year by offering paid sick leave to their employees, based on cost of \$19 billion per year to provide PSL





### Critical Strategy #6

"Craft benefits programs with worker safety and well-being in mind; provide flexibilities and supports so workers can actually use them"











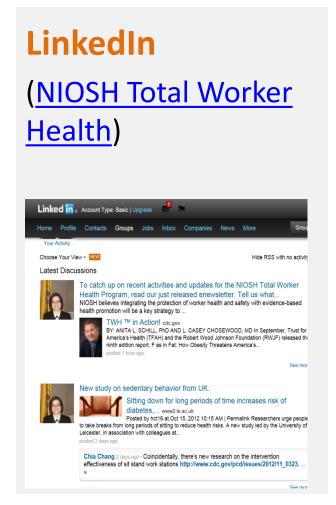
## GET ENGAGED IN THE CONVERSATION AND TAKE ACTION

#### Ways to Connect with Total Worker Health™

#### Email TWH@cdc.gov

### Twitter (@NIOSH TWH)





#### TWH in Action! e-Newsletter





#### NIOSH TOTAL WORKER HEALTH™

#### Webinar Series

#### **2014 Series Summary**

February 25

Making the Case for Total Worker

Health: An Overview of

Opportunities and Approaches

August 19
Intervening for Work Stress: Work-Life
Stress and Total Worker Health

November 14
Integrated Safety and Health for Small Businesses



Laura Punnett, ScD



Ron Goetzel,



Dan Ganster, PhD



Leslie Hammer, PhD



James Merchant, MD, DrPH



Lee Newman, MD, MA

543 registrants357 attendees for live webinar224 views of recording\*

582 registrants319 attendees for live webinar711 views of recording<sup>+</sup>

598 registrants234 attendees for live webinar279 views of recording<sup>+</sup>

<sup>\*</sup>Current as of 2/10/2015 +Current as of 3/12/2015



#### NIOSH TOTAL WORKER HEALTH™

#### Webinar Series

#### **2015 Series**

March 12
Preserving Lung Health: At Work and Beyond



Cara Halldin, PhD DRDS/NIOSH



David Weissman, MD
DRDS/NIOSH



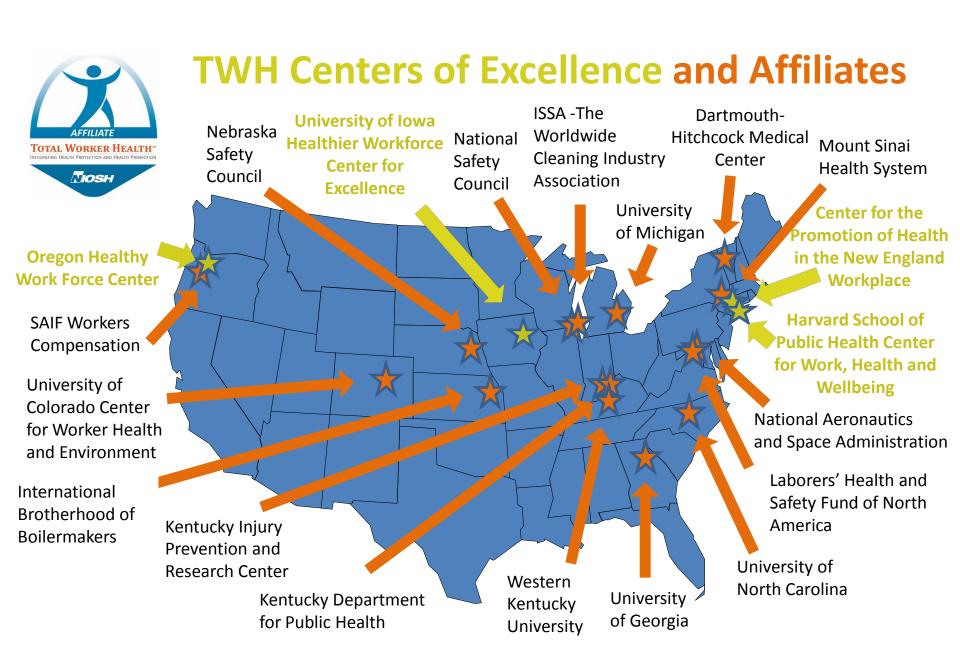
Cassandra Okechukwu, ScD, MSN Harvard School of Public Health

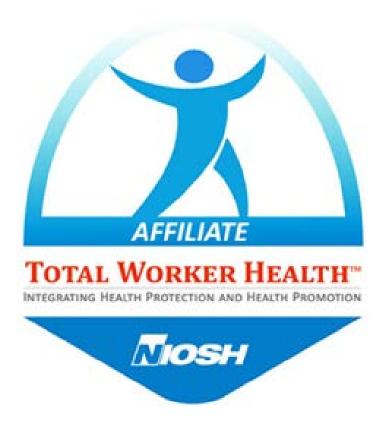
**603** registrants

July 2015
Sedentary Work

Other webinars on the way.....

October, 2015
December, 2015
February, 2016





http://www.cdc.gov/niosh/twh/affiliate.html

### **Critical Strategy #7**

"Workplace safety and health is a team sport and we want YOU on our team! Connect with us today!"

# Why total worker health really matters...



