

Kaiser Permanente

Emergency Preparedness and Management

Hazards - Near Southwest Preparedness Alliance (2021)

Hazard and Vulnerability Assessment Tool

Naturally Occurring Events

Event	PROBABILITY Likelihood this will occur	ALERTS	ACTIVATIONS	SEVERITY = (MAGNITUDE - MITIGATION)						RISK * Relative threat (Ranking)
				HUMAN Possibility of death or injury	PROPERTY Physical losses and damages	BUSINESS Interruption of services	PREPARED- Preplanning	INTERNAL Time, effectiveness, resources	EXTERNAL Community/Mutual Aid staff and supplies	
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	Number of Alerts	Number of Activations	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	0 = N/A 1 = High 2 = Moderate 3 = Low	0 = N/A 1 = High 2 = Moderate 3 = Low	0 - 100%
Incident General Injuries / Trauma (i.e. Major Car Pileup)	3			3	1	1	2	2	1	33%
Infectious Disease Outbreak	3			2	1	3	1	1	2	33%
Hurricane / Tropical Storm	2			2	3	3	2	2	2	31%
Major HazMat Incident	2			2	2	2	3	3	2	31%
Flood	2			2	3	3	1	2	2	29%
Blizzard	2			2	2	3	2	2	1	27%
Severe Thunderstorm	3			1	2	1	1	1	2	27%
Tornado or Microburst	2			2	2	2	2	2	2	27%
Cyber Attack	2			1	1	3	2	2	2	24%
Ice Storm	2			1	2	2	2	2	2	24%
Supply Chain Interruption	2			1	1	3	2	2	2	24%
Civil Disturbance	2			1	3	2	2	2	1	24%
Heat Wave	2			2	1	1	2	1	2	20%
MCI from explosives involving radiological materials	1			3	3	3	3	3	3	20%
Nuclear Attack	1			3	3	3	3	3	3	20%
Regional Electrical Failure (i.e. blackout)	2			1	1	3	1	1	2	20%
VBIED or IED	1			3	3	3	3	3	2	19%
Attack chemical weapons	1			3	2	3	3	3	2	18%
Earthquake - Major (6.5+ on Richter scale)	1			1	3	3	3	3	3	18%
Attack biological weapons	1			2	2	3	3	3	2	17%
"Active shooter" incident	1			3	1	3	2	2	2	14%
Large Wild Fire	1			1	3	2	2	3	2	14%
Earthquake - Moderate (5 to 6.5 on Richter Scale)	1			1	2	2	2	2	2	12%
Fuel Shortage	1			1	1	2	3	2	2	12%
Massive Transportation Disruption / Failure	1			1	1	2	3	2	2	12%
Regional Sewer / Water Treatment Failure	1			1	1	2	2	3	2	12%
Regional Water Disruption / Interruption	1			1	1	3	2	2	2	12%
Regional Communications Disruption	1			1	1	2	2	2	2	11%
Regional Natural Gas Disruption	1			1	1	2	2	2	2	11%
Insider Threat	1			1	1	1	2	2	2	10%
Drought	1			1	1	1	1	1	2	8%