Top Public Health Hazard and Vulnerability Assessment Scores, Maine, 2012

Type of Event	Relative Threat
Technological Events	
Cyber Attack	83%
Medical Supply Disruption/Shortage	78%
Major Communications Disruption	72%
Information Systems Failure	56%
Major Infrastructure Damage	44%
Naturally Occurring Events	
Tornado	78%
Earthquake	50%
Flood	50%
Pandemic/Epidemic	48%
Hurricane	44%
Drought	44%
Extreme heat	41%
Human Related Events	
Mass Casuality Incident	67%
Large Public events	44%
Events involving Hazardous Materials	
Hazmat Incident	56%

The purpose of the Maine Public Health Vulnerability Analysis (HVA) is to determine areas of vulnerability relative to potential but likely hazards that threaten the public health of the citizens of the state of Maine. Results of the HVA will be used by Maine public health emergency preparedness planners and responders to further prepare for hazardardous events to which citicens are most vulnerable.

Forty eight Maine subject matters experts representing various state and local sectors including healthcare, public health, EMS, EMA, and law enforcement, assembled to participate in the HVA. The meeting was facilitated by an outside, objective, professional facilitator.

The instrument used for the HVA was a modification of the Kaiser Permanente Hospital Vulnerability Assessment tool. The instrument was modified by Maine CDC's Public Health Emergency Preparedness (PHEP) staff making it applicable to public health.

The definition of Risk as operationalized in the instrument is as follows:

Relative Threat = Probablility of the event x Severity of the event

Severity = Magnitude - Mitigation

These scores do not measure how well prepared Maine is for each type of event, only the need for such preparation based on the likely probability and severity of the event (accounting for assumed magnitude and current mitigation).

The listed hazards are those with relative threats of 40% or more; those threats with a high probabliliy of occurring.

This assessment was first done by PHEP in 2012. No previous year data is available. While some variation may exist in different areas of the state, this analysis has not been completed.