

## HEALTH HAZARD ASSESSMENT AND PRIORITIZATION TOOL

### BIOLOGICAL HAZARDS

HAZARD	PROBABILITY*	HEALTH SEVERITY	HEALTH SYSTEM IMPACT			MITIGATION CAPACITY		RISK SCORE
			PUBLIC HEALTH	EMS/ HEALTHCARE	BEHAVIORAL/ MENTAL HEALTH	RESPONDER AGENCIES	COMMUNITY AGENCIES	
			Improbable: 0 Remote: 1 Occasional: 2 Probable: 3 Frequent: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	
Aerosolized Anthrax	1	4	3	3	3	2	2	1.25
Agroterrorism	1	3	2	2	2	3	2	0.19
Botulism	3	4	2	1	1	3	2	-0.75
Emergent Disease	2	3	3	2	2	2	1	1.50
Intentional Food Contamination	1	3	2	1	2	3	2	0.00
Natural Food Contamination	3	3	2	1	2	3	2	0.00
Pandemic Flu	1	4	3	3	3	3	1	1.25
Pneumonic Plague	1	4	2	3	2	3	2	0.50
Smallpox	1	3	3	3	3	2	2	0.94
Tularemia	3	3	2	1	1	3	3	-1.13
Vectorborne	4	3	2	1	1	3	2	-0.75
Water Contamination	3	2	2	2	1	3	2	0.00

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### CHEMICAL & RADIOLOGICAL HAZARDS

HAZARD	PROBABILITY*	HEALTH SEVERITY	HEALTH SYSTEM IMPACT			MITIGATION CAPACITY		RISK SCORE
			PUBLIC HEALTH	EMS/ HEALTHCARE	BEHAVIORAL/ MENTAL HEALTH	RESPONDER AGENCIES	COMMUNITY AGENCIES	
			NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Low: 1 Moderate: 2 High: 3 Extreme: 4	NA: 0 Low: 1 Moderate: 2 High: 3 Extreme: 4	
Blister Agent	1	3	2	3	2	2	2	0.56
HazMat Incident – Fixed Facility	3	3	1	1	1	3	2	-1.13
HazMat Incident –Transportation	3	3	2	2	1	3	2	0.00
Improvised Explosive Device	1	4	2	2	2	3	2	0.25
Mass Casualty HazMat Incident	1	4	3	3	2	2	2	1.00
Nerve Agent	1	4	3	3	3	2	2	1.25
Nuclear Attack – 10 Kiloton Device	1	4	3	3	3	2	2	1.25
Nuclear Facility Failure	2	2	3	2	2	2	2	0.75
Radiological Dispersal Device	1	3	2	2	2	2	2	0.38
Radiological Incident – Fixed Facility	1	2	1	1	1	2	1	0.00
Ricin	1	3	2	2	2	2	1	0.56
Small Casualty HazMat Incident	4	2	1	1	1	4	1	-1.00

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### NATURAL HAZARDS

HAZARD	PROBABILITY*	HEALTH SEVERITY	HEALTH SYSTEM IMPACT			MITIGATION CAPACITY		RISK SCORE
			PUBLIC HEALTH	EMS/ HEALTHCARE	BEHAVIORAL/ MENTAL HEALTH	RESPONDER AGENCIES	COMMUNITY AGENCIES	
			Improbable: 0 Remote: 1 Occasional: 2 Probable: 3 Frequent: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	
Civil Disorder	1	3	2	3	1	3	2	0.19
Climate Change	2	2	1	1	1	2	2	-0.25
Coastal Erosion	3	0	0	0	0	3	3	0.00
Dam Failure	1	3	3	3	3	2	2	0.94
Drought	2	2	3	2	1	2	2	0.50
Earthquake - Catastrophic	1	4	4	4	4	2	2	2.00
Earthquake - Moderate	3	2	2	2	1	3	3	-0.38
Extreme Summer Weather	3	1	1	1	1	3	3	-0.56
Fire - Large-scale Urban	1	3	3	3	3	3	2	0.75
Flood	3	2	3	3	3	2	1	2.25
Landslide	3	2	2	3	3	3	2	1.13
Severe Winter Storm	1	2	2	2	1	3	2	0.00
Storm Surge	1	0	0	0	0	3	2	0.00
Tsunami	1	2	2	2	2	2	2	0.25
Wildfire	4	3	3	3	3	3	2	3.00
Windstorm	3	2	1	1	1	3	2	-0.75

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### TECHNOLOGICAL HAZARDS

HAZARD	PROBABILITY*	HEALTH SEVERITY	HEALTH SYSTEM IMPACT			MITIGATION CAPACITY		RISK SCORE
			PUBLIC HEALTH	EMS/ HEALTHCARE	BEHAVIORAL/ MENTAL HEALTH	RESPONDER AGENCIES	COMMUNITY AGENCIES	
			Improbable: 0 Remote: 1 Occasional: 2 Probable: 3 Frequent: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	NA: 0 Negligible: 1 Marginal: 2 Critical: 3 Catastrophic: 4	
Communications Failure	2	1	3	4	3	2	1	0.88
Cyber Attack	1	2	3	3	3	2	1	0.75
Electrical Failure	3	2	3	3	3	2	1	2.25
Information Systems Failure	2	2	3	3	3	2	1	1.50
Sewer Failure	1	2	3	3	3	2	1	0.75
Supply Shortage	2	2	2	3	3	2	1	1.25
Transportation Failure	2	3	3	4	3	1	1	3.00
Water Supply Contamination	2	2	2	3	3	2	0	1.50
Water Supply Disruption	3	2	3	4	3	2	0	3.00

# Top 10 Hazards

