

Checklists for Hazardous Materials Emergency Preparedness



Stephen W. Borron, MD, MS

KEYWORDS

- Checklist • Emergency management plan • Hazard vulnerability analysis
- Human resources • Antidote stocking • Personal protective equipment

CHECKLIST 1: GENERAL AND HAZARDOUS MATERIALS DISASTER PREPAREDNESS

Adapted from article 3, “Hospital Preparedness for Chemical and Radiological Disasters,” with thanks to Drs Robert Geller and Brooks Moore, and Ms Charlotte Clark.

The following is a checklist for development of hospital preparedness for chemical and radiological hazardous materials and other disaster preparedness. It is not intended to be comprehensive, but should help to guide preparation. Selected Web resources are provided without implied endorsement.

- Mitigation
 - Review Joint Commission requirements for emergency management
 - http://www.jointcommission.org/emergency_management.aspx
 - Designate hospital emergency manager and emergency management team
 - <https://cdp.dhs.gov/training/courses/frame>
 - <https://cdp.dhs.gov/training/courses/ic>
 - <https://cdp.dhs.gov/training/courses/hert>
 - <http://www.calhospitalprepare.org/hics>
 - Conduct hazards vulnerability analysis (HVA)
 - <http://www.calhospitalprepare.org/post/hazard-vulnerability-analysis-tool>
 - Draft hospital all-hazards response plan
 - http://www.cdc.gov/phpr/healthcare/documents/HAH_508_Compliant_Final.pdf
 - <http://www.calhospitalprepare.org/emergency-operations-plan>
 - <http://www.fema.gov/pdf/plan/slg101.pdf>
 - <http://www.acep.org/clinical-practice-management/hospital-disaster-preparedness-self-assessment-tool>
 - Detail specific chemical and radiological emergency annexes to plan
 - <https://www.osha.gov/Publications/osha3249.pdf>
 - <http://www.acep.org/ems/>

Department of Emergency Medicine, Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center, 4801 Alberta Avenue, Suite B3200, El Paso, TX 79905, USA
E-mail address: stephen.borron@ttuhsc.edu

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- Appoint subject matter expert for chemical and radiological events
 - <http://acmt.net/cgi/page.cgi/findtoxicologist.html>
 - <http://www.aapcc.org/centers/>
 - <http://clintox.org/contact.cfm>
- Establish communications plan
 - <http://www.calhospitalprepare.org/communications>
- Conduct bed and surge capacity survey
 - <http://archive.ahrq.gov/news/ulp/btbriefs/btbrief3.pdf>
 - <http://www.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-cbcbpp-plan.pdf>
 - <http://www.calhospitalprepare.org/healthcare-surge>
 - <http://www.calhospitalprepare.org/mass-fatality-planning>
- Establish regional partners for specialty care
 - http://www.ameriburn.org/verification_verifiedcenters.php
 - <http://orise.orau.gov/reacts/>
 - <http://www.facs.org/trauma/verified.html>
 - <http://www.aapcc.org/centers/>
 - <http://www.ritn.net/About>
- Develop memoranda of understanding with regional partners, transfer criteria, and patient tracking system
 - <http://www.aha.org/content/00-10/ModelHospitalMou.pdf>
 - <http://www.calhospitalprepare.org/memoranda-understanding>
 - <http://www.emsystems.com/info/emtrack.html>
- Preparation
 - Educate frontline staff on toxidromes of common chemical and radiological exposures and injuries
 - <http://www.ahls.org/ahls/ecs/courses/courses.html>
 - <http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=is-346>
 - https://www.osha.gov/dts/osta/bestpractices/html/hospital_firstreceivers.html
 - Purchase, train, and maintain personal protective equipment (PPE)
 - See checklists 2 to 5
 - http://www.remm.nlm.gov/radiation_ppe.htm#emergencies
 - https://www.osha.gov/dts/osta/bestpractices/firstreceivers_hospital.pdf
 - See checklist 8
 - Purchase and maintain antidote stockpile
 - <http://cjem-online.ca/v4/n1/p23>
 - <http://cjem-online.ca/sites/cjem-online.ca/files/v4n1-AppendixA.pdf>
 - Designate procedures to access Strategic National Stockpile
 - <http://chemm.nlm.nih.gov/sns.htm>
 - <http://chemm.nlm.nih.gov/chempack.htm>
- Response
 - Develop security protocols for hospital lockdown
 - <http://www.acep.org/search.aspx?searchtext=lockdown>
 - <http://www.ahcancal.org/searchcenter/Pages/Results.aspx?k=lockdown>
 - Specify decontamination area, with temporary or fixed decontamination facility
 - <http://www.hsph.harvard.edu/wp-content/uploads/sites/1435/2013/01/Hospital-Decontamination-Self-Assessment-Tool-2013.pdf>
 - https://www.osha.gov/dts/osta/bestpractices/html/hospital_firstreceivers.html

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