| **Hazard** | **Impact on health facilities and services** | **Community impacts – response and recovery** |  **Risk mitigation** |
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| Earthquakes | Damage to facilities and/or critical infrastructureTransportation disruption to supply chainImpact 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 impactsLow risk for infectious disease from endemic pathogensEconomic 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 facilitiesLoss of staff (self-evacuating)Transportation disruption to supply chainScale: Local to regional | Illness (respiratory symptoms, exacerbations of pre-existing lung and heart disease)Potential chronic conditions due to environmental contaminationPsychosocial impactsEconomic impacts |  |
| Landslides | Damage to facilities and/or critical infrastructure (in slip zone)Transportation disruption to supply chainScale: Site to area | InjuryPsychosocial impactsEconomic 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 chainScale: Local to regional | Death and injury (drowning, serious crush, fractures, lacerations, wound infection)Psychosocial impactsEconomic impactsContamination of environment, water supplies, infrastructure, etc |  |
| Coastal hazards (eg, storm surge and erosion) | Inundation of health services, staff homes, etc, in low-lying areasAccess to premises/site compromised or deniedScale: Site to local | Death and injury due mainly to storm surge (drowning, serious crush, fractures, lacerations, wound infection)Contamination of environment, water supplies, infrastructure, etcPsychosocial impactsEconomic impacts |  |
| Floods | Damage to facilities and/or critical infrastructure (in low-lying areas)Loss/contamination of essential drugs and suppliesIsolation of services, staff, patients and/or communitiesLoss of staff/health workersWater supplies contaminated and/or reducedTransportation disruption to supply chainScale: 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 displacementPsychosocial impactsEconomic impactsEvacuation-related health risks |  |
| Severe winds | Damage to facilities and/or critical infrastructureTransportation disruption to supply chainScale: 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 communitiesScale: Local to regional | Injury (vehicle accidents, slips and falls)Hypothermia |  |
| Drought | Water supplies reducedScale: 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 chainScale: Local | Death and injury (burns, smoke inhalation, eye injuries)Psychosocial impactsEconomic impactsEvacuation-related health risks |  |
| Animal and plant pests and disease | Isolation of services, staff, patients and/or communitiesScale: Local to regional | IllnessInjuries (culling/disposal)Communities isolated |  |
| Human disease pandemic (including water-borne illnesses) | Health impacts to staffImpact on staff and families (physical, social, homes, transport, etc)Critical services compromisedBorder control and quarantineScale: Regional, national or international | DeathIllnessPsychosocial impactsCommunities isolated | Refer also to Health Emergency Plan/Influenza Pandemic  |
| Infrastructure failure | Critical services compromisedInformation security compromisedCommunication impactedTransportation disruption to supply chainScale: Site to local | Economic impactsLoss of public confidenceLoss of confidential informationIllness/injury (due to disruption to access to water, heating, power) |  |
| Hazardous substance incidents | Health impacts/injuries to responders and/or health workersScale: Site to local | Injury and illness (respiratory, eye and skin symptoms; genotoxic effects; endocrine abnormalities; headache; nausea; dizziness; and tiredness or fatigue)Chronic respiratory disordersPsychosocial impactsEconomic impactsEnvironmental contamination |  |
| Major transport accidents | Damage to or contamination of facilities and/or critical infrastructureAccess to site compromisedPatient transport compromisedImpact of managing mass casualties on clinical staff and servicesScale: Site to area | Death and injury (impact, trauma, burns, hazardous substances) |  |
| Terrorism | Damage to or contamination of facilities and/or critical infrastructureCritical services compromisedHealth impacts/injuries to health respondersImpact of managing mass casualties on clinical staff and servicesScale: 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 contaminationLoss of staff/health workersFood Act 2014 officer investigationsScale: Multi-site with regional/national implications | Illness (due to contamination) |  |
| Extreme weather incidents (heat or cold) | Critical infrastructure compromisedScale: Local to regional | Death and illness (respiratory symptoms, exacerbation of pre-existing lung and heart disease)Heat exhaustionHypothermia |  |