**Supplement 1 (available online only).** Database Search Strategies and Initial Results.

Medline (Ovid)

Number of articles identified: 4,598

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| 1. exp Floods/2. exp Cyclonic Storms/3. (floods or flooding\* or stormwater\* or cyclon\* or typhoon\* or hurricane\*).tw.4. or/1-35. exp Vital Statistics/6. Time Factors/7. exp "Wounds and Injuries"/8. exp Acute Disease/9. exp Chronic Disease/10. exp Disasters/11. exp Disease Outbreaks/12. Epidemiology/13. exp Nutrition Disorders/14. Health Status/15. (injur\* or morbid\* or mortal\* or wound\* or epidemiolog\* or stunting\* or diseas\* or nutrition\* or fracture\* or rupture\* or burn\* or death\* or infect\* or communicab\*).tw.16. (health adj2 (status or effect\* or impact or outcome\*)).tw.17. or/5-1618. 4 and 1719. limit 18 to yr="1980 -Current"20. remove duplicates from 19 |

Cinahl (Ebsco)

Number of articles identified: 1,569

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| 1 TI ( floods or flooding\* or stormwater\* or cyclon\* or typhoon\* or hurricane\* ) OR AB ( floods or flooding\* or stormwater\* or cyclon\* or typhoon\* or hurricane\* ) 2 (MH "Vital Statistics+") 3 (MH "Time Factors") 4 (MH "Wounds and Injuries+") 5 (MH "Acute Disease") 6 (MH "Chronic Disease") 7 (MH "Disasters+") 8 (MH "Disease Outbreaks") 9 (MH "Epidemiology+") 10 (MH "Nutrition Disorders+") 11 (MH "Health Status+") 12 TI ( injur\* or morbid\* or mortal\* or wound\* or epidemiolog\* or stunting\* or diseas\* or nutrition\* or fracture\* or rupture\* or burn\* or death\* or infect\* or communicab\* ) OR AB ( injur\* or morbid\* or mortal\* or wound\* or epidemiolog\* or stunting\* or diseas\* or nutrition\* or fracture\* or rupture\* or burn\* or death\* or infect\* or communicab\* ) 13 TI ( health N2 (status or effect\* or impact or outcome\*) ) OR AB ( health N2 (status or effect\* or impact or outcome\*) ) 14 S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 15 S1 AND S14 Limit to 1981 - Current |

Global Health (Ovid)

Number of articles identified: 1,953

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| 1. exp hurricanes/2. exp floods/3. (floods or flooding\* or stormwater\* or typhoon\* or hurricane\*).tw.4. cyclon\*.tw.5. 1 or 2 or 3 or 46. exp vital statistics/7. exp wounds/ or exp lesions/ or exp wound infections/ or exp wound treatment/8. exp chronic diseases/9. exp disasters/10. epidemiology/11. exp nutritional disorders/12. (injur\* or morbid\* or mortal\* or wound\* or epidemiolog\* or stunting\* or diseas\* or nutrition\* or fracture\* or rupture\* or burn\* or death\* or infect\* or communicab\*).tw.13. (health adj2 (status or effect\* or impact or outcome\*)).tw.14. 6 or 7 or 8 or 9 or 10 or 11 or 12 or 1315. 5 and 1416. limit 15 to yr="1980 -Current" |

Web of Science Core Collection

Number of articles identified: 2,046

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| # 5 | **2,046** | #2 AND #1**Refined by:** [excluding] **RESEARCH AREAS:** ( ENVIRONMENTAL SCIENCES ECOLOGY OR OPERATIONS RESEARCH MANAGEMENT SCIENCE OR PLANT SCIENCES OR AGRICULTURE OR ENGINEERING OR SOCIOLOGY OR GEOLOGY OR MARINE FRESHWATER BIOLOGY OR WATER RESOURCES OR METEOROLOGY ATMOSPHERIC SCIENCES OR BUSINESS ECONOMICS OR MECHANICS OR FORESTRY OR URBAN STUDIES OR MATERIALS SCIENCE OR ZOOLOGY OR GOVERNMENT LAW OR CONSTRUCTION BUILDING TECHNOLOGY OR SCIENCE TECHNOLOGY OTHER TOPICS OR VETERINARY SCIENCES OR BIODIVERSITY CONSERVATION OR OCEANOGRAPHY OR FOOD SCIENCE TECHNOLOGY OR PHYSICAL GEOGRAPHY OR ENTOMOLOGY OR IMAGING SCIENCE PHOTOGRAPHIC TECHNOLOGY OR THERMODYNAMICS OR ENERGY FUELS OR MATHEMATICS OR MINING MINERAL PROCESSING OR FISHERIES OR MATHEMATICAL METHODS IN SOCIAL SCIENCES OR INSTRUMENTS INSTRUMENTATION OR COMPUTER SCIENCE OR HISTORY OR INFORMATION SCIENCE LIBRARY SCIENCE OR EDUCATION EDUCATIONAL RESEARCH OR TELECOMMUNICATIONS OR AUTOMATION CONTROL SYSTEMS OR ARCHAEOLOGY OR NUCLEAR SCIENCE TECHNOLOGY ) AND**PUBLICATION YEARS:** ( 2014 OR 2015 OR 1995 OR 1983 OR 2011 OR 2000 OR 1993 OR 2013 OR 1996 OR 1994 OR 2009 OR 2002 OR 1992 OR 1984 OR 2007 OR 2004 OR 1991 OR 1980 OR 2010 OR 1999 OR 1981 OR 2012 OR 2001 OR 1990 OR 2008 OR 2003 OR 1987 OR 2006 OR 1998 OR 1988 OR 2005 OR 1997 OR 1986 ) |

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| # 3 | **6,790** | #2 AND #1 |

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| # 2 | **5,695,385** | **TOPIC:** (injur\* or morbid\* or mortal\* or wound\* or epidemiolog\* or stunting\* or diseas\* or nutrition\* or burn\* or death\* or infect\* or communicab\*) *OR***TOPIC:** (health NEAR/2 (status or effect\* or impact or outcome\*)) |

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| # 1 | **122,669** | **TOPIC:** (floods or flooding\* or stormwater\* or cyclon\* or typhoon\* or hurricane) |

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Embase (embase.com)

Number of articles identified: 5,024

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| **#18** #4 AND #16 AND [1980-2015]/py**#17** #4 AND #16 **#16** #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15**#15** (health NEAR/2 (status OR effect\* OR impact OR outcome\*)):ab,ti**#14** injur\*:ab,ti OR morbid\*:ab,ti OR mortal\*:ab,ti OR wound\*:ab,ti OR epidemiolog\*:ab,ti OR stunting\*:ab,ti OR diseas\*:ab,ti ORnutrition\*:ab,ti OR fracture\*:ab,ti OR rupture\*:ab,ti OR burn\*:ab,ti OR death\*:ab,ti OR infect\*:ab,ti OR communicab\*:ab,ti**#13** ‘health status’/de**#12** ‘nutritional disorder’/exp**#11** ‘epidemiology’/de**#10** ‘epidemic’/exp**#9** ‘disaster’/exp**#8**  ‘chronic disease’/exp**#7** ‘acute disease’/exp**#6**  ‘injury’/exp**#5**  ‘vital statistics’/exp**#4**  #1 OR #2 OR #3**#3**  floods:ab,ti OR flooding\*:ab,ti OR stormwater\*:ab,ti OR cyclon\*:ab,ti OR typhoon\*:ab,ti OR hurricane\*:ab,ti**#2**  ‘hurricane’/exp**#1**  ‘flooding’/exp |

PubMed (non-indexed references)

Number of articles identified: 256

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| (((((floods[Title/Abstract] OR flooding\*[Title/Abstract] OR stormwater\*[Title/Abstract] OR cyclon\*[Title/Abstract] OR typhoon\*[Title/Abstract] OR hurricane\*[Title/Abstract])))AND((injur\*[Title/Abstract] OR morbid\*[Title/Abstract] OR mortal\*[Title/Abstract] OR wound\*[Title/Abstract] OR epidemiolog\*[Title/Abstract] OR stunting\*[Title/Abstract] OR diseas\*[Title/Abstract] OR nutrition\*[Title/Abstract] OR fracture\*[Title/Abstract] OR rupture\*[Title/Abstract] OR burn\*[Title/Abstract] OR death\*[Title/Abstract] OR infect\*[Title/Abstract] OR communicab\*[Title/Abstract]))))NOT medline[sb] |