

Final Progress Report for Conference Grant
Project Title: Total Worker Health Symposium
Grant Number 1R13OH010389-01
Program Director/Principal Investigator: James A. Merchant

A. PROJECT NARRATIVE

The *Total Worker Health™ Symposium on Safe, Healthy and Cost-Effective Solutions* was held November 29-30, 2012. The Symposium convened all of the NIOSH Total Worker Health™ Centers of Excellence for a Healthier Workforce and NIOSH researchers to advance this critical research area. The symposium presented research-to-date from the NIOSH-funded Centers of Excellence and NIOSH intramural research, documented the benefits and challenges of integrated health promotion and health protection in the workplace, and identified research gaps in this field that need to be addressed. In all, over 120 people from 18 states and Washington DC were attendance (Figure 1).

Figure 1. States represented at the 2012 Total Worker Health™ Symposium.



Specific Aim 1: Together with members of the Program Planning and Peer Review Committee, complete a peer review and editing of all papers summarized in symposium presentations.

Specific Aim 2: To enter into a contract between the HWCE and either the *Journal of Occupational and Environmental Medicine*, or *American Journal of Industrial Medicine* to complete an independent peer review and publish the proceedings of the Total Worker Health Symposium within one year of the date of the symposium.

B. SPECIFIC AIM RESULTS

Specific Aim 1: Together with members of the Program Planning and Peer Review Committee, complete a peer review and editing of all papers summarized in symposium presentations.

A peer review and editing of all accepted papers summarizing symposium presentations was conducted from April-November, 2013. Those submitting abstracts for presentation at the Symposium not selected for a platform presentation by the Program Planning Committee were invited to present posters of their work. Not all presenters submitted manuscripts and not all manuscripts were accepted for publication after peer review.

Specific Aim 2: To enter into a contract between the HWCE and either the *Journal of Occupational and Environmental Medicine*, or *American Journal of Industrial Medicine* to complete an independent peer review and publish the proceedings of the Total Worker Health Symposium within one year of the date of the symposium.

The HWCE contracted with the *Journal of Occupational and Environmental Medicine* to publish the proceedings of the Total Worker Health™ Symposium within one year of the symposium. The “Total Worker Health Supplement” was pre-released on JOEM’s website on November 26, 2013, and officially released and made available free to the public on December 2, 2013.

C. SIGNIFICANCE

The JOEM Total Worker Health Supplement helps expand the research foundation needed for advancing the field of Total Worker Health and contains articles reviewing topics related to TWH, describes current research, and demonstrates how research is translated into practice.

D. OUTPUTS & AVAILABILITY

Publication

Merchant, J.A. Total Worker Health Supplement. *Journal of Occupational and Environmental Medicine*. 2013 (12S). Retrievable at <http://journals.lww.com/joem/toc/2013/12001>

Published manuscripts are outlined below in the order they appear in the supplement.

Foreword

Merchant, J.A., & Hall, J.L.

Welcoming Comments

Howard, J.

Commentary

Merchant et al. *A Conversation on Total Worker Health*

Introduction

Schill, A.L., & Chosewood, L.C. *The NIOSH Total Worker Health™ Program: An Overview*

Reviews

Sorensen, G., McLellan, D., Dennerlein, J.T., Pronk, N.P., Allen, J.D., Boden, L.I., Okechukwu, C.A., Hashimoto, D., Stoddard, A. & Wagner, G.R. *Integration of Health Protection and Health Promotion: Rationale, Indicators, and Metrics*

Punnett, L., Warren, N., Henning, R., Nobrega, S., Cherniack, M. & the CPH-NEW Research Team *Participatory Ergonomics as a Model for Integrated Programs to Prevent Chronic Disease*

Hammer, L.B. & Sauter, S. *Total Worker Health and Work-Life Stress*

Pronk, N.P. *Integrated Worker Health Protection and Promotion Programs: Overview and Perspectives on Health and Economic Outcomes*

Cherniack, M. *Integrated Health Programs, Health Outcomes, and Return on Investment: Measuring Workplace Health Promotion and Integrated Program Effectiveness*

Parkinson, M.D. *Employer Health and Productivity Roadmap™ Strategy*

Sepulveda, M.J. *From Worker Health to Citizen Health: Moving Upstream*

Research

Luckhaupt, S.E. & Sestito, J.P. *Examining National Trends in Worker Health With the National Health Interview Survey*

Umukoro, P.E., Arias, O.E., Stoffel, S.D., Hopcia, K., Sorensen, G., & Dennerlein, J.T. *Physical Activity at Work
Contributes Little to Patient Care Workers' Weekly Totals*

Rohlman, D.S., Parish, M., Elliot, D.L., Montgomery, D., & Hanson, G. *Characterizing the Needs of a Young Working Population: Making the Case for Total Worker Health in an Emerging Workforce*

Merchant, J.A., Lind, D.P., Kelly, K.M., & Hall, J.L. *An Employee Total Health Management–Based Survey of Iowa Employers*

Research-to-Practice

Hudson, H., & Hall, J. *Value of Social Media in Reaching and Engaging Employers in Total Worker Health*

Fethke, N.B., Merlino, L., & Gerr, F. *Effect of Ergonomics Training on the Agreement Between Expert and Nonexpert Ratings of the Potential for Musculoskeletal Harm in Manufacturing Tasks*

Robertson, M., Henning, R., Warren, N., Nobrega, S., Dove-Steinkamp, M., Tibirica, L., Bizarro, A. & the CPH-NEW Research Team *The Intervention Design and Analysis Scorecard: A Planning Tool for Participatory Design of Integrated*

E. PUBLICITY & REACH

An announcement was shared with all symposium participants, presenters and to over 1200 people and organizations in the Healthier Workforce Learning Network distribution list. An official press release was sent to the University of Iowa College of Public Health Communications Department who shared it with their Iowa media list, which includes over 100 print, radio, and TV outlets across the state. The press release was also shared with NIOSH TWH™ Centers of Excellence Center Directors, the NIOSH Total Worker Health™ Program, the American College of Occupational and Environmental Medicine (ACOEM) and the Journal of Occupational and Environmental Medicine (JOEM) for tailoring before release. The NIOSH Total Worker Health™ Program posted the release on the NIOSH Update on December 9th at <http://www.cdc.gov/niosh/updates/upd-12-09-13.html>. The release and/or an announcement also appeared in the following:

- The Association of Schools and Programs of Public Health (ASPPH) Friday Letter on December (http://fridayletter.aspph.org/article_view.cfm?fl_index=20&fle_index=1058): The readership exceeds 150,000 and goes to federal funding program officers, legislators, and other stakeholders

- ACOEM's monthly E-News: It was the lead article and included the link to the JOEM website. Sent to entire membership of approximately 4,400 physicians.
- College of Public Health (CPH) News Digest (<http://www.public-health.uiowa.edu/media/digest/2013/121313.html#n1>): CPH weekly electronic news digest delivered to almost 1,000 alumni, faculty/staff, and friends of our college
- Iowa Now (<http://now.uiowa.edu/2013/12/keeping-employees-healthy-and-productive>)
- Resources for Life at <http://www.resourcesforlife.com/docs/item9183>
- College of Public Health home webpage
- JOEM's home webpage and at <http://journals.lww.com/joem/toc/2013/12001>: As of 1/10/14 the site had received 747 total visits; 613 unique visitors; 1,208 pages views and 79 full text views
- ACOEM website: Total page views not available but the press release that was posted on the site received 18 unique visitor hits
- ACOEM Twitter Page: 929 followers
- NIOSH LinkedIn Group: 582 members
- NIOSH Twitter Page: 569 followers
- HWCE Twitter Page: 30 followers
- Other NIOSH TWH™ Centers of Excellence social media networks
- Google Alerts: For those tracking "total worker health"