



HEALTHIER WORKPLACES | A HEALTHIER WORLD

AIHA NATIONAL UPDATE

Lawrence Sloan, MBA, FASAE, CAE
AIHA Chief Executive Officer

January 2024

San Diego Local Section

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 being developed later this year*

AIHA STRATEGIC PLAN

Domains				
Community	Awareness	Advancement and Dissemination of Knowledge	Integrity of Professional Practice	Advocacy
AIHA will nurture and empower a diverse and inclusive professional community and engage with allied professional organizations to work towards achieving common goals.	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.	AIHA will explore, develop, and disseminate cutting-edge educational, technical, and career enrichment resources to advance the OEHS profession and professionals.	AIHA will identify, develop, continuously improve, and promote excellence in OEHS practices.	AIHA will influence the actions of the public, government, and organizations to advance worker and community health and safety.
Strategic Objectives				
<ol style="list-style-type: none"> 1. Enhance AIHA's value proposition to attract, grow, and retain a diverse and inclusive community of OEHS professionals as members. 2. Enhance AIHA's value proposition to appeal to non-core OEHS and allied professionals. 3. Enhance Product Stewardship Society's value proposition to attract, grow, and retain a community of diverse product stewards as members. 4. Identify and nurture relationships with allied professional organizations. 	<ol style="list-style-type: none"> 1. As the AIHA association, communicate our mission, vision, values, and value proposition to increase the strength of the organization. 2. As a profession, inform organizational leaders of the value proposition of OEHS professionals: who we are, what we do, and why. 3. As a profession, broadly communicate to the public AIHA's mission, vision, and value proposition to improve society. 	<ol style="list-style-type: none"> 1. Identify the needs associated with critical issues in OEHS, create the research agenda, and facilitate information sharing, partnerships, dissemination, and implementation of evidence-based practices. 2. Develop educational, technical, and career resources for targeted audiences. 3. Disseminate educational, technical, and career resources to targeted audiences in developed and emerging economies through multiple delivery options. 	<ol style="list-style-type: none"> 1. Implement a continuous improvement strategy to identify and address gaps between current and state-of-the-art (best in class) OEHS practice. 2. Advance competency in specialty areas through laboratory accreditation, proficiency programs., and registry programs. 3. Develop recognized leading metrics and best practices for worker and community health and safety, including organizational social responsibility. 	<ol style="list-style-type: none"> 1. As thought leaders, build awareness of the OEHS profession and the value of the professionals' impact on businesses and communities to influence stakeholders, the public, and policymakers at all levels of government. 2. Empower AIHA members and the public to contact their policymakers in support of AIHA public policy positions and issues.

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 technicians**:

- Advance your EHS Tech 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 Synergist magazine
- Free Career Mapping Toolkit
- New online community room
- And more to come!

Click [here](#) to learn more.

An advertisement graphic for the AIHA EHS Network. It features a dark blue background with two smartphones. The top smartphone displays the cover of 'the synergist' magazine, which has a blue virus-like graphic and the text 'SAVING FOR SARS-COV-2'. The bottom smartphone displays the 'catalyst' online community interface, showing a group photo of people. In the center, white text reads: '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'. Below this, it says 'Subscribe to the EHS Network for just \$49.95. aiha.org/subscribe'. At the bottom is the AIHA logo with the tagline 'HEALTHIER WORKPLACES | A HEALTHIER WORLD'.

MOUs and Coalitions

AIHA maintains an extensive network of allied associations, some of which we may have MOUs in place, and with others informal commitments to collaborate. 60+ organizations and growing!



Coalitions: 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



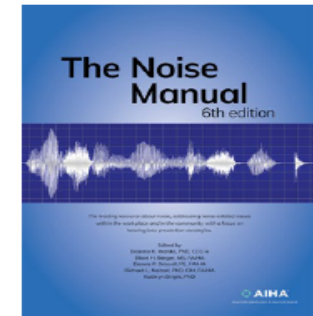
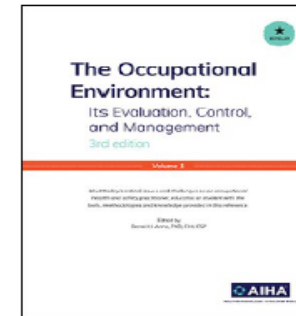


We are focused on giving you the tools you need to do your best work.

Publications

AIHA offers digital versions of selected publications and e-learning courses at **discounted prices**. Use discount code DEVNAT to receive 80% off the *White Book*, *The Noise Manual*, the *Basic Principles of Occupational Hygiene* e-course, and other resources.

aiha.org



- NEW! AIHAU
- BOOKSTORE
- CERT. PROGRAMS
- eLEARNING
- FACE2FACE TRAINING
- FRAMEWORKS



Online Classroom



CE and CM Credits



Frameworks



www.aiha.org/education

Special Membership Rates for Developing Economies*:

* As defined by World Bank

Practitioners:
\$25 USD

Students:
\$10 USD

Organizational
Membership

Membership Benefits and Features

Professionals and students from low- to middle-income countries receive a special discounted rate on access to these resources:

- Industrial hygiene tools and third-party apps
- AIHce EXP educational sessions, AIHA University courses, and Synergist webinars on demand
- E-subscriptions to *The Synergist* and *The Journal of Occupational Environmental Hygiene (JOEH)*
- AIHA's mentoring program and Catalyst online community
- The Spanish-language resource web page, "Recursos en Español"
- Spanish-language translations of *The Role of the Industrial Hygienist in a Pandemic* guidance document, a.k.a. *El Rol de Higienista Ocupacional en una Pandemia*, and other workplace safety resources



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 www.healthierworkplaces.org, featuring consumer-facing guidance on various topics, such as:

- Airborne transmitted disease
- Disaster preparedness/response
- Formaldehyde
- Indoor air quality
- Mold
- MSD
- Noise
- Thermal 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

Improve your workplace health and safety using these expert resources for employers and employees in retail, food service, and more.

[LEARN MORE](#)

Video Podcast Series

Get solutions to the latest industrial hygiene and environmental health and safety issues, featuring industry experts.

[LEARN MORE](#)

AIHA
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 Healthier Workplaces & Schools eBook

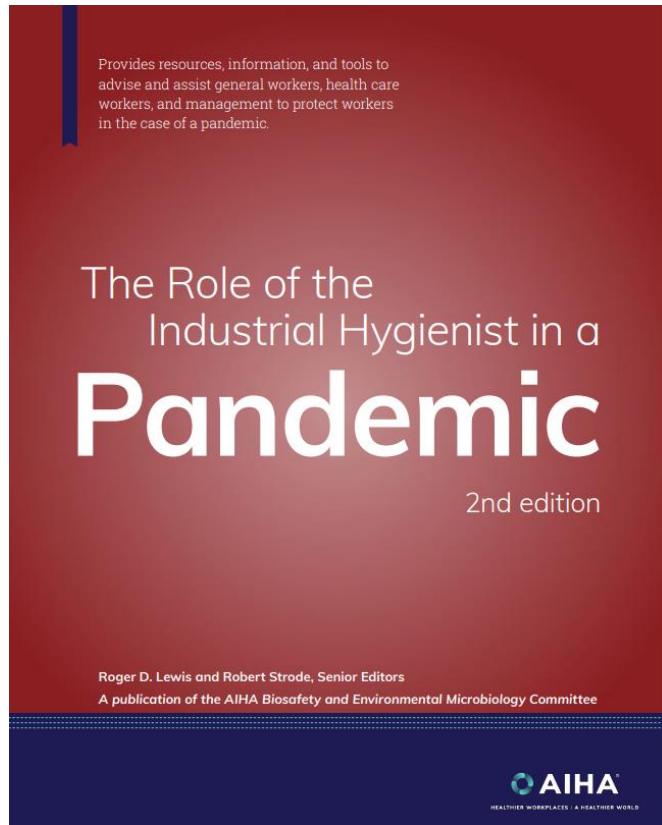


Just Released!

Table of Contents

- Disclaimer2
- Introduction4
- General Office Settings7
- Service Sector Businesses 11
- Healthcare Facilities 15
- Educational Facilities 20
- Manufacturing and Warehouses..... 25
- Large Venues 29
- Outdoor Activities 35
- Transit Systems (Buses, Subways, and Light Rails) 39
- Conclusion 44

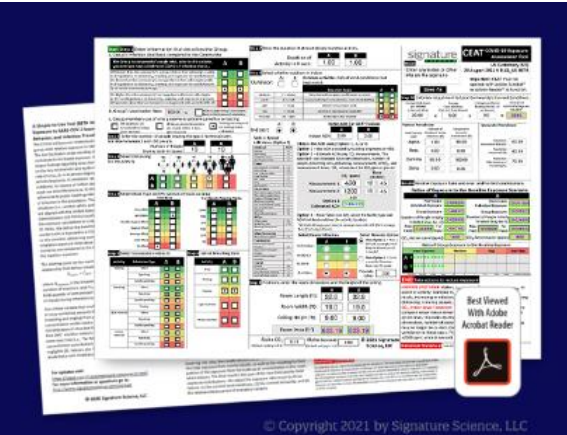
RESOURCES FOR IH/OEHS PROFESSIONALS



- Download your [free copy](#)
- Purchase [archived webinar](#)

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 *Science Advances* journal.



[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.

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, or middle, high, or college students, or other demographics, please contact Mark Ames at mames@aiha.org or (703) 846-0730.

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.



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

Click to Learn More



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

Click to Learn More



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

Click to Learn More



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



EVEN MORE FREE RESOURCES FOR AGES 12-18



IH Heroes™ Social Media Pre-Written Posts

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

Meet the IH Heroes: Unsung Heroes, Uncommon Pathways. These hand-drawn comic books showcase IH Heroes' impact on worker health. Download the digital copies for free.

bit.ly/ComicsIHHeroes

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.

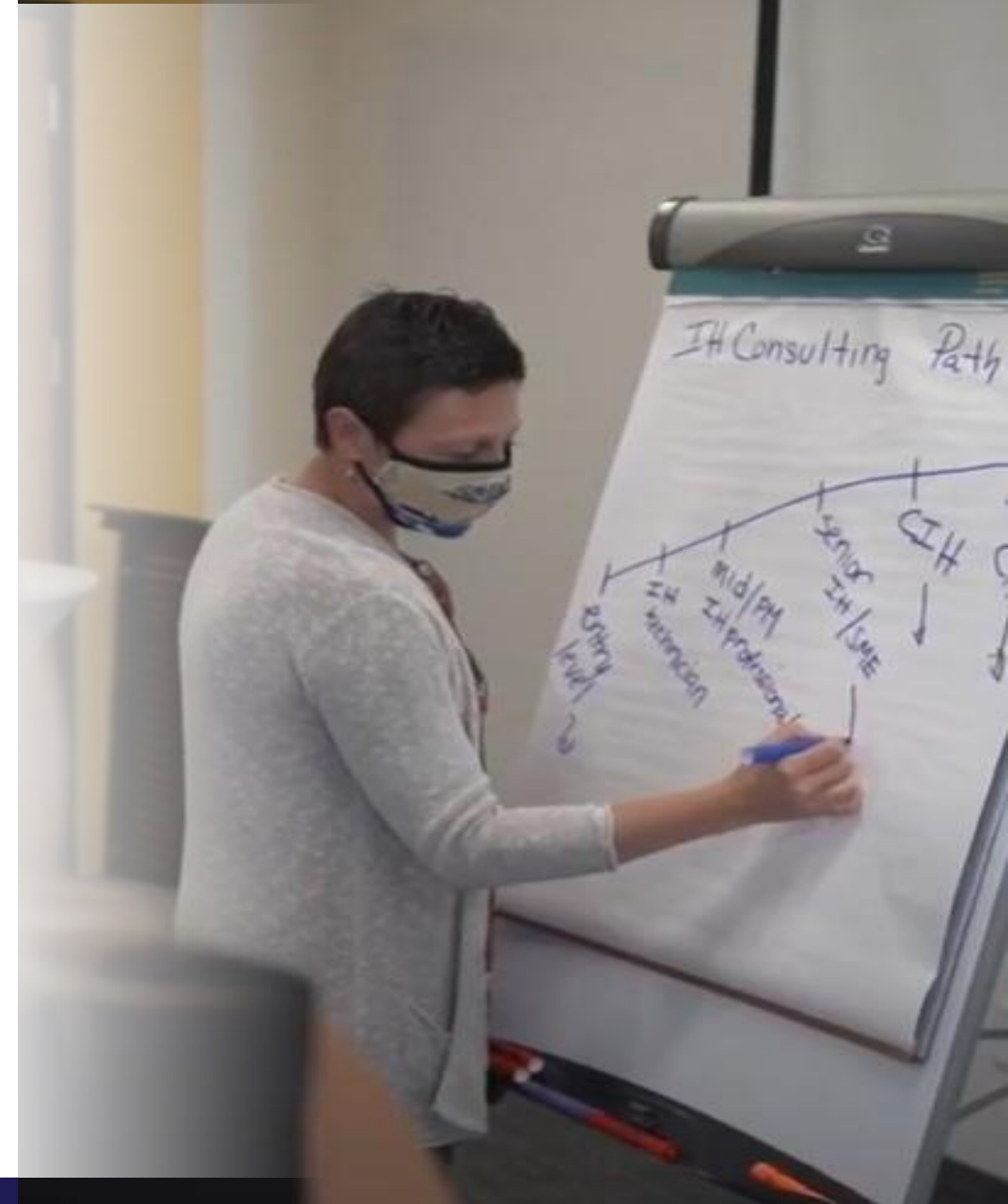
bit.ly/HeroesVideoGame

Click to Learn More 

IS THE OEHS PROFESSIONAL PATHWAY FOR YOU?

Where are you at right now in your career, 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

Click to Learn More 



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

Click to Learn More 



Core Competencies

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

bit.ly/IHCoreCompetencies

Click to Learn More 

EVEN MORE RESOURCES FOR UNDER GRADUATES 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

Click to Learn More



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

Click to Learn More



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

Click to Learn More



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



AIHA FELLOWS SPONSORED... AIHA GRAND CHALLENGES

Eliminate preventable workplace illness, death, and disability:

1. Improving **Exposure Assessment in the Workplace**
2. 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)

ADVANCEMENT OF KNOWLEDGE

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

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.

ENVIRONMENTAL SCAN



Introduction

Foresight Alliance is pleased to present the results of an environmental scan of trends related to the future of occupational and environmental health and safety (OEHS). The project used AIHA's existing content priorities as a starting point for framing an exploration of future trends.

This exploration began with a series of eight interviews with OEHS experts in relevant associations, academia, and the private sector. These interviews helped to define the key questions and research boundaries of the environmental scan.

Researchers from Foresight Alliance then conducted the environmental scan using a wide variety of authoritative secondary sources—academic research, relevant industry publications, newspapers, scientific reports, and websites. The research identified 75 key trends related to the future of OEHS.

The full inventory of these trends was evaluated by two different groups:

- Foresight Alliance researchers rated the trends based on the perceived scale of trend growth in the future.
- A panel of AIHA volunteers rated the trends based on the relevance of the trend to the industrial hygiene and OEHS professions.

The ratings for scale and relevance were averaged together, to give a total score for each trend.

The highest-rated trends were used as the starting point of an ideation process to identify trend “clusters”—areas of future change where several related trends were interacting. These trend clusters were eventually grouped into the six key change areas identified in this report:

- Information flows
- Evolving science
- Workforce shifts
- 21st century health
- Politics and society
- IH in an AI world

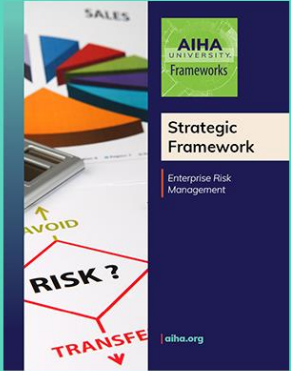
In the six sections of this report each change area is introduced with a summary description, a map of the trend cluster with trend scores, a list of key trends for each change area, and several subtopics with forecasts as well as implications for OEHS.

Contents

<i>Information Flows</i>	2
AI and knowledge acquisition	
AI as information manager	
AI as information gatekeeper	
Fragmenting information sources	
Intensifying privacy issues	
<i>Evolving Science</i>	5
Computational skills	
Data explosion	
AI and risk analysis	
AI as research assistant	
<i>Workforce Shifts</i>	8
More inclusive workforce	
Continuing workforce shortages	
Gen Z expectations	
Growing workplace violence	
<i>21st Century Health</i>	11
Deaths of despair	
Automation harms	
Climate change threats	
Impairment in the workplace	
<i>Politics and Society</i>	14
Polarized everything	
Tattered trust	
Regulatory disruption	
Credentials in the “culture war”	
<i>IH in an AI World</i>	17
Rising value for “soft skills”	
Automated OEHS	
Longer-term perspective	
Ethics of AI use	

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.



Competency Framework

Auditing Occupational Health & Safety Management Systems

Auditing Occupational Health & Safety Management Systems

[ABOUT THIS](#)



Competency Framework

SDS and Label Authoring Registry

SDS and Label Authoring Registry

[ABOUT THIS](#)



Competency Framework

Understanding and Applying ARECC to Occupational and Environmental Health and Safety

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.



A One of a Kind Resource for All IAQ IEQ Practitioners

[ABOUT THIS](#)



A Resource for Respiratory Protection Programs

[ABOUT THIS](#)



Big Data

[ABOUT THIS](#)



Business Value Presentation

[ABOUT THIS](#)



Climate Change Adaptation for the OEHS Professional

[ABOUT THIS](#)



Emergency Preparedness and Response for the Industrial Hygienist

[ABOUT THIS](#)



Guidance on Use of Direct-Reading Instruments

[ABOUT THIS](#)



Legionella

[ABOUT THIS](#)



Occupational Exposure Banding Process

[ABOUT THIS](#)



The Road Map for OSH Professionals

[ABOUT THIS](#)



Role of the OEHS Professional in Continuity Planning

[ABOUT THIS](#)



Role of the OEHS Professional in Emergency Planning

[ABOUT THIS](#)



Susceptible Worker Protection

[ABOUT THIS](#)

www.aiha.org/education/frameworks

NEW CROSS-FUNCTIONAL WORKING GROUPS*



The Frank R. Lautenberg Chemical Safety for the 21st Century Act

TSCA WG

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 1/2 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 WG



IAQ FOR HEALTHY FACILITY

IAQ WG

* AIHA Working Groups are open to anyone



DOMAIN: Knowledge

Obj #2: Develop educational, technical, and career resources for targeted audiences

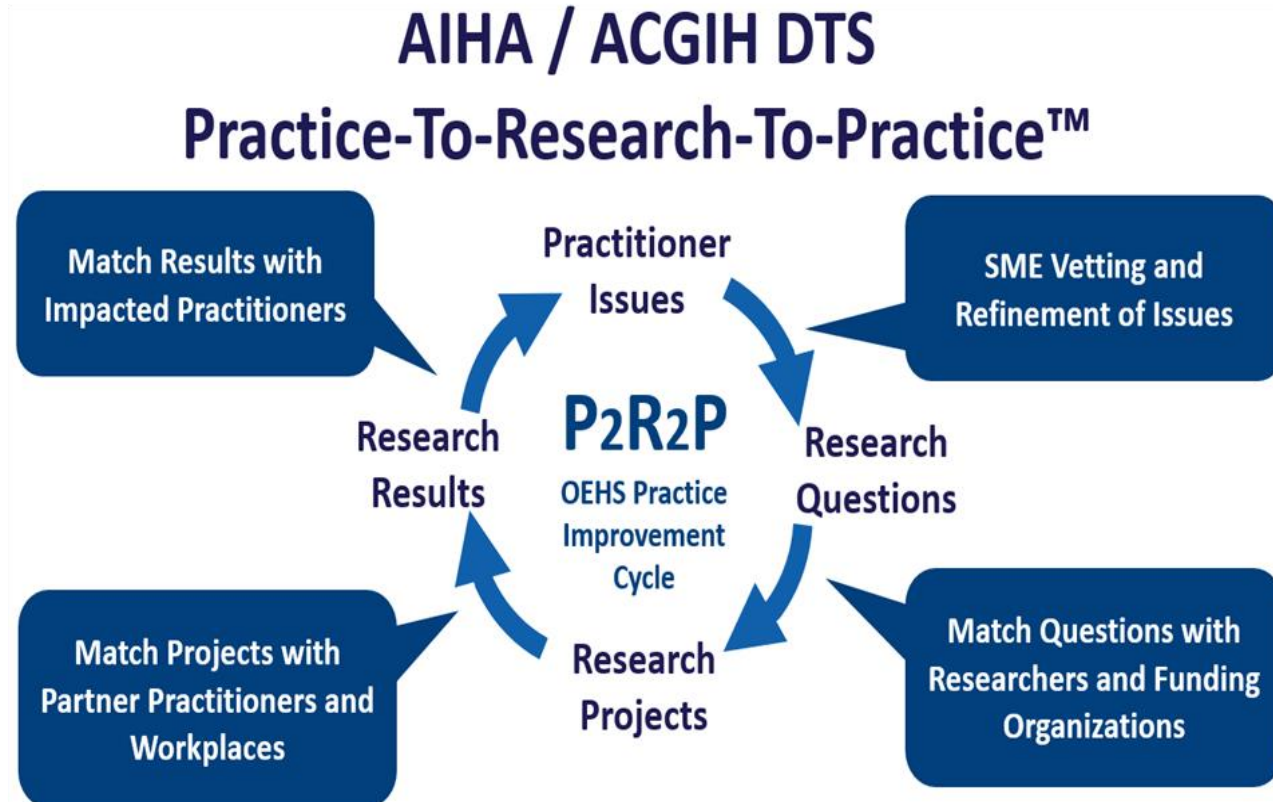


AIHA
CONNECT™
2024

MAY 20-22 | Columbus, OH

ADVANCING OEHS SCIENCE & PRACTICE: DEFINING THE SCIENCE

Making Research Work for Practitioners to Improve Protection for Workers & Communities





Resources for Academics

FREE for Everyone



**Improving Exposure
Judgment**



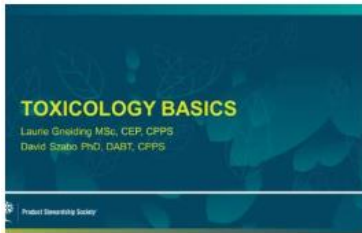
**Occupational
Exposure Banding**



**Control of Silica
Exposure**



**OHTA
Online Courses**



Toxicology Basics



**ABSA Biosafety,
Biosecurity, and
Biohazards Courses**



**EHS Business Case
e-Tool**



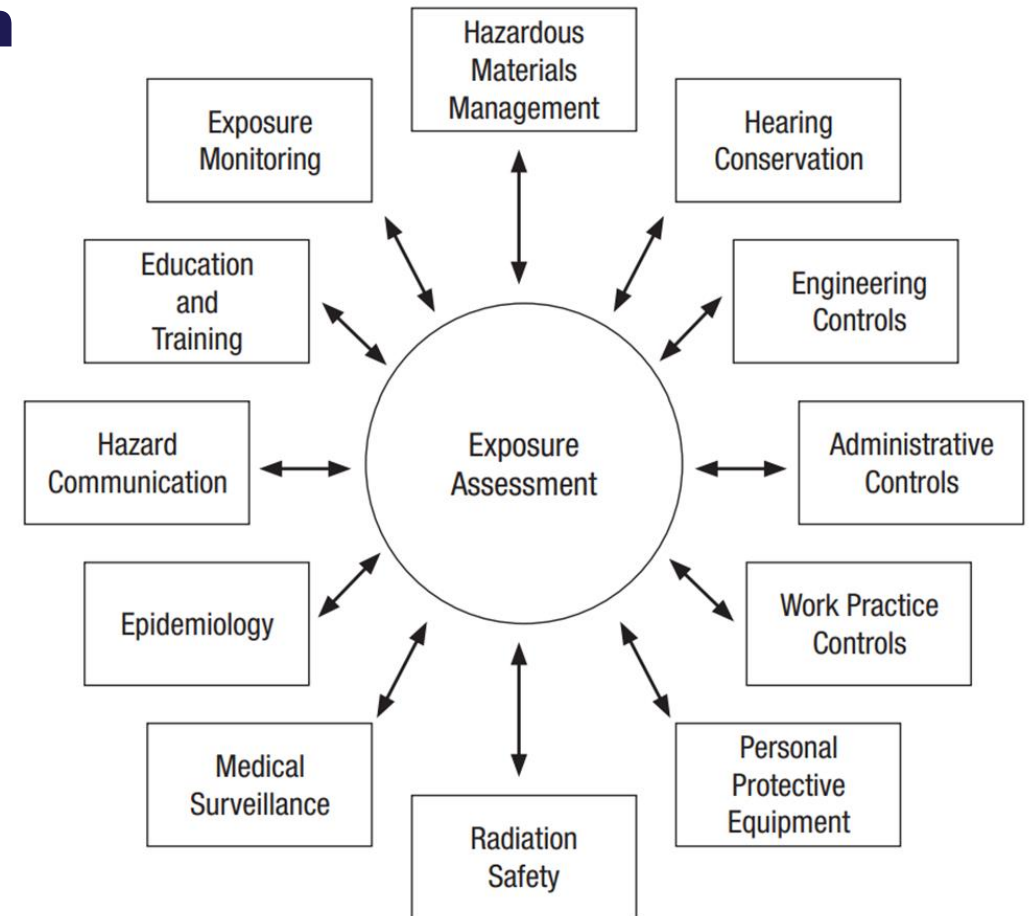
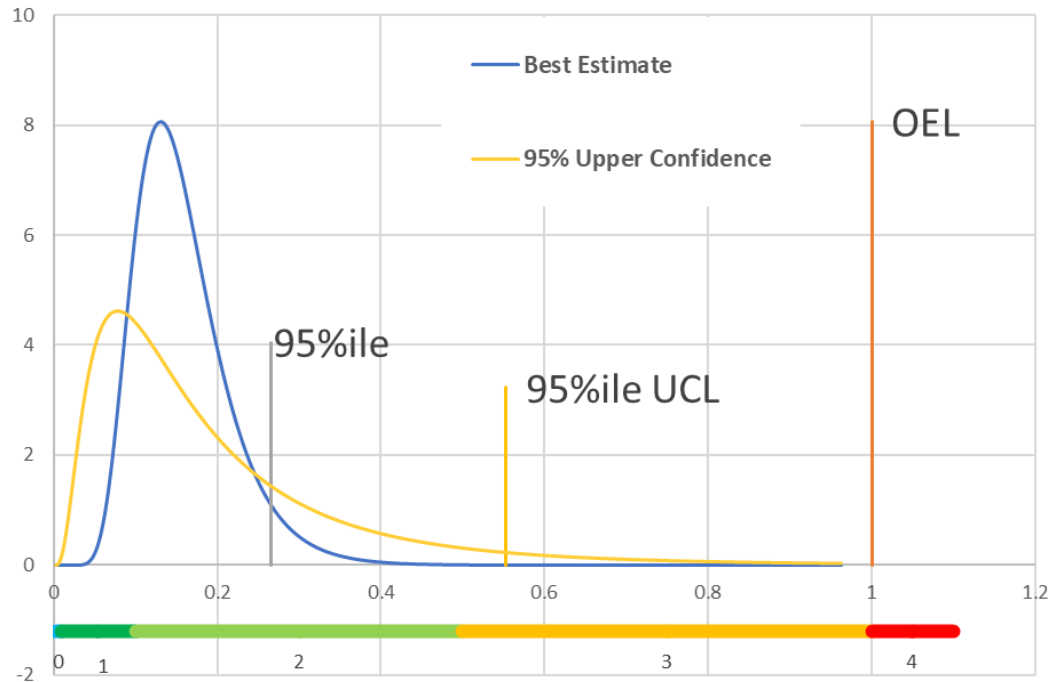
**Industrial Hygiene
Hazard
Identification and
Exposure Risk
Assessment by
Market Segment**

INTEGRITY OF PRACTICE

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

ADVANCING OEHS SCIENCE & PRACTICE: IMPROVING EXPOSURE JUDGMENT

Hazard Risk Management Depends on Accurate Exposure Decisions



ADVANCING OEHS SCIENCE & PRACTICE: IMPROVING EXPOSURE JUDGMENT

Improve the Accuracy and Efficiency of Exposure Assessment Decisions

IMPROVING EXPOSURE DECISION ACCURACY:
FREE COMPLETE RESOURCE PACKAGE

Tools

AIHA IHSTAT™

IHSTAT-Bayes™

Expostats

IHDA-AIHA™

FREE

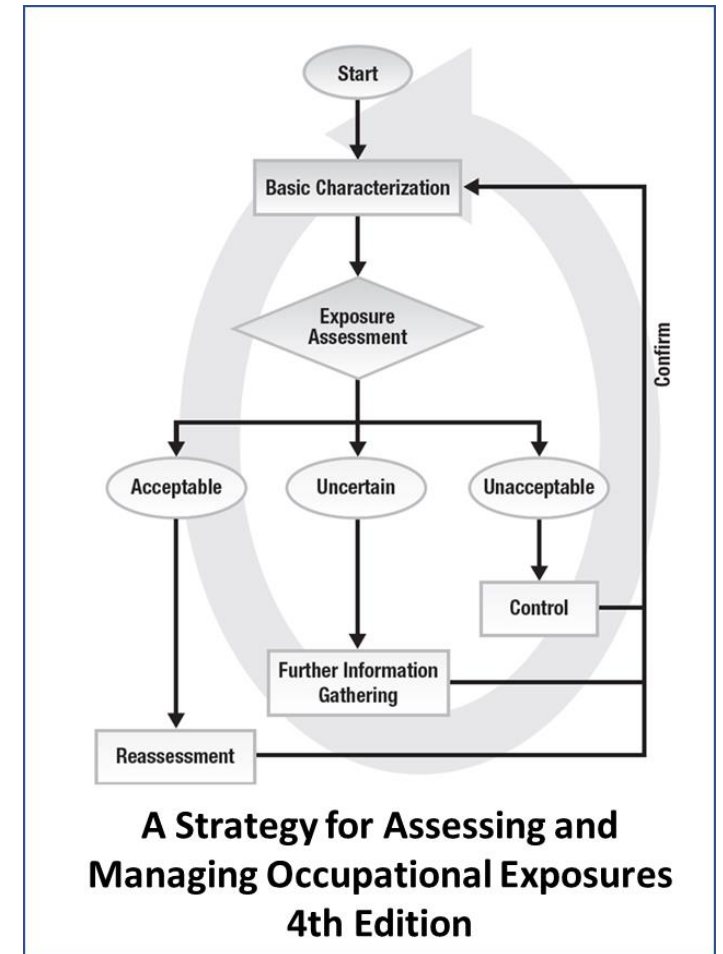
Training

Assessment of Competency and Performance

Registered Specialist
Exposure Decision Analysis
AIHA Registry Programs™

Access Resource Package [HERE](#)

FREE WEBINAR ON STATISTICAL ANALYSIS TOOLS
Making Accurate Exposure Risk Decisions



ADVANCING OEHS SCIENCE & PRACTICE: FOR LOCAL SECTIONS AND VOLUNTEER GROUPS

Resources for Continuous Exposure Judgment Improvement

- [Distinguished Lecturers](#)
- [Free 9-hours of EDA webinars](#)
- [Free statistical tools](#)
- [Free EDA Registry](#)



Registered Specialist
Exposure Decision Analysis

AIHA Registry Programs®

ADVANCING OEHS SCIENCE & PRACTICE: PRINCIPLES OF GOOD PRACTICE

AIHA PRINCIPLES OF GOOD PRACTICE for OCCUPATIONAL EXPOSURE ASSESSMENT
v1.0 - 11/29/22

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-related illness and disease. This is achieved through comprehensively assessing and managing all chemical, physical, and biological exposures for all workers across all workdays. 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.	X		Chapter 2: Establishing the Exposure Assessment Strategy. A Strategy for Assessing and Managing 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 Managing Occupational Exposures. 4th Edition. AIHA 2015.
	Occupational exposure assessments are performed by or under the supervision of an experienced industrial hygienist who has been trained and has demonstrated competence in exposure assessment methodology (e.g., AIHA's comprehensive exposure assessment strategy). The training includes decision statistics; exposure categories; formation of SEGs; selection and use of OELs; qualitative exposure assessment techniques and tools; selection, use and limitations of exposure models; sampling strategies; the application of traditional and Bayesian statistics; measures of certainty; dermal assessments; prioritization schemes; and control strategies.	X		Chapter 2: Establishing the Exposure Assessment Strategy. A Strategy for Assessing and Managing Occupational Exposures. 4th Edition. AIHA 2015.
	Occupational exposure assessments are performed by or under the supervision of a Certified Industrial Hygienist or equivalent.		X	Competency Requirements for Industrial Hygienists. Understanding How AIHA Works. AIHA Occupational Exposure Assessment. AIHA 2020.
	Occupational exposure assessments are performed by or under the supervision of an industrial hygienist who maintains AIHA Exposure Decision Analysis registration.		X	Board for Global EHS Credentialing. AIHA Exposure Decision Analysis Registry Program.

Area of Practice Process / Program

Risk-Critical Practices Within Area of Practice

Good or Enhanced Practice

Key References for Specific Risk-Critical Practices

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

Survey of English speaking IH/OH association members in US, Australia, UK and South Africa

Key Findings from Occupational Exposure Assessment PGP:

1. Criteria for Unacceptable Exposures Vary Widely Among Practitioners
2. Statistical Tool Use and Understanding Among Practitioners is Low
3. Practitioners are Highly Variable in Their Selection and Use of OELs
4. Only About Half of Practitioners Use a Systematic Planning Process for Advancing Up the Hierarchy of Controls
5. Few Practitioners Closely Follow the AIHA Strategy for Assessing and Managing Occupational Exposures (AIHA Strategy) Which is the Basis for the Occupational Exposure Assessment PGP

+/- 4% at 95% CI

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 at mtwilley@aiha.org.



ADVOCACY

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

AGENDA

- 2023 Government Relations Accomplishments
- Engagement Opportunities
- What to Expect in 2024



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.

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 mames@aiha.org

WHAT TO EXPECT IN 2024

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 also be very active. Most State legislatures are part-time (January – May). There are 9 full-time State legislatures which are 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 the number of OEHS professionals and AIHA members, including subscribers to our EHS Network program in 2024 and beyond.**

Thanks for listening!

Larry Sloan, CEO
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HEALTHIER WORKPLACES

A HEALTHIER WORLD