# Oregon Healthy Workforce Center

**FY24 Annual Report** 

October 1, 2023-September 30, 2024





Oregon Healthy Workforce Center is a National Institute for Occupational Safety and Health (NIOSH)

Total Worker Health® Center of Excellence

[Grant: NIOSH U19OH010154]



#### **OREGON HEALTHY WORKFORCE CENTER (OHWC)**



Leslie Hammer, PhD CENTER DIRECTOR



Anjali Rameshbabu, PhD CENTER MANAGER

Brad Wipfli, PhD COMMITTEE CHAIR



Todd Bodner, PhD RESEARCH DESIGN AND ANALYSIS LEAD



Established in 2011, OHWC is housed within the Oregon Institute of Occupational Health Sciences ("Institute") at Oregon Health & Science University (OHSU).

#### **ADVISORY BOARD**





Ronald L. Tubby, MS, MBA, CIH, CSP Senior Program Manager/Corporate Environmental Health & Safety, Intel Corporation; Chair of the Board



Pamela Ahr, CSP, ARM, MBA Director, Safe and Healthy Workplace Center at SAIF



Jay Kim, PhD Associate Professor, College of Health, Oregon State



Tom Becker, MD, PhD Medical Epidemiologist, Member at NPAIHB



Casper Bendixsen, PhD





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President-Business Representative, Amalgamated Transit



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Director, Oregon OSHA, Dept. of Consumer and Business



Laura Chisholm, PhD, MPH, MCHES

Section Manager, Injury & Violence Prevention, Oregon Health Authority



Beth Gray, DNP, RN, COHN-S, NE-BC

System director of practice, employee safety and well-being, St. Luke's Health System, Idaho (Retired)



**Liu-Quin Yang** 

PhD, Professor, Organizational Psychology, Portland State



Interim Director, Workers' Compensation Division (DCBS)



#### Christopher Simpson, PhD,

Professor, Director of Education and Research Center, **University of Washington** 



#### Robert Sinclair, PhD

**Professor, Clemson University** 



#### Joaquin Diaz

Sr Construction EHS Manager, Microsoft

#### **OUR MISSION**

Advance worker safety, health, and well-being through research, education, outreach, and dissemination.

#### **OUR THEME (2021-2026):**

Total Worker Health intervention effectiveness, translation, and outreach to advance safe and healthy work design



#### **OHWC OUTREACH TEAM**

A dynamic outreach program serves to advance the outreach, education, and dissemination goals of OHWC and our Institute. Click to learn more.



**Shaun McGillis** Senior Communications



Erin Flynn **Director of Outreach** 



Danielle Horgan Project Coordinator



Amy Spring Senior Outreach & **Dissemination Specialist** 



**Phoenix Rain Bird** Senior Research Associate



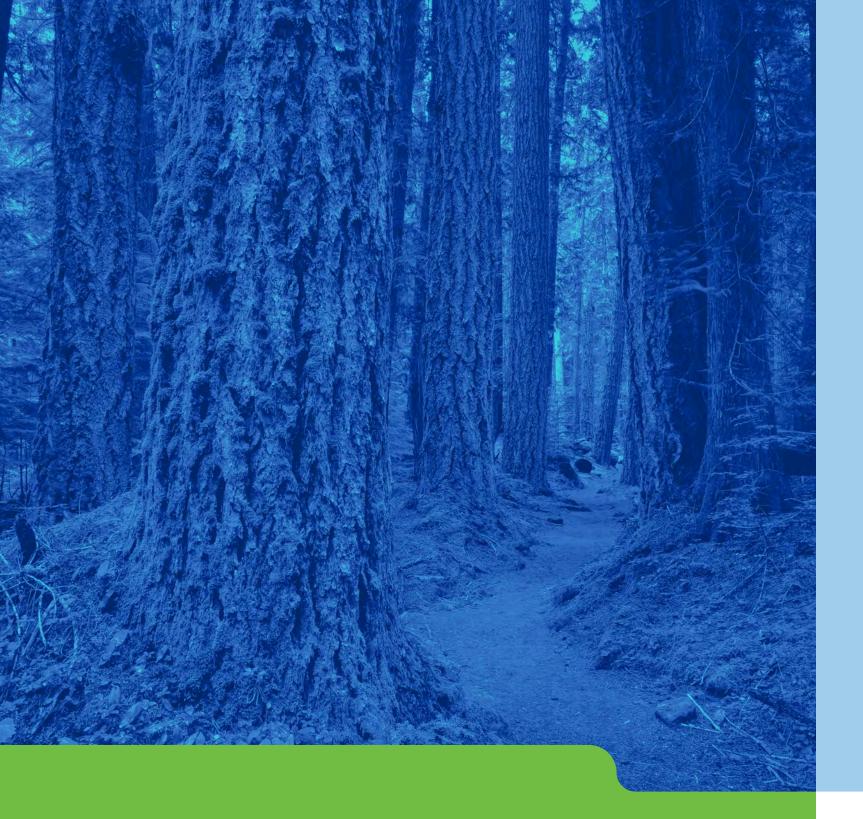
Katia Costa-Black Senior Manager for Education and Partnerships and OHWC **Outreach Core Co-Lead** 



Anjali Rameshbabu OHWC Outreach Core Co-Lead

#### **ACRONYMS**

**Oregon Healthy Workforce Center (OHWC) Oregon Institute of Occupational Health Sciences (Institute) Total Worker Health (TWH)** 



RESEARCH FOCUSED ON WORKER SAFETY, HEALTH, AND WELLBEING (Click each lab to learn more)



Nicole Bowles lab



Emily Huang lab



David Hurtado lab



Ryan Olson lab



Leslie Hammer lab

**Highlighting Impact:** 

RESEARCH

OHWC's Research Core is comprised of core projects and a Pilot Project Program. In addition, our portfolio includes research projects that focus on *Total Worker Health* within the Oregon Institute of Occupational Health Sciences.



# A Natural Experiment for the Impact of Work Schedule on Cardiovascular Health and Safety in Firefighters (SWIFT)

(Shiftwork in Firefighters)

Principal investigator: Dr. Nicole Bowles



**What SWIFT is about:** Designed to address firefighters' intense shiftwork schedules and their negative consequences on their health and time with family, the SWIFT project is examining the impacts of two types of work schedules on firefighter safety, stress, sleep, and cardiovascular disease risk – the 24/48 (hours on/off) versus 1/3/2/3 (#day on/off) work schedule. **Click to learn more.** 

# Work-Life Check-Ins: A *Total Worker Health*Supervisor-Driven Burnout Intervention (WLCI)

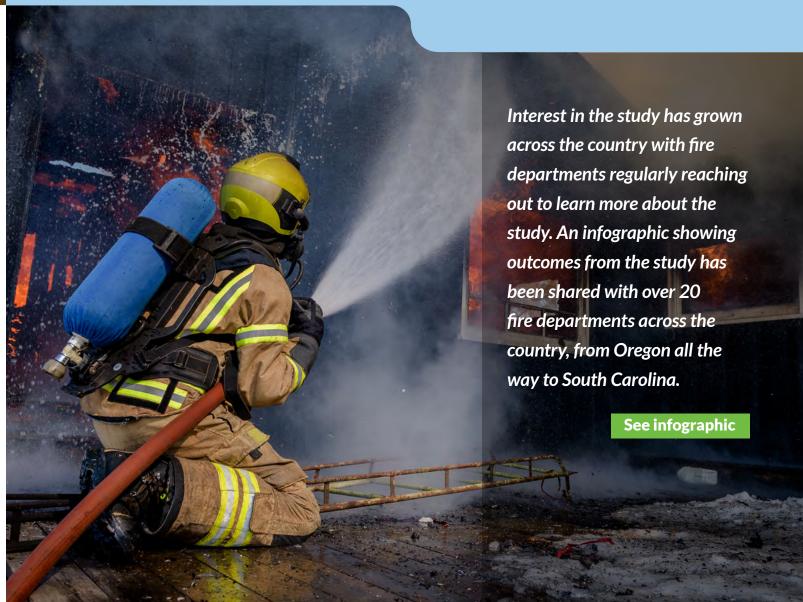


Principal investigators: Drs. David Hurtado and Abigail Lenhart

What WLCI is about: Designed to address elevated levels of burnout in the healthcare industry, the Work-life Check-ins intervention study is testing the effectiveness of brief (30 min), periodic (once per quarter or semester) one-on-one confidential meetings between team leaders and their team member. Click to learn more.

The study team has started to distribute intervention-related resources to clinic leaders who were randomized to wait-list control conditions. These resources include a) web-based training modules on the rationale and instructions to conduct the check-ins, b) templates and one-pagers with condensed instructions, and c) one-pagers with well-being resources accessible to employees through their employment benefits.

Study interviews and surveys are under way with primary care clinic leaders and employees, and we are learning about burnout and workforce well-being challenges amid a troubling post-pandemic financial horizon in the healthcare industry.



# COMmunity of Practice and Safety Support for Navigating Pain

(COMPASS for Navigating Pain COMPASS-NP)



Principal investigator: Dr. Ryan Olson

What COMPASS-NP is about: Building on the success of the original COMPASS in OHWC's 2011-2016 cycle, the COMPASS-NP study is examining the effectiveness of a special version of the intervention adapted for workers with chronic pain. The program integrates increased ergonomic protections with pain education and cognitive-behavioral pain self-management strategies. The overarching goal of the program is to prevent the progression of pain and its related problems, including work-related disability and opioid use/misuse. *Click to learn more*.



In the COMPASS-NP pilot study in Washington state home care workers experienced large and moderate reductions in the degree to which pain interfered with their life and work, respectively. Home care workers also substantially increased their use of ergonomic tools and techniques, thereby decreasing their chances of injury or re-injury.

#### **SEIU 775 BENEFITS GROUP**

(COMPASS-NP's study partner) shared the importance of the study on their blog:

Click to read blog.

**EXPLORE OUR RESOURCES** 

### **TESTIMONIALS:**

"This experience for me was awesome. I think the weekly meetings were perfect and the support and ideas within the group was amazing. If something like this was offered on a regular basis I would definitely want to participate." – *Caregiver 1* 

"I just want to say thank you so much! The entire program has really helped me understand ways to help and change my day-to-day behavior and thinking to a more positive way. It's really improved how I interact with myself and others!"

- Caregiver 2

"I think it should be part of the core caregiving classes. It was very helpful." - *Caregiver 3* 

# **Development and Validation of a Total Worker Health Climate Scale**

TWH CLIMATE SCALE

Principal investigator: Dr. Emily Huang

What the TWH Climate Scale study is about: Building on Dr. Huang's longstanding work on safety climate assessment and pre-existing safety climate scales, this now completed study resulted in the *Total Worker Health* Climate Scale, a tool that can be used by employers to gain critical insights into workplace outcomes across all safety, physical health, and well-being domains, and allow organizations to make data-driven decisions about their identified strengths and opportunities for improvement. Click to learn more.

The study team completed data collection, analyzed the results, and finalized both the full scale and short scale for measuring the organizational-level TWH climate. Manuscripts are currently under review with the goal of sharing them with the community. The team is also working on developing a TWH climate scale specifically applicable at the group level.





At OHWC, we strive to improve worker well-being by helping organizations prioritize physical and psychosocial safety at the workplace, design safe and healthy work, and develop positive work experiences. Our research often takes us to the worksite, where we meet with organizational leaders, managers, and workers across industries.

**VIEW OUR FY24 PUBLICATIONS** 

#### PILOT PROJECTS (2023-2024)

#### **Prevent Aggression and Support Safety** in Work and Life (PASS)

Principal investigators: Drs. Liu-Qin Yang and Nan Yragui

What PASS is about: This pilot is part of the larger PASS intervention study that is geared toward preventing patient aggression, reducing staff burnout, and improving safety, retention, job satisfaction, and well-being among nurses.

The qualitative study highlighted creative ways in which supervisors help their staff cope with stressful hazards like patient aggression; these include volunteering outside of work, sending weekly emails to employees with new resources, and working out together with staff outside of work.

#### Some quotes from the study include:

"For me, [upon experiencing stressful incidents at work] I tend to be more withdraw, and I would kind of dwell on the situation. For a while, I went out with friends. On the suggestion of my manager, I started doing some volunteering so that I got some other exposure to the community other than work. And so I think that was very beneficial."

Many interviewees (nurses) described the "white coat effect", where patients tend to behave more respectfully around doctors versus nurses, and suggesting that it would be important for supervisors, teams, and hospital management to be aware of this effect so that doctors can also aid nurses to prevent aggression from patients.

"... a lot of times I'm actually talking to DR clinics, and he and I were discussing roles and he feels like doctors are wanting too much into the nursing and the nursing environment control, because that's one of the things that we're supposed to be in charge of is to create safe environments for patients. It feels like physicians step in and then decrease our authority over that environment, that physical space and inadvertently creates these dangerous situations because they are not on the floor all the time. They have the "white coat" to protect them, which is usually the case."





#### **Enhancing Total Worker Health through Supervisor-Level Culture and Climate Mobile Training Intervention Programs**

Principal investigator: Dr. Emily Huang

What the study is about: The pilot project aims to complete the development of the TWH Climate Scale at the supervisor-level, and create a TWH climate training and subsequent behavioral-tracking process for supervisors.

The organizational-level assessment for the TWH Climate scale is fully validated. The supervisor-level TWH Climate scale is in the process of its final validation. Additionally, Safety Climate and TWH Climate trainings have been developed with both a general training for all workers as well as a supervisor-level training with a behavioral-tracking component. These have been piloted with participating organizations.

**Testimonial:** "As a supervisor, I've taken lots of unique in its people-focused nature. I appreciate how trust. People spend most of their time at work, so Jason R., Environmental Health and Safety

it's great to have a training that feels modern and regulatory and job-specific trainings, and this Total shows how workplace culture can improve workers' Worker Health® Culture Training for Supervisors is safety, health, and well-being at the same time. I wish everyone had a chance to take a training like this, it shows supervisors the importance of caring about because I feel it helped me better understand how their team, improving communication, and building to take care of my team members as well as myself."

#### **Highlighting Impact:**

### SCIENCE TO ACTION

#### **Oregon Public Health Program**

Occupational Public Health Program (OPHP), another NIOSH-funded program, is focused on conducting research and developing robust surveillance systems. OPHP reports on specific occupational health indicators and through its Oregon Fatality Assessment Control and Evaluation project (OR-FACE), conducts investigations of fatal occupational incidents to assess risk factors that include the working environment, the worker, activity, tools, energy exchange, and role of management.

Learn about OPHP

#### **COMPASS training**

COMPASS, OHWC's training from an earlier cycle, is a peer-led social support group intervention designed to improve social resources, reduce the risk of injuries and promote health among caregivers. A total of *615 workers have taken the COMPASS training* with 110 completing the course in 2024. COMPASS, which has been adopted by the Oregon Home Care Commission and translated into Spanish and Russian, is now also available in Mandarin, Cantonese, and Vietnamese.

Go to the training

#### **Workplace Mental Health Training (WMHT)**

WMHT is a one-hour, evidence-based program where managers learn tangible, work-appropriate skills to improve employee mental health and well-being. WMHT has seen significant uptake among employers.

- WHMT has been adopted by 9 Oregon state agencies.
- 2,000 training seats have been licensed by federal and state agencies, universities, and private organizations.
- Through Oregon Department of Administrative Services'
   Workday System, WHMT is available to 45,000 employees.
- More than 200 managers have completed the training at OHWC's home university, OHSU.

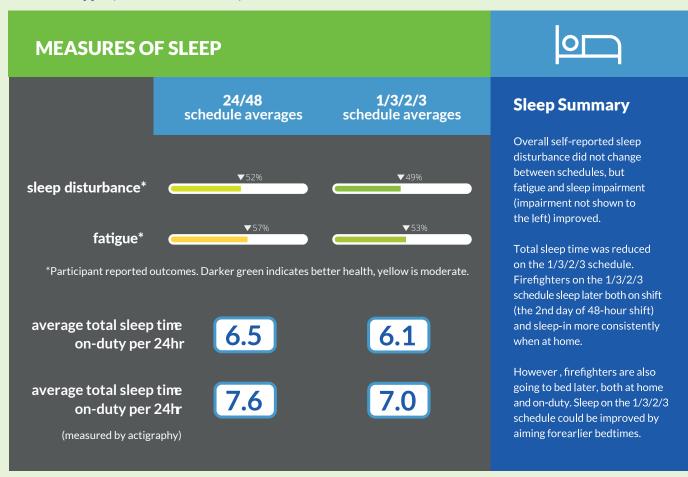
Go to the training

#### **SWIFT** project

An infographic was generated from the SWIFT project, which has been shared with over 20 fire departments across the country.

See full infographic

Infographic compares cardiovascular risk factors, well-being, health behaviors, and safety by schedule type (1/3/2/4/ vs 24/49)



**EXPLORE OUR RESOURCES** 

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#### **Highlighting Impact:**

# OUTREACH and REGIONAL PRESENCE

Target Audience: Occupational health and safety professionals, Human Resource personnel, business leaders, academics, health educators, healthcare industry professionals, benefits and insurance, students, construction industry leaders and professionals

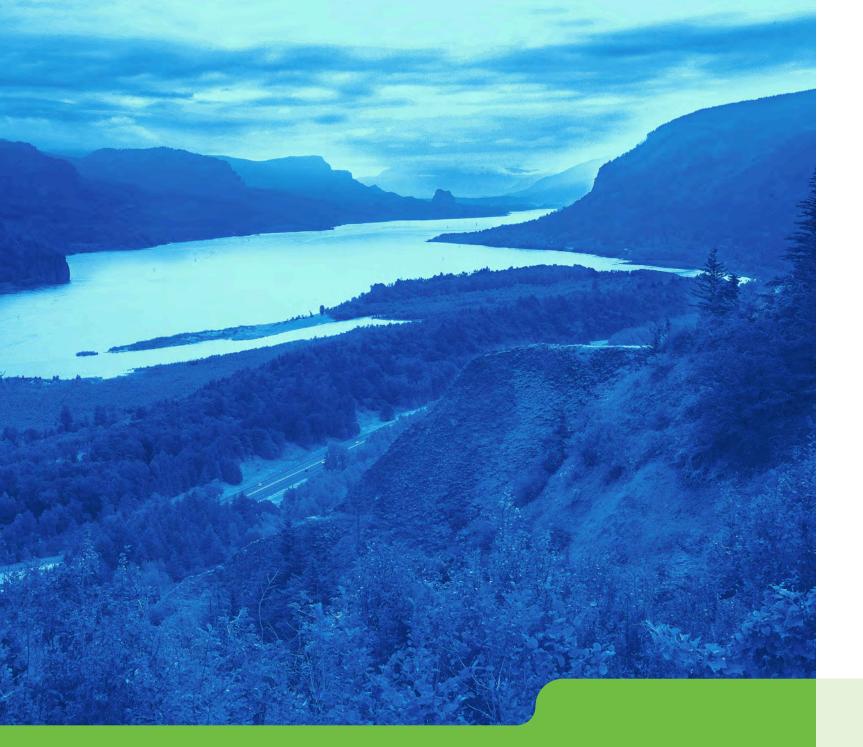
## Our team has disseminated practitioner-oriented tools and trainings at various events during FY24.

- American Physical Therapy Association -Annual Combined Sections Meeting
- Annual Workers' Compensation Conference 2024
- Association of WA cities Healthy Worksite Summit
- ASSP Safety 2024 Conference and Exposition
- BETA Healthcare Group Annual Member Symposium
- Cascade Occupational Safety & Health Conference
- International Society for Agricultural Safety and Health Conference (ISASH; June 2024), Portland, OR (OHWC also served on the planning committee)
- National Association of Occupational Health Professionals National Conference
- Oregon Public Health Association
- OSHA Spanish Language Safety & Health Conference
- National Association of Occupational Health Professionals National Conference

- NW Human Resource Management Association meeting
- Oregon OSHA Mid-Oregon Construction Safety Summit
- Oregon Public Health Association
- Oregon Workers Compensation Educational Conference
- OSHA Northwest Safety & Health Summit-VPPPA Region X
- OSHA Spanish Language Safety & Health Conference
- Puget Sound Chapter of the Human Factors and Ergonomics Society Annual Symposium
- SafeBuild Alliance Member Quarterly Meeting: Total Worker Health
- Southern Oregon Occupational Safety & Health Conference
- 2024 Strategic Management Conference
- Wellbeing Think Tank Summit
- Western Pulp, Paper, and Forest Products Safety & Health Conference

OHWC delivers talks that are geared toward sharing our research and resources.

**VIEW OUR LIST OF FY24 TALKS** 



#### **Total Worker Health Certificate Program**

Currently in its second year, this certificate program is designed to provide working professionals and students with an understanding of the TWH approach. A partnership\* of the OHWC with the University of Washington (UW), the program comprises a set of online and onsite continuing education courses.

SPOTLIGHT: Aaron Leftwich is the first graduate of the TWH Certificate Program.

#### Read more about Aaron's experience

".... Part of my role involves risk management; to be effective in this endeavor, at least a reasonable amount of focus must be given to trends in the work environment. TWH takes a deep dive into the particulars of this trending and provides solutions on how to best serve members of the occupational environment while presenting best efforts to avoid contributing to trends away from desired and successful targets."

-Aaron Leftwich



Aaron Leftwich, Safety Program Manager for the Road Services Division of King County Department of Local Services, WA

### **Highlighting Impact:**

# EDUCATION

#### **Total Worker Health Advancing Well-being in the Workplace**

This is a required course within the TWH Certificate Program\*, led by the **University of Washington's**Northwest Center for Occupational Health and Safety, an OSHA Training Institute Education Center and also a NIOSH-funded Education and Research Center, along with OHWC, Portland State University, and our Institute. In this reporting period, **34 working professionals** have completed this course. **Click to learn more**.



#### **Oregon Total Worker Health Alliance Curriculum**

We continue to deliver a robust curriculum of courses through the historic Oregon *Total Worker Health* Alliance, a partnership between OHWC's home, the Oregon Institute of Occupational Health Sciences, SAIF (a NIOSH-TWH Affiliate), and Oregon Safety and Health Administration (Oregon OSHA). *Click to learn more*.



#### TWH 101: The Basics (3-hour)

The goal of this training is to introduce key concepts and the five defining elements of TWH and prepare participants to develop initial steps to implement TWH in their organization.

#### Delivered to: 78 professionals

TESTIMONIAL: "Liz and Katia, your TWH 101 training was amazing—full of MANY invaluable resources, including free training opportunities & evidence-based metrics, I am 100% confident will benefit all 9 divisions of our OHA workforce..."

Virtual TWH 101, April 2024

#### TWH Awareness: (1.5-hour)

The goal of this workshop is to introduce the topic of TWH approach to a variety of professional groups, and motivate an interest in advancing health, safety and well-being outcomes.

#### • Delivered to: 191 professionals

TESTIMONIAL: "Thank you for bringing into the conversation the many aspects that go into TWH. We have lots of opportunities in helping change our work environments for the better – considering the well-being in many ways is key."

SafeBuild Alliance Meeting, March 2024

#### **TWH Workplace Solutions (3-hour)**

The goal of this training is to demonstrate evidence-based TWH solutions and promising practices and help participants to develop an initial action plan to implement TWH in their organization.

#### Delivered to 20 professionals

TESTIMONIAL: "Excellent idea to share experiences from participants. What's worked and what hasn't. Nice job in providing QR codes and resources to understand TWH approach."

Cascade OSH Conference March 2024

#### **TWH Train-the-Trainer (8-hour: 4 sessions of 2-hour each)**

The goal of this training is to provide participants with the preparation needed to bring TWH instruction to their organization and enhance their confidence to facilitate the TWH 101 training.

#### • Delivered to 15 professionals

**TESTIMONIAL**: "Greatly appreciate your passion and knowledge of the subject and the wise counsel you have provided to Oregon State University for development of our TWH initiatives."

Virtual Session August 2024

#### **NEW!! TWH Awareness for Safety Committees (1.5-hour)**

Requested by Oregon OSHA and delivered since November 2023.

Similar to the TWH Awareness education, it focuses particularly on what safety committee members can do to recognize, brainstorm, and manage a range of workplace hazards including psychosocial hazards.

#### Delivered to 115 professionals

TESTIMONIAL: "Gave a lot of useful information that can be taken back to help with communication.

Opened my eyes to what Total Worker Health meant—not just at work, but home also."

Western Pulp, Paper and Forestry Products Safety Conference Nov 2023

#### **Working Well: New Webinar Series!**

**Working Well** is a bi-monthly webinar series

that highlights unique and shared challenges impacting workers across industries.

Kick-off webinar

Too Hot to Work:

How to Protect Workers from

Extreme Heat and Poor Air Quality

## Integrating TWH into Masters of Public Health Curriculum

Dr. Katia Costa-Black delivered the course Occupational Health (ESHH 521/621: Winter 2023), which focuses on the TWH approach. This is required for the MPH degree at the School of Public Health, OHSU (4 credits).

#### Fall 2023 Symposium

Protecting Worker Health in Hazardous Occupations

93 attendees; event quality was 4.7/5

91% of those surveyed indicated that they were "likely or somewhat likely to use what they learned in their personal life"

#### **Student Learning**

Kali Kuhn was a summer intern with Emily Huang. Kali's project was Research to Reality: Safety Climate Scale to Examine and Improve Safety.

Ayeisha Haswarey is a student worker on the SWIFT project, led by Nicole Bowles.





Justin Molocznik, Director of Safety & HR for JTM Construction WA

#### SPOTLIGHT

**Justin Molocznik, MS, CSP, CHST:** 

Justin completed the 26 hour Advancing Well-being course as well as the Trainthe-Trainer course offered by the Oregon Total Worker Health Alliance. With this advanced training in TWH, Justin is not only equipped to bring the TWH perspective to the construction company where he works in Seattle, Washington, but can also deliver TWH education to large audiences of safety professionals on behalf of the OR TWH Alliance.

Read Justin's article about his experience with TWH.

#### **SEE OUR FY24 OUTPUTS & ACTIVITIES**

#### **Awards and Recognitions**

Emily Huang received two awards in 2024: the Valerie Palmer Global Health Neurology Diversity Research Award and the Third World Medical Research Foundation Supplemental Research Diversity Award

Jackie Boyd, project manager on the WLCI project is a Delegate at Large at the Columbia-Willamette Chapter of the American Society of Safety Professionals.

OHWC Center Director, Leslie Hammer received the inaugural *Impact Award for Applied Research*. The Impact Awards recognize Institute faculty for research that has the potential for positive impacts on workers in Oregon and beyond.

#### **National Leadership Appointments**

OHWC Director, Leslie Hammer was appointed to the Board of Scientific Affairs at the American Psychological Association, the primary advisory board for the APA's Science Directorate.

Center faculty member, Associate Professor **Emily Huang** received an appointment to the NIOSH
Board of Scientific Counselors, a federal advisory
committee providing advice to the NIOSH director.

#### **EXPLORE OUR RESOURCES**

#### Highlighting impact:

## SELECTED PARTNERSHIPS

#### **Oregon Bureau of Labor and Industry (BOLI)** and Oregon Department of Transportation (ODOT)

BOLI and ODOT are partnering with OHWC's home Institute on the development of the Respectful Workplace Initiative (RWI) with Institute faculty member Dr. Emily Huang. RWI is a multi-year projects that supports BOLI's goal of developing and retaining a diverse workforce in the **owners**, construction industry, with the ultimate goal to repository of evidence-based resources.

The Respectful Workplace Climate Scale has been successfully validated in both construction and general worker samples.

The RWI team completed a literature review to identify evidence-based practices for training on respect, civility, anti-harassment, and DEI, and conducted indepth interviews with key partners including public contractors. unions. and matter experts, which provided valuable insights develop the Respectful Workplace Climate Scale into how industry stakeholders are implementing (scienti ically validated and predictive tool that respectful workplace practices in their contract and measures employees' perceptions of company procurement processes, policies and procedures, policies, procedures, and practices as they and training and education. All of this will serve relate to building a respectful workplace), and the to inform our development of our training and Respectful Workplace Resource Hub, an online educational resources for a respectful workplace. Learn about RWI.

#### **Society for Total Worker Health**

OHWC serves as a founding member of the Society for Total Worker Health (S4TWH), a collaboration of the NIOSH TWH Centers, government, community and advocacy groups, industry, labor, interdisciplinary representatives, and professional network groups, and will "serve as a hub and community for sharing new and innovative ideas to expand TWH research,

training, education, dissemination, and real-world solutions." Anjali Rameshbabu serves as an advisory member and Katia Costa-Black serves on the Events Committee and contributed to the development of the Society's Code of Ethics document. Katia on code of ethics and member of the Events Committee. Learn about S4TWH.

#### **Wellbeing Think Tank**

Launched in 2023, the Wellbeing Think Tank (WTT) is a workplace well-being group that brings together academics and practitioners with the goal to facilitate information sharing and networking, disseminate evidence-based resources, and help educate employers best practices in workplace well-being. Anjali Rameshbabu serves on the advisory board and co-leads its WTT Connected events, which include The importance of Self Care for Workplace Wellbeing Professionals; Making the Business Case for Well-being; and Addressing Emerging Trends in Workplace Wellbeing. Learn about WTT.

#### **OHSU**

We continue to support internal well-being initiatives at OHSU, the university home of OHWC and the Institute. OHWC Director, Leslie Hammer serves on the Well-being Collaborative at OHSU, and her evidence-based leadership training has been completed by over 200 leaders at OHSU.

Additionally, Anjali Rameshbabu has co-facilitated three cohorts of the OHSU Camaraderie Groups. an initiative based on a national model that aims to build connection and community at OHSU. The camaraderie groups are part of a pilot study, whose early results show increased belonging, decreased stress, and decreased burnout in participants, compared to those not engaged in the groups.

#### **CONFERENCE AND WORKSHOP PARTNERSHIPS**

Work, Stress, and Health 2025: Anjali Rameshbabu is participating in the planning of the Work, Stress, and Health 2025 conference.

TWH Symposium 2025: Anjali Rameshbabu serves as science co-chair and planning committee member of the International Symposium to Advance Total Worker Health.

Alaska Safety Alliance Workshop May 2024: In partnership with Nancy Simcox (University of Washington), Katia Costa-Black presented a 2.5 hour workshop titled "Practical Application and Importance of *Total Worker Health* in the Workplace" in Anchorage, AK.

International Society for Agriculture Safety and Health (ISASH), June 2024 — Katia Costa-Black and Anjali Rameshbabu served on the event planning committee and presented a 2-hour workshop titled "Bringing the Total Worker Health Approach to Farm Workers" in Portland, OR.

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#### **ONLINE ENGAGEMENT**

**SOCIAL MEDIA** (reported to date)

**Monthly Newsletter: 16,087 subscribers** 

**X** (formerly Twitter): **1,230 followers** 

Facebook: 508 followers

**YouTube Channel:** 77,610 total views

LinkedIn: 672 followers, started Fall 2020

Oregon and the Workplace Blog: 419 views in FY24

What's Work Got To Do With It podcast (launched 2018) 1,324 plays in FY24, 13,500 total plays

#### **WEBSITES**

Oregon Institute of Occupational Health Sciences and Oregon Healthy Workforce Center:

16,658 cumulative site visits as of Sep 2024

**Supportive Workplaces:** 4,738 site visits

#### **CONNECT WITH US**

- Oregon Healthy Workforce Center
  - www.ohsu.edu/ohwc
- Oregon Institute of Occupational Health Sciences (home of OHWC)

www.ohsu.edu/oregon-institute-occupational-health-sciences

Supportive Workplaces
www.supportiveworkplaces.org/

#### **NEWSLETTER**

Join via our website:

www.ohsu.edu/oregon-institute-occupational-health-sciences

#### **SOCIAL MEDIA**

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- f facebook.com/occhealthsci.ohsu
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- tinyurl.com/ohwc-youtube
- soundcloud.com/occhealthsci
- Oregon and the Workplace Blog
  blogs.ohsu.edu/occupational-health-sciences

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