Scoping review search strategy and results

Final searches were conducted on 18.06.2018.

Table 1. **Logic grid with selected keywords, index terms and subject headings** (combined)

Decision-making	Scientific evidence	Health emergency
decision making	evidence-based	health crisis
decision making factors	evidence-informed	health emergency
policy making	evidence use	pandemic
health care policy	scientific advice	epidemic
crisis management	expert advice	disease outbreak
crisis response	external experts	outbreak
governance approach	public health experts	health disaster
disaster response	scientific recommendations	mass causality incidents
disaster management	implementation science	humanitarian crisis
disaster risk reduction	improvement science	global health security
incident management	knowledge translation strategies	public health emergencies of
risk management	epistemic policy learning	international concern
transition to decision making	knowledge utilization	new paradigm disaster
policy ambiguity	research utilization	manmade disaster
health policy process	evidence for policy	
crisis leadership	evidence-policy gap	
health in all policies	uncertainty	
multilevel governance		
public health politics		
political determinants of health		
politics of health		
political systems		
preparedness and response		
organization and management		
situational awareness		
decision-support techniques		

Database search strategies

1. Scopus = 908 results

TITLE-ABS-KEY ("decision mak*" OR "policy mak*" OR "health care policy" OR "crisis manag*" OR "crisis response" OR "governance approach" OR "disaster response" OR "disaster manag*" OR "disaster risk reduction" OR "risk manag*" OR "transition to decision making" OR "policy ambiguity" OR "health policy process" OR "crisis lead*" OR "health in all policies" OR "multilevel governance" OR "public health politics" OR "political determinants of health" OR "politics of health" OR "political system*" OR "organization and management" OR "situational awareness" OR "decision-support techniques") AND TITLE-ABS-KEY ("evidence-bas*" OR "evidence-informed" OR "evidence use" OR "scientific advice" OR "expert advice" OR "external expert*" OR "scientific recommendation*" OR "implementation science" OR "improvement science" OR "knowledge translation strateg*" OR "epistemic policy learning" OR "knowledge utilization" OR "evidence for policy" OR "evidence-policy gap" OR "uncertainty") AND TITLE-ABS-KEY ("health cris*" OR "health emerg*" OR "pandemic" OR "epidemic" OR "outbreak*" OR "health disaster*" OR "mass causality incident*" OR "humanitarian cris*" OR "global health security" OR "public health emergency of international concern" OR "new paradigm disaster*" OR "manmade disaster*") AND PUBYEAR > 2008 AND (LIMIT-TO (LANGUAGE , "English "))

2. Embase = 909 results

No.	Query	Results
Table 2. Embase search strategy		
No.	Query	Results
#4	#1 AND #2 AND #3	882
#3	('health cris*' OR 'health emerg*' OR 'pandemic'/exp OR 'epidemic' OR 'outbreak*' OR 'health disaster*' OR 'crisis situation*' OR 'mass causality incident*' OR 'humanitarian cris*' OR 'global health security' OR 'public health emergencies of international concern' OR 'new paradigm disaster' OR 'manmade disaster':ti,ab) AND [english]/lim AND [2009-2018]/py	102,867
#2	('evidence based practice'/de OR 'evidence-informed' OR 'evidence use' OR 'scientific advice' OR 'expert advice' OR 'expertise' OR 'external experts' OR 'scientific recommendation' OR 'implementation science' OR 'improvement science' OR 'knowledge translation strateg*' OR 'epistemic policy learning' OR 'knowledge utilization' OR 'knowledge uptake' OR 'preparedness and response' OR 'evidence for policy' OR 'evidence-policy gap' OR 'uncertainty':ti,ab) AND [english]/lim AND [2009-2018]/py	133,918
#1	('decision making'/exp OR 'decision making' OR 'policy making'/exp OR 'policy making' OR 'health care policy'/exp OR 'health care policy' OR 'crisis management' OR 'governance approach' OR 'disaster response'/exp OR 'disaster response' OR 'disaster management'/exp OR 'disaster management' OR 'disaster risk reduction' OR 'risk management'/exp OR 'risk management' OR 'transition to decision making' OR 'policy ambiguity' OR 'health policy process' OR 'crisis leader*' OR 'health in all policies' OR 'multilevel governance' OR 'public health politics' OR 'political determinants of health' OR 'politics of health' OR 'political system'/exp OR 'political system' OR 'organization and management'/exp OR 'organization and management' OR 'situational awareness'/exp OR 'government regulation'/de OR 'situational awareness' OR 'decision-support techniques':ab,ti) AND [english]/lim AND [2009-2018]/py	991,954

3. Google Scholar = about 820 results

("evidence based decision making" OR "evidence based policy making" OR "use of evidence by policy makers") AND ("health crisis" OR "health emergency" OR "disease outbreak"); 2009 -2018

4. Google Advanced = about 150 results

decision-making policy health emergency evidence "after action reviews" OR "case study" OR "government report"