

Kaiser Permanente

Emergency Management

Hazards - Southwest Virginia Healthcare Coalition Serving 39 Localities in Southwest Virginia
Hazard Vulnerability Assessment Tool

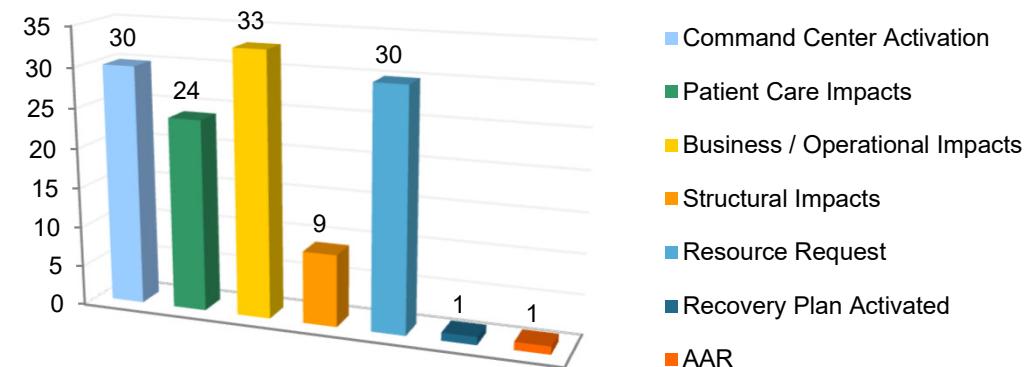
| Alert Type | Probability | Alerts | Activations | Severity = (Magnitude - Mitigation) | | | | | | Risk |
|---|--|------------------|-----------------------|--|--|--|--|--|--|-------------------|
| | | | | Human Impact | Property Impact | Business Impact | Prepared-ness | Internal Response | External Response | |
| | Likelihood this will occur | | | Possibility of death or injury | Physical losses and damages | Interuption of services | Preplanning | Time, effectiveness, resources | Community/Mutual Aid staff and supplies | * Relative threat |
| 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% |
| Act of Terrorism | 1 | 0 | 0 | 3 | 1 | 3 | 2 | 3 | 2 | 16% |
| Active Shooter | 1 | 0 | 0 | 3 | 3 | 3 | 2 | 3 | 1 | 17% |
| Air Quality Issue | 1 | 0 | 0 | 3 | 1 | 1 | 0 | 3 | 1 | 10% |
| Bomb Threat | 2 | 1 | 0 | 3 | 3 | 3 | 2 | 1 | 1 | 36% |
| Building Move | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 44% |
| Chemical Exposure, External | 3 | 0 | 0 | 3 | 3 | 2 | 2 | 2 | 1 | 43% |
| Chemical Exposure, Internal | 2 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 24% |
| Chemical Spill | 2 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 24% |
| Child Abduction | 2 | 0 | 0 | 1 | 0 | 1 | 3 | 3 | 2 | 22% |
| Civil Unrest / Protesting | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 56% |
| Communication / Telephone Failure | 3 | 9 | 9 | 2 | 1 | 3 | 1 | 1 | 2 | 51% |
| Dam Failure | 2 | 0 | 0 | 2 | 3 | 2 | 2 | 3 | 1 | 29% |
| Drought | 2 | 0 | 0 | 2 | 3 | 2 | 3 | 3 | 3 | 36% |
| Earthquake | 2 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 1 | 22% |
| Epidemic | 2 | 0 | 0 | 2 | 1 | 2 | 1 | 1 | 1 | 18% |
| Evacuation | 3 | 0 | 0 | 2 | 2 | 3 | 1 | 1 | 1 | 33% |
| Explosion | 1 | 0 | 0 | 3 | 3 | 3 | 2 | 1 | 1 | 14% |
| Fire, External | 2 | 0 | 0 | 3 | 3 | 3 | 2 | 2 | 1 | 31% |
| Fire, Internal | 2 | 0 | 0 | 3 | 3 | 3 | 2 | 2 | 1 | 31% |
| Flood, External | 3 | 0 | 0 | 3 | 3 | 3 | 1 | 1 | 1 | 40% |
| Flood, Internal | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 1 | 2 | 56% |
| Forensic Admission | 3 | 0 | 0 | 1 | 1 | 3 | 2 | 3 | 3 | 43% |
| Gas / Emissions Leak | 2 | 1 | 1 | 3 | 3 | 3 | 2 | 1 | 1 | 41% |
| Generator Failure | 3 | 4 | 3 | 2 | 2 | 3 | 1 | 1 | 2 | 51% |
| Hostage Situation | 1 | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 1 | 13% |
| Hurricane | 3 | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 50% |
| HVAC Failure | 3 | 0 | 0 | 2 | 2 | 3 | 2 | 1 | 1 | 37% |
| Infectious Disease Outbreak | 3 | 0 | 0 | 1 | 2 | 2 | 1 | 1 | 1 | 27% |
| Inland Flooding | 3 | 0 | 0 | 3 | 1 | 2 | 1 | 1 | 1 | 30% |
| IT System Outage | 3 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 1 | 44% |
| Landslide | 1 | 0 | 0 | 2 | 3 | 2 | 3 | 3 | 1 | 16% |
| Mass Casualty Incident - Hazmat, Medical, T | 3 | 0 | 0 | 3 | 3 | 3 | 1 | 1 | 1 | 40% |
| Medical Gas Disruption | 1 | 0 | 0 | 2 | 1 | 1 | 3 | 3 | 2 | 13% |
| Pandemic | 2 | 0 | 0 | 2 | 1 | 2 | 1 | 1 | 1 | 18% |
| Patient Elopement | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 2 | 20% |
| Patient Surge | 3 | 0 | 0 | 3 | 1 | 3 | 1 | 1 | 2 | 37% |
| Planned Power Outage | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 3 | 3 | 22% |
| Power Outage | 3 | 0 | 0 | 2 | 1 | 2 | 1 | 1 | 2 | 30% |
| Radiation Exposure | 1 | 0 | 0 | 3 | 2 | 3 | 2 | 1 | 1 | 13% |
| Seasonal Influenza | 2 | 0 | 0 | 2 | 1 | 1 | 1 | 2 | 3 | 22% |
| Severe Weather (Snow, Ice, Thunderstorm, | 1 | 0 | 0 | 1 | 2 | 1 | 3 | 3 | 2 | 13% |
| Sewage Failure | 2 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 22% |
| Shelter in Place | 1 | 0 | 0 | 2 | 1 | 3 | 3 | 3 | 3 | 17% |
| Strikes / Labor Action / Work Stoppage | 2 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 3 | 20% |
| Suicide | 3 | 0 | 0 | 2 | 1 | 3 | 2 | 2 | 2 | 40% |
| Supply Chain Shortage / Failure | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 38% |
| Suspicious Package / Substance | 3 | 0 | 0 | 3 | 2 | 2 | 2 | 2 | 2 | 43% |
| Temperature Extremes | 2 | 0 | 0 | 3 | 3 | 3 | 2 | 2 | 1 | 31% |
| Tornado | 2 | 0 | 0 | 2 | 1 | 2 | 2 | 3 | 2 | 27% |
| Transportation Failure | 3 | 0 | 0 | 3 | 1 | 1 | 1 | 1 | 2 | 30% |
| Trauma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0% |
| Tsunami | 3 | 0 | 0 | 2 | 2 | 3 | 2 | 2 | 3 | 47% |
| Utility Failure | 2 | 8 | 5 | 1 | 1 | 1 | 2 | 2 | 2 | 42% |
| VIP Situation | 3 | 0 | 0 | 3 | 2 | 3 | 2 | 1 | 1 | 40% |
| Water Contamination | 3 | 0 | 0 | 3 | 2 | 3 | 2 | 2 | 1 | 43% |
| Water Disruption | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 3 | 2 | 44% |
| Weapon | 3 | 0 | 0 | 3 | 2 | 3 | 2 | 3 | 2 | 50% |
| Workplace Violence / Threat | 2 | 0 | 0 | 2 | 3 | 2 | 2 | 1 | 1 | 24% |

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Summary For - Southwest Virginia Healthcare Coalition Serving 39 Localities in Southwest Virginia

| ALERT TYPE | OCCURRENCE |
|--------------------------------|------------|
| Command Center Activation | 30 |
| Patient Care Impacts | 24 |
| Business / Operational Impacts | 33 |
| Structural Impacts | 9 |
| Resource Request | 30 |
| Recovery Plan Activated | 1 |
| AAR | 1 |
| Total Alert | 38 |



2024-2025

| TOP 10 HVA | RANK | OCCURRENCE |
|-----------------------------------|------|------------|
| Flood, Internal | 1 | 2 |
| Civil Unrest / Protesting | 2 | 1 |
| Generator Failure | 3 | 4 |
| Communication / Telephone Failure | 4 | 9 |
| Hurricane | 5 | 2 |
| Weapon | 6 | 0 |
| Tsunami | 7 | 0 |
| IT System Outage | 8 | 3 |
| Water Disruption | 9 | 3 |
| Building Move | 10 | 1 |

2024-2025

| TOP 10 ACTUAL ALERTS | OCCURRENCE | HVA RANK |
|-----------------------------------|------------|----------|
| Communication / Telephone Failure | 9 | 4 |
| Utility Failure | 8 | 15 |
| Generator Failure | 4 | 3 |
| IT System Outage | 3 | 8 |
| Hurricane | 2 | 5 |
| Flood, Internal | 2 | 1 |
| Nutrien Ag Solutions | 1 | |
| Bomb Threat | 1 | 24 |
| Supply Chain Shortage / Failure | 1 | 21 |
| Building Move | 1 | 10 |