| **Hazard** | **Impact on health facilities and services** | **Community impacts – response and recovery** | | **Risk mitigation** |
| --- | --- | --- | --- | --- |
| Earthquakes | Damage to facilities and/or critical infrastructure  Transportation disruption to supply chain  Impact on staff and families (physical, social, homes, transport, etc)  Scale: Widespread, local to regional | Death and injury (crush, fractures, lacerations, burns, abrasions, particulate inhalation)  Psychosocial impacts  Low risk for infectious disease from endemic pathogens  Economic impacts | |  |
| Volcanic hazards | Damage to facilities and/or critical infrastructure (within eruption and associated quake zones)  Ash impacts on water supplies, air quality, air‑conditioning and facilities  Loss of staff (self-evacuating)  Transportation disruption to supply chain  Scale: Local to regional | Illness (respiratory symptoms, exacerbations of pre-existing lung and heart disease)  Potential chronic conditions due to environmental contamination  Psychosocial impacts  Economic impacts | |  |
| Landslides | Damage to facilities and/or critical infrastructure (in slip zone)  Transportation disruption to supply chain  Scale: Site to area | Injury  Psychosocial impacts  Economic impacts |  | |
| Tsunami | Damage to facilities and/or critical infrastructure (in low-lying areas)  Impact on staff and families (physical, social, homes, transport, etc)  Transportation disruption to supply chain  Scale: Local to regional | Death and injury (drowning, serious crush, fractures, lacerations, wound infection)  Psychosocial impacts  Economic impacts  Contamination of environment, water supplies, infrastructure, etc |  | |
| Coastal hazards (eg, storm surge and erosion) | Inundation of health services, staff homes, etc, in low-lying areas  Access to premises/site compromised or denied  Scale: Site to local | Death and injury due mainly to storm surge (drowning, serious crush, fractures, lacerations, wound infection)  Contamination of environment, water supplies, infrastructure, etc  Psychosocial impacts  Economic impacts |  | |
| Floods | Damage to facilities and/or critical infrastructure (in low-lying areas)  Loss/contamination of essential drugs and supplies  Isolation of services, staff, patients and/or communities  Loss of staff/health workers  Water supplies contaminated and/or reduced  Transportation disruption to supply chain  Scale: Area to regional | Death and injury (from drowning, electrocutions or physical trauma)  Illness (due to drinking-water contamination, wound infection, respiratory and dermatological symptoms due to mould growth)  Low risk of communicable disease outbreak usually associated with heavy population displacement  Psychosocial impacts  Economic impacts  Evacuation-related health risks |  | |
| Severe winds | Damage to facilities and/or critical infrastructure  Transportation disruption to supply chain  Scale: Generally local | Death and injury (debris, vehicle accidents, electrocutions) |  | |
| Snow | Damage to facilities and/or critical infrastructure (due to snow-loading)  Isolation of services, staff, patients and/or communities  Scale: Local to regional | Injury (vehicle accidents, slips and falls)  Hypothermia |  | |
| Drought | Water supplies reduced  Scale: Regional | Illness (airborne and dust-related respiratory symptoms)  Infectious disease (related to population displacement, vulnerable populations, drought-related behaviours such as reduction in hand hygiene practices)  Psychosocial impacts (especially those whose livelihoods depend on rainfall) |  | |
| Wildfire | Damage to facilities and/or critical infrastructure (in at-risk areas)  Transportation disruption to supply chain  Scale: Local | Death and injury (burns, smoke inhalation, eye injuries)  Psychosocial impacts  Economic impacts  Evacuation-related health risks |  | |
| Animal and plant pests and disease | Isolation of services, staff, patients and/or communities  Scale: Local to regional | Illness  Injuries (culling/disposal)  Communities isolated |  | |
| Human disease pandemic (including water-borne illnesses) | Health impacts to staff  Impact on staff and families (physical, social, homes, transport, etc)  Critical services compromised  Border control and quarantine  Scale: Regional, national or international | Death  Illness  Psychosocial impacts  Communities isolated | Refer also to Health Emergency Plan/Influenza Pandemic | |
| Infrastructure failure | Critical services compromised  Information security compromised  Communication impacted  Transportation disruption to supply chain  Scale: Site to local | Economic impacts  Loss of public confidence  Loss of confidential information  Illness/injury (due to disruption to access to water, heating, power) |  | |
| Hazardous substance incidents | Health impacts/injuries to responders and/or health workers  Scale: Site to local | Injury and illness (respiratory, eye and skin symptoms; genotoxic effects; endocrine abnormalities; headache; nausea; dizziness; and tiredness or fatigue)  Chronic respiratory disorders  Psychosocial impacts  Economic impacts  Environmental contamination |  | |
| Major transport accidents | Damage to or contamination of facilities and/or critical infrastructure  Access to site compromised  Patient transport compromised  Impact of managing mass casualties on clinical staff and services  Scale: Site to area | Death and injury (impact, trauma, burns, hazardous substances) |  | |
| Terrorism | Damage to or contamination of facilities and/or critical infrastructure  Critical services compromised  Health impacts/injuries to health responders  Impact of managing mass casualties on clinical staff and services  Scale: Site to area | Death and injury (blast, lacerations, crushing, contamination – chemical, biological, radiological and nuclear)  Illness (respiratory symptoms, including loss of pulmonary function)  Psychosocial impacts |  | |
| Food safety (eg, accidental or deliberate contamination) | Health service catering contamination  Loss of staff/health workers  Food Act 2014 officer investigations  Scale: Multi-site with regional/national implications | Illness (due to contamination) |  | |
| Extreme weather incidents (heat or cold) | Critical infrastructure compromised  Scale: Local to regional | Death and illness (respiratory symptoms, exacerbation of pre-existing lung and heart disease)  Heat exhaustion  Hypothermia |  | |