**Online Supplement: Search Strategy**

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| **Included Databases, Search Terms, and Search Strategies** | |
| Databases | PubMed, Embase, Cinahl, LILACS, Web of Science, Scopus, Biosis Citation Index, Engineering Village [Compendex, Inspec, NTIS, GeoBase] |
| Final Search Date: | March 31, 2020 |
|  |  |
| **Search Strategy: PubMed - 1,879 Results** | |
| Big Data: | "Big Data"[Mesh] OR "Internet of Things"[Mesh] OR "Information Technology"[Mesh] OR "Social Media"[Mesh] OR "Cloud Computing"[Mesh] OR "Crowdsourcing"[Mesh] OR "Geographic Information Systems"[Mesh] OR Big data[tw] OR ICT[tw] OR IOT[tw] OR internet of things[tw] OR information technolog\*[tw] OR information communication technolog\*[tw] OR information and communication technolog\*[tw] OR Computational intelligence\*[tw] OR Cloud computing[tw] OR crowdsourc\*[tw] OR crowd sourc\*[tw] OR digital humanitarian\*[tw] OR social media\*[tw] OR mobile network\*[tw] OR twitter[tw] OR tweet\*[tw] OR facebook[tw] OR flickr[tw] OR satellite imag\*[tw] OR drone\*[tw] OR Geographic Information System\*[tw] OR GIS[tw] OR Global Positioning System\*[tw] OR GPS[tw] OR "internet of everything"[tw] |
| Disasters: | "Disasters"[Mesh] OR "Disaster Victims"[Mesh] OR "Disaster Medicine"[Mesh] OR "Terrorism"[Mesh] OR "Emergency Responders"[Mesh] OR "Petroleum Pollution"[Mesh] OR "Tsunamis"[Mesh] OR "Volcanic Eruptions"[Mesh] OR disaster\*[tw] OR postdisaster\*[tw] OR posthazard\*[tw] OR post hazard\*[tw] OR crisis[tw] OR postcrisis\*[tw] OR crises[tw] OR catastrophe\*[tw] OR emergency communication\*[tw] OR emergency respon\*[tw] OR first respond\*[tw] OR avalanche\*[tw] OR cyclonic storm\*[tw] OR cyclone\*[tw] OR hurricane\*[tw] OR tropical storm\*[tw] OR typhoon\*[tw] OR super storm\*[tw] OR superstorm\*[tw] OR drought\*[tw] OR earthquake\*[tw] OR flood\*[tw] OR landslide\*[tw] OR rockslide\*[tw] OR mudslide\*[tw] OR earth tide\*[tw] OR ocean tide\*[tw] OR tidalwave\*[tw] OR tidal wave\*[tw] OR tsunami\*[tw] OR tornado\*[tw] OR wildfire\*[tw] OR wildland fire\*[tw] OR brush fire\*[tw] OR forest fire\*[tw] OR wild fire\*[tw] OR facility fire\*[tw] OR volcanic\*[tw] OR snow storm\*[tw] OR snowstorm\*[tw] OR blizzard\*[tw] OR major rainfall\*[tw] OR petroleum pollution\*[tw] OR oil spill\*[tw] OR oil pollution\*[tw] OR natural hazard\*[tw] OR rescue work\*[tw] OR relief work\*[tw] OR terrorism[tw] OR terrorist\*[tw] OR bioterrorism[tw] OR bioterrorist\*[tw] |
| Disaster Recovery / Outcomes: | "Public Health"[Mesh] OR "Population Surveillance"[Mesh] OR "Environmental Monitoring"[Mesh] OR "Epidemiology"[Mesh] OR "epidemiology" [Subheading] OR "Epidemiologic Methods"[Mesh] OR "Population Health"[Mesh] OR "Psychological Phenomena"[Mesh] OR "Mental Disorders"[Mesh] OR "Adaptation, Psychological"[Mesh] OR "Behavioral Symptoms"[Mesh] OR "Substance-Related Disorders"[Mesh] OR "Neoplasms"[Mesh] OR "Respiratory Tract Diseases"[Mesh] OR public health[tw] OR impact\*[tw] OR outcome\*[tw] OR consequence\*[tw] OR Recover\*[tw] OR rehabilitat\*[tw] OR reconstruct\*[tw] OR Surveillance[tw] OR epidemiolog\*[tw] OR population health[tw] OR community health[tw] OR mental health[tw] OR mental disorder\*[tw] OR mental illness\*[tw] OR mentally ill\*[tw] OR health disorder\*[tw] OR PTSD\*[tw] OR post traum\*[tw] OR posttraum\*[tw] OR resilien\*[tw] OR build back better[tw] OR registry[tw] OR registries[tw] OR drug abus\*[tw] OR substance abus\*[tw] OR cancer[tw] OR cancers[tw] OR cancerous[tw] OR neoplasm\*[tw] OR tumor[tw] OR tumors[tw] OR tumour\*[tw] OR malignan\*[tw] OR respiration[tw] OR respiratory[tw] OR asthma\*[tw] OR pulmonary[tw] OR lung\*[tw] OR depression[tw] OR suicide\*[tw] OR behavioral[tw] OR behavioural[tw] OR long term effect\*[tw] OR longer term effect\*[tw] NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms]) |
| Exclude: | ("animals"[MeSH Terms] NOT "humans"[MeSH Terms]) |
| Binary Operators: | (Big Data) AND (Disasters) AND (Disaster Recovery / Outcomes) AND NOT (Exclude) |
|  |  |
| **Search Strategy: Embase - 2,018 Results** | |
| Big Data: | big data'/exp OR 'internet of things'/exp OR 'information technology'/exp OR 'social media'/exp OR 'cloud computing'/exp OR 'crowdsourcing'/exp OR 'geographic information system'/exp OR ("Big data" OR ICT OR IOT OR "internet of things" OR "information technolog\*" OR "information communication technolog\*" OR "information and communication technolog\*" OR "Computational intelligence\*" OR "cloud computing" OR crowdsourc\* OR "crowd sourc\*" OR "digital humanitarian\*" OR "social media\*" OR "mobile network\*" OR twitter OR tweet\* OR facebook OR flickr OR "satellite imag\*" OR drone\* OR "Geographic Information System\*" OR GIS OR "Global Positioning System\*" OR GPS OR "internet of everything"):ti,ab,kw |
| Disasters: | disaster'/exp OR 'disaster victim'/exp OR 'disaster medicine'/exp OR 'terrorism'/exp OR 'rescue personnel'/exp OR 'oil spill'/exp OR 'tsunami'/exp OR 'volcano'/exp OR (disaster\* OR postdisaster\* OR posthazard\* OR "post hazard\*" OR crisis OR postcrisis\* OR crises OR catastrophe\* OR "emergency communication\*" OR "emergency respon\*" OR "first respond\*" OR avalanche\* OR "cyclonic storm\*" OR cyclone\* OR hurricane\* OR "tropical storm\*" OR typhoon\* OR "super storm\*" OR superstorm\* OR drought\* OR earthquake\* OR flood\* OR landslide\* OR rockslide\* OR mudslide\* OR "earth tide\*" OR "ocean tide\*" OR tidalwave\* OR "tidal wave\*" OR tsunami\* OR tornado\* OR wildfire\* OR "wildland fire\*" OR "brush fire\*" OR "forest fire\*" OR "wild fire\*" OR "facility fire\*" OR volcanic\* OR "snow storm\*" OR snowstorm\* OR blizzard\* OR "major rainfall\*" OR "petroleum pollution\*" OR "oil spill\*" OR "oil pollution\*" OR "natural hazard\*" OR "rescue work\*" OR "relief work\*" OR terrorism OR terrorist\* OR bioterrorism OR bioterrorist\*):ab,ti,kw |
| Disaster Recovery / Outcomes: | public health'/exp OR 'surveillance'/exp OR 'environmental monitoring'/exp OR 'epidemiology'/exp OR 'population health'/exp OR 'behavior'/exp OR 'mental disease'/exp OR 'drug dependence'/exp OR 'neoplasm'/exp OR 'respiratory tract disease'/exp OR ("public health" OR impact\* OR outcome\* OR consequence\* OR recover\* OR rehabilitat\* OR reconstruct\* OR surveillance OR epidemiolog\* OR "population health" OR "community health" OR "mental health" OR "mental disorder\*" OR "mental illness\*" OR "mentally ill\*" OR "health disorder\*" OR PTSD\* OR "post traum\*" OR posttraum\* OR resilien\* OR "build back better" OR registry OR registries OR "drug abus\*" OR "substance abus\*" OR cancer OR cancers OR cancerous OR neoplasm\* OR tumor OR tumors OR tumour\* OR malignan\* OR respiration OR respiratory OR asthma\* OR asthmatic\* OR lung\* OR pulmonary OR depression OR suicide\* OR behavioral OR behavioural OR "long term effect\*" OR "longer term effect\*"):ab,ti,kw |
| Exclude: | (Animals/exp or invertebrate/exp or 'animal experiment'/exp or 'animal tissue'/exp or 'animal cell'/exp or nonhuman/exp) NOT (humans/exp) |
| Binary Operators: | (Big Data) AND (Disasters) AND (Disaster Recovery / Outcomes) AND NOT (Exclude) |
|  |  |
| **Search Strategy: CINHAL - 777 Results** | |
| Big Data: | (MH "Internet of Things") OR (MH "Information Technology+") ORR (MH "Social Media+") OR (MH "Cloud Computing+") OR (MH "Crowdsourcing") OR (MH "Geographic Information Systems+") **OR** ("Big data" OR ICT OR IOT OR "internet of things" OR "information technolog\*" OR "information communication technolog\*" OR "information and communication technolog\*" OR "Computational intelligence\*" OR "cloud computing" OR crowdsourc\* OR "crowd sourc\*" OR "digital humanitarian\*" OR "social media\*" OR "mobile network\*" OR twitter OR tweet\* OR facebook OR flickr OR "satellite imag\*" OR drone\* OR "Geographic Information System\*" OR GIS OR "Global Positioning System\*" OR GPS OR "internet of everything") |
| Disasters: | (MH "Disasters+") OR (MH "Terrorism+") **OR** (disaster\* OR postdisaster\* OR posthazard\* OR "post hazard\*" OR crisis OR postcrisis\* OR crises OR catastrophe\* OR "emergency communication\*" OR "emergency respon\*" OR "first respond\*" OR avalanche\* OR "cyclonic storm\*" OR cyclone\* OR hurricane\* OR "tropical storm\*" OR typhoon\* OR "super storm\*" OR superstorm\* OR drought\* OR earthquake\* OR flood\* OR landslide\* OR rockslide\* OR mudslide\* OR "earth tide\*" OR "ocean tide\*" OR tidalwave\* OR "tidal wave\*" OR tsunami\* OR tornado\* OR wildfire\* OR "wildland fire\*" OR "brush fire\*" OR "forest fire\*" OR "wild fire\*" OR "facility fire\*" OR volcanic\* OR "snow storm\*" OR snowstorm\* OR blizzard\* OR "major rainfall\*" OR "petroleum pollution\*" OR "oil spill\*" OR "oil pollution\*" OR "natural hazard\*" OR "rescue work\*" OR "relief work\*" OR terrorism OR terrorist\* OR bioterrorism OR bioterrorist\*) |
| Disaster Recovery / Outcomes: | (MH "Public Health+") OR (MH "Population Surveillance+") OR (MH "Environmental Monitoring+") OR (MH "Population Health") OR (MH "Psychological Processes and Principles+") OR (MH "Behavioral and Mental Disorders+") OR (MH "Adaptation, Psychological+") OR (MH "Neoplasms+") OR (MH "Respiratory Tract Diseases+")  **OR** ("public health" OR impact\* OR outcome\* OR consequence\* OR recover\* OR rehabilitat\* OR reconstruct\* OR surveillance OR epidemiolog\* OR "population health" OR "community health" OR "mental health" OR "mental disorder\*" OR "mental illness\*" OR "mentally ill\*" OR "health disorder\*" OR PTSD\* OR "post traum\*" OR posttraum\* OR resilien\* OR "build back better" OR registry OR registries OR "drug abus\*" OR "substance abus\*" OR cancer OR cancers OR cancerous OR neoplasm\* OR tumor OR tumors OR tumour\* OR malignan\* OR respiration OR respiratory OR asthma\* OR asthmatic\* OR lung\* OR pulmonary OR depression OR suicide\* OR behavioral OR behavioural OR "long term effect\*" OR "longer term effect\*") |
| Binary Operators: | (Big Data) AND (Disasters) AND (Disaster Recovery / Outcomes) |
|  |  |
| **Search Strategy: LILACS - 1,055 Results** | |
| Search Concepts: | (MH:L01.313.500.750.300.092$ OR MH:L01.479$ OR MH:SP4.011.127.428.804$ OR MH:L01.178.751$ OR MH:L01.224.230.110.500.750$ OR MH:L01.224.097$ OR MH:L01.399.250.179$ OR MH:L01.313.500.750.300.314$ OR MH:L01.470.750.750.462$ OR MH:SP4.011.127.428.799$ OR MH:SP8.946.819.946$ OR "Big data" OR "ICT" OR "IOT" OR "internet of things" OR "information technology" OR "information technologies" OR (information communication technolog$) OR "computational intelligence" OR "cloud computing" OR crowdsourc$ OR (crowd sourc$) OR (digital humanitarian$) OR "social media" OR (mobile network$) OR "twitter" OR tweet$ OR "facebook" OR "flickr" OR (satellite imag$) OR drone$ OR (Geographic Information System$) OR "GIS" OR (Global Positioning System$) OR "GPS" OR "internet of everything") AND (MH:N06.230.100$ OR MH:SP4.001.037$ OR MH:SP8$ OR MH:M01.159$ OR MH:SP8.946.117.244$ OR MH:H02.403.230$ OR MH:SP8.946.117.190$ OR MH:I01.198.240.856.800$ OR MH:I01.880.735.900.800$ OR MH:SP8.473.981.797.847$ OR MH:M01.526.373$ OR MH:N06.850.460.660$ OR MH:SP4.016.177.023.369$ OR MH:SP4.016.177.028.374$ OR MH:G01.311.933$ OR MH:SP4.001.037.403.519.270$ OR MH:SP8.473.654.517.362$ OR MH:G01.311.955$ OR MH:SP4.001.037.403.514.260$ OR MH:SP8.473.654.762.802$ OR disaster$ OR postdisaster$ OR posthazard$ OR (post hazard$) OR "crisis" OR postcrisis$ OR "crises" OR catastrophe$ OR (emergency communication$) OR (emergency respon$) OR (first respond$) OR avalanche$ OR (cyclonic storm$) OR cyclone$ OR hurricane$ OR (tropical storm$) OR typhoon$ OR (super storm$) OR superstorm$ OR drought$ OR earthquake$ OR flood$ OR landslide$ OR rockslide$ OR mudslide$ OR (earth tide$) OR (ocean tide$) OR tidalwave$ OR (tidal wave$) OR tsunami$ OR tornado$ OR wildfire$ OR (wildland fire$) OR (brush fire$) OR (forest fire$) OR (wild fire$) OR (facility fire$) OR volcanic$ OR (snow storm$) OR snowstorm$ OR blizzard$ OR (major rainfall$) OR (petroleum pollution$) OR (oil spill$) OR (oil pollution$) OR (natural hazard$) OR (rescue work$) OR (relief work$) OR terrorism OR terrorist$ OR bioterrorism OR bioterrorist$) AND (MH:H02.403.720$ OR MH:N01.400.550$ OR MH:N06.850$ OR MH:SH1.020.020.040.060$ OR MH:SP4.001.002.043$ OR MH:E05.318.308.980.438.700$ OR MH:N05.715.360.300.800.438.625$ OR MH:N06.850.520.308.980.438.700$ OR MH:N06.850.780.675$ OR MH:N06.850.460.350.080$ OR MH:N06.850.780.375$ OR MH:SP2.001.030.040$ OR MH:SP2.036.010.008$ OR MH:SP4.011.072.573.954$ OR MH:SP4.011.087.693.364$ OR MH:SP4.011.127.413.629.885$ OR MH:SP5.006.067.100.150$ OR MH:SP8.473.654.412.052.005.030.050.010$ OR MH:VS4.001.001$ OR MH:N06.850.460.350.080$ OR MH:N06.850.780.375$ OR MH:SP2.001.030.040$ OR MH:SP2.036.010.008$ OR MH:SP4.011.072.573.954$ OR MH:SP4.011.087.693.364$ OR MH:SP4.011.127.413.629.885$ OR MH:SP5.006.067.100.150$ OR MH:SP8.473.654.412.052.005.030.050.010$ OR MH:VS4.001.001$ OR MH:H02.403.720.500$ OR MH:SP4.001.012.153$ OR MH:SP5.001$ OR MH:SP8.946.702.667.586$ OR MH:Q55.010$ OR MH:E05.318$ OR MH:N06.850.520$ OR MH:SP4.001.012.153.244$ OR MH:SP5.001.007$ OR MH:N01.400.548$ OR MH:F02$ OR MH:F03$ OR MH:F01.058$ OR MH:F01.145.126$ OR MH:C25.775$ OR MH:F03.900$ OR MH:SP4.011.092.783$ OR MH:C04$ OR MH:SP4.001.012.098 OR MH:SP4.046.452.698.879.165 OR MH:C08$ OR MH:SP4.001.012.143$ OR MH:SP4.046.452.698.904$ OR "public health" OR impact$ OR outcome$ OR consequence$ OR recover$ OR rehabilitat$ OR reconstruct$ OR "surveillance" OR epidemiolog$ OR "population health" OR "community health" OR "mental health" OR (mental disorder$) OR (mental illness$) OR (mentally ill$) OR (health disorder$) OR PTSD$ OR (post traum$) OR posttraum$ OR resilien$ OR "build back better" OR "registry" OR "registries" OR (drug abus$) OR (substance abus$) OR "cancer" OR "cancers" OR "cancerous" OR neoplasm$ OR "tumor" OR "tumors" OR tumour$ OR malignan$ OR "respiration" OR "respiratory" OR asthma$ OR "pulmonary" OR lung$ OR "depression" OR suicide$ OR "behavioral" OR "behavioural" OR (long term effect$) OR (longer term effect$)) |
|  |  |
| **Search Strategy: Web of Science - 10,994 Results** | |
| Big Data: | TS=("Big data" OR ICT OR IOT OR "internet of things" OR "information technolog\*" OR "information communication technolog\*" OR "information and communication technolog\*" OR "Computational intelligence\*" OR "Cloud computing" OR crowdsourc\* OR "crowd sourc\*" OR "digital humanitarian\*" OR "social media\*" OR "mobile network\*" OR twitter OR tweet\* OR facebook OR flickr OR "satellite imag\*" OR drone\* OR "Geographic Information System\*" OR "Geographical Information System\*" OR "Global Positioning System\*" OR GIS OR GPS OR "Internet of Everything") |
| Disasters: | TS=(disaster\* OR postdisaster\* OR posthazard\* OR "post hazard\*" OR crisis OR postcrisis\* OR crises OR catastrophe\* OR "emergency communication\*" OR "emergency respon\*" OR "first respond\*" OR avalanche\* OR "cyclonic storm\*" OR cyclone\* OR hurricane\* OR "tropical storm\*" OR typhoon\* OR "super storm\*" OR superstorm\* OR drought\* OR earthquake\* OR flood\* OR landslide\* OR rockslide\* OR mudslide\* OR "earth tide\*" OR "ocean tide\*" OR tidalwave\* OR "tidal wave\*" OR tsunami\* OR tornado\* OR wildfire\* OR "wildland fire\*" OR "brush fire\*" OR "forest fire\*" OR "wild fire\*" OR "facility fire\*" OR volcanic\* OR "snow storm\*" OR snowstorm\* OR blizzard\* OR "major rainfall\*" OR "petroleum pollution\*" OR "oil spill\*" OR "oil pollution\*" OR "natural hazard\*" OR "rescue work\*" OR "relief work\*" OR terrorism OR terrorist\* OR bioterrorism OR bioterrorist\*) |
| Disaster Recovery / Outcomes: | TS=("public health" OR impact\* OR outcome\* OR consequence\* OR recover\* OR rehabilitat\* OR reconstruct\* OR surveillance OR epidemiolog\* OR "population health" OR "community health" OR "mental health" OR "mental disorder\*" OR "mental illness\*" OR "mentally ill\*" OR "health disorder\*" OR PTSD\* OR "post traum\*" OR posttraum\* OR resilien\* OR "build back better" OR registry OR registries OR "drug abus\*" OR "substance abus\*" OR cancer OR cancers OR cancerous OR neoplasm\* OR tumor OR tumors OR tumour\* OR malignan\* OR respiration OR respiratory OR asthma\* OR asthmatic\* OR lung\* OR pulmonary OR depression OR suicide\* OR behavioral OR behavioural OR "long term effect\*" OR "longer term effect\*") |
| Binary Operators: | (Big Data) AND (Disasters) AND (Disaster Recovery / Outcomes) |
|  |  |
| **Search Strategy: SCOPUS - 14,618 Results** | |
| Big Data: | TITLE-ABS-KEY ("Big data" OR ICT OR IOT OR "internet of things" OR "information technolog\*" OR "information communication technolog\*" OR "information and communication technolog\*" OR "Computational intelligence\*" OR "Cloud computing" OR crowdsourc\* OR "crowd sourc\*" OR "digital humanitarian\*" OR "social media\*" OR "mobile network\*" OR twitter OR tweet\* OR facebook OR flickr OR "satellite imag\*" OR drone\* OR "Geographic Information System\*" OR "Global Positioning System\*" OR GIS OR GPS OR "internet of everything") |
| Disasters: | TITLE-ABS-KEY (disaster\* OR postdisaster\* OR posthazard\* OR "post hazard\*" OR crisis OR postcrisis\* OR crises OR catastrophe\* OR "emergency communication\*" OR "emergency respon\*" OR "first respond\*" OR avalanche\* OR "cyclonic storm\*" OR cyclone\* OR hurricane\* OR "tropical storm\*" OR typhoon\* OR "super storm\*" OR superstorm\* OR drought\* OR earthquake\* OR flood\* OR landslide\* OR rockslide\* OR mudslide\* OR "earth tide\*" OR "ocean tide\*" OR tidalwave\* OR "tidal wave\*" OR tsunami\* OR tornado\* OR wildfire\* OR "wildland fire\*" OR "brush fire\*" OR "forest fire\*" OR "wild fire\*" OR "facility fire\*" OR volcanic\* OR "snow storm\*" OR snowstorm\* OR blizzard\* OR "major rainfall\*" OR "petroleum pollution\*" OR "oil spill\*" OR "oil pollution\*" OR "natural hazard\*" OR "rescue work\*" OR "relief work\*" OR terrorism OR terrorist\* OR bioterrorism OR bioterrorist\*) |
| Disaster Recovery / Outcomes: | TITLE-ABS-KEY ("public health" OR impact\* OR outcome\* OR consequence\* OR recover\* OR rehabilitat\* OR reconstruct\* OR surveillance OR epidemiolog\* OR "population health" OR "community health" OR "mental health" OR "mental disorder" OR "mental disorders" OR "mental illness" OR "mentally ill" OR "health disorder" OR "health disorders" OR PTSD\* OR "post trauma" OR "post traumatic" OR posttrauma\* OR resilien\* OR "build back better" OR registry OR registries OR "drug abuse" OR "substance abuse" OR cancer OR cancers OR cancerous OR neoplasm\* OR tumor OR tumors OR tumour\* OR malignan\* OR respiration OR respiratory OR asthma\* OR lung\* OR pulmonary OR depression OR suicide\* OR behavioral OR behavioural OR "long term effect\*" OR "longer term effect\*") |
| Binary Operators: | (Big Data) AND (Disasters) AND (Disaster Recovery / Outcomes) AND NOT [INDEX ( medline ) OR INDEX (embase )] |
|  |  |
| **Search Strategy: Biosis Citation Index - 1,671 Results** | |
| Big Data: | TS=("Big data" OR ICT OR IOT OR "internet of things" OR "information technolog\*" OR "information communication technolog\*" OR "information and communication technolog\*" OR "Computational intelligence\*" OR "Cloud computing" OR crowdsourc\* OR "crowd sourc\*" OR "digital humanitarian\*" OR "social media\*" OR "mobile network\*" OR twitter OR tweet\* OR facebook OR flickr OR "satellite imag\*" OR drone\* OR "Geographic Information System\*" OR "Geographical Information System\*" OR "Global Positioning System\*" OR GIS OR GPS OR "Internet of Everything") |
| Disasters: | TS=(disaster\* OR postdisaster\* OR posthazard\* OR "post hazard\*" OR crisis OR postcrisis\* OR crises OR catastrophe\* OR "emergency communication\*" OR "emergency respon\*" OR "first respond\*" OR avalanche\* OR "cyclonic storm\*" OR cyclone\* OR hurricane\* OR "tropical storm\*" OR typhoon\* OR "super storm\*" OR superstorm\* OR drought\* OR earthquake\* OR flood\* OR landslide\* OR rockslide\* OR mudslide\* OR "earth tide\*" OR "ocean tide\*" OR tidalwave\* OR "tidal wave\*" OR tsunami\* OR tornado\* OR wildfire\* OR "wildland fire\*" OR "brush fire\*" OR "forest fire\*" OR "wild fire\*" OR "facility fire\*" OR volcanic\* OR "snow storm\*" OR snowstorm\* OR blizzard\* OR "major rainfall\*" OR "petroleum pollution\*" OR "oil spill\*" OR "oil pollution\*" OR "natural hazard\*" OR "rescue work\*" OR "relief work\*" OR terrorism OR terrorist\* OR bioterrorism OR bioterrorist\*) |
| Disaster Recovery / Outcomes: | TS=("public health" OR impact\* OR outcome\* OR consequence\* OR recover\* OR rehabilitat\* OR reconstruct\* OR surveillance OR epidemiolog\* OR "population health" OR "community health" OR "mental health" OR "mental disorder\*" OR "mental illness\*" OR "mentally ill\*" OR "health disorder\*" OR PTSD\* OR "post traum\*" OR posttraum\* OR resilien\* OR "build back better" OR registry OR registries OR "drug abus\*" OR "substance abus\*" OR cancer OR cancers OR cancerous OR neoplasm\* OR tumor OR tumors OR tumour\* OR malignan\* OR respiration OR respiratory OR asthma\* OR asthmatic\* OR lung\* OR pulmonary OR depression OR suicide\* OR behavioral OR behavioural OR "long term effect\*" OR "longer term effect\*") |
| Binary Operators: | (Big Data) AND (Disasters) AND (Disaster Recovery / Outcomes) |
|  |  |
| **Search Strategy: Engineering Village (Compendex [8,832 Results], Inspec [4,550 Results], NTIS [524 Results], GeoBase [4,586 Results])** | |
| Big Data: | (({Big data} WN CV) OR ({Internet of things} WN CV) OR ({Cloud computing} WN CV) OR ({Information technology} WN CV) OR ({Crowdsourcing} WN CV) OR ({Social networking (online)} WN CV) OR ({Geographic information systems} WN CV) OR ({Global positioning system} WN CV) OR ({Satellite imagery} WN CV) OR ({Drones} WN CV)) OR (({Big Data} WN CV) OR ({Internet of Things} WN CV) OR ({cloud computing} WN CV) OR ({information technology} WN CV) OR ({crowdsourcing} WN CV) OR ({social networking (online)} WN CV) OR ({geographic information systems} WN CV) OR ({Global Positioning System} WN CV)) OR (({information technology} WN CV) OR ({information and communication technology} WN CV) OR ({social media} WN CV) OR ({crowdsourcing} WN CV) OR ({GIS} WN CV) OR ({GPS} WN CV)) OR (("Big data" OR "ICT" OR "IOT" OR "internet of things" OR "information technology" OR "information technologies" OR "information communication technology" OR "information communication technologies" OR "information and communication technology" OR "information and communication technologies" OR "Computational intelligence" OR "Cloud computing" OR "crowdsource" OR "crowdsourcing" OR "crowd source" OR "crowd sourcing" OR "crowd sourced" OR "digital humanitarian" OR "digital humanitarians" OR "social media" OR "mobile network" OR "mobile networks" OR "twitter" OR "facebook" OR "flickr" OR "satellite imaging" OR "drone" OR "drones" OR "Geographic Information System" OR "Geographic Information Systems" OR "Geographical Information System" OR "Geographical Information Systems" OR "Global Positioning System" OR "Global Positioning Systems" OR "GIS" OR "GPS" OR "internet of everything") WN KY) |
| Disasters: | (({Disasters} WN CV) OR ({Emergency services} WN CV) OR ({Earthquakes} WN CV) OR ({Explosions} WN CV) OR ({Extreme weather} WN CV) OR ({Fires} WN CV) OR ({Hazards} WN CV) OR ({Disaster prevention} WN CV) OR ({Terrorism} WN CV) OR ({Bioterrorism} WN CV)) OR (({geophysical catastrophes} WN CV) OR ({wildfires} WN CV) OR ({emergency management} WN CV)) OR (({disaster} WN CV) OR ({disaster management} WN CV) OR ({disaster relief} WN CV) OR ({earthquake event} WN CV) OR ({hurricane event} WN CV) OR ({natural disaster} WN CV) OR ({tsunami event} WN CV) OR ({extreme event} WN CV) OR ({catastrophic event} WN CV) OR ({fire} WN CV) OR ({forest fire} WN CV) OR ({wildfire} WN CV) OR ({flash flood} WN CV) OR ({flood} WN CV) OR ({flood wave} WN CV) OR ({hydrological phenomena} WN CV) OR ({hydrological hazard} WN CV) OR ({water wave} WN CV) OR ({ice storm} WN CV) OR ({rainstorm} WN CV) OR ({meteorological hazard} WN CV) OR ({geomagnetic storm} WN CV) OR ({atmospheric and meteorological phenomena} WN CV) OR ({extratropical cyclone} WN CV) OR ({snowstorm} WN CV) OR ({storm surge} WN CV) OR ({tropical cyclone} WN CV) OR ({whirlwind} WN CV) OR ({tsunami} WN CV) OR ({ocean wave} WN CV) OR ({natural hazard} WN CV) OR ({bushfire} WN CV) OR ({avalanche} WN CV) OR ({geological hazard} WN CV) OR ({snow avalanche} WN CV) OR ({rock avalanche} WN CV) OR ({cyclone} WN CV) OR ({drought} WN CV) OR ({earthquake} WN CV) OR ({microearthquake} WN CV) OR ({volcanic earthquake} WN CV) OR ({earthquake phenomena} WN CV) OR ({seismic hazard} WN CV) OR ({tornado} WN CV)) OR ((disaster\* OR postdisaster\* OR posthazard\* OR "post hazard" OR "crisis" OR postcrisis\* OR "crises" OR catastrophe\* OR "emergency communication" OR "emergency response" OR "emergency responder" OR "emergency responders" OR "first responder" OR "first responders" OR avalanche\* OR "cyclonic storm" OR "cyclonic storms" OR cyclone\* OR hurricane\* OR "tropical storm" OR "tropical storms" OR typhoon\* OR "super storm" OR "super storms" OR superstorm\* OR drought\* OR earthquake\* OR flood\* OR landslide\* OR rockslide\* OR mudslide\* OR "earth tide" OR "earth tides" OR "ocean tide" OR "ocean tides" OR tidalwave\* OR "tidal wave" OR "tidal waves" OR tsunami\* OR tornado\* OR wildfire\* OR "wildland fire" OR "wildland fires" OR "brush fire" OR "brush fires" OR "forest fire" OR "forest fires" OR "wild fire" OR "wild fires" OR "facility fire" OR "facility fires" OR volcanic\* OR "snow storm" OR "snow storms" OR snowstorm\* OR blizzard\* OR "major rainfall" OR "petroleum pollution" OR "oil spill" OR "oil spills" OR "oil pollution" OR "natural hazard" OR "natural hazards" OR "rescue work" OR "rescue workers" OR "relief work" OR "relief workers" OR terrorism OR terrorist OR terrorists OR bioterrorism OR bioterrorist OR bioterrorists) WN KY) |
| Disaster Recovery / Outcomes: | (({Public health} WN CV) OR ({Epidemiology} WN CV) OR ({Respiratory system} WN CV) OR ({Pulmonary diseases} WN CV) OR ({Tumors} WN CV) OR ({Carcinogens} WN CV) OR ({Reconstruction (structural)} WN CV) OR ({Health} WN CV) OR ({Behavioral research} WN CV)) OR (({system recovery} WN CV) OR ({environmental management} WN CV) OR ({health and safety} WN CV) OR ({surveillance} WN CV) OR ({behavioural sciences} WN CV) OR ({human factors} WN CV) OR ({cancer} WN CV) OR ({tumours} WN CV) OR ({lung} WN CV) OR ({recovery} WN CV)) OR (({public health} WN CV) OR ({mental health} WN CV) OR ({mental disorder} WN CV) OR ({epidemiological phenomena} WN CV) OR ({impact} WN CV) OR ({recovery} WN CV) OR ({recovery method} WN CV) OR ({recovery plan} WN CV) OR ({epidemiology} WN CV) OR ({community response} WN CV) OR ({health impact} WN CV) OR ({health monitoring} WN CV) OR ({resilience} WN CV) OR ({cancer} WN CV) OR ({carcinogen} WN CV) OR ({tumor} WN CV) OR ({respiration} WN CV) OR ({respiratory disease} WN CV) OR ({asthma} WN CV) OR ({chronic obstructive pulmonary disease} WN CV) OR ({suicide} WN CV) OR ({behavior by psychological aspect} WN CV) OR ({behavioral response} WN CV) OR ({long-term change} WN CV)) OR (("public health" OR impact\* OR outcome\* OR consequence\* OR recover\* OR rehabilitat\* OR reconstruct\* OR surveillance OR epidemiolog\* OR "population health" OR "community health" OR "mental health" OR "mental disorder" OR "mental disorders" OR "mental illness" OR "mentally ill" OR "health disorder" OR "health disorders" OR PTSD\* OR "post trauma" OR "post traumatic" OR posttrauma\* OR resilien\* OR "build back better" OR "registry" OR "registries" OR "drug abuse" OR "substance abuse" OR "cancer" OR "cancers" OR "cancerous" OR neoplasm\* OR "tumor" OR "tumors" OR "tumour" OR "tumours" OR malignan\* OR "respiration" OR "respiratory" OR asthma\* OR lung\* OR pulmonary OR "depression" OR suicide\* OR "behavioral" OR "behavioural" OR "long term effect" OR "long term effects" OR "longer term effect" OR "longer term effects") WN KY) |
| Binary Operators: | (Big Data) AND (Disasters) AND (Disaster Recovery / Outcomes) |
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