



HEALTHIER WORKPLACES | A HEALTHIER WORLD

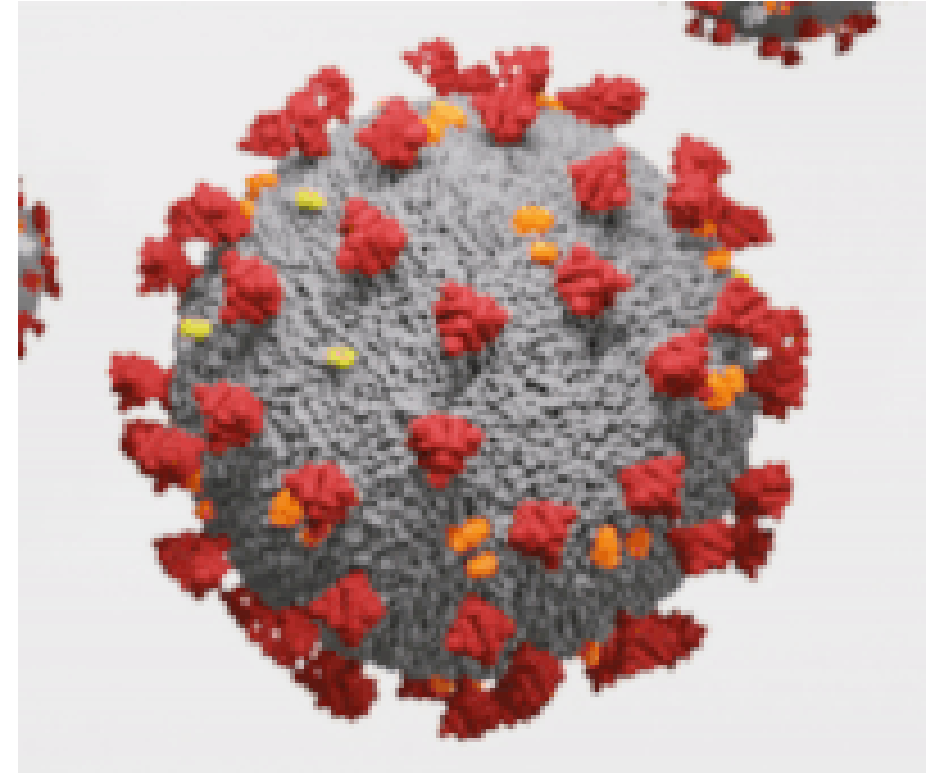
AIHA NATIONAL: PIVOTING IN TIMES OF A PANDEMIC

CIHC Webinar
October 13, 2020

Presented by:
Lawrence Sloan, MBA, CAE
Chief Executive Officer

AGENDA

- Internal Operations
- Member Programming
 - AIHce 2020 Virtual
 - Plans for 2021
 - Fall Virtual Education
- Public Facing Outreach
 - COVID Resources Portal
 - Back to Work Safely
 - VG Documents
- Allied Organization Partnerships
- Financial Stability
- Q&A



AIHA STRATEGIC PLAN (2019-21)

Mission: Empowering those who apply scientific knowledge to protect all workers from occupational hazards

Vision: A world where all workers are healthy and safe

DOMAINS/SUCCESS STATEMENTS

COMMUNITY

AIHA will foster networking, communication, engagement and interaction in our membership and among our professional communities, and work towards achieving common goals.

AWARENESS

AIHA will promote the practice of IH to increase awareness of its value and to sustain the future of our organization

ADVANCEMENT / DISSEMINATION OF KNOWLEDGE

AIHA will explore, develop and deliver cutting-edge educational resources to advance the profession of industrial hygiene.

INTEGRITY OF IH PRACTICE

AIHA will identify, develop and maintain avenues to achieve excellence in standards of IH practice.

ADVOCACY

AIHA will advance public policies that protect the profession and foster worker health and safety.

INTERNAL OPERATIONS

INTERNAL OPERATIONS

- Office closes mid-March
 - Work from Home
 - IT Investment Pays Off
- Impact on P&L
 - Expense Reductions
 - Hiring Freeze
 - No Staff Furloughs



STATE OF VA EMERGENCY TEMPORARY STANDARD

Virginia Issues COVID-19 Emergency Temporary Standard

Monday, July 27, 2020

On July 15, 2020, the Virginia Department of Labor and Industry's Safety and Health Codes Board approved an **Emergency Temporary Standard** for COVID-19 to be enforced by the Virginia Occupational Safety and Health program (VOSH). Virginia is the first state to adopt a specific standard intended to protect workers and "to control, prevent, and mitigate the spread of [COVID-19]" in the workplace.

The emergency standard includes an extensive list of requirements that all employers within VOSH's jurisdiction must follow, regardless of the level of exposure to COVID-19, and additional requirements for employers based on exposure level. **The emergency standard goes into effect on July 27, 2020. The standard will expire after six months or "upon expiration of the Governor's State of Emergency," but the Board will be considering the adoption of a permanent standard during this same time period.**



AIHA is
a VA
employer

MEMBER PROGRAMMING

MEMBER PROGRAMMING



- **Contracts / Force Majeure**
- **Major staff pivot 2 months out / Pre-recording sessions**
- **2200+ attendees**
- **Post-event survey**
 - Because of the pandemic, drew a large audience of first-time virtual attendees.
 - Attracted older, more experienced audience with a larger than average percentage of government employee participation.
 - Technical issues experienced on day 1 had a significant impact on several different aspects of the event.
 - 82% of participants who always planned to attend AIHce virtually rated their satisfaction with session selection as satisfied/very satisfied compared to 72% of participants who originally planned to attend in Atlanta.
 - Respondents who had a negative initial reaction to AIHA's brand evolution also tended to rate other aspects negatively.

AIHce OnDemand session recordings bring the best of AIHce directly to you. Choose the topics that best meet your needs and tap into the latest IH/OEHS trends and research using your computer, tablet, or smartphone.

AIHce OnDemand

Access the world-class educational programming that was shared year-round with AIHce OnDemand!

LEARN MORE ▶



ABOUT US

(JUNE 1 BRAND EVOLUTION LAUNCH AT CONFERENCE)

AIHA is the association for **scientists and professionals committed to preserving and ensuring occupational and environmental health and safety (OEHS) in the workplace and community**. Founded in 1939, we support our members with our expertise, networks, comprehensive education programs and other products and services that help them maintain the highest professional and competency standards. More than half of AIHA's nearly 8,500 members are Certified Industrial Hygienists, and many hold other professional designations. AIHA serves as a resource for those employed across the public and private sectors, as well as to the communities in which they work.

aihceexp.org

Earn 18
CM credits
(before OnDemand)

Experience AIHce EXP 2021

ADVANCING WORKER HEALTH AND SAFETY
MAY 24-26, 2021

A truly “hybrid” event with COVID safeguards in place for in-person venue, with a new, more robust virtual platform in place!

Explore ↓

AIHA UNIVERSITY: E-LEARNING LINE-UP

NEW Virtual Events & Courses: Fall 2020

October 6-15

Dermal Exposure Assessment Virtual Conference (8 Contact Hours)

October 21

Women in IH Leadership Summit – *Managing Change and Creating a Culture of Innovation* (3.5 Contact Hours)

November 9-13

Fundamentals of Industrial Hygiene – Now Virtual! (32 Contact Hours)

November 16-20

Virtual Professional Development Course (PDC) Week
7 courses total available!

- Half-Day Courses (Each help you earn 3.5 Contact Hours)
- Full-Day Courses (Each help you earn 7 Contact Hours)



LEARN MORE:

<https://www.aiha.org/education/elearning/new-virtual-events-courses-fall-2020>

RECENT OPEN CALLS

[AIHA Academic Advisory Group](#)

[AIHA Board Nominating Committee](#)

[AIHA Strategic Planning Task Force](#)

[Defining the Science Advisory Group](#)

[IEQ-GA AIHA Representatives Selection Process](#)

[IH Hazard Identification & Exposure Risk Assessment by Market Segment Project Team](#)

[AIHA Board of Directors 2021 Nominations](#)

COMING SOON OPEN CALLS

Named Awards & Honors Nominating Committee

Expires Dec 18, 2020

AIHA Fellows Nominations

Expires Dec 31, 2020

AIHA Named Awards Nominations

Expires Jan 15, 2021

www.aiha.org/get-involved/open-calls

PUBLIC FACING OUTREACH

AIHA NETWORK TV

WHAT IT IS

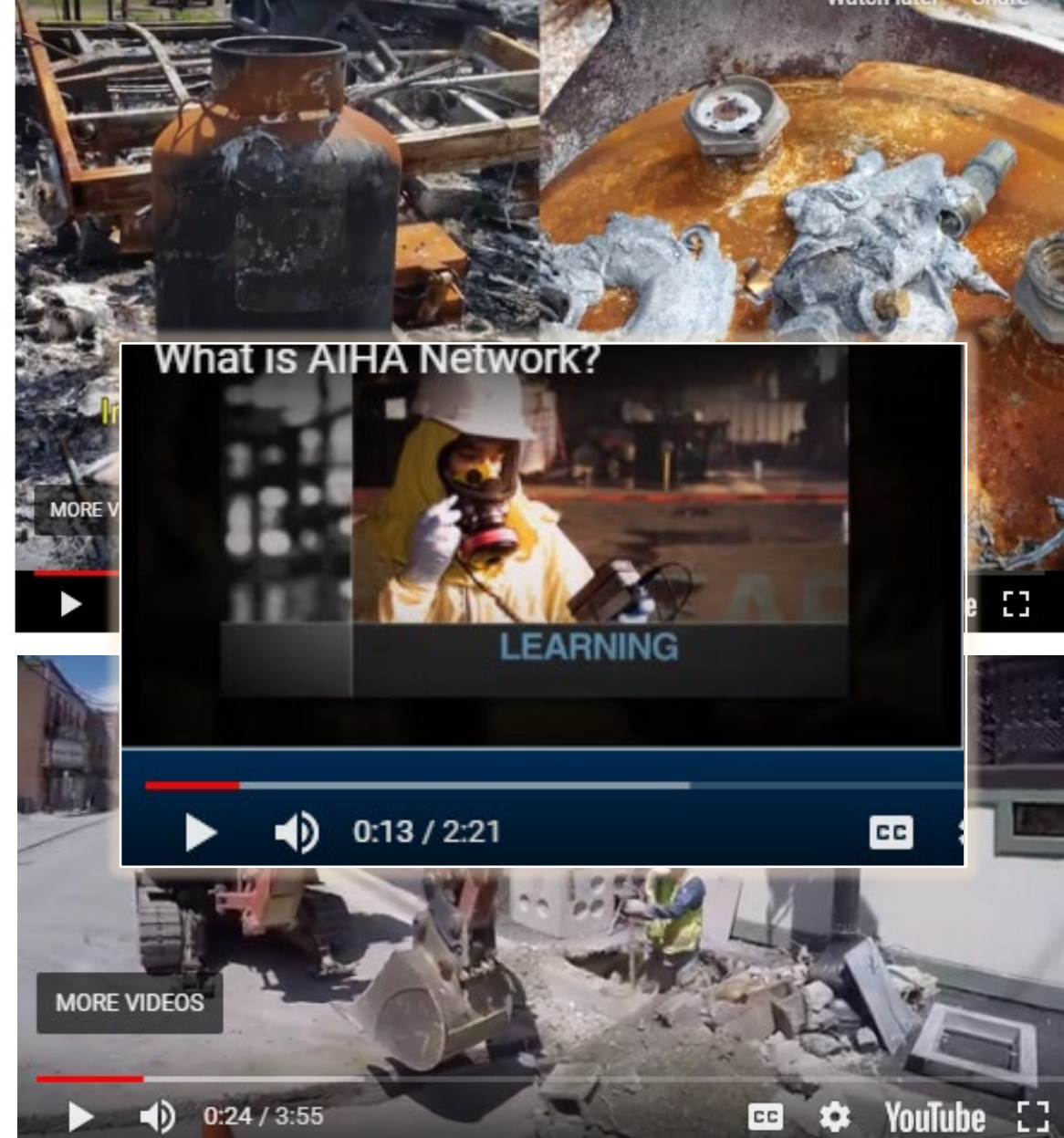
AIHA Network TV is an online television network focusing on current and relevant news, commentaries, and spotlights on AIHA and IH/OH hot topics in the industry.

<https://www.youtube.com/channel/UCzBHyp2oZBBI39mqDcCirw>

RESOURCE CENTER

- Think and Act Fire Smart
- Disaster Response
- Health & Safety Issues in Natural Disasters

<https://www.aiha.org/public-resources/consumer-resources/%0bdisaster-response-resource-center>



THREE TENETS OF AIHA'S BRAND EVOLUTION



Public Awareness



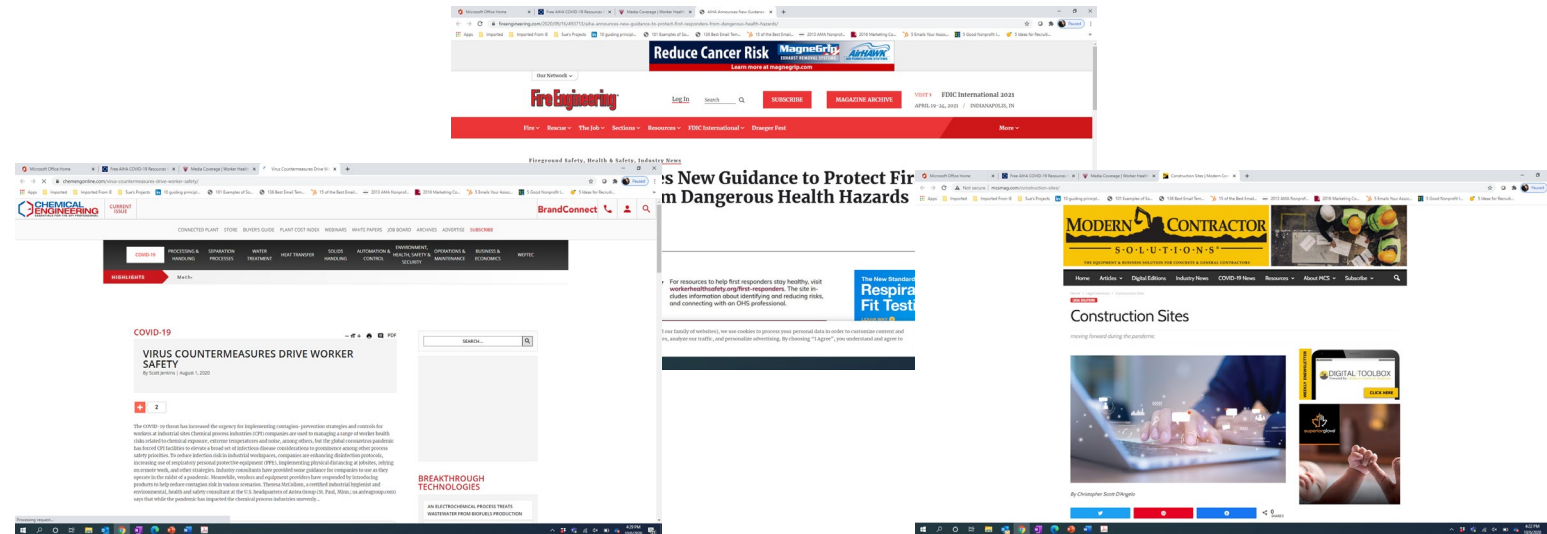
Public Education



Recruitment
to the Profession

CAMPAIGN ACCOMPLISHMENTS TO DATE

- Launch of Public Microsites
 - www.WorkerHealthSafety.org
 - <https://oehscares.org/>
- Media Outreach
 - [Modern Contractor Solutions](#)
 - [Chemical Engineering](#)
 - [Fire Engineering](#)
- Participation at Virtual USA Science and Engineering Festival ([SciFest 2020](#))





https://www.aiha.org/public-resources/consumer-resources/coronavirus_outbreak_resources/aiha-covid-19-pandemic-efforts

AIHA COVID-19 RESOURCES

- [The Role of the Industrial Hygienist in a Pandemic](#) (Guidance Document)
- [Respirator Fit-Testing Consultants Listing](#)
- [Proper Use of Respirators for Healthcare Workers and First Responders](#) (Infographic)
- [OSH Guide for Surface Disinfection Practices Using Germicidal Ultraviolet Radiation](#) (White Paper)
- [Considerations on the Safe use of UVC Radiation for Surface and Air Disinfection](#) (Infographic)
- [Personal Protective Equipment for SARS-CoV-2](#) (Guidance Document)
- [Use of Real Time Detection Systems to Protect the Public During COVID-19](#) (Guidance Document)
- [Workplace Cleaning for COVID-19](#) (Guidance Document)
- [Ergonomics Guide \(for Work-from-Home Workers\)](#) (Infographic)
- [Recovering from COVID-19 Building Closures](#) (Guidance Document)
- [Reducing the Risk of COVID-19 Using Engineering Controls](#) (Guidance Document)
- [Employers' Guide to COVID Cleaning and Disinfection in Non-Healthcare Workplaces](#) (Guidance Document)
- [Effective and Safe Practices, Guidance for Custodians, Cleaning and Maintenance Staff](#) (Guidance Document)
- [Focus on Construction Health: COVID-19](#) (Guidance Document)

AIHA OUTREACH

- [AIHA and ACOEM Call for Donations](#): AIHA, ACOEM, and AHA joined efforts urging members to make in-kind donations of any surplus PPE to help healthcare workers during this crisis, including respirators and P95, N99, N100, P95, P99, or P100 masks.
- [AIHA-ABSA International Joint Statement on Coronavirus](#): As leaders of AIHA and ABSA International, we would like to jointly show our appreciation for our members during this tenuous time and the critical work they do for the global community. ABSA International's resources in biosafety and biosecurity, as well as AIHA's resources in industrial hygiene, are crucial to both professions and the community at large.
- [OSH Professionals Recognized as "Essential Workers" by US Federal Government](#): AIHA applauds the U.S. Cybersecurity and Infrastructure Security Agency (CISA) for updating the language of its "Essential Critical Infrastructure Workforce" advisory list. The updated guidance now explicitly incorporates occupational health and safety workers, as recommended by AIHA.
- **NEW**: Currently working on forming **broad-based coalition** to address role of bio-aerosols in COVID transmission.

WE WANT AMERICA TO GET

BACK TO WORK SAFELY™

This site features expert, industry-specific guidance for both businesses and consumers to safely re-open and re-engage as they emerge from the COVID-19 quarantines.

Sponsored by AIHA®

Need an OEHS* professional? Find one now!



HOW IT ALL GOT STARTED

- States were planning to reopen
- A clear urgent need to help small businesses who didn't know how they were going to reopen...what was "safe"?
- Practical, useful, guidance based in science and OEHS methodology could help
- Industrial Hygienists are best suited to address these issues



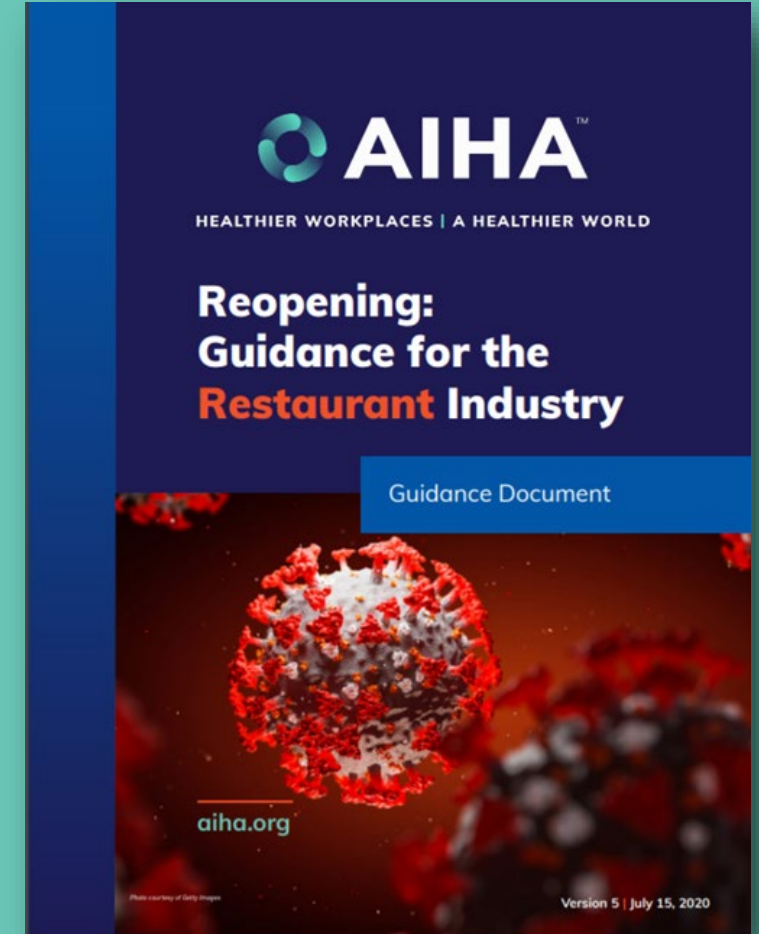
THE CUBAN STORY & THE WHITE HOUSE

- Cuban discusses how Texas isn't ready to open without clear guidance
- One idea and one email later...
- Plan was in motion to organize a task force of volunteers to help write guides
- Started with a restaurant guide



GUIDE FORMAT

- Common questions/challenges small businesses have about reopening.
- Organized Topics: Disinfection, PPE, Distancing, Restrooms, Training, etc.
- What can Employers Do?
- What can Employees Do?
- What can Guests/Patrons/Customers Do?
- Resources



CURRENT STATUS

- Many guides are available in Spanish
- Updates are monitored and made across all guides
- High impact and usability
- Posters, Webinars



INDUSTRY SECTORS

- Amateur Sports
- At-Home Service Providers*
- Bars
- Business Services (e.g. banks, dry cleaners)
- Childcare Centers
- Construction Sites*
- Dental Offices/Clinics
- General Office Settings*
- Gyms and Workout Facilities*
- Hair and Nail Salons*
- Houses of Worship
- Institutions of Higher Education
- K-12 Schools
- Libraries
- Museums and Collecting Institutions
- Outdoor Recreation (e.g. campgrounds, pools)
- Physical/Occupational/Massage Therapists
- Retail*
- Restaurants*
- Rideshare Services (e.g., taxi, Uber)*
- Small Manufacturing/Maintenance Facilities
- Small Entertainment Venues (e.g., mini golf)
- Small Lodging Establishments
- Street Vendors/Farmers Markets
- Transit Systems
- Warehousing/Transportation

*In both English and Spanish

ALLIED ORGANIZATION PARTNERSHIPS

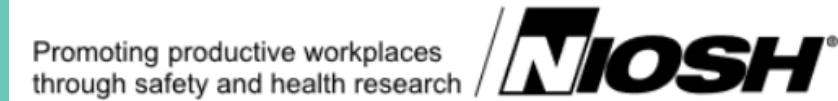
COLLABORATIONS AND SPECIAL REQUESTS



AMERICAN PUBLIC HEALTH ASSOCIATION
For science. For action. For health.



ADA American Dental Association®
America's leading advocate for oral health



www.backtoworksafely.org



SUSTAINABLE FINANCIALS

OPERATING BUDGET (\$000)

As of 8/31/20:

	Actuals	Budget	
Revenues	\$9,105	\$12,233	
Expenses	\$8,504	\$11,430	
Total Op Margin	\$601	\$803	(\$202) neg variance

Projected Year-End:

	Projection	Budget	
Revenues	\$12,909	\$16,614	
Expenses	\$13,146	\$16,691	
Total Op Margin	(\$237)	(\$77)	(\$160) neg variance

CONTENT PRIORITIES UPDATE



CONTENT PORTFOLIO ADVISORY GROUP (CPAG)

New Project Ideas: Evaluation Process

- Recommend Content Priorities to the Board & facilitate their implementation
- Ensure projects align with content priorities or fill gaps.

Existing Materials: Portfolio Analysis

- Review existing content & make product lifecycle recommendations
- Solicit proposals for new products to fill identified portfolio gaps.

Environmental Scanning: New Content

- Shepherd content development in existing priority areas.
- Scan IH profession & develop new content based on future trends & challenges.

FUTURE TRENDS IMPACTING THE OEHS INDUSTRY

Rejection of Expertise

- Growing skepticism of expertise (including scientific)

Anticipatory Intelligence

- Predictive analytics will be used to anticipate needs, opportunities and threats in the environment

Dark Data

- Rapidly accumulated data that is rarely used (IBM estimates that 90% of sensor data accumulated is never used)

Fast Data

- Emphasis on real time decision; processing and acting on the data with speed creates value

Personalized AI

- Increasing proliferation of sensor technology, wearables and human-machine hybrid work

More Human Humans

- Accelerating speed of change and continual needs for retraining, adapting to new technologies

FUTURE TRENDS IMPACTING THE OEHS INDUSTRY (CONT'D)

Aging

- Implications of an aging workforce

21st Century Guilds

- Growing advocacy needs for an increasingly independent workforce

Bifurcated Workforce

- Differentiation between mission-critical employees and task-oriented workers

New Forms of Work

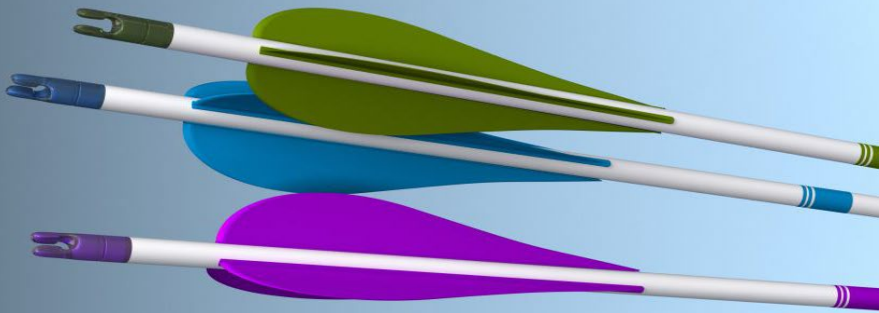
- Ever changing workplace environment

Human – machine Cooperation

- Increasing need for soft skills, mentoring, experiential learning

WHAT IS A “CONTENT PRIORITY”?

- **Content.** Offering produced in conjunction with AIHA (e.g., publications, webinars, PDCs, conference presentations, JOEH/Synergist articles).
- **Content Priority.** Concepts or themes which impact on the relevancy and value of AIHA content, and the AIHA profession in general.
- **A “Win/Win”.** Promotes AIHA’s organizational success. Informs individual strategies for career success and relevancy in the marketplace of tomorrow.



HOW ARE CONTENT PRIORITIES USED?

- **Boost Content.** Promoted to help volunteer groups enhance the impact of content around any subject matter.
- **Boost Members.** Education around content priority areas to help IH's understand how to adapt and respond to global trends and changes.
- **Boost Decisions.** Help guide AIHA resource allocations toward content.

CURRENT CONTENT PRIORITIES

Exposure Banding



```
graph TD; A[Exposure Banding] --> B[Big Data and Sensor Technology]; B --> C[Total Exposure Health]; C --> D[Serving the Changing Workforce]; D --> E[Communicating IH Concepts];
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Big Data and Sensor Technology

Total Exposure Health

Serving the Changing Workforce

Communicating IH Concepts

OVERVIEW OF EXPOSURE BANDING CONTENT PRIORITY



The continued addition of chemicals and other exposure hazards impacting the community and workplace far exceeds the capacity of the environmental health community to develop exposure level guidelines.

As such OHS science professionals are often left with few resources to help evaluate exposures and make appropriate risk management decisions using traditional methods. In response, NIOSH and other entities have developed an occupational exposure banding process for use in exposure risk assessments.

EXPOSURE BANDING

- **Vision Statements:**
 - AIHA members are leveraging cutting edge sensor technologies and data management functions to inform risk assessment and management decisions.
 - AIHA members understand and possess competencies in the application of sensor technologies and "big data" analytics to provide an integrated profile for hazards and exposures.
 - AIHA members have software platforms that use standardized data criteria and tools that facilitate the transfer of data and use of data repositories.



APPLICATION

Exposure Banding

What have we accomplished?


Online Courses:

- [How to Assess and Manage Nanomaterials Risk](#)
This online self-study course is intended for OHS professionals who are responsible for the health and safety of workers exposed to nanomaterials. Adapted from a popular professional development course, it contains 3.5 hours of instructional video and related activities.
- [Exposure Assessment Strategies and Statistics](#)
This intermediate self-study course introduces key concepts including: exposure groups, sampling designs, interpreting exposure monitoring data, Bayesian statistics and dermal exposure assessment.

Certificate Program

- **Occupational Assessment**
Prove your competency in assessing workplace exposures and hazards. Based on the [Occupational Exposure Assessment Body of Knowledge Technical Framework](#), this certificate program provides education on the competencies listed in Technical Level IH 1.

OVERVIEW OF BIG DATA & SENSOR TECHNOLOGY CONTENT PRIORITY



New applications of sensor technologies are allowing for the faster collection and communication of data across a broader set of agents. At the same time, advancements in data analysis and Artificial Intelligence are combining formerly disparate data sets and automating decision-making.

Together these developments will fundamentally alter the role of health and safety professionals.

BIG DATA & SENSOR TECHNOLOGY

- **Vision Statements:**

- AIHA members are leveraging cutting edge sensor technologies and data management functions to inform risk assessment and management decisions.
- AIHA members understand and possess competencies in the application of sensor technologies and "big data" analytics to provide an integrated profile for hazards and exposures.
- AIHA members have software platforms that use standardized data criteria and tools that facilitate the transfer of data and use of data repositories.



APPLICATION

Big Data & Sensor Technology


What have we accomplished?

- Customized presentation designed to engage AIHA Local Sections with this content priority.
- [*Technical Framework: Guidance on Use of Direct Reading Instruments*](#)
- [*Webinar: An Introduction to Big Data and Big Data Analytics*](#)
- [*Synergist Article: Predictive Purposes*](#)

What's on the Horizon?

- Data Standardization Survey to determine current IH data practices related to air and noise sampling among IH professionals and their organizations.

OVERVIEW OF TOTAL EXPOSURE HEALTH CONTENT PRIORITY



Human health outcomes are being recognized as the result of a complex interaction of factors including exposures to environmental agents, socioeconomic stressors, personal behaviors, and individual genomics.

Advancements in science and technology are allowing for the more robust collection and integration of these factors to inform interventions and decision-making.

TOTAL EXPOSURE HEALTH

- **Vision Statements:**

- OHS Professionals understand how occupational and non-occupational exposures combine to affect health outcomes and are engaging IH skill sets in assessing all exposures and their integration for overall exposure.
- OHS Professionals are recognized as exposure science experts that anticipate, recognize, evaluate and control all exposures that combine to impact human health.
- OHS Professionals are seen as valued partners collaborating with other scientific communities on initiatives involving integration of exposure data with other determinants of human health (e.g., Total Worker Health, Exposome, Total Exposure Health).



APPLICATION

Total Exposure Health

What have we accomplished?

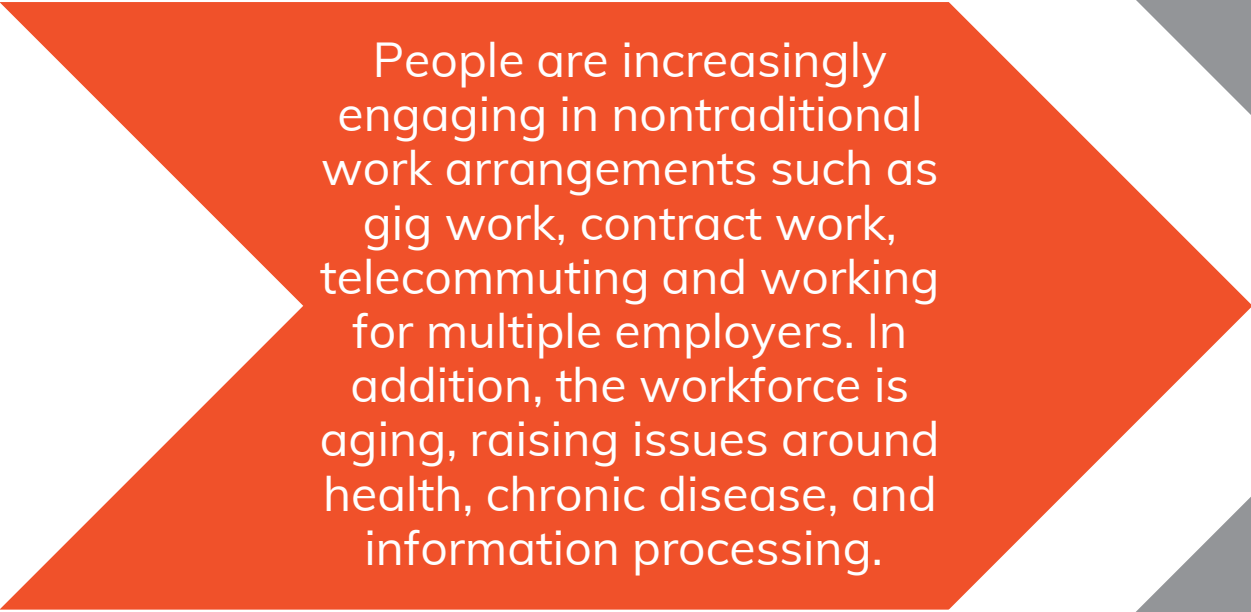
AIHA's Public Resources Encompassing Total Exposure Health

- [The Mold Resource Center](#)
Explores how for more than a decade, mold has been in the news. People are talking about the effect on population health and damage to the building. But what are the risks and issues? A number of agencies have guidelines that include protective measures for mold remediation and cleaning.
- [Protect Yourself from Noise Induced Hearing Loss](#)
Since it has an impact on every level of our lives: in the workplace, among our family and friends, and at leisure.
- [Indoor Air Quality](#)
Has received a great deal of attention in recent years. Although most of the concern originally focused on the workplace, more people are looking for answers to health and comfort problems occurring in their homes.

What's on the Horizon?

- Work in conjunction with AIHA's Total Worker Health Advisory Group.
- Early 2021 webinar highlighting Total Worker Health.

OVERVIEW OF SERVING THE CHANGING WORKFORCE CONTENT PRIORITY



People are increasingly engaging in nontraditional work arrangements such as gig work, contract work, telecommuting and working for multiple employers. In addition, the workforce is aging, raising issues around health, chronic disease, and information processing.



Couple with global economic shifts and migration, these changes will significantly impact the evolution of occupational and environmental health concerns and how they are managed.

SERVING THE CHANGING WORKFORCE

- **Vision Statements:**

- OHS Professionals are aware of the importance of non-traditional exposure profiles (i.e., multiple employers, gig work, telecommuting).
- OHS Professionals are aware of the changing workforce (i.e., aging, chronic disease).
- OHS Professionals are aware of the causes that are shaping changes in the workforce (global economic shifts, migration) to better understand implications of the changes.



APPLICATION

Serving the Changing Workforce

What have we accomplished?

- Presented on supporting AIHA Volunteer Group calls to raise awareness of this content priority and solicit volunteers for a working group.

What's on the horizon?

- Develop a communication strategy to build an awareness of this topic.
- Identify a topic for an early 2021 webinar that acknowledges the changing workforce and the resulting impact change in the way people interact with each other.

OVERVIEW OF COMMUNICATING IH

CONCEPTS CONTENT PRIORITY



Increasing growth and diversification in information sources and communication channels is continuing to dilute the influence of science-based expertise. At the same time, public skepticism toward traditional experts is growing in the face of unresolved concerns and perceived biases as various advocacy groups leverage scientific systems for their benefit.



These trends couple with technological advances around data analysis and Artificial Intelligence to further diminish the reliance on scientific expertise.

COMMUNICATING IH CONCEPTS

- **Vision Statements:**

- AIHA is a champion for generating awareness and promoting the value of the OHS profession to corporations and the community.
- AIHA develops tools to support OHS professionals in communication with Management, the C-suite, and the community.
- AIHA products always reflect consideration of the content priorities.
- AIHA identifies how OHS skills in Enterprise Risk Management demonstrate value of the profession.



APPLICATION

Communicating IH Concepts

What have we accomplished?

- [Coronavirus Outbreak Resources](#)
- [Technical Framework: Business Value Presentation](#)
- [Strategic Framework: Enterprise Risk Management](#)

What's on the Horizon?

- Develop a webinar series focusing on soft skills
- Leading Health Metrics guidance document



EDUCATION

To learn more about the current initiatives for these **5 content priorities** visit CPAG's web page www.aiha.org/cpag

PARTICIPATION

Interested in getting involved with a current content priority initiative? **Reach out to a CPAG member.**

John Baker, CPAG Chair
john.baker@bsigroup.com

Silvia Maberti, CPAG Vice Chair
silvia.i.maberti@exxonmobil.com

Ben Kollmeyer
bkollmeyer@forensicanalytical.com

Ann Lori
amlori@mmm.com

Justine Parker
justine.parker@cardno.com

Chuck Geraci
ciu9@cdc.gov

Tara Laptew, Project Manager, Technical Initiatives
tlaptew@aiha.org



TECHNOLOGY INITIATIVES

- Identify current / scan for new OEHS technology tools
- Drive development of mobile device apps for OEHS professionals
- Drive development of OEHS tools utilizing digital assistants (e.g. Siri, Alexa)
- Drive increased awareness, acceptance, and use of technological tools related to big data, machine learning, and artificial intelligence
- Improve use of technology to open new avenues of delivery for AIHA created content

((new))

CONNECT NOW!



Look for exclusive AIHA information, updates, and offers



Check out *AIHA Network TV*, the I AM IH™ video series, and view popular uploads



Follow us for important industry news and happenings



Get more information at **aiha.org**



Join the discussion with other like-minded professionals

Q&A

Thank you for listening!

Lawrence Sloan, MBA, CAE

(703) 846-0760

lsloan@aiha.org