

Occupational and Environmental Health and Safety (OEHS) Support



Unprecedented Resources Across the Risk Continuum



Cardno ChemRisk is a scientific consulting firm that is respected worldwide for its risk sciences experience, technical capabilities, industry leadership and pioneering spirit. We specialize in helping clients characterize the health, safety, and environmental risks associated with complex exposures involving chemicals, pharmaceuticals or radionuclides in a variety of media and environments. Our occupational and environmental health and safety (OEHS) professionals have backgrounds in exposure assessment, industrial hygiene, epidemiology, toxicology, engineering, and biostatistics.



Elite Medical Experts aligns top-tier university experts for insurers, corporations, and governmental entities facing complex challenges in Occupational Medicine and Environmental Health and Safety. We work with clients to develop actionable strategy and tactics for the consultative and litigation needs of each engagement, and then set out to identify and secure thought-leading experts in any requisite medical, surgical, or toxicologic field. With over 8000 engagements in all 50 states and internationally, Elite tackles complex issues at the intersections of Medicine, Business & Law.

Combining Resources

Cardno ChemRisk and Elite Medical Experts combine resources to span the risk continuum from exposure science, toxicology, and industrial hygiene to physician-led analysis of complex work-related health issues and medical consultation across the full spectrum of Occupational Medicine (OM) & Occupational and Environmental Health and Safety (OEHS). Clients can now rely on industry-leading resources in all core OM and OEHS subjects, including occupational illness and injury, toxicology, epidemiology, medical surveillance, toxic torts, negligence, workers' compensation, causation analysis, preventive medicine, health promotion, well-being and resilience, and other employee health and safety topics. From scientific consultation to on-site engagements --- and with unprecedented access to leading scientists, physicians, and surgeons --- Cardno ChemRisk and Elite provide our global clients with consultative resources to handle virtually any OM/OEHS issue.

Risk Sciences

1. Risk management framework development
2. Workplace risk assessment for employees and customers
3. Hazard identification and screening
4. Occupational exposure limit (OEL) development and hazard banding
5. Laboratory toxicology study design and review
6. Exposure modeling
7. Sampling strategy development
8. On-site sampling/monitoring for biological, chemical, and physical hazards
9. Simulation studies
10. Dose-response and causality analysis
11. Statistical analysis of public health and clinical data
12. Systematic literature review and meta-analysis
13. Worker surveillance
14. Hazard and risk communication
15. Training

Emergency and Pandemic Preparedness and Response

1. Risk management framework development
2. Chemical spill responses preparedness
3. Infectious disease plan development and review
4. Air monitoring
5. Pandemic planning and response (COVID-19, influenza, other respiratory pathogens)
6. Emergency response protocols, equipment, and training
7. Infectious disease in the workplace
8. Assessment and risk mitigation of biological, physical, and chemical hazards
9. Substance abuse and workplace drug testing programs
10. Industrial hygiene monitoring (area, personal, air, product)

Workplace/Consumer Illness and Injury Support and Prevention

1. Illness and injury prevention, management, reporting, and follow-up
2. Ergonomics
3. Evaluation of potential associations/causal links between work-related exposure and illness
4. Medical examination for certification of asbestos-related lung disease
5. Preventive medicine, health promotion, and employee resilience programs
6. Product safety and health-related consumer complaints
7. Protocols for functional capacity and fitness for duty evaluations

Regulatory Support

1. Equal Employment Opportunity Commission (EEOC) - health-related discrimination issues
2. Federal Motor Carrier Safety Administration (FMCSA) - drug testing and Medical Review Officer (MRO) compliance
3. Family and Medical Leave Act (FMLA)
4. Occupational Safety and Health Administration (OSHA) – exposure assessment, medical surveillance, hazard communication
5. Proposition 65 (Prop. 65) – product exposure and risk assessments
6. The Americans with Disabilities Act (ADA) - compliance, accommodations, fitness for duty, medical clearance, return to work
7. Toxic Substances Control Act (TSCA) – occupational and consumer use hazard and exposure assessments, regulatory comment support
8. Workers' Compensation

Data Analytics

1. Geospatial data mapping
2. Statistical analysis
3. Dashboard development
4. Illness and injury data management and analysis
5. Personal health data, health risk factors, and preventive health program metrics
6. Health data integration: medical, pharmacy, preventive health, workers comp, disability
7. Occupational health and safety program review and assessment

Sustainability and Product Stewardship

1. Sustainability/ESG strategy and indicator data collection
2. Stakeholder & supply chain engagement
3. Green chemistry and alternatives assessment
4. Chemical footprinting
5. State of knowledge evaluation & data gap evaluation
6. Product liability and safety
7. Health and productivity of the workforce
8. Consumer safety-related complaints
9. Exposure assessment: occupational, environmental, consumer

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