

Wholesale and Retail Trade (WRT) Sector Strategic Plan: Implementation Phase (Goals and Progress) Feb 2011

Goal	Progress		Responsible Person
	Current	Planned	
SG1 – Reduce MSDs by 25%			
1.1 – WRT stakeholders joined in E-Data Injury Surveillance Network	National Health Interview Survey Occupational Health Module (2008) Health and Safety Threats in the Trade Sector (2006) National Health Interview Survey Occupational Health Module (2008-12) Sur. Branch Research Dev. & Planning (2000-16) Industry Health Surveillance With Group Medical Claims (2005-11) NIOSH Surveillance Coordination (2001-12) PPT Surveillance Planning (2008-13)		DSHEFS John Sestito
1.1.1 – Review BLS Surveillance data to build awareness	ChartBook: Injuries, Illnesses & Fatalities in the Wholesale & Retail Trade Sector http://www.cdc.gov/niosh/z-draft-under-review-do-not-cite/draftwrt/pdfs/WRTchartbook_REV_12-10-10.pdf PPT Surveillance Planning (Includes PPT Cross Sector activities and funding) (2008-13) Secondary Source Data Analysis PPT-Surveillance (2008) Emerging Issues in ORD Surveillance (1999-2016)	Working paper News Bulletin	Vern HK John Sestito DRDS
1.1.2 – Develop annual database for updating Chartbook	Chart Book EChartbook (2006-11) http://www.cdc.gov/niosh-survapps/echartbook/ The eChartbook is a descriptive epidemiologic reference on occupational morbidity and mortality in the United States. A web-based resource for agencies, organizations, employers, researchers, workers, and others who need to know about occupational injuries and illnesses, the eChartbook includes more than 8,000 figures and tables describing the magnitude, distribution, and trends of the Nation's occupational injuries, illnesses, and fatalities.	EChartbook	Vern /HK Herb Linn DSHEFS John Sestito
1.1.3 – Identify high risk subsectors	Chart Book Anderson, Schulte et al, 2010, AJIM http://www.cdc.gov/niosh/programs/wrt/pubs.html Health and Safety Threats in the Trade Sector (2006-14)	APHA poster	Vern/RR/HK/Paul
1.2 – Convene series of biennial workshops – best practices	4 th WRT Sector Council Meeting Developing a protocol, Develop/Adopt Best Practices Awards Prevention Campaign: High Risk Trade Workers (2006-14) Workplace Solutions for the WRT Sector (2008-14) WRT Implement Project (PHP) MMH Workshop (2009-13) Trade Sector Implementation (2005-15) A Guide for WRT Businesses to Prevent MSDs (PHP) (2009-14)	5 th WRT Sector Council Meeting Cincinnati, OH	Vern /RR/HK
1.2.1 – Conduct laboratory studies on injury mechanism	Injury & Illness Incidence Rate Calculator and Comparison Tool http://data.bls.gov:8080/IIRC/?data_tool=IIRC Engage Practitioners/ Demonstration Projects Observational sampling methods for ergonomic risk assessment (2009) Development of the NIOSH Pushing and Pulling Equation (2008) Health Hazard Evaluations and Technical Assistance (1980-2014) Mechanisms of Injury and Maladaptation in a Repetitive Motion Model (2007-11) 021H: Upper Extremity Dynamics During Keying (8373) (2007-11)	Adapting Order-Picking Technologies for Risk Assessment in a Retail Distribution Center (2010)	Oliver Wirth THOMAS WATERS ROBERT CUTLIP ALLISON TEPPER LINDA FREDERICK
1.2.2 – Develop and Evaluate economic models of MSDs	NORA FY11 funded- Evaluating the effectiveness of OSH program http://www3.interscience.wiley.com/cgi-bin/fulltext/123189189/PDFSTART Costs of Injuries/Illnesses in Wholesale and Retail Trade (2007-10)	Updating “Elements of Ergonomics Programs”	Steve W. Chris Gjessing
1.2.3 – Enlist experienced practitioners	http://www.cdc.gov/niosh/z-draft-under-review-do-not-cite/draftwrt/activity-summary-for-practitioners.html Kermit Davis, Associate Professor University of Cincinnati W. Tim McGlothlin, MS, CPE, Executive Director		John Mroszczyk, Kermit Davis, Tim McGlothlin, Scott/HK

<p>1.2.4 – Conduct studies to assess the effectiveness of intervention</p>	<p>Davis, Support of Wholesale and Retail Trade Prevention Campaign for the Midwest Region, (Contract 211-2007-M-23297, 2008)</p> <p>Mark Hoffman (NCR Corp, 2008) Support of WRT Injury Prevention Campaign for the Southeast Region</p> <p>Robert Arndt, Comments on “Simple Solutions” approach by Robert Arndt (Contract 211-2007-M-23276)</p>	<p>Health and safety threats in the trade sector NORA FY11 Adapting Order-Picking Technologies for Risk Assessment in a Retail Distribution Center</p>	<p>Vern Regina Pana-Cryan (Rene)</p> <p>Oliver Wirth Steve W.</p>
<p>1.2.5 – Fund extramural studies of effectiveness of powered material handling devices</p>	<p>Six demonstration studies on MMH</p> <p>1. Activities supporting the eastern and southern regions demo studies by the Ergonomics Center of North Carolina Contract 214-2009-M-32436 (WRT Demo Study-eastern region) Contract 214-2009-M-32435 (WRT Demo Study-southern region)</p> <p>2. Kermit Davis, Univ of Cincinnati</p> <p>The business case for safety and health http://www.cdc.gov/niosh/blog/nsb092109_businesscase.html</p>	<p>Organizing MMH workshop, Oct, 2011</p>	<p>Tim McGlothlin Jeff Hoyle Kermit Davis</p>
<p>1.2.6 – Perform business case analysis</p>	<p>Econ Webinar by Rene and Economics program websites http://www.cdc.gov/niosh/nora/councils/wrt/ The business case for safety and health http://www.cdc.gov/niosh/blog/nsb092109_businesscase.html</p>		<p>Rene Steve W</p>
<p>1.3 – Launch awareness campaign for high risk subsectors</p>	<p>Writing a protocol: PHP FY11 – seed money funded http://osha.europa.eu/en/campaigns Best Practice Guide for Food Distribution Centers (by William Marras et al, 1998)- NIOSH (Vern’s study at Big Bear) had indirect impacts on this Guide. WRT PHP MMH Workshop (2009) Evaluation/Dissemination of Lifting Equation Training (2006) Workplace Solutions for the WRT Sector (2008)</p>	<p>RILA NIOSH exhibit</p>	<p>Vern</p>
<p>1.3.1 – Identify effective communication channels</p>	<p>Social marketing: John Strand’s presentation Evaluation/Dissemination of Lifting Equation Training CD (2006-10)</p>	<p>MMH simple solutions PHP MMH workshop</p>	<p>Vern/ HK</p>
<p>1.3.2 – Develop materials about MSDs</p>	<p>Collecting resources - Guidelines Manual Material Handling http://www.cdc.gov/niosh/docs/2007-131/</p>	<p>Vern, Trade sector implementation, A guide for WRT business to prevent MSDs (2012)</p>	<p>Vern/HK</p>
<p>1.3.3 – Dissemination information about precaution of MSDs</p>	<p>Campaign protocol http://osha.europa.eu/en/publications/reports/TE7606536ENC</p>	<p>Prevention campaign: High risk trade workers</p>	<p>Vern/ HK</p>
<p>1.3.4 – Identify r2p opportunities</p>	<p>National Campaign Webcast/Webinar http://data.bls.gov:8080/IIRC/?data_tool=IIRC RILA, The Home Depot, WamMart, Target, SuperValue, Macy’s, Travelers Insurance, Liberty Mutual, EASE Council, LPF, TXANS</p>	<p>Workplace solutions for the WRT sector</p>	<p>Vern</p>
<p>1.3.5 – Develop tools, savings method</p>	<p>Liberty Mutual MMH tables: on-line calculator (from the Research Institute for Safety link) and a PDF download for the manual version.</p>	<p>Developing the Best Practice Awards</p>	<p>Vern /HK</p>

	http://libertymmhtables.libertymutual.com/CM_LMTablesWeb/taskSelection.do?action=initTaskSelection	A guide for WRT business to prevent MSDs	
1.3.6 – Develop/test effectiveness of training materials	MOU with LPF – training and certifications Evaluation/Dissemination of Lifting Equation Training CD (2006-10)		
SG 2 – Reduce acute traumatic injury by 20% from slips, trips, and falls	http://www.cdc.gov/niosh/programs/wrt/pubs.html		
2.1 – Real WRT stakeholders joined in E-Data Injury Surveillance Network	http://www.osha.gov/dts/osta/oshasoft/index.html National Surveillance of Nonfatal Occupational Injury Using the NEISS (1991-2015) Health and Safety Threats in the Trade Sector (2008)		Larry Jackson
2.1.1 – Review BLS data and identify work-related injuries from falls	National Surveillance of Nonfatal Occ Inj Using the NEISS (1991-2015) http://www.bls.gov/ncs/ebs/benefits/2009/ownership_private.htm		Vern /HK LARRY JACKSON
2.1.2 – Develop/maintain database for updating Chartbook	National Surveillance of Nonfatal Occ Inj Using the NEISS (1991-2015) http://www.osha.gov/SLTC/fallprotection/index.html Surveillance of Non-Fatal Work-Related Injuries in Alaska (1998-2013)		HK, LARRY JACKSON BRADLEY HUSBERG
2.1.3 – Identify high risk base subsectors	Surveillance of Non-Fatal Work-Related Injuries in Alaska (1998-2013) http://www.cdc.gov/niosh/injury/ http://www.cdc.gov/niosh/topics/falls/default.html		BRADLEY HUSBERG
2.2 – Convene biennial workshop	5 th Sector Council Meeting WRT Implementation Project (PHP) MMH Workshop (2009-12)		Vern
2.2.1 – identify risk factors for nonfatal falls	Fall injury controls and interventions for aerial lifts (07-11, Construction) Effects of localized muscle fatigue on risk of slips and falls (2009-2013, Construction & Service) Health and Safety Threats in the Trade Sector (2006-14)		Christopher Pan Lata Kumar
2.2.2 – Conduct research on relation between surface pace etc. and falls	http://www.osha.gov/Region7/fallprotection/index.html http://198.246.98.21/niosh/topics/falls/#pubsandwebs Evaluation of STF Prevention Practices in Food Services (09-13, Service)		Jennifer Bell
2.2.3 – Develop Fall Assessment Eg	Effectiveness of Extension-Ladder Safety Innovation (07-11, Construction) Adapting Order-Picking Technologies for Risk Assessment in a Retail Distribution Center (2010-14)		Hongwei Hsiao Oliver Wirth
2.2.4 – Develop and apply economic models to assess costs	NIOSH Economics program http://www.cdc.gov/niosh/programs/econ/		Rene
2.3 – Launch public health campaign	PHP FY11 Training to Design Age-Friendly Workplaces for Retail Work Prevention Campaign: High Risk Trade Workers (2006-14)	PHP-FY12 2 nd annual campaign for fall protection	James Grosch Vern
2.3.1 – Identify research gaps in prevention program	Trade Sector Implementation (2005-15) Public NPPM: http://spp-expk2.cdc.gov/default.aspx		Vern
2.3.2 – Identify communication channels	Direct Outreach Business Development. Social Media Trade Associations, Article publications		

2.3.3 – Develop materials about preventing falls	NIOSH Safety and Health Topic: Falls from Elevation http://198.246.98.21/niosh/topics/falls/#tic2		
2.3.4 – Disseminate information	Fall Prevention Campaign for Latino Workers (PHP construction, -2012)		Sherry Baron
2.3.5 – Identify r2p opportunities	RILA, Home Depot, WalMart, Target, SuperValue, Macy's, Travelers Insurance, Liberty Mutual, EASE, LPF, TXANS		
2.3.6 – Develop tools to assess effectiveness of information campaign	OSHA safety pays program http://www.osha.gov/dcsp/smallbusiness/safetypays/index.html		
SG3 – Reduce workplace violence by 25%	NIOSH WRT program http://www.cdc.gov/niosh/programs/wrt/pubs.html		Rashaun Harlan Amandus
3.1 – Stakeholders joined in E-Data Injury Network	Health and Safety Threats in the Trade Sector (2008) OSHA e-tools http://www.osha.gov/dts/osta/oshasoft/index.html http://www.osha.gov/SLTC/workplaceviolence/recognition.html BLS workplace violence http://www.bls.gov/iif/osh_wpvs.htm		
3.2 – Develop/adopt uniform definitions of violence	Work organization and Workplace Violence (02-14, Healthcare and Social Assistance)		Paula Grubb Roberts Rashaun
3.1.2 – Expand range of surveillance	VIOLENCE IN THE WORKPLACE: State Plan Standards & Resources http://www.osha.gov/dcsp/osp/work_violence.html BLS data on homicide http://www.bls.gov/iif/oshwc/foi/cftb0215.pdf National Occupational Mortality Surveillance Study (2009-13) (NOMSII) NORA Surveillance Consultation (2001-11) EChartbook (2006-11)	EChartbook	DSHEFS John Sestito
3.1.3 – Develop and maintain annual database for updating Chartbook – trend	http://www.osha.gov/OshDoc/data_General_Facts/factsheet-workplace-violence.pdf http://www.bls.gov/iif/osh_wpvs.htm <u>Workplace homicides with assailant and circumstance, 1997-2008</u> http://www.bls.gov/iif/oshwc/foi/work_hom.pdf		
3.1.4 – Develop database for updating Chartbook – trend	http://www.osha.gov/SLTC/etools/hospital/hazards/workplaceviolence/viol.html		
3.1.5 – Develop database to identify job tasks at risk	General Services Administration - http://www.gsa.gov/pbs/fps/fps.htm Office of Personnel Management - http://www.opm.gov/workplac/index.html-ssi Minnesota Center Against Violence and Abuse - http://www.mincava.umn.edu/workviol.asp Workplace Solutions - http://www.wps.org		
3.2 – Convene biennial workshop	WRT Implementation Project (PHP) MMH Workshop		Vern
3.2.1 Review workplace violence prevention programs to identify barriers	Community-Based Workplace Violence Intervention for High Risk Businesses (2007-10) Workplace Violence Initiative: Research and Implementation (2001-12)		DANIEL HARTLEY DSR(9278313)
3.2.2 – Prepare effort to understand and prevent workplace violence	Translation of a Robbery and Violence Prevention Program to High Risk Business Health and Safety Threats in the Trade Sector (2006-14) Developing A Framework To Investigate Work Organization's Role in Health Promotion Effectiveness (2010-11) (927ZJSM)	927ZJSM	Bernadine Kuchinski Vern DART

3.2.3 – Assess costs of injuries from workplace violence	NIOSH topic http://www.cdc.gov/niosh/topics/violence/ Costs of Injuries/Illnesses in Wholesale and Retail Trade (2007-10) Analysis of Medical Cost Records from MarketScan Database (2009-11)	Evaluation of Ordinances to Prevent Workplace Violence in Convenience Stores (NORA FY2011)	Harlan Amandus Anasua Bhattacharya
3.2.4 – Conduct research on risk factors	Developing A Framework To Investigate Work Organization’s Role in Health Promotion Effectiveness (2010-11) NIOSH topic http://www.cdc.gov/niosh/topics/violence/	Gain OSH benefits in older workers by improving their sleep	DART (927ZISM) Claire C Caruso
3.2.5 – Identify high risk factors in high risk establishments	Workplace Violence Initiative: Research and Implementation (02-12, Healthcare and TWU, DSR)	Evaluating ordinances to prevent violence to retail store workers	Harlan Amandus, Daniel Hartley (DSR)
3.2.6 – Assess effectiveness of workplace programs	NIOSH topic http://www.cdc.gov/niosh/topics/violence/ OS&H Tools and Capability Building (2001-12)	Evaluating the Effectiveness of OSH Program Elements	Steve Wurzelbacher JOHN PALASSIS
3.3 – Publish and disseminate results of workplace prevention programs	Trade Sector Implementation (2005-15) http://www.cdc.gov/niosh/topics/violence/default.html http://mtn.niosh.cdc.gov/eid/rmca/polstmt/pdfdoc/PSZY33D.pdf		Vern
3.3.1 – Launch campaign based on “self-certifications”	Loss Prevention Foundation 021H: Translation of a Robbery and Violence Prevention Program to High Risk Business (9527) Translation of a Robbery and Violence Prevention Program to High Risk Business (2008-13)		BERNADINE KUCHINSKI OEP
3.3.2 – Assess costs (seems same as 3.2.3)	http://www.cdc.gov/niosh/topics/violence/		
3.3.3 – Establish internet access to violence prevention programs	http://www.osha.gov/dcsp/osp/work_violence.html http://www.lni.wa.gov/Safety/Topics/AtoZ/WPV/default.asp		
3.3.4 – Publish case studies on the value of partnerships	http://www.osha.gov/dcsp/smallbusiness/sharp.html		
3.3.5 – Disseminate management practice	Translation of a Robbery and Violence Prevention Program to High Risk Business (2008-13)		OEP (R019527)
SG4 – Reduce motor vehicle injuries in WRT			
4.1 – WRT stakeholders joined an E-Data Injury Surveillance Network	Health and Safety Threats in the Trade Sector (2008) http://www.cdc.gov/niosh/programs/wrt/pubs.html		
4.1.1 – Develop standard definition of motor vehicle injury	http://www.cdc.gov/niosh/topics/motorvehicle/ http://www.cdc.gov/niosh/docs/2004-137/default.html Kentucky Occupational Safety and Health Surveillance Washington Occupational Surveillance Program		Stephanie Pratt Morgantown, WV 26505-2888 (304) 285-5992 email:

spratt@cdc.gov

4.1.2 – Develop annual database for updating Chartbook

Worldwide Occupational Road Safety (WORS) Review Project 2007
<http://www.cdc.gov/niosh/contract-reports/WORS/WORS-04-10-2007.pdf>
<http://www.cdc.gov/health/motor.htm>
<http://stats.bls.gov/news.release/pdf/cfoi.pdf>

4.1.3 – Develop annual database to identify high risk jobs

<http://mtn.niosh.cdc.gov/eid/rmca/polstmt/pdfdoc/PSZY43K.pdf>
The Connecticut Road Industry Surveillance Program (CRISP)

4.1.4 – Assess costs of motor vehicle injuries and fatalities

<http://www.cdc.gov/niosh/docs/2004-137/default.html>
The industry divisions with the highest number of fatalities were Transportation/Communications/Public Utilities (TCPU) (4,358, 33% of the total), Services (1,884, 14%), Construction (1,403, 11%), and Manufacturing (1,093, 8%).
The occupation divisions with the greatest proportion of fatalities were Transportation/Material Movers (6,212, 47%), Precision Production/Craft/Repairers (1,178, 9%), Sales (975, 7%), and Service (961, 7%).

4.2 – Convene series of biennial workshops

NIOSH Transportation Initiative (was Occ Motor Vehicle Saf & Hlth Res Center in FY05) (2004-15)
WRT Implementation Project (PHP) MMH Workshop

KARA PERRITT
Vern

4.2.1 – Establish working group of stakeholders

WRT Sector Council Meeting Panel, Focus groups

4.2.2 – Identify risk factors associated with motor vehicle crashes

NIOSH Transportation Initiative: This Initiative coordinates NIOSH-wide activities in all industry sectors to reduce motor vehicle crashes, the leading cause of traumatic occupational fatalities. The Initiative currently supports 1) collaborative work with the National Center for Injury Prevention and Control (NCIPC) to address cross-cutting occupational and non-occupational issues related to motor vehicle safety and 2) efforts promoting global road safety that include a NIOSH-sponsored International Conference on Road Safety at Work, and NIOSH participation in the United Nations Road Safety Collaboration and in the federal agency Global Road Safety Roundtable coordinated by the US Department of State.

Kara Perritt
(DSR)
(304) 285-5894
Project period:
2004-2015

4.2.3 – Identify leading risk factors

Risk Factors for Vehicle Crashes Among Public Employees: This project uses two study populations to assess crash factors among public employees: state department of transportation (DOT) employees and active duty U.S. military personnel. For the first component, NIOSH will disseminate recommendations to state DOTs for a minimum crash data set and for improvements in data collection and management. The second component is a collaboration with researchers in the U.S. Department of Defense to analyze existing medical and pharmacy data to determine the role, if any, of prescription drugs in fatal crashes; and to develop future joint research projects.

Stephanie Pratt
(DSR)
(304) 285-5894
Project period:
2004-2007

4.2.4 – Identify special risk factors (e.g. fatigue)

Traumatic Occup Injury Prog. <http://www.cdc.gov/niosh/injury/>
<http://www.cdc.gov/niosh/topics/motorvehicle/default.html>
<http://www.cdc.gov/niosh/docs/2005-159/>

4.2.5 – Identify risk factors at high risk establishments

<http://www.cdc.gov/niosh/topics/motorvehicle/default.html#research>
Development of Guidelines and Assessment Tools for Truck
Preventing Work Injuries and Chronic Illnesses in Truckers
Screening for Obstructive Sleep Apnea in Commercial Drivers
Effects of Extended Work Hours on Intern Health and Safety
http://www.cdc.gov/niosh/oep/pdfs/FY2003_FUNDED_PROJECTS.pdf
Health and Safety Threats in the Trade Sector (2006-14)
[Work Organization Influence on Fatigue in Truck Drivers](http://www.cdc.gov/niosh/oep/pdfs/FY2003_FUNDED_PROJECTS.pdf)

Work organization and injuries in supermarket occupations (NORA FY 2011)

Aki
Vern

4.2.6 – Identify psychosocial risk factors

NIOSH project plan: Work organization and stress-related disorder cross-sector, QWL
<http://od.niosh.cdc.gov/ProjectPlans2007/CrossSectorPrograms/WorkRelatedDisorderscrosssector2007.html>

4.3 – Stakeholders will support diffusion efforts	WRT Think Tanks NIOSH Transportation Initiative (was Occ Motor Vehicle Safety and Health Research Center in FY05)		Vern
4.3.1 – Identify communication channels for information campaign	Work-related Roadway Crashes: Challenges and Opportunities for Prevention http://www.cdc.gov/niosh/docs/2003-119/default.html http://www.cdc.gov/niosh/docs/2004-136/default.html		
4.3.2 – Develop effective intervention strategies	Work-related Roadway Crashes: Prevention Strategies for Employers http://www.cdc.gov/niosh/docs/2004-137/default.html http://www.cdc.gov/niosh/docs/2004-136/default.html		
4.3.3 – Train WRT drivers in safe practices	- Work-related crash fatalities most often resulted from collisions between vehicles (49%). Other prominent crash types were single-vehicle incidents that did not involve a collision with another vehicle or with a pedestrian (non-collisions) (26%), and collisions between a vehicle and a stationary object on the roadside (18%). - 62% of fatalities occurred between 7 a.m. and 4 p.m.; 38% occurred on U.S. or State-designated highways, 26% on interstate highways, and 24% on a local road or street.		
4.3.4 – Develop recommendations to reduce fatalities	- Between 1997 and 2002, 28% of fatally injured workers were wearing a seat belt; 56% were unbelted or had no seat belt available. Belt use was unknown for the remaining 16%. -Factors associated with the worker’s vehicle that contributed to the crash included: running off the road or failing to stay in the proper lane (46%); driving over the speed limit or too fast for conditions (23%); driver inattention (11%); and the driver being drowsy or asleep (7%). NOTE: Up to four factors may be reported for each vehicle. -In 8% of crashes fatal to a worker, the driver of the worker’s vehicle was determined to have been drinking	Evaluating the Effectiveness of OSH program elements (2010-14)	DSHEFS
4.3.5 – Establish a national program headed by Federal Transportation agencies	Trade Sector Implementation (2005-15) Motor Vehicle Safety Initiative (2004-16)	Motor Vehicle Safety Initiative (2004-16)	Vern DSR
SG5 – Improve outreach to small businesses in WRT	http://www.cdc.gov/niosh/docs/2003-100/ http://www.cdc.gov/niosh/programs/wrt/pubs.html		
5.1 – Over next 3 years, NFIB, DOL, and SBA will launch campaign to reduce fatalities and injuries in small businesses	Prevention Campaign: High Risk Trade Workers (2006) OSHA resources to assist employers with SB http://www.osha.gov/Publications/smallbusiness/small-business.html http://www.osha.gov/dcsp/compliance_assistance/quickstarts/index.html http://www.osha.gov/dts/osta/oshasoft/hazexp.html http://www.osha.gov/dcsp/compliance_assistance/cas.html Aching Arms in Small Business http://www.hse.gov.uk/pubns/indg171.pdf		
5.1.1 – Federal agencies will launch surveillance network by 2012	Health Hazard Evaluations and Technical Assistance (1980-2014) http://www.osha.gov/Publications/safety-health-management-systems.pdf Computer Retrieval of Information on Scientific Projects (CRISP) biomedical database http://report.nih.gov/index.aspx Quality of Work Life Survey (QWL)		ALLISON TEPPER
5.1.2 – Establish partnerships to implement intervention	A WRT Sector Council working group on small businesses is focusing its attention this summer on outreach to trade associations of product distributors. Most of the trade association members are small businesses. The WRT group is reaching out to as many as 32 distributor trade associations to encourage them to bring material handling ergonomics resources to their		Ray Sinclair

	<p>members, all of whom have extensive materials handling issues. “Ergonomics Guidelines for Manual Material Handling,” a cooperative effort of WRT sector partners, will be the main resource touted by this outreach effort. Some of the example trade associations are:</p> <p>Heating, Air conditioning, and Refrigeration Distributors Association (wholesale sales to heating and cooling retail companies) Flower Wholesale Trade Association, Door and Hardware Institute Farm Equipment Wholesalers Association, International Wholesale Furniture Association National Association of Floor Covering Distributors, North American Wholesale Lumber Association, Safety Equipment Distributors Association, National Beer Wholesalers Association Office Products Wholesalers Association, Pet Industry Distributors Association</p> <p>The National Federation of Independent Businesses source http://www.nfib.com/tabid/571/Default.aspx OSHA small business successes http://www.osha.gov/dcsp/smallbusiness/successes.html Small Business owners’ perceptions of workplace safety & health program (John Palassis, 2003)</p>		
5.1.3 – Analyze existing NIOSH guidance documents for utility with small businesses	Evaluating Training Interventions for Small Business NIOSH resource guide for SB: http://www.cdc.gov/niosh/docs/2003-100/default.html http://www.cdc.gov/niosh/docs/2004-135/suggestedReadings/suggestedReadings.html		Carol Stephenson
5.1.4 – Diffuse effective violence prevention to small businesses	Economic Burden of Occupational Injuries and Illnesses in Small Businesses (2008-12) OS&H Tools and Capability Building (2001-12)		Anasua Bhattacharya JOHN PALASSIS
5.1.5 – Recommend effective means of risk communication and management	Prevention Campaign: High Risk Trade Workers (2006-14) http://www.cdc.gov/niosh/docs/2004-135/ http://www.osha.gov/dsg/topics/safetyhealth/evaluation.html Gain OSH Benefits in Older Workers by Improving Their Sleep (PHP) (2009-12)		Vern DART
5.1.6 – Form partnerships to address contingent employment	Cincinnati USA Regional Chambers of Commerce http://www.cincinnati-chamber.com/cham.aspx Council of Smaller Enterprises (COSE) http://www.cose.org EPA SB http://www.smallbiz-enviroweb.org/default.aspx OSHA SB http://www.osha.gov/dcsp/smallbusiness/index.html SB Administration http://www.sba.gov SB-oriented publications B2B magazines http://www.btobonline.com/#seenit Cincinnati Business Courier http://cincinnati.bizjournals.com/cincinnati WSJ-SB http://online.wsj.com/public/page/news-small-business-marketing.html Ohio Bureau of Workers’ Comp http://www.ohiobwc.com/Default.aspx		
5.1.7 – Assess best practices	http://www.osha.gov/dsg/topics/safetyhealth/evaluation.html A Guide for WRT Businesses to Prevent MSDs (PHP) (2009-12) Trade Sector Implementation (2005-15) Prevention Campaign: High Risk Trade Workers (2006-14)		Vern
SG6 – Increase understanding of risks to vulnerable/contingent workers			Susan Board, Suzanne Marsh,
6.1 – Expand outreach to stakeholders	Gain OSH Benefits in Older Workers by Improving Their Sleep (PHP, 2009) Training to Design Age-Friendly Workplaces for Retail Work (PHP) WRT Think Tanks Evolve Messaging Social Media OSHA consultation program for small and medium sized employers Pennsylvania program: http://www.hhs.iup.edu/sa/OSHA/index.htm Information on the federal program and other state programs: http://www.osha.gov/dcsp/smallbusiness/consult.html	PHP FY11 Preventing Young Worker Injuries by Outreach to Community Health Clinics	Sherry Baron

	http://www.youngworkers.org		
6.1.1 – Ensure that occupational health data are collected	Occupational Supplement to the REGARDS Cohort Study (2009-13) Industry and Occupation Computerized Coding System (2008-12) NIOSH Surveillance Coordination (2001-12)		DSHEFS
6.1.2 – Expand surveillance capacity	National Surveillance of Nonfatal Occ Injury Using the NEISS (1991-) ED-Treated Occ Injuries by Industry Sector (2007) Follow-up studies on occ injury underreporting (2009) National Surveillance of Fatal Occ Injuries (2003) Barriers to Occ Injury Reporting by Workers (2009) Core OSH Training for New/Young Workers (2000) Dissemination and Integration of OSH to Young Workers (2007) Dissemination of OSH thru Mexican Consulate (2008) Gain OSH Benefits in Older Workers by Improving Their Sleep (PHP) (2009-12) Health & Hazard Surveillance Systems: Development & Analysis (2006) Emerging Issues in ORD Surveillance (1999-2015) NIOSH - Mortality Surveillance Occupational & Industry (1980-2010) NORA Surveillance Consultation (2007-2010) National Occupational Mortality Surveillance Study (NOMS II) (2009-13) Analysis of Medical Cost Records from Market Scan Database (2009) Occupational Supplement to the REGARDS Cohort Study (2009-13)	DESEFF: The Occupational Health supplement to the National Health Interview Survey. The OHS is in the field and data should be available in July 2011. We expect to receive interview data on ~3,000 current WRT workers.	Geoff, Sara Luckhaupt LARRY JACKSON CAROL STEPHENSON CLAIRE CARUSO JACEK MAZUREK MICHAEL FLYNN MICHAEL ATTFIELD CYNTHIA ROBINSON SIEBER
6.1.3 – Increase use of qualitative research	Changing Nature of Work (99-09) Stakeholder Practice to Research (P2R) Preventing Young Worker Injuries by Outreach to Community Health Clinics (PHP)		Lawrence Murphy DSHEFS
6.1.4 – Promote improved research through culturally sensitive tools	Integration of OSH Curriculum into USA High Schools (2010) Barriers to Occupational Injury Reporting by Workers (2009-13)		Aki Nakata
6.1.5 – Promote use of participatory research	Training to design age-friendly workplaces for retail work (PHP) P2R		James Grosch, Paula Grubb
6.1.6 – Forge new partnerships with stakeholders	021H: A Randomized Intervention in Collision Repair Shops (9086) Core OSH Training for New/Young Workers (2000-10) Dissemination of OSH thru Mexican Consulate (2008-12) Follow-up studies on occupational injury underreporting (2009-15)	Integration of OSH Curriculum into USA High School (2010-14)	LATA KUMAR Carol Stephenson
6.1.7 – Promote outreach to clinics and health departments	Dissemination of OSH thru Mexican Consulate (2008-12) Trade Sector Implementation (2005-15) Dissemination and Integration of OSH to Young Workers (2007-12)	PHP FY11 Preventing Young Worker Injuries by Outreach to Community Health Clinics	Sherry Baron MICHAEL FLYNN
6.1.8 – Expand research to understand problems of contingent workers	Dissemination and Integration of OSH to Young Workers (2007-12) 021H: Adverse Effects of Noise on Hearing: Basic Mechanisms (3973) 8875: Occupational Health Literacy, Socioeconomic Status & Work-Related Injury to Teens (9557)	PHP FY11 (2012)	Carol Stephenson