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**1. Overview**

[INSERT HOSPITAL NAME], being an institution engaged in the delivery of hospital services, pursuant to applicable laws and regulations, is required to annually conduct and review their hazard vulnerability analysis (HVA). An HVA is a systematic approach to identify risks and hazards and the high probability of these risks affecting healthcare facilities in particular and the surrounding community or the public at large. Planning, response, mitigation, and recovery procedures are hinged on the analysis conducted on the risk associated with each identified hazard. In other words, the HVA provides for the assessment of needs for the hospital’s emergency management programs. Using a hazard-specific scale, the HVA will evaluate the potential for event and response over the different categories of hazards and risks.

The significance of this analysis makes it critical for the process to be disseminated to all stakeholders which include the hospital’s emergency or safety management committees, the nearest police and fire stations or departments, and non-governmental or community-based emergency response groups.

**2. Issues to Consider**

The table below shows the different categories of issues that need to be considered in evaluating the potential for event and response through the use of a hazard-specific scale. Take note that the issues are in no case limited to the enumerations provided and that any additional issue must be added to the appropriate category if the situation so warrants.

|  |  |
| --- | --- |
| **Category** | **Issues to be considered** |
| 1. Probability | * Historical data * Known risk * Supplier/vendor/manufacturer statistics/census * [INSERT OTHER ISSUES THAT NEED TO BE CONSIDERED] |
| 2. Response | * Response capability * Scope of response capability * On-scene response time * Response success evaluation * [INSERT OTHER ISSUES THAT NEED TO BE CONSIDERED] |
| 3. Human Impact | * The possibility of death or injury to staff * The possibility of death or injury to a patient |
| 4. Property Impact | * Cost of replacement * Cost of temporary replacement * Cost of repair and maintenance |
| 5. Business Impact | * Interruption of normal business operations * Potential for employees to report for work * Potential for customers to reach the hospital facilities * Violation of contract agreements * Failure to provide and distribute critical supplies |
| 6. Preparedness | * Training status, efficiency, and effectiveness * Insurance * Status of the current plans * Community resources |
| 7. Internal Resources | * Availability of staff * Sufficiency of critical supplies |
| 8. External Resources | * Agreements with community aids and other external stakeholders * Coordination with governmental agencies * Coordination with private facility providers |

**3. Natural Hazards**

The table below shows the HVA for naturally occurring events. Scores will reflect the severity of the hazard to the related category.

|  |  |  |  |
| --- | --- | --- | --- |
| **Natural Hazard** | **Severity** | | |
| **Human Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Property Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Business Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High |
| 1. Tornado | [INSERT SCORE] | [INSERT SCORE] | [INSERT SCORE] |
| 2. Hurricane |  |  |  |
| 3. Earthquake |  |  |  |
| 4. Flood |  |  |  |
| 5. Wildfire |  |  |  |
| 6. Landslide |  |  |  |
| 7. Epidemic |  |  |  |
| 8. [INSERT OTHER NATURAL HAZARDS] |  |  |  |
| **AVERAGE** | **[INSERT AVERAGE SCORE]** | **[INSERT AVERAGE SCORE]** | **[INSERT AVERAGE SCORE]** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Natural Hazard** | **Severity** | | |
| **Preparedness**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Internal Response**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **External Response**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High |
| 1. Tornado | [INSERT SCORE] | [INSERT SCORE] | [INSERT SCORE] |
| 2. Hurricane |  |  |  |
| 3. Earthquake |  |  |  |
| 4. Flood |  |  |  |
| 5. Wildfire |  |  |  |
| 6. Landslide |  |  |  |
| 7. Epidemic |  |  |  |
| 8. [INSERT OTHER  NATURAL HAZARDS] |  |  |  |
| **AVERAGE** | **[INSERT AVERAGE SCORE]** | **[INSERT AVERAGE SCORE]** | **[INSERT AVERAGE SCORE]** |

|  |  |  |
| --- | --- | --- |
| **Natural Hazard** | **Probability**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Risk**  **Percentage** |
| 1. Tornado | [INSERT SCORE] | % |
| 2. Hurricane |  |  |
| 3. Earthquake |  |  |
| 4. Flood |  |  |
| 5. Wildfire |  |  |
| 6. Landslide |  |  |
| 7. Epidemic |  |  |
| 8. [INSERT OTHER NATURAL  HAZARDS] |  |  |
| **AVERAGE** | **[INSERT AVERAGE SCORE]** | **%** |

**4. Technological Hazards**

The table below shows the HVA for technological events. Scores will reflect the severity of the hazard to the related category.

|  |  |  |  |
| --- | --- | --- | --- |
| **Technological Hazard** | **Severity** | | |
| **Human Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Property Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Business Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High |
| 1. Electric Failure | [INSERT SCORE] | [INSERT SCORE] | [INSERT SCORE] |
| 2. Water Failure |  |  |  |
| 3. Medical Gas Failure |  |  |  |
| 4. HVAC Failure |  |  |  |
| 5. Supply Shortage |  |  |  |
| 6. Communications Failure |  |  |  |
| 7. Structural Damage |  |  |  |
| 8. [INSERT OTHER  TECHNOLOGIC EVENTS] |  |  |  |
| **AVERAGE** |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Technological Hazard** | **Severity** | | |
| **Preparedness**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Internal Response**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **External Response**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High |
| 1. Electric Failure | [INSERT SCORE] | [INSERT SCORE] | [INSERT SCORE] |
| 2. Water Failure |  |  |  |
| 3. Medical Gas Failure |  |  |  |
| 4. HVAC Failure |  |  |  |
| 5. Supply Shortage |  |  |  |
| 6. Communications Failure |  |  |  |
| 7. Structural Damage |  |  |  |
| 8. [INSERT OTHER TECHNOLOGICAL EVENTS] |  |  |  |
| **AVERAGE** |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Technological Hazard** | **Probability**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Risk**  **Percentage** |
| 1. Electric Failure | [INSERT SCORE] | % |
| 2. Water Failure |  |  |
| 3. Medical Gas Failure |  |  |
| 4. HVAC Failure |  |  |
| 5. Supply Shortage |  |  |
| 6. Communications Failure |  |  |
| 7. Structural Damage |  |  |
| 8. [INSERT OTHER TECHNOLOGICAL EVENTS] |  |  |
| **AVERAGE** | **[INSERT AVERAGE SCORE]** | **%** |

**5. Human Hazard**

The table below shows the HVA for human-related events. Scores will reflect the severity of the hazard to the related category.

|  |  |  |  |
| --- | --- | --- | --- |
| **Human Hazard** | **Severity** | | |
| **Human Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Property Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Business Impact**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High |
| 1. Terrorism | [INSERT SCORE] | [INSERT SCORE] | [INSERT SCORE] |
| 2. Civil Disturbance |  |  |  |
| 3. Labor Action |  |  |  |
| 4. Bomb Threats |  |  |  |
| 5. Robbery Situations |  |  |  |
| 6. Hostage Situations |  |  |  |
| 7. [INSERT OTHER HUMAN RELATED] |  |  |  |
| **AVERAGE** |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Human Hazard** | **Severity** | | |
| **Preparedness**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Internal Response**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **External Response**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High |
| 1. Terrorism | [INSERT SCORE] | [INSERT SCORE] | [INSERT SCORE] |
| 2. Civil Disturbance |  |  |  |
| 3. Labor Action |  |  |  |
| 4. Bomb Threats |  |  |  |
| 5. Robbery Situations |  |  |  |
| 6. Hostage Situations |  |  |  |
| 7. [INSERT OTHER HUMAN RELATED] |  |  |  |
| **AVERAGE** |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Human Hazard** | **Probability**  0 = Not Applicable  1 = Low  2 = Moderate  3 = High | **Risk**  **Percentage** |
| 1. Terrorism | [INSERT SCORE] | % |
| 2. Civil Disturbance |  |  |
| 3. Labor Action |  |  |
| 4. Bomb Threats |  |  |
| 5. Robbery Situations |  |  |
| 6. Hostage Situations |  |  |
| 7. [INSERT OTHER HUMAN-RELATED HAZARDS] |  |  |
| **AVERAGE** | **[INSERT AVERAGE SCORE]** | **%** |

**6. Summary**

The table below shows the summary findings of the HVA based on the scores provided in the preceding tables.

|  |  |  |
| --- | --- | --- |
|  | **Probability** | **Severity** |
| 1. Natural Hazard | 0.00 | 0.00 |
| 2. Technological Hazard |  |  |
| 3. Human Hazard |  |  |

**7. Recommendations**

Based on the summary of findings, the following are the recommendations derived from this HVA:

* [INSERT LIST OF RECOMMENDATIONS]

**8. References**

* [INSERT LIST OF REFERENCES]
* [INSERT LIST OF RECOMMENDATIONS]