

Data & Surveillance Work Group

Dr. Matt Hinds-Aldrich | American Assoc. of Insurance Services

Eric Thibodeaux | R.E.M. Risk Consultants

2024 Goals

1. **NERIS:** Provide input – individually and collectively
2. **Data Sources:** Identifying public & private data sources - gaps & overlaps
3. **Incident Tracking:** Ongoing



Nat'l Emergency Response Information System



- Wholesale change in the system (and data architecture) for how fire departments collect and share data
 - CO alarms & exposures are some of hundreds of types of incidents that FDs respond to
 - Need to Have vs. Want to Have vs. Nice to Have
- Draft data dictionary re: CO Alarm presence already revised based upon input from committee members
 - Will benefit from ongoing collaboration and guidance relative to CO alarms & exposure documentation

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CO Data Dictionary Wishlist



Carbon Monoxide
Safety Coalition
by NCOAA

- Consensus definition on reporting CO poisonings & deaths
 - Identify existing definitions (Taxonomy & Ontology)
 - Differing data needs for different data use cases
 - Lack of consistent definitions provides a false negative
 - Developing a proposed CO Data Dictionary
 - Coordinate with additional NCOAA workgroups, as needed

Ongoing Project

- **CO Incident Tracking:**
 - **Track:** Documented incidents in news
 - **Categorize:** Details and add to incident database
 - **Publish:** on NCOAA website
 - **Future Plans:** Add map feature on website
- **Coordinate & Assist:** With other NCOAA Work Groups

Project Details cont....

Vehicle CO Prevalence Study:

What: Are cars with young children regularly in them emitting harmful levels of CO in the cabin?

Who: Pilot study with NC OSFM and Safe Kids Worldwide

Where: During an existing car seat check or installation, certified car seat technicians would document either a two week long CO datalogger or a point-in-time CO reading in the vehicle

How: Using UK study by Dr. Sophie as baseline

Recent Presentations & Speakers



- **Jacqueline Wilmot (FPRF@NFFPA)** Research report on CO Incidents: Review of Data Landscape
 - Latest in a series of research looking at CO exposures, detection thresholds, & alarms requirements
- **Jonathan Wilson (Nat'l Center for Health Homes)** Retrospective analysis of data from 8 previous studies
 - Calculate standard measure of reporting
 - Identify common trends and findings
 - Not a prevalence study
- **Patrick Smith (WG Co-Lead)** Industrial Hygiene Data Standard

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Join the Data Surveillance Work Group

