

Agents of Opportunity for Terrorism

*Toxic Industrial Chemicals (TICs),
Toxic Industrial Materials (TIMs),
and Toxic Radiological Materials (TRMs)*

July 29-30, 2025



Save the Date for this *FREE* Virtual Course

Registration Opening Soon on the [ACMT Learning Center](#)

Presented by



American College
of Medical Toxicology



REAC/TS
Radiation Emergency
Assistance Center/Training Site

In Partnership With



Southern Regional Disaster Response System
HHS Region 4

Overview

In recent years, there has been growing concern that many of the most likely terrorist threats will involve “agents of opportunity” or materials that are readily available in most communities around the country.

The American College of Medical Toxicology (ACMT) and the Radiation Emergency Assistance Center/Training Site (REAC/TS) in partnership with the Region 4 Regional Disaster Response System (Southern Regional Disaster Response System - SRDRS) are pleased to offer this course on emergency medical response to exposures from radioactive materials and toxic chemicals. The Coordinating Office for Environmental Readiness, Response and Recovery (COER3) in the Office of the Director, within the National Center for Environmental Health/Agency for Toxic Substances & Disease Registry (NCEH/ATSDR) at the Centers for Disease Control & Prevention (CDC), supported the delivery of this unique course to familiarize health care providers and responders with toxic exposures. The course will review the medical and psychological consequences of exposures to a variety of chemical and radiological materials. It will include practical information regarding scene safety for such agents as high potency fentanyl analogs, inhaled irritants, and proper decontamination of a victim contaminated with radiological material.

Target Audience

- State & Local First Responders
- Emergency Nurses & Physicians
- Pharmacists
- Emergency Response Coordinators
- Public Health Officials
- Public Health Professionals
- Industrial Hygienists
- Professionals involved with chemical terrorism preparedness and response

Agents of Opportunity for Terrorism

Agenda Summary | All Times in EDT

Day 1 | July 29, 2025

AoOT: Toxic Radiological Materials (TRMs)

- 8:50am - 9:00am • Opening Remarks
- 9:00am - 10:00am • **Practical Radiation Physics & Radiation Protection**
- 10:00am - 11:00am • **Acute Radiation Syndrome (ARS)**
- 11:00am - 11:10am • Break
- 11:10am - 12:00pm • **Radiation Instrumentation and Early Dose Magnitude Estimation**
- 12:00pm - 1:00pm • **Cutaneous Radiation Injuries**
- 1:00pm - 1:30pm • Lunch
- 1:30pm - 2:20pm • **Radiation Emergencies for Healthcare Providers**
- 2:20pm - 3:10pm • **Common Radiation Sources**
- 3:10pm - 3:20pm • Break
- 3:20pm - 4:10pm • **Management of Internal Contamination**
- 4:10pm - 5:00pm • **Donning/Doffing and Decontamination**
- 5:00pm - 5:10pm • Closing Remarks & Adjourn

Day 2 | July 30, 2025

AoOT: Toxic Industrial Chemicals (TICs) and Toxic Industrial Materials (TIMs)

- 8:50am - 9:00am • Opening Remarks
- 9:00am - 9:40am • **Toxic Disasters: Beyond Conventional Chemical Weapons**
- 9:40am - 10:00am • **Chemical Explosions**
- 10:00am - 10:40am • **Toxic Gases as Threats**
- 10:40am - 10:50am • Break
- 10:50am - 11:30am • **Why are Cyanide & Fumigants So Worrisome**
- 11:30am - 12:10pm • **Food, Water & Medication as Vehicles for Toxic Threats**
- 12:10pm - 1:00pm • **Clinical Neurotoxicology of Chemical Threats**
- 1:00pm - 1:30pm • Lunch
- 1:30pm - 2:10pm • **Delayed Toxic Syndromes**
- 2:10pm - 2:50pm • **The Psychological Impact of Mass Exposures**
- 2:50pm - 3:00pm • Break
- 3:00pm - 3:40pm • **After Event Population Monitoring: Pros & Cons**
- 3:40pm - 4:40pm • **Scenario-Based Discussion**
- 4:40pm - 4:50pm • Closing Remarks & Adjourn

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