

Variations in industry compliance with the Occupational Safety and Health Administration (OSHA) bloodborne pathogens (BBP) standard in the U.S.

Chen GX and Jenkins EL. The National Institute for Occupational Safety and Health, Division of Safety Research, Morgantown, WV 26505

Background: In 1992, OSHA issued the BBP standard requiring employers to provide annual training, personal protective equipment (PPE), and hepatitis B vaccination to all employees with potential occupational exposures to BBPs.

Methods: Telephone interviews were conducted with workers who had work-related exposures to blood or other at-risk biological substances treated in hospital emergency departments (EDs) from March 1, 2000 to August 31, 2001. The workers were identified through the National Electronic Injury Surveillance System, a stratified probability sample of hospital EDs in the U.S. and its territories.

Results: Of the 593 completed interviews, 377(64%) were from hospitals, 51(9%) from emergency medical service (EMS)/firefighting, 74(12%) from other healthcare settings (i.e., doctors' office, nursing homes, etc.), 22(4%) from law enforcement, and 69(12%) from non-healthcare settings (i.e., schools, hotels, etc.). Significantly fewer workers in non-healthcare settings (59%; $p < 0.0001$) reported that BBP training was available in their workplaces compared to hospitals (94%), EMS/firefighting (90%), other healthcare settings (85%), and law enforcement (86%). There were significant differences in worker reported PPE use at the time of exposure with only 25% from law enforcement and 36% from non-healthcare settings compared to 79% for hospitals, 80% for EMS/firefighting, and 57% for other healthcare settings. Workers from hospitals (84%), EMS/firefighting (92%), other healthcare settings (81%), and law

enforcement (86%) were much more likely to report that hepatitis B vaccination was available in their workplaces compared to non-healthcare settings (57%; $p < 0.001$).

Conclusions: This study suggests that there is great variation in compliance with the OSHA BBP standard, especially in non-healthcare settings.

- Examining Imagery and Individualism-Collectivism in Workplace Violence Prevention. *Sherrilyn Robertson, BA, USA*. Coauthors: *Jennifer Wellbourne, PhD; Joseph Scotti, PhD*
- Culture and Family: Targeting Health Communication to Hispanics. *Chris Hawkins, PhD, USA*

Hazard Recognition and Risk Communication Tools: Examples from Mining, Construction, and Emergency Response

Hopkins Room

Lower Lobby Level

Moderator: *Ted Scharf, PhD, USA*

- Introduction: Hazard Recognition and Risk Communication Tools: Examples from Mining, Construction, and Emergency Response. *Ted Scharf, PhD, USA*. Coauthors: *Kathleen Kowalski, PhD; Bill Wiehagen, MS, CMSP; Raja Ramani, PhD, PE, CMSP; G.T. Lineberry, PhD*
- Hazard Recognition: Fall Prevention in Construction. *Raja V. Ramani, PhD, PE, CMSP, USA*. Coauthors: *Joseph Flick, MS, CMSP; Mark Radomsky, PhD, CMSP; Garold Russell, BA, CMSP; Bobbie Calhoun, MEd; John Haggerty; Kathleen Kowalski, PhD; Lynn Rethi, MS, CMSP; Carol Merry Stephenson, PhD; Bill Wiehagen, MS, CMSP; Ted Scharf, PhD*
- Ladder Simulation Exercise for Construction, Mining, and Other Industries. *Bill Wiehagen, MS, CMSP, USA*. Coauthors: *Raja V. Ramani, PhD, PE, CMSP; Bobbie Calhoun, MS, CMSP; Joseph Flick, MS, CMSP; Mark Radomsky, PhD, CMSP; Garold Russell, BA, CMSP; John Haggerty; Kathleen Kowalski, PhD; Lynn Rethi, MS, CMSP; Carol Merry Stephenson, PhD; Bill Wiehagen, MS, CMSP; Ted Scharf, PhD*
- Progress Toward A Multi-use Educational Intervention for Reducing Injury Risk in the Set-up and Use of Extension Ladders. *G. T. Lineberry, PhD, USA*. Coauthors: *Bill Wiehagen, MS, CMSP; Ted Scharf, PhD; Mike McCann, PhD, CIH*
- Discussant. *Henry P. Cole, EdD, USA*

The Importance of Risk Communication

Schaefer Room

Lower Lobby Level

Moderator: *Marilyn Null, BA, USA*

- The Washington, DC War-Related Illness and Injury Study Center (WRIISC): A Comprehensive Approach to Caring for America's War Veterans., *Hang Kang, DrPH, USA*. Coauthors: *Mitchell T. Wallin, MD, MPH; Aaron I. Schneiderman, PhD, RN, MPH; Andrew B. Lincoln, ScD, MHS; Michelle K. Prisco, ANP-C, MSN*

- Health and Safety - The Hidden Aspects of Call Centers. *Sunita Kaistha, MPhil, PhD, India*
- Post Traumatic Stress and the Work Place: Experiences of the 2001 Foot and Mouth Disease Epidemic. *Ian Convery, RN, BSc (Hons), MSc, United Kingdom.* Coauthors: *Maggie Mort, PhD; Josephine Baxter, Cathy Bailey, PhD*
- A Risk-Communication Revolution: Process Versus Event. *Marilyn Null, BA, USA*
- Variations in Industry Compliance with the OSHA Bloodborne Pathogens (BBPs) Standard in the US. *Guang Xiang Chen, MD, MS, USA.* Coauthor: *E. Lynn Jenkins, MA*

Training Issues in the Mining Industry

Pratt 'B' Room

Lower Lobby Level

Moderator: *Gabriela Moreno, MD, Chile*

- Learning from the Master: Effective Training for Miners. *Elaine Cullen, BA, MBA, CMSP, USA*
- Biologically Effective UV B Doses in Miners at High Altitude in Northern Chile, SA. *Gabriela Moreno, MD, Chile.* Coauthor: *Sergio Cabrera, PhD*
- Toolbox Training for Sand and Gravel Miners. *Lani Boldt, MS, CMSP, USA.* Coauthor: *Floyd Varley*
- Evaluating the Role of Positive and Negative Emotion in Promoting Hearing Conservation Behaviors Among Coal Miners. *M. Stephenson, PhD; USA.* Coauthors: *Charles Vaught, PhD, CMSP; K. Witte, PhD,*
- A Training Strategy that Involves All Employees in Workplace Communication/Risk Management. *Launa Mallett, PhD, USA.* Coauthors: *Michael J. Brnich, Jr., CMSP; Charles Vaught, PhD, CMSP*

Curriculum Development in Occupational Health and Information Effect

Calhoun Room

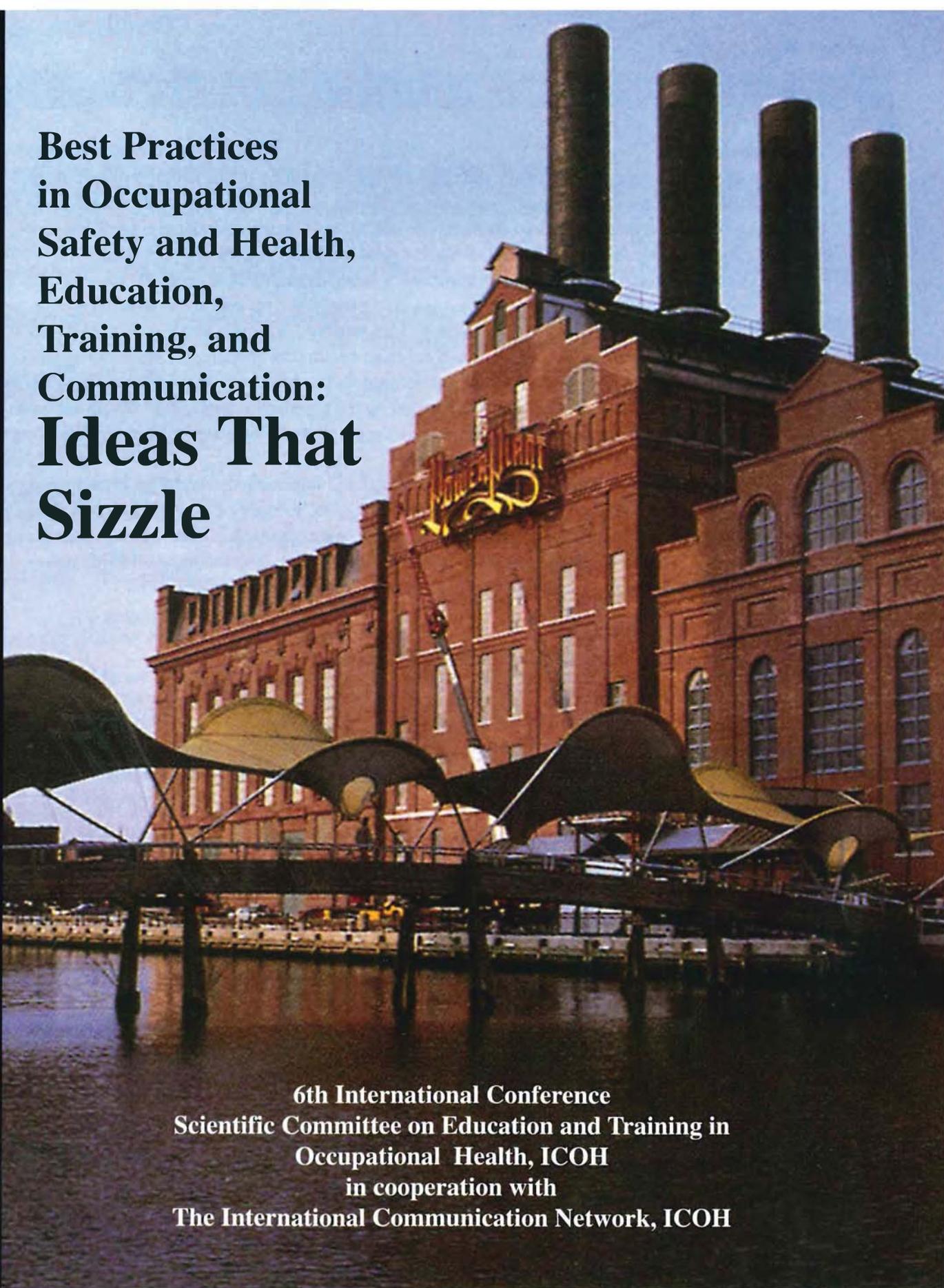
Cabana Level, South

Moderator: *Raphael Masschelein, MD, PhD, Belgium*

- Curricula Development for Agricultural Occupational Health: The Kentucky Experience. *Robert McKnight, MPH, ScD, USA*
- Towards a Harmonised Training Program for Occupational Health Physicians in Europe: The Ambitions and Limitations of EASOM. *Raphael Masschelein, MD, PhD, Belgium*
- Core Curriculum for an Occupational Medicine Specialization Course. *Jose Miguel Ramos, MD, Mexico.* Coauthor: *Silvia Ramirez, MD*
- Training Information of Different Complexities. *Natalia Bobko, PhD, Ukraine*

October 28-30, 2002 • Baltimore, Maryland, USA

**Best Practices
in Occupational
Safety and Health,
Education,
Training, and
Communication:
Ideas That
Sizzle**



**6th International Conference
Scientific Committee on Education and Training in
Occupational Health, ICOH
in cooperation with
The International Communication Network, ICOH**



NIOSH