

**Appendix F**  
**Example 1. Kaiser Permanente Hazard Vulnerability Analysis**

**HAZARD AND VULNERABILITY ASSESSMENT TOOL**  
(example of format used with a complete threat list)

**RISK = PROBABILITY \* SEVERITY**

**TECHNOLOGIC EVENTS**

EVENT	PROBABILITY	SEVERITY = (MAGNITUDE - MITIGATION)						RISK
		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	
		<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Preplanning</i>	<i>Time, effectiveness, resources</i>	
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
Mass Casualty Incident (trauma)								
Terrorism, Biological								
Mass Casualty Incident (medical/infectious)								
Fuel Shortage								
Natural Gas Failure								
Water Failure								
Sewer Failure								
Steam Failure								
Fire Alarm Failure								
Communications Failure								
Medical Vacuum Failure								
HVAC Failure								
Information Systems Failure								
Fire, Internal								
Hazmat Exposure, Internal								
<b>AVERAGE SCORE</b>								

<sup>§</sup>Threat increases with percentage.