



**Disaster Medical Readiness Learning Module 2008**  
**Matrix for National Planning Scenario and Target Capabilities List**

National Scenario	Nuclear Detonation – 10-Kiloton Improvised Nuclear Device	Biological Attack – Aerosol Anthrax	Biological Disease Outbreak – Pandemic Influenza	Biological Attack – Plague	Chemical Attack – Blister Agent	Chemical Attack – Toxic Industrial Chemicals	Chemical Attack – Nerve Agent	Chemical Attack – Chlorine Tank Explosion	Natural Disaster – Major Earthquake	Natural Disaster – Major Hurricane	Radiological Attack – Dispersal Device	Explosives Attack – Bombing Using IED	Biological Attack – Food Contamination	Biological Attack – Foreign Animal Disease	Cyber Attack
<b>Target Capability</b>															<i>No medical response req.</i>
<b>Planning</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Interoperable Communications</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>PH Lab</b>		Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite								Botulism		
<b>PH Epidemiology</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague					Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma		Botulism		
<b>Citizen Preparedness and Participation</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Dispersal Device, Radiation Trauma,	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Worker Health and Safety</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma				
<b>Public Safety and Security Response</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Environmental Health and Vector Control</b>	Radiation Criticality Radiation Trauma		Pandemic Flu	Pneumonic Plague		BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma		Botulism		
<b>Explosive Device Response Operations</b>	Radiation Criticality Radiation Trauma				Mustard/ Lewisite						Radiation Trauma	CHI with Chest Trauma, Pneumothorax			
<b>Firefighting Operations and Support</b>	Radiation Criticality Radiation Trauma				Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax			
<b>WMD/Hazmat and Decon</b>	Radiation Criticality Radiation Trauma	Anthrax			Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine			Radiation Trauma	CHI with Chest Trauma, Pneumothorax			
<b>CBRNE Detection</b>	Radiation Criticality Radiation Trauma				Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax			
<b>Citizen Protection</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma		Botulism		
<b>Isolation/Quarantine</b>		Anthrax	Pandemic Flu	Pneumonic Plague				Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma				
<b>Search and Rescue</b>	Radiation Criticality Radiation Trauma					BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax			
<b>Emergency Public Information and Warning</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Triage and Pre-hospital treatment</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Onsite Treatment and Management</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Medical Surge</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Medical Supply Management and Distribution</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		
<b>Mass Prophylaxis</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague					Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma				
<b>Mass Care (Shelter, Feeding and Related Services)</b>	Radiation Criticality Radiation Trauma		Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin		Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma				
<b>Fatality Management</b>	Radiation Criticality Radiation Trauma	Anthrax	Pandemic Flu	Pneumonic Plague	Mustard/ Lewisite	BZ, Cyanide, Mustard, Phosgene, Sarin	Sarin	Chlorine	Amputation, Arm, CHI with Chest Trauma	Dehydration, Laceration, Multiple Injuries	Radiation Trauma	CHI with Chest Trauma, Pneumothorax	Botulism		

Unless otherwise indicated, all the above scenarios are included in METI's Disaster Medical Readiness (DMR) Learning Module. Each of the 20 target capabilities identified directly or indirectly support medical response with the 13 target capabilities highlighted in **yellow** directly or indirectly supporting the goals of hospital and public health preparedness. The other 17 target capabilities identified in the Target capabilities list does not have a medical response component.