

Supplementary A: Search strategy for scoping review

Ovid Embase; WHO Global Index Medicus; Ovid Medline; Ovid Global Health; Scopus

1 Ebola hemorrhagic fever/ or Marburg hemorrhagic fever/ or Marburg virus/ or Marburgvirus/
2 lassa fever/ or lassa virus/
3 Crimean Congo hemorrhagic fever/ or Crimean-Congo hemorrhagic fever virus/
4 Rift Valley fever/ or rift valley fever virus/
5 (ebola* or ebov or marburg* or lassa* or CCHF or CCHVF or "crimean-congo*" or "congo virus" or
6 (crimean adj2 (hemorrhagic or haemorrhagic)) or "rift valley*" or RVF or RVFV).ti,ab.
7 exp coronavirinae/ or exp Coronavirus infection/ or severe acute respiratory syndrome/
8 ("middle east* respiratory syndr*" or MERS-CoV or "novel CoV*" or "novel betacoronavirus" or
9 coronavirus* or covid* or ("middle east" adj3 (cov or betacoronavirus*)) or (MERS adj3 (cov or
10 betacoronavirus*)) or "mers-coronavirus" or "mers cov" or merscov or "wuhan flu" or 2019-
11 nCoV).tw.
12 exp West Nile virus/
13 ("west nile" or "egypt 101").ti,ab,kw.
14 exp "influenza a virus (h1n1)"/ or "influenza a virus (h5n1)"/ or "influenza a virus (h3n2)"/ or
15 "Influenza A virus (H7N9)"/
16 (H1N1 or H5N1 or H3N2 or H7N9).ti,ab,kw.
17 exp henipavirus/ or exp Henipavirus infection/
18 (nipah or hendra).tw.
19 African swine fever virus/ or African swine fever/ or ("african swine" or "ASF virus" or ASFV or "wart
20 hog disease virus*").ti,ab,kw.
21 monkeypox/ or monkeypox virus/
22 (monkeypox or "monkey pox").tw.
23 exp Zika virus/ or Zika fever/
24 (zika* or zikv).ti,ab,kw.
25 ("disease x*" or "pathogen x*").ti,ab,kw.
26 exp poliomyelitis/ or polio*.ti,ab,kw.
27 smallpox/ or Smallpox virus/
28 (smallpox* or "small pox*" or variola).ti,ab,kw.
29 ("priority pathogen*" or "re-emerging pathogen*" or "reemerging pathogen*" or "emerging
30 pathogen*").ti,ab,kw.
31 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20
32 or 21 or 22 or 23
33 epidemic/
34 pandemic/
35 (((health\$ or disease\$) adj5 (disaster\$ or catastrophe\$ or crises or crisis)) or epidemic* or pandemic*
36 or outbreak* or out-break* or "public health emergenc*" or "global health emergenc*").ti,ab,kw.
37 25 or 26 or 27
38 research priority/
39 ((setting* adj2 priorit*) or "research priorit*" or "research strateg*" or "prioritisation methodolog*"
40 or (generat* adj2 priorit*) or (develop* adj2 priorit*) or "priority guideline*" or "agenda setting*" or
41 "research gap*" or (identif* adj2 priorit*) or "research question*").ti,ab,kw.
42 29 or 30
43 disaster preparedness/
44 (preparedness or readiness or "in advance of" or "planning for").ti,ab,kw.
45 24 and 28 and 31 and 33
46 28 and 31 and 33
47 24 or 28
48 31 and 33 and 36

38 (response or control or prevention or addressing or tackle).ti,ab,kw.
39 infection control/
40 prevention/
41 38 or 39 or 40
42 33 or 41
43 31 and 36 and 42
44 exp brucellosis/
45 (brucellosis or brucelloses or brucella).ti,ab,kw.
46 Q fever/
47 ("q fever*" or "Coxiella burnetii" or coxiellosis or "query fever*").ti,ab,kw.
48 melioidosis/
49 (melioidosis or pseudomallei or "whitmore* disease*" or "nightcliff gardener* disease*" or
pseudoglanders or "paddy-field disease" or "paddyfield disease").ti,ab,kw.
50 tularemia/
51 (Tularaemia* or tularemia* or "Francisella tularensis" or "ohara disease" or "rabbit fever").ti,ab,kw.
52 cholera/
53 cholera*.ti,ab,kw.
54 exp plague/
55 (plague or "black death" or "Yersinia pestis" or "Y. pestis").ti,ab,kw.
56 glanders/
57 (Glanders or "Burkholderia mallei").ti,ab,kw.
58 exp anthrax/
59 (Anthrax or "Bacillus anthracis" or "B. anthracis").ti,ab,kw.
60 24 or 28 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59
61 31 and 42 and 60

Google Scholar

(priorit*|"agenda setting"|"research gap*"|"research question*")(preparedness|readiness|"advance of"|"planning for"|response|control|prevention|addressing|tackle)(outbreak*|pandemic*|epidemic*|"public health emergenc*"|"global health emerg*")

Overton

abstract: (preparedness OR readiness OR "in advance of" OR "planning for" or response OR control OR prevention OR addressing OR tackle) AND ((setting* AND priorit*) OR (research* AND priorit*) OR "research strateg*" OR "prioritisation methodolog*" OR "prioritization methodolog*") OR (generat* AND priorit*) OR (develop* AND priorit*) OR "priority guideline*" OR "agenda setting*" OR (research* AND gap*) OR (identif* AND priorit*) OR "research question*") AND (ebola* OR ebov OR marburg* OR lassa* OR cchf OR cchvf OR "crimean-congo*" OR "congo virus" OR (crimean AND (hemorrhagic OR haemorrhagic)) OR "rift valley*" OR rvf OR rvfv or "middle east* respiratory syndr*" OR mers-cov OR "novel CoV*" OR "novel betacoronavirus" OR coronavirus* OR covid* OR ("middle east" AND (cov OR betacoronavirus*)) OR (mers AND (cov OR betacoronavirus*)) OR "mers-coronavirus" OR "mers cov" OR merscov OR "wuhan flu" OR 2019-ncov OR "west nile" OR "egypt 101" OR h1n1 OR h5n1 OR h3n2 OR h7n9 OR nipah* OR hendra* OR henipavirus* OR "african swine" OR "ASF virus" OR asfv OR "wart hog disease virus*" OR monkeypox OR "monkey pox" OR zika* OR zikv OR "disease x*" OR "pathogen x*" OR smallpox* OR "small pox*" OR variola OR polio* OR brucellosis OR brucelloses OR brucella OR "q fever*" OR "Coxiella burnetii" OR coxiellosis OR "query fever*" OR melioidosis OR pseudomallei OR "whitmore* disease*" OR "nightcliff gardener* disease*" OR pseudoglanders OR "paddy-field disease" OR "paddyfield disease" OR tularaemia* OR tularemia* OR "Francisella tularensis" OR "ohara disease" OR "rabbit fever" OR cholera* OR plague OR "black death" OR "Yersinia pestis" OR "Y. pestis" OR anthrax OR "Bacillus anthracis" OR "B. anthracis" OR "priority pathogen*" OR "potential

pathogen*" OR "re-emerging pathogen*" OR "reemerging pathogen*" OR "emerging pathogen*" OR ((health* OR disease*) AND (disaster* OR catastrophe* OR crises OR crisis)) OR epidemic* OR pandemic* OR outbreak* OR out-break* OR "public health emergenc*" OR "global health emergenc*"))