

Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive Events



Course Information Packet

National Emergency Response and Rescue Training Center (NERRTC)

The Texas Engineering Extension Service

The Texas A&M University System

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Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events

The National Emergency Response and Rescue Training Center (NERRTC) has developed courses as part of the National Domestic Preparedness Consortium's curricula to improve the abilities of jurisdictions to combat domestic terrorism. The courses provide training to first responders at the awareness, operations, technician, or incident command levels. *Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events*, an operations or technician-level course, is one of several taught by the NERRTC and funded by The U.S. Department of Homeland Security.

Course Overview

This course will equip first responders and first receivers with the skills needed to ensure proper patient triage, treatment, and transportation in the event of exposure to chemical, biological, radiological, nuclear, and explosive (CBRNE) weapons. Exercises conducted in a CBRNE scenario will reinforce classroom lectures and interaction. Participants will use their training to demonstrate proper techniques for assessment, triage, mass decontamination considerations, treatment and stabilization. In addition, course participants will receive training on the proper techniques for protecting themselves and limiting cross-contamination.

The course will enable participants to:

- Respond to an incident involving CBRNE.
- Address environmental factors and protective issues for both first responders and the public.
- Plan for the potential consequences of a CBRNE incident.
- Understand the basics of recognizing and identifying CBRNE agents and their physiological effects on the human body.
- Through case study discussion, enable participants to apply the RAPID-Care concept to a CBRNE incident.
- Apply appropriate self-protection measures as well as other measures necessary to limit patient cross-contamination.
- Apply assessment skills to Adult and Pediatric patients.
- Understand basic decontamination considerations.
- Use the Simple Triage and Rapid Treatment (START) system during a CBRNE or terrorist incident to include procedures to avoid patient, vehicle, and facilities cross-contamination.

Intended Audience

The course is designed to assist a jurisdiction in developing an EMS incident management team capable of planning for and responding to a CBRNE or terrorist incident. To facilitate this process, jurisdictions are encouraged to send a balanced combination of personnel from emergency response organizations and hospitals throughout the jurisdiction and surrounding areas. Participants should include state or nationally certified/licensed healthcare professionals who conduct scene response and/or render patient care. If desired, personnel from other city, county, state and federal EMS agencies located within the jurisdiction may also attend the course.

Maximum class enrollment – 40

This is an operational course primarily intended for response personnel and support staff. In addition, first line supervisory staff and administrative personnel may benefit from the program.

Jurisdictional Support and Coordination Requirements

Each jurisdiction scheduling a course must organize participants and supply other personnel and equipment support:

Personnel

- One primary point of contact (POC) with ability to provide phone, pager, fax, and e-mail for coordinating all course scheduling and administrative support.
- A maximum of 40 course participants. Additional participants may be allowed with prior approval.

Recommended Courses

- Participants are strongly recommended to complete two internet courses prior to attending the PER 211 course. Participants are able to print their own completion certificates for these internet courses.
- The courses are *WMD/Terrorism Awareness for Emergency Responders* and *EMS Concepts for WMD* which are found at the following website www.teexwmdcampus.com.

Facilities and Equipment

- Classroom seating for up to 40 participants with an additional “breakout room” (near the primary classroom) capable of supporting small group activities and exercises. Due to amount and weight of equipment, classrooms located on any floor other than ground must have elevator access.
- The Adult Human Patient Simulator (HPS) and a Pediatric Human Patient Simulator (HPS) are devices that will be used during class. The HPS’s utilize non-flammable compressed gasses to include oxygen, nitrogen, compressed air, and carbon dioxide. The selected classroom should be an area approved to house these gasses overnight during the duration of the class.
- A screen suitable for viewing at any angle by the entire class.
- A dry-erase marker board or chalk-board.
- Access to a forklift is highly desirable

NERRTC Contributions

NERRTC will provide each jurisdiction with the following:

- The instructional team.
- All instructional materials and handouts.
- Certificates of completion for all course participants.
- Funding for the instructional team (including travel and per diem costs) and all instructional materials.

There are no direct costs or course costs to the jurisdiction. NERRTC and TEEX do *not*, however, cover the costs of jurisdictional salaries or travel and per diem costs for course participants, should they be required.

Continuing Education

This course is approved for continuing education (CE/CEU's) by the:

- American Academy of Family Physicians (AAFP) for 15.0 hours (AAFP Prescribed credit is accepted by the AMA as equivalent to AMA PRA Category 1 Credit toward the AMA Physician's Recognition Award)
- Emergency Nurses Association (ENA) for 15.0 hours. This continuing education activity was approved by the Emergency Nurses Association, an accredited approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Upon successful completion of all coursework, a letter will be provided to the participant outlining the specific amount of CEU's that were awarded.

For additional information or to schedule a course, please contact:

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