AHA®

HEALTHIER WORKPLACES | A HEALTHIER WORLD

AIHA – STATE OF THE ASSOCIATION 2024 PITTSBURGH LOCAL SECTION

Dina Siegel, CIH, CSP, CBSP, FAIHA AIHA President

March 21, 2024

AIHA STRATEGIC PLAN (2022-24) *

Mission - Empowering and advancing those who apply scientific knowledge to protect all workers and their communities from occupational and environmental hazards

Vision – A world where all workers and their communities are healthy and safe

*Next iteration of AIHA Enterprise Strategic Plan is being developed later this year



AIHA STRATEGIC PLAN

Domains					
Community	Awareness	Advancement and Dissemination	Integrity of Professional	Advocacy	
AIHA will nurture and empower a	AIHA will promote the practice of	of Knowledge		AIHA will influence the actions	
diverse and inclusive professional	occupational and environmental health	AIHA will explore, develop, and	AIHA will identify, develop,	the public, government, and	
community and engage with allied	and safety (OEHS) by increasing	disseminate cutting-edge	continuously improve, and	organizations to advance worke	
professional organizations to work	awareness of the value of the	educational, technical, and career	promote excellence in OEHS	and community health and	
owards achieving common goals.	profession and growing the	enrichment resources to advance the	practices.	safety.	
	organization and profession.	OEHS profession and professionals.			
		Strategic Objectives			
1. Enhance AIHA's value proposition	1. As the AIHA association,	1. Identify the needs associated with	1. Implement a continuous	1. As thought leaders, build	
o attract, grow, and retain a diverse	communicate our mission, vision,	critical issues in OEHS, create the	improvement strategy to identify	awareness of the OEHS	
and inclusive community of OEHS	values, and value proposition to	research agenda, and facilitate	and address gaps between	profession and the value of the	
professionals as members.	increase the strength of the			professionals' impact on	
2. Enhance AIHA's value proposition	organization.	dissemination, and implementation of	in class) OEHS practice.	businesses and communities to	
o appeal to non-core OEHS and allied	2. As a profession, inform	evidence-based practices.	2. Advance competency in	influence stakeholders, the	
professionals.	organizational leaders of the value	2. Develop educational, technical,	specialty areas through	public, and policymakers at all	
3. Enhance Product Stewardship	proposition of OEHS professionals:	and career resources for targeted	laboratory accreditation,	levels of government.	
Society's value proposition to attract,	who we are, what we do, and why.	audiences.	proficiency programs., and	2. Empower AIHA members an	
grow, and retain a community of	3. As a profession, broadly	3. Disseminate educational,	registry programs.	the public to contact their	
diverse product stewards as members.	communicate to the public AIHA's	technical, and career resources to	3. Develop recognized leading	policymakers in support of AIH	
 Identify and nurture relationships 	mission, vision, and value proposition	targeted audiences in developed and	metrics and best practices for	public policy positions and	
with allied professional organizations.	to improve society.	emerging economies through	worker and community health	issues.	
		multiple delivery options.	and safety, including		
			organizational social		
			responsibility.		



COMMUNITY

AIHA will nurture and empower a diverse and inclusive professional community and engage with allied professional organizations to work towards achieving common goals.



EHS NETWORK

A new subscription plan designed exclusively for **EHS Generalists**:

- Advance your EHS career
- Gain access to networking, training, and career advice from AIHA's community of experts
- Contribute to our mission of creating healthier workplaces and a healthier world.

Benefits include:

- Monthly digital Synergist magazine
- Free career mapping toolkit
- New online community room
- And more to come!

Click here to learn more.

ADVANCE YOUR CAREER WITH THE EHS NETWORK.

Expand your growth potential with a low-cost EHS Network subscription from AIHA. It includes:

- The Synergist magazine—get the latest industry news and trends delivered to your inbox monthly
- Catalyst, our online community—expand your network, join discussion threads, meet your next mentor, get answers to practical questions

Subscribe to the EHS Network for just \$49.95. aiha.org/subscribe







MOUs and Coalitions

AIHA maintains an extensive network of allied associations (60+) with whom we may have MOUs in place or informal commitments to collaborate.



<u>Coalitions</u>: 85-3 Hearing Protection • Capitals • Committee for Education Funding • Collaborative for Effective Rx Opioid Policies • Council for Accreditation in Occupational Hearing Conservation • Friends of NIOSH • Friends of NIEHS • High Performance Buildings • Intersociety Forum • Jobs and Careers • Partnership for Public Health Emergency Preparedness • [Re]Build America's School Infrastructure • Road to Zero • Scientific Liaison • Stafford Act • Tomorrow's Workforce





AIHA Ambassadors Program

The Ambassador Program is intended to:

- Support the development of a cooperative infrastructure of OEHS professionals in other countries
- Identify the need for OEHS capacity building and work to assist the host country in achieving this objective
- Identify needed education, products, and services within the international community that AIHA technical and professional development committees can develop and market
- Promote the profession and the Association's products and services to the international community; and, secondarily,
- Recruit AIHA members



EMERGING ECONOMIES MICROGRANTS

The AIHA Emerging Economies Microgrant Advisory Group's (AG) mission is to provide a fair, structured, transparent, and consistent mechanism for funding education and research projects that promote occupational hygiene in economically developing nations.

The vision of the AG is to expand occupational hygiene awareness and capacity globally to reduce the risk of injury, illness, and fatality to workers in nations with the fewest resources.



Sponsored by









www.aiha.org/get-involved/volunteer-groups/emergingeconomy-micro-grants-program

PRODUCT STEWARDSHIP SOCIETY (PSS)

PSS provides its members with the education and knowledge to enhance their skills as practicing product stewardship professionals. It's a space where product stewards (PS) can further advance the science, knowledge, and practice in the field. It's a community to solve the challenges we are all facing today. Finally, it's an opportunity to meet others in your profession and develop long lasting relationships as both professional colleagues and friends. Benefits include:

- Exclusive access to monthly Member Meet-Ups
- Reduced registration (\$200) to PSX, the profession's premier annual conference, attended by hundreds of PS across the value chain and some two dozen suppliers who serve the profession
- Reduced registration (\$200) to courses, including the Certified Professional Product Steward (CPPS) Exam Prep, which sets you apart from the competition
- Reduced registration to in-person and online webinars & workshops, offering a deeper dive into cutting edge topics of relevance to the profession
- Preferred pricing on Stewardship On Demand recordings, with access to over 200 education sessions
- Subscription to Full Circle bi-weekly e-news, delivering relevant and time-sensitive industry information of interest (e.g., global regulatory, product challenges, etc.)
- Preferred pricing on publications, practical, actionable knowledge written by PS experts for PS practitioners.
- Free shipping on bookstore orders for domestic (USA) members
- Personalized access to PS salary and compensation dashboards
- Listing in and access to the online membership directory
- A community platform on LinkedIn
- Volunteer opportunities, a great way to network with others and build leadership skills while furthering the profession.
- Access to Career Management services, to help you manage your career for maximum potential for success.



AWARENESS

AIHA will promote the practice of occupational and environmental health and safety (OEHS) by increasing awareness of the value of the profession and growing the organization and profession.



HealthierWorkplaces.org

AIHA hosts <u>www.healthierworkplaces.org</u>, featuring consumer-facing guidance on various topics, such as:

- Airborne transmitted disease
- Disaster preparedness/response
- Formaldehyde
- Indoor air quality
- Mold
- MSD
- Noise
- Heat stress (coming soon)
- Wildfires
- Young worker safety training

Consumer Health and Sa

SPONSORED BY AIHA®

Healthier Workplaces

Learn how to manage your exposure to various hazards at work and home using this hub of free information created by leading occupational and environmental health and safety (OEHS) professionals. These resources are designed to help employers and employees safeguard worker health and well-being, as well as guide the public to prepare for and address emergencies like natural disasters and wildfires.

Need an OEHS Professional? Find one now

Healthier Workplaces Show: Next Episode



Consumer Health and Safety Resources

Learn how to address crises and health risks that might affect you and your community, including natural disasters and mold.

LEARN MORE





Workplace Resources Video Podcast Series

 Improve your workplace health and safety using
 Get solutions to the latest industrial hygiene and

 these expert resources for employers and
 environmental health and safety issues,

 employees in retail, food service, and more.
 featuring industry experts.

LEARN MORE

HEALTHIER WORKPLACES

Show



IMPROVING CLINICAL AND PUBLIC HEALTH OUTCOMES THROUGH NATIONAL PARTNERSHIPS TO PREVENT AND CONTROL EMERGING AND RE-EMERGING INFECTIOUS DISEASE THREATS: CDC-RFA-CK20-2003 (2021-PRESENT)

Knowledge Product Development

- 20 Micro-training Animated Videos targeting Small Businesses, Education, and Healthcare
- Supporting Worksheets, Tip Sheets, Infographics, Etc.
- Accessibility: Color Blind, Closed Captioning, Translations into 8 Languages
- Needs Assessment Summit (broadcast January 2022) and subsequent Lessons
 Learned Webinars

Knowledge Product Dissemination

- 4 Step Online Interactive Risk Assessment Tool
- Commit to CARE Pledge: Organization Outreach
- New quarterly e-newsletter and monthly blog series
- New <u>Healthier Workplaces & Schools eBook</u> (English & Spanish)

Healthier Workplaces and Schools eBook





Different approaches to help mitigate the risk of spreading airborne infectious diseases depending on your workplace setting.







Just Released!

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commit2care.org/resources-aiha

RESOURCES FOR IH/OEHS PROFESSIONALS

Provides resources, information, and tools to advise and assist general workers, health care workers, and management to protect workers in the case of a pandemic.

The Role of the Industrial Hygienist in a Pandemic

2nd edition

Roger D. Lewis and Robert Strode, Senior Editors A publication of the AIHA Biosafety and Environmental Microbiology Committee

- Download your <u>free copy</u>
- Purchase <u>archived webinar</u>

SARS-CoV-2 Exposure Assessment Tool

This simple-to-use tool, released as a Beta version, allows users to estimate a group-wide relative exposure to SARS-COV-2 associated with various activities. The tool facilitates understanding of the relative importance of factors that contribute to increased exposure. It incorporates both scientific principals and recent findings regarding virus characteristics to assess relative exposure based on the key mechanistic and epidemiological factors. NOTE: The developers of this tool are in the process of submitting a peer-reviewed article for publication in the <u>Science Advances</u> journal.



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CLICK HERE TO LEARN MORE

ALL PROJECTS: RESOURCES FOR SMALL BUSINESSES & CONSUMERS

Evolution of Commit 2 C.A.R.E. Campaign



Community. Awareness. Responsibility. Equity.

A public awareness campaign with a mission to level the playing field of understanding of environmental strategies to combat COVID-19 and other airborne infectious diseases like measles and tuberculosis:

- Debunks myths about the spread of airborne viruses, such as COVID-19.
- Makes the complexities of the science easier to understand through various engaging multimedia tools
- Encourages businesses to pledge their commitment to C.A.R.E. for the health and well-being of their employees, clients, and customers.
- Leverages our no-fee partners to amplify our messaging (36 to date)





www.commit2care.org/

Together, we can make our workplaces and communities safer from infectious diseases

Knowledge is power. Get informed, take control, and commit to doing more to protect your co-workers, families, and friends from the infectious diseases of today and tomorrow.



ADVANCEMENT AND DISSEMINATION OF KNOWLEDGE

AIHA will explore, develop, and disseminate cutting-edge educational, technical, and career enrichment resources to advance the OEHS profession and professionals.



CAREER ADVANTAGE



Featured OEHS Jobs

Safety and Training Coordinator City of Scottsdale Scottsdale, AZ

GPS/Machine Control Specialist Zenith Tech Inc. a Walbec Group Company Verona, WI

Asphalt Plant Supervisor Zenith Tech Inc. a Walbec Group Company Waukesha, WI

Manager, Industrial Hygiene BNSF Railway Chicago, IL Get Hired with expert resume, cover letter, LinkedIn, and interview prep guidance with Candidate Premium Services.



AIHA CareerAdvantage



YM Career Resources



Become a Member



View All Jobs



www.aiha.org/ih-careers/career-advantage

AIHA MEMBERSHIP PIPELINE DEVELOPMENT STRATEGIC ACTION PLAN



Goal

Increase AIHA's membership/subscriber base from 7,000 to 20,000 by the end of 2030.

This excludes Local Section membership since AIHA does not have direct access to Local Section membership numbers or rosters. The 20,000 reflects a mix of AIHA members and subscribers to AIHA's new EHS Network program.

Why?

As we grow our membership pipeline, we'll increase diversity, share more knowledge, cultivate greater expertise, and protect more workers and their communities.



Is This Possible? Target Demographic Analysis

Total	1,255,200
Active Military employed in a STEM field	100,000
Veterans currently employed in a STEM field in the civilian workforce	704,000
Service Members who transition from Military to civilian life who find	
employment in a STEM field each year	12,000
Occupational Health and Safety Technicians	22,500
Occupational Health and Safety Specialists	109,900
U.S. College Students graduating with OEHS-related degrees each year	306,800

Sources: Bureau of Labor Statistics (2021), College Factual



INTERESTED IN HELPING?

This is a new beginning, and we need your help to realize our potential.

If you'd like to help reach out to active military, veterans, OEHS technicians, secondary students, or college students (or other demographics), contact Mark Ames at mames@aiha.org.

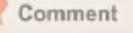


GRASSROOTS OUTREACH TO STUDENTS IN SECONDARY SCHOOLS & COLLEGES



SHARE YOUR EXCITEMENT ABOUT YOUR PROFESSION

Here you'll find resources to help you represent the occupational and environmental health and safety (OEHS) profession. You'll find tips for successful live or virtual presentations, videos that showcase disciplines within the profession, and resources to share with students and professionals looking for an exciting, rewarding career in OEHS.





Click to Learn More

FREE RESOURCES FOR AGES 12–18



Preparing for a Career Fair Presentation

Ready to help spread the word about OEHS? Check out this video to help you get started!

bit.ly/GetReadyPresentation



OEHS Career High School Presentation

You've planned a presentation about AIHA and OEHS, now what? This ready-to-use PowerPoint was designed with teenagers in mind. Feel free to add your own flair to the template!

bit.ly/HighSchoolPPT



Impact of OEHS in Communities Video

Follow the odyssey of how Stacy and her family overcame an environmental health nightmare and how an OEHS professional positively impacted their lives.

bit.ly/VideoOEHSimpact



Safety Matters Center

NIOSH and AIHA teamed up to present Safety Matters, a program to raise awareness among young people about workplace safety and health. Help get this critical toolkit of information in front of teens before they enter the workforce.

aihasafetymatters.org



Click to Learn More

More 🌔 🛛 Click

Click to Learn More



EVEN MORE FREE RESOURCES FOR AGES 12–18



IH Heroes[™] Social II Media Pre-Written Posts C

These graphic files are ready for you to upload to Instagram, LinkedIn, or wherever you socialize online. They tell stories of IH Heroes[™] in bite-sized pieces for sharing with kids and your OEHS colleagues alike.

bit.ly/IHHeroesSocialPosts

Click to Learn More



IH Heroes[™] Biography Cards

Like baseball cards, these biography cards profile the IH Heroes[™] featured in our comic series. Besides being a fun way to learn more about the profession, students can qualify to win all 15 cards by going to **OEHSCareers.org** to learn more.

bit.ly/IHHeroesCards



Click to Learn More

IH Heroes[™] Comics

Unsung Heroes, Uncommon

Pathways. These hand-

impact on worker health.

Download the digital copies

Meet the IH Heroes:

drawn comic books

bit.lv/ComicsIHHeroes

for free.

showcase IH Heroes'

More 🚺 🔰 Click t

Click to Learn More



IH Heroes[™] Game

For ages 12-18, this game simulates a scenario often faced by OEHS professionals to teach the profession's five core tenets: Anticipate, Recognize, Evaluate, Control, and Confirm (ARECC). Download for free.

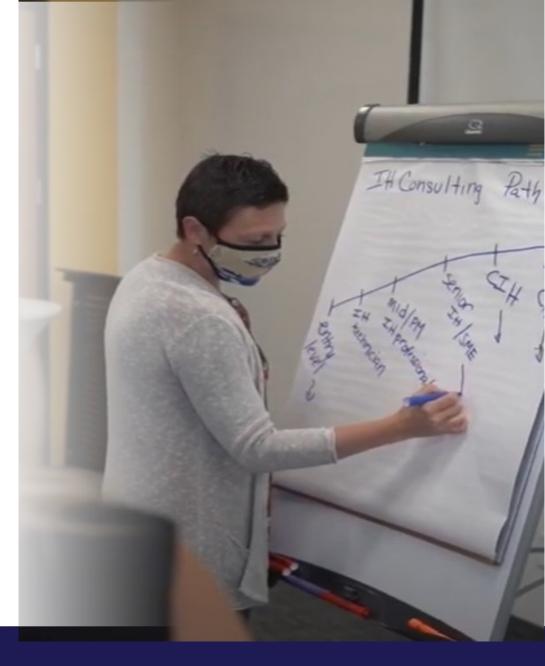
bit.ly/HeroesVideoGame

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IS THE OEHS PROFESSIONAL PATHWAY FOR YOU?

Where are you in your career right now, and where do you want to go?

Whether you are still in school, a recent graduate, or have been in the OEHS field for years and want to grow your management and leadership skills, AIHA's **Professional Pathways Program** provides resources and tools to help you reach the next stage of your career, through the lenses of Technical, Management, and Leadership.





RESOURCES FOR UNDERGRADUATES OR PEOPLE CHANGING CAREERS



OEHS Careers and Salaries

What's possible in this growing field? How much do today's OEHS professionals make? Find these answers and more.

bit.ly/aihasalary





OEHS Career Levels

Each stage of an OEHS professional's career can be defined by his or her knowledge area, career level, and stage of progression.

bit.ly/IHCareerLevels





Core Competencies

The Core Competencies outline the essential knowledge, skills, and abilities that every OEHS professional needs.

bit.ly/IHCoreCompetencies





EVEN MORE RESOURCES FOR UNDERGRADUATES OR PEOPLE CHANGING CAREERS



eGuide

This detailed eGuide links to hundreds of resources that help you explore what you want to do and how to get there.

bit.ly/OEHSeGuide



Your Roadmap

A simple infographic will be your map as you walk through the technical, management, and leadership aspects of your OEHS career.

bit.ly/ProPathway



EHS Generalist

Do you have the right skills and credentials to land your first or next job? See what hiring managers are looking for in an EHS Generalist.

bit.ly/EHSgeneralist



I Am IH Video Series

What is OEHS? What careers are available in this profession? Hear from over a dozen different OEHS scientists and professionals about how this career path has rewarded them and what a day in their lives look like.

bit.ly/IAmIH-Webseries

Click to Learn More

Click to Learn More

Click to Learn More

Click to Learn More



STUDENT MEMBERSHIP



Career Guidance



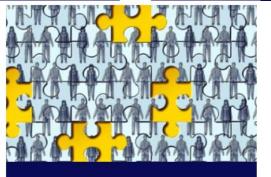
Community & Connections



Knowledge & Resources



Education & Events



Additional Benefits



www.aiha.org/membership/join-aiha/student-membership

STUDENT MEMBERSHIP

Reg \$32 / First-Year \$16 (PROMO CODE "STUDENT")

- A full-time student at the college undergraduate or graduate level in the industrial hygiene or occupational and environmental health and safety field may become a Student member upon application and submission of a statement from his/her faculty advisor, transcript, or other means confirming status as a full-time student, initially and annually if requested.
- Part-time students who are taking at least one-half the credit hours required for full-time undergraduate/graduate students may also become a student member upon application and submission of a statement from his/her faculty advisor, transcript, or other means confirming the number of credit hours, initially and annually if requested.

BONUS OFFERINGS!

Receive complimentary PDF copies of the following:

- Essentials of Exposure Assessment IV (\$19.95 value)
- Exploring the Dangerous Trades: The Autobiography of Alice Hamilton, M.D. (\$45 value)



AIHA FELLOWS SPONSORED... GRAND CHALLENGES

Eliminate preventable workplace illness, death, and disability by:

- 1. Improving Exposure Assessment in the Workplace
- Improving Equity in Workplaces, Minimizing Precarious Work Situations, and Protecting Vulnerable Workers (e.g., gig workers, undocumented persons, migrant labor)
- 3. Addressing the Impacts of a Changing Work Environment (e.g., remote work)
- 4. Mitigating the Impacts of Climate Change on Workers (e.g., heat stress)



CURRENT CONTENT PRIORITIES

Big Data and Sensor Technology

Total Worker Health®

Serving the Changing Workforce

Communicating OEHS Concepts

Total Worker Health® is a registered trademark of the U.S. Department of Health and Human Services (HHS). Participation by AIHA does not imply endorsement by HHS, the Centers for Disease Control and Prevention, or the National Institute of Occupational Safety and Health.



CPAG ENVIRONMENTAL SCAN

- The research performed by Foresight Alliance identified **76 trends** related to the future of OEHS. These were sorted into the most appropriate content priority. Trends that did not fit into any of the 4 existing priorities were placed into a 5th "other" category.
- The highest ratings given to trends fell under Big Data & Sensor Technology and Communicating OEHS Concepts.



CPAG'S PATH FORWARD

- **Big Data & Sensor Technology: Retain** and expand to include AI topics and expanded use of sensors. (AI topics will be distributed across other areas as well).
- Communicating OEHS Concepts: Retain with changes made to the name, mission statement, & vision statements
- Serving the Changing Workforce: Retain with changes made to the name, mission statement, & vision statements
- Total Worker Health[®]: Retain with slight changes to the mission & vision statements.



Strategic Framework

A *Strategic Framework* is a logical model that sets a strategic goal and direction, shapes the collective identity of resources working towards this goal, and provides a map to guide decision-making and problem-solving relative to the OHS profession.



Enterprise Risk Management for IH/OEHS Professionals

This essential body of knowledge establishes a baseline for all OHS professionals on what enterprise risk management means within the sphere of safety and environmental health.

Member: \$19.95 | Non-member: \$29.95

LEARN MORE

www.aiha.org/education/frameworks

Competency Frameworks

A *Competency Framework* is a structure that sets out and defines the core knowledge and skills required by an individual for effective performance in a specific area of expertise. These competency frameworks can be linked to either an assessment-based certificate program or an online self-study course.



Auditing Occupational Health & Safety Management Systems

ABOUT THIS



SDS and Label Authoring Registry

ABOUT THIS



Understanding and Applying ARECC to Occupational and Environmental Health and Safety

ABOUT THIS



Technical Frameworks

A Technical Framework defines an individual's core knowledge and skills for effective performance in a specific practice or expertise. These frameworks are widely used as a resource for individuals looking to expand or refresh their knowledge or skills or develop a new training program within an organization.







Practitioners

ABOUT THIS

A Resource for Respiratory Protection

Programs

Big Data ABOUT THIS

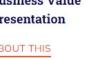
www.aiha.org/education/frameworks

ABOUT THIS









ABOUT THIS

the OEHS

Professional

Climate Change

Adaptation for



Emergency Preparedness and Response for the Industrial Hygienist ABOUT THIS









The Road Map

Guidance on Legionella Use of Direct-Reading Instruments

ABOUT THIS

Occupational Exposure **Banding Process**

for OSH Professionals

ABOUT THIS

ABOUT THIS



ABOUT THIS

Role of the OEHS **Professional** in Continuity Planning

Role of the OEHS Professional in Emergency Planning



Susceptible Worker Protection

ABOUT THIS

ABOUT THIS

ABOUT THIS



NEW MULTI-DISCIPLINARY VOLUNTEER GROUPS*

WBGT / RISK	IMPACTS	ACTIONS
80-85 F / Low	Body stressed after 45 minutes	Take at least 15 minutes of breaks each hour if working or exercising in direct sunlight, Stay hydrated.
85-88 F / Moderate	Body stressed after 30 minutes. HEAT CRAMPS likely (painful contraction of muscles, weakness)	Take at least 30 minutes of breaks each hour if working or exercising in direct sunlight. Drink ½ to 1 quart of water per hour.
88-90 F / High	Body stressed after 20 minutes. HEAT EXHAUSTION likely (dizziness, nausea, vomiting, headache, fainting, disorientation, weakness)	Take at least 40 minutes of breaks each hour if working or exercising in direct sunlight. Reduce work, exercise intensity. Drink up to 1 quart of water per hour.
> 90 F / Extreme	Body stressed after 15 minutes. HEAT STROKE likely (extremely high body temp, confusion, convulsions, unconsciousness, death)	Take at least 45 minutes of breaks each hour if working or exercising in direct sunlight. Suspend all strenuous outdoor activities. Drink at least 1 quart of water per hour.
	Adapted from U.S Army and OSHA guidelines and	recommendations

Thermal Stress

Working Group

The Frank R. Lautenberg Chemical Safety for the 21st Century Act **TSCA Task Force**

EPA United States Environmental Protection Agency



IAQ FOR HEALTHY FACILITY

* AIHA Working Groups & Task Forces are open to anyone



THERMAL STRESS WORKING GROUP*

- Mission: To develop new tools and educational materials for thermal stress, with a focus on occupational heat exposure.
- Projects:
 - Developing a new heat safety app based on WBGT (approved IRAT project)
 - A study evaluating the current implementation of heat safety practices across North American (U.S. & Canada) businesses, identifying current knowledge, attitudes, and behaviors related to occupational heat stress among workers
 - Creating an effective educational program based on needs assessment outcomes





TSCA TASK FORCE*

Mission: To ensure that AIHA is speaking with one voice / one message with respect to how the OEHS profession is the right partner to support EPA in their occupational risk assessments and management, as mandated TSCA

Goals

- 1. Influence EPA to more closely align with how OEHS professionals conduct occupational exposure assessments.
- 2. Show evidence of AIHA's ability to positively influence how EPA conducts its risk assessments (i.e., anecdotally).

Strategic Objectives

- 1. Serve in a strategic oversight capacity that helps direct, prioritize, and coordinate AIHA activities being undertaken at the AIHA Volunteer Group level to influence the EPA.
- 2. Build closer relationships with trade associations, such as the American Chemistry Council.
- 3. Provide messaging to EPA staff to educate them on the fundamentals of how occupational exposure assessments are conducted.

Three Sub-Groups

- Organization Peer to Peer
- IH Practitioners to User Engagement
- Technical Best Practices Alignment



* Open to anyone

IAQ TASK FORCE*

Mission: To serve in a liaison capacity between AIHA's Volunteer Group network and ASHRAE; strengthen communication and coordination of activities that foster enhancing IAQ

Goal: AIHA and the OEHS profession are viewed as critical stakeholders vis-à-vis ASHRAE and other standards setting organizations that focus on IAQ.

Strategic Objectives

- Serve in a strategic oversight capacity that helps direct, prioritize, and coordinate IAQ activities being undertaken at the Volunteer Group level and how these are perceived and valued by ASHRAE and other organizations.
- Build a closer relationship with ASHRAE.
- Provide messaging to ASHRAE to educate them on the key role OEHS professionals provide in promoting healthy IAQ.

Two Sub-Groups

- Communications between AIHA and ASHRAE
- Role of Sensors in IAQ



* Open to anyone

Keeping our workplaces healthy and safe is no small feat.



AIHA University Subscription



Live Virtual Road Course: Fundamentals of IH March 4-8, 2024



Stay current on the latest OEHS trends with fresh education content in a wide variety of formats and price ranges. Live Virtual PDC: Noise Control Engineering March 26, 2024

Access the AIHA University Catalog

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MENTORING INSTITUTE

- Hassle-free and user-friendly enrollment
- Smart matching of mentors and mentees
- Mobile friendly

- Calendar syncing, meeting scheduling, chat, and video calls all on one platform
- Earn badges to showcase your accomplishments







TYPES OF VOLUNTEER GROUPS

- Technical Committees
- Professional Development Committees
- Special Interest Groups (SIG)
- Working Groups
- Task Forces
- Advisory Groups
- Ad Hoc Committees
- National Level Standing Committees



VOLUNTEER GROUPS TECHNICAL COMMITTEES

Active Volunteers Earn CM Points

Aerosol Technology	Exposure Assessment Strategies	Occupational and Environmental Epidemiology
Biological Monitoring	Government Relations	Protective Clothing and Equipment
Biosafety and Environmental Microbiology →	Indoor Environmental Quality	Real-Time Detection
Cannabis Industry Health and Safety	International Affairs	Respiratory Protection
Communication and Training Methods	Ionizing Radiation	Risk ->
Confined Spaces	Laboratory Health and Safety	Safety
Construction	Leadership and Management	Sampling and Laboratory Analysis
Emerging Digital Technologies Committee	Noise ->	Social Concerns
Environmental Issues	Non-Ionizing Radiation	Stewardship and Sustainability
Ergonomics ->		Teen Workplace Health and Safety
Exposure and Control Banding		

Join an AIHA Volunteer Group:

VOLUNTEER GROUPS WORKING GROUPS / SPECIAL INTEREST GROUPS

Working Groups





Active Volunteers Earn

CM Points

Special Interest Groups (SIG)



VOLUNTEER GROUPSPROF DEV & INTERNAL OPERATIONS COMMITTEES

Active Volunteers Earn CM Points

Professional Development Committees



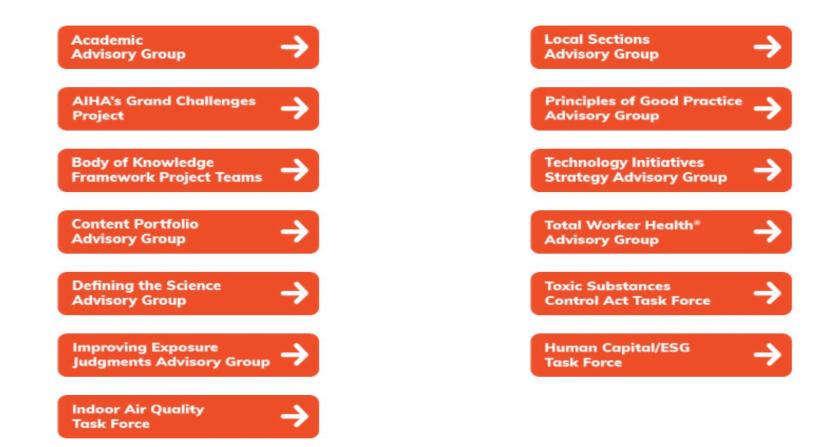
Internal Operations



Join an AIHA Volunteer Group:

VOLUNTEER GROUPS ADVISORY GROUPS / OTHER PROJECT TEAMS

Active Volunteers Earn CM Points





Join an AIHA Volunteer Group:

Sign up for updates!

CONNECT 2024 MAY 20-22 | Columbus, OH



aiha.org/events/aiha-connect-2024



Resources for Academics





Improving Exposure Judgment



Occupational Exposure Banding

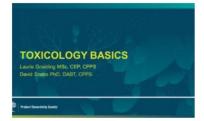


Control of Silica Exposure



OHTA Online Courses





Toxicology Basics



ABSA Biosafety, Biosecurity, and Biohazards Courses



EHS Business Case e-Tool



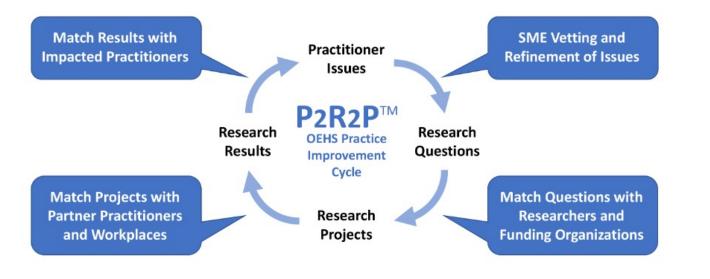
Industrial Hygiene Hazard Identification and Exposure Risk Assessment by Market Segment



www.aiha.org/public-resources/aiha-academic-portal

ADVANCING OEHS SCIENCE & PRACTICE: DEFINING THE SCIENCE

Practice-To-Research-To-Practice™ AIHA/ACGIH DTS Value Add







<u>aiha.org/get-involved/volunteer-groups/advancing-the-science-</u> and-practice/defining-the-science-advisory-group

ADVANCING OEHS SCIENCE & PRACTICE: DEFINING THE SCIENCE

Milestones: Defining the Science Initiative

07/2020	AIHA BoD approves Defining the Science (DTS) initiative
11/2020	DTS-AG Kick-off Meeting
09/2021	ARECC Brainstorming
01/2022	Members Guide Published
02/2022	R&D Officer Position Created
10/2022 & 02/2023	Thermal Stress Brainstorming Sessions
01/2023	Research Agenda Published
02/2023	Barriers to Practice Published
12/2023	Sensors Brainstorming Session
Future	Research Agenda 2.0
Future	Document Sensors Brainstorming Results
	Match Funding to Research



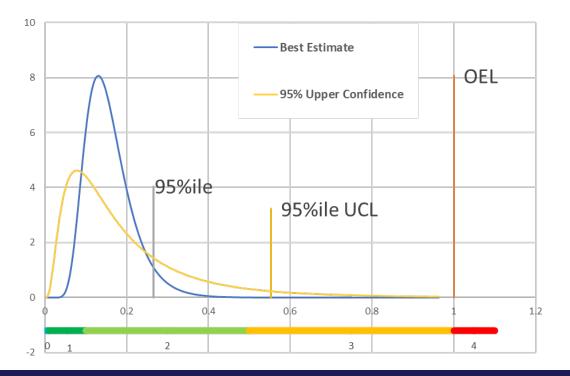
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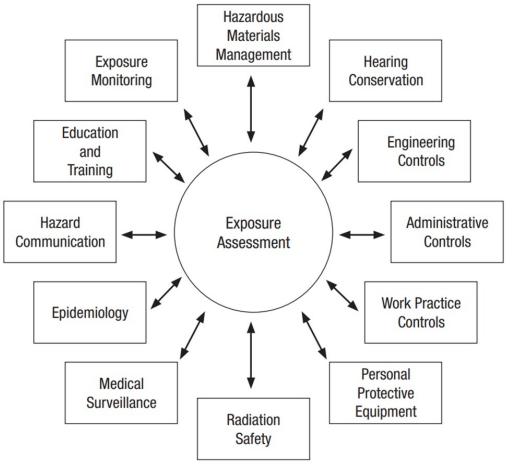
INTEGRITY OF PROFESSIONAL PRACTICE

AIHA will identify, develop, continuously improve, and promote excellence in OEHS practices.



Hazard Risk Management Depends on Accurate Exposure Decisions



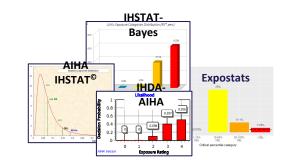


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aiha.org 54



TRAINING



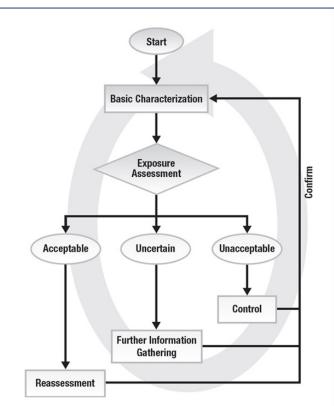
TOOLS



Registered Specialist Exposure Decision Analysis

AIHA Registry Programs®

ASSESSMENT OF COMPETENCY



A Strategy for Assessing and Managing Occupational Exposures 4th Edition



aiha.org/get-involved/volunteer-groups/advancing-the-scienceand-practice/improving-exposure-judgments-advisory-group

OCCUPIENT OF CONTROL OF CONTROL

02/2022	AIHA BoD approves Improving Exposure Judgment (IEJ) initiative
04/2022	IEJ-AG Kick-off Meeting
	Identification of Project Initiatives
11/2022	IRAT Funding Approved
01/2023	Discovery Interviews Started
04/2023	Discovery Complete
08/2023	Core Messaging and Campaign Concept Development Complete
09/2023	Concept Validation/Research
44/0000	Campaign Refinement
11/2023	IRAT Funding Approved
01/2024	Kick-off Collateral Asset Creation
Future	Video and Print Collateral Development
	04/2022 11/2022 01/2023 04/2023 08/2023 09/2023 11/2023



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IMPROVED EXPOSURE JUDGMENTS.

FOR WORKERS. FOR WORKPLACES. FOR YOU.

Discover the many benefits of strengthening your exposure risk decisions.

When Occupational and Environmental Health and Safety professionals take steps to improve the accuracy of their exposure judgments—by bringing statistical tools and other approaches into their daily practice—they discover a wide range of benefits.

Healthier workplaces and communities. Stronger decision making, with verifiable data to validate judgments. Clearer communication with colleagues. Efficiencies in assessing risk that actually require less time and money. And many more.

The truth is current approaches to exposure judgments tend to underestimate the risk to workers. That is why the AIHA is committed to helping you elevate your risk-assessment abilities by offering **free access to the education, software and resources you need** to improve the accuracy of your exposure judgments.

By learning about these approaches and applying them in your own work setting, you'll take important steps toward protecting workers and strengthening your skillset as an OEHS professional.

Your free suite of courses and tools is available at AIHA.org/XXXX.

You have FREE access to AIHA's suite of resources:

Case Examples & Exercises

Learn about your potential to strengthen your risk assessments through real case-studies and hands-on exercises.

Online Courses

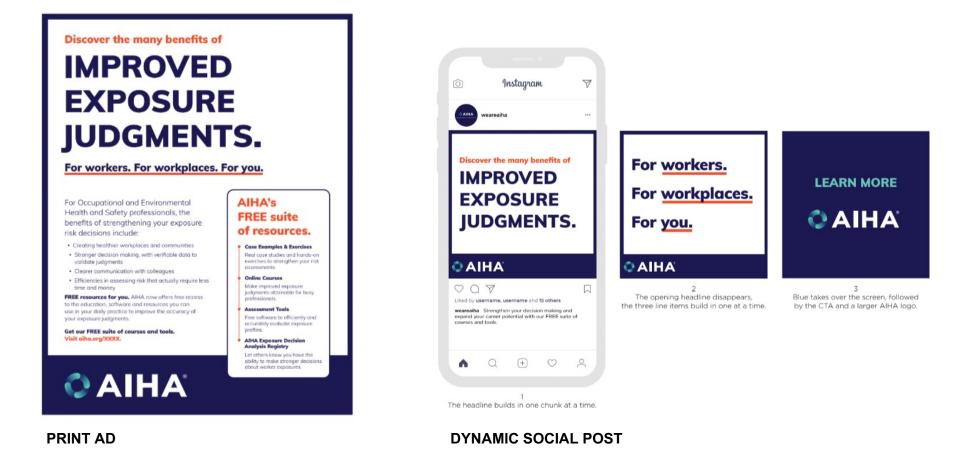
Acquire and apply new skills through online courses that make improved exposure judgments attainable for busy professionals.

Assessment Tools

Utilize our free software to efficiently and accurately evaluate exposure profiles.

AIHA Exposure Decision Analysis Registry

Join our registry and affirm to others that you have the ability to make stronger decisions about worker exposures.





ADVANCING OEHS SCIENCE & PRACTICE: PRINCIPLES OF GOOD PRACTICE

Purpose

- Document vital OEHS professional practices that reliably and effectively protect workers and communities from unacceptable risks.
- Provide a common vision of effective risk management practices for all OEHS professionals.
- Elevate the performance of all OEHS programs by providing a set of uniform program and performance targets that can be used in continuous improvement activities.



GUIDELINE aiha.org/get and-practice

aiha.org/get-involved/volunteer-groups/advancing-the-scienceand-practice/principles-of-good-practice



ADVANCING OEHS SCIENCE & PRACTICE: PRINCIPLES OF GOOD PRACTICE

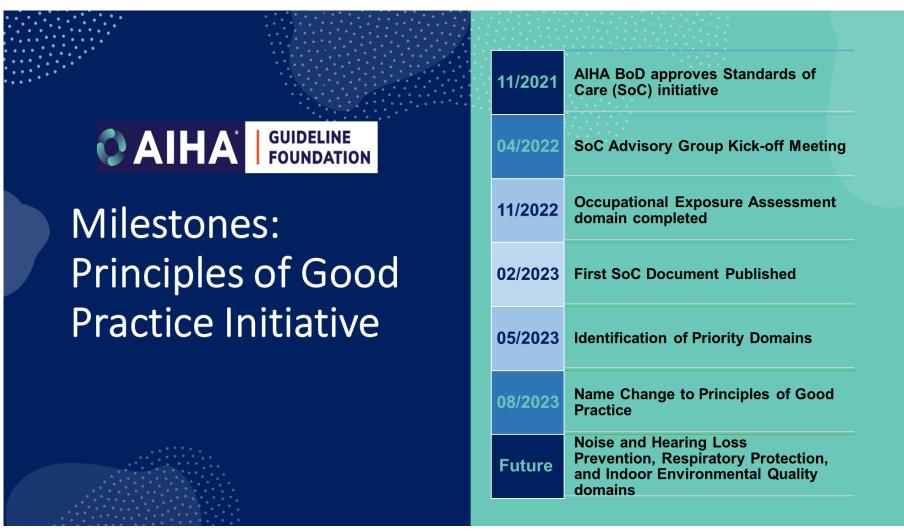
AIHA PRINCIPLES OF GOOD PRACTICE for OCCUPATIONAL EXPOSURE ASSESSMENT - Sample

OEHS Process / Program	Risk-Critical Practices	Good Practice	Enhanced Practice	References
Scope and Objectives	The AIHA Principles of Good Practice for Occupational Exposure Assessment is directed at preventing work-re- lated illness and disease. This is achieved through comprehensively assessing and managing all chemical, physical, and biological exposures for all workers across all workdays.	x		Chapter 2: Establishing the Exposure Assessment Strategy. A Strategy for Assessing and Manag-
	Note: The PGP does not address workplace psychosocial risks, risks to the community, risks to the environment, product safety, and the management of safety hazards for the prevention of accidents and injuries.			ing Occupational Exposures. 4th Edition. AIHA 2015.
Program Management	The organization maintains a written Occupational Exposure Assessment and Control program. The program identifies scope and objectives, roles and responsibilities, selection of occupational exposure limits (OELs), criteria for differentiating acceptable from unacceptable exposures including decision statistics, information gathering, similar exposure groups (SEGs), sampling strategies, statistical data interpretation, measures of certainty, exposure judgments, control of unacceptable exposures, prioritization and planning schemes for monitoring and health hazard controls, ongoing reassessments, management of change, communication of findings, training, medical surveillance, and recordkeeping.	x		Chapter 2: Establishing the Exposure Assessment Strategy. A Strategy for Assessing and Manag- ing Occupational Exposures. 4th Edition. AIHA 2015.
	Occupational exposure assessments are performed by or under the supervision of an experienced industrial bygienist who has been trained and has demonstrated competence in exposure assessment methodology (e.g.,	X		Ch.
Area of Practice	HA's comprehensive exposure assessment strategy). The training includes decision statistics; exposure cat- pories; formation of SEGs election, use and limitatio atistics; measures of cert Risk-Critical Practices not traditional and Bayesia ntrol strategies.	Good		Key References for Specific
Process / Program	Within Area of Practice	Enhar Pract		Risk-Critical Practices
	Occupational exposure assessments are performed by or under the supervision of a Certified Industrial Hygienist or equivalent.		X	Board for Global EHS Credential- ing.
	Occupational exposure assessments are performed by or under the supervision of an industrial hygienist who maintains AIHA Exposure Decision Analysis registration.		х	AIHA Exposure Decision Analysis Registry Program.

CAIHA GUIDELINE FOUNDATION

aiha.org/get-involved/volunteer-groups/advancingthe-science-and-practice/principles-of-good-practice

ADVANCING OEHS SCIENCE & PRACTICE: PRINCIPLES OF GOOD PRACTICE



CAIHA GUIDELINE FOUNDATION

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ADVANCING OEHS SCIENCE & PRACTICE: STATE OF THE ART V PRACTICE

Continuous Improvement Process to Identify and Address Gaps Between Current and State of the Art OEHS Practice.

- 1. Determine State of the Art / Best Practices (Principles of Good Practice Initiative).
- 2. Survey Practitioners Regarding Their Risk-Critical Practices.
 - Document Current Practices and How They Differ from Best Practices.
 - Identify Existing Barriers to Achieving Best Practice Performance.
- 3. Define and Implement Plans to Address Barriers and Empower Practitioners to Close Practice Gaps and Achieve Best-in-Class Performance.





ADVANCING OEHS SCIENCE & PRACTICE: STATE OF THE ART V PRACTICE

Airborne Chemical Exposure Assessment Survey AVENUE M **Key Findings** American Industrial Hygiene Association (AIHA) 2023 State-of-the-Art / Continuous Improvement: Criteria for Unacceptable Exposures Vary Widely Among Practitioners – Airborne Chemical Exposure Assessment Survey Final Report Reinforcing the Importance of the New Improving Exposure Judgments and **Principles of Good Practice Initiatives** Sheri Jacobs, FASAE, CAE, President & CEO Trevor Schlusseman, CIPP/E, CIPM, Vice President, Market Research and Analytics Nick Fernandes, Senior Director, Marketing Research Matt Cavers, Senior Director, Research and Consulting mily Thomas Senior Director Research and Consulting er Faber, Senior Consultant, Market Resear n Damolaris, Market Research Consultant Statistical Tool Use and Understanding Among Practitioners is Low – Reinforcing the Importance of the New Improving Exposure Judgments and State of the **Principles of Good Practice Initiatives** Art (SOTA) Practitioners are Highly Variable in Their Selection and Use of OELs vs Practice (SOTP) Reinforcing the Importance of the Principles of Good Practice Initiative and the Need to Continue Promoting Occupational Exposure Banding (OEB). Identifies and Bridges Gaps **Only About Half of Practitioners Use a Systematic Planning Process for** Between Existing Practice and Best Advancing Up the Hierarchy of Controls – Reinforcing the Need for Promoting in Class Practice the Importance of the Systematic Planning Approach

"The Survey Results are Rich and Detailed"



aiha.org/get-involved/volunteer-groups/advancing-the-science-andpractice/state-of-the-art-vs-practice-initiative



ADVANCING OEHS SCIENCE & PRACTICE: STATE OF THE ART V PRACTICE

Milestones: State-of-the-Art v **Practice Initiative**

02/2022	AIHA BoD approves State of the Art v Practice (SOTAvP) Initiative		
07/2022	AIHA BoD Approves IRAT Funding for Avenue M to Conduct Survey		
11/2022	Occupational Exposure Assessment PGP Complete		
04/2023	Survey Completed		
11/2023	AIHA BoD Approves IRAT Funding for Avenue M to Conduct Surveys on new Domains		
01/2024	Synergist Article and Key Findings from OEA Survey Published		
Future	Leverage Key Findings		
	2024 SOTAvP survey of completed PGP domains		



aiha.org/get-involved/volunteer-groups/advancing-the-science-andpractice/state-of-the-art-vs-practice-initiative



ADVANCING OEHS SCIENCE & PRACTICE:

FUTURE PGP AND SOTAvP ACTIVITIES

- Noise and Hearing Loss Prevention Nearing Completion
- **Respiratory Protection** In progress
- Indoor Environmental Quality In progress
- Control Banding Future Topic

• Sampling and Laboratory Analysis – Future Topic

Interested in documenting a PGP? Contact: Michele Twilley, DrPH, CIH AIHA Chief Science Officer <u>mtwilley@aiha.org</u>.





ADVOCACY

AIHA will identify, develop, continuously improve, and promote excellence in OEHS practices.





2023 GOVERNMENT RELATIONS ACCOMPLISHMENTS

Translating Your Technical Expertise Into Public Policy Recommendations

2023 GR ACCOMPLISHMENTS

- More than 1,200 instances of volunteerism in GR.
- AIHA was referenced in 508 State and Federal rulemakings, comments, and bills.
- Held AIHA's first-ever virtual congressional advocacy week.
- Created State Government Relations Teams, which include approx. 300 volunteers who now receive weekly updates on key legislative and regulatory developments in their States and can request AIHA GR staff assistance for added influence.



2023 GR ACCOMPLISHMENTS

Several AIHA members appointed to government advisory boards, including:

- National Advisory Committee on Occupational Safety and Health (NACOSH)
- Maritime Advisory Committee on Occupational Safety and Health (MACOSH)
- Vermont School Construction Aid Task Force
- (Forthcoming) Maryland Workgroup on Mold Standards and Remediation



2023 GR ACCOMPLISHMENTS

Examples of Comments AIHA Submitted to Gov't Entities

• EPA

- Carbon Tetrachloride
- Perchloroethylene (PCE)
- Methylene Chloride (Dichloromethane)
- (In process) Trichloroethylene (TCE)
- (In process) Procedures for Chemical Risk Evaluation Under TSCA

• DOL

- Temporary Agricultural Workers
- Walkaround Representatives
- PPE in Construction
- Exposure to Respirable Crystalline Silica
- Legislatures
 - Support for the Pro Codes Act
 - Supporting Funding for EPA, DOL, NIOSH, etc.



GOVERNMENT ENGAGEMENT OPPORTUNITIES



ENGAGEMENT OPPORTUNITIES

- Join one or more State Teams
- Help draft comments from AIHA to agencies or legislators
- Serve on a government advisory board or council
- Meet with a Member of Congress or staff

- Meet with a State legislator
- Send emails to Members of Congress or State legislators
- Meet with agency leaders and staff
- Meet with your governor

Want to help? Email Mark Ames at <u>mames@aiha.org</u>.



WHAT TO EXPECT IN 2024

- While gridlock is expected in Congress, Federal agencies will continue proposing new regulations at a fast pace. This is especially true for EPA as it implements the Toxic Substances Control Act (TSCA).
- State legislatures will be very active. Most State legislatures are parttime (January – May). There are 9 full-time State legislatures: CA, NJ, IL, MA, MI, NY, OH, PA, and WI. Each year, 100,000+ State bills are introduced, many of which address OEHS. Engaging with policymakers is key.
- Building on AIHA's Public Policy Agenda and broader OEHS workforce development activities, we're enhancing our focus on increasing AIHA membership as well as subscribers to our EHS Network program in 2024 and beyond.



2024 PUBLIC POLICY PRIORITIES

- 1. Protecting Workers and the Public from Hazardous Noise Exposure
- 2. Protecting Workers and the Public from Thermal Stress
- 3. <u>Strengthening the OEHS Professional Pathway and Improving</u> the Learning and Working Conditions of Schools

Key Resource: <u>How To Set Up Meetings with Students, Teachers, Guidance</u> <u>Counselors, School Nurses, or School Leaders</u>



OTHER AIHA BUSINESS UNITS





AIHA Laboratory Accreditation Programs











MISSION



- The mission of the American Industrial Hygiene Foundation (AIHF) is to advance the profession by awarding scholarships for funding education and professional development in industrial hygiene and related disciplines.
- Over the past 30 years, AIHF has awarded more than 870 scholarships totaling nearly \$2.3 million to students studying IH and/or OEHS.
- In 2023, AIHF is awarding \$199,719 in scholarships to 60 students.
- AIHF is governed by a Board of Trustees.





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Join the discussion with other like-minded professionals



Check out great offers and product specials.

THANKS FOR LISTENING!

Our Vision: A world where all workers and their communities are healthy and safe.

Dina Siegel, AIHA PRESIDENT chollawoman@gmail.com



HEALTHIER WORKPLACES

A HEALTHIER WORLD

