Supplementary File

Search strategies

Database: Global Health database (ovid), 4 March 2019

1. ((vulnerab* or disadvant* or low income or at risk* or marginal* or key) adj6 (population* or group* or people* or communit*)).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (32565)
2. exp infectious diseases/ (48098)
3. exp ebolavirus/ (3701)
4. exp crimean-congo haemorrhagic fever virus/ (1409)
5. exp marburgvirus/ (651)
6. exp lassa virus/ (702)
7. exp rift valley fever virus/ (1577)
8. exp measles virus/ (7768)
9. exp influenza/ (28512)
10. exp drug resistance/ (97089)
11. (infectious diseas* or ebola* or measles or influenza* or flu).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (119288)
12. ((marburg or lassa or rift valley or congo) adj4 (virus* or fever)).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (4260)
13. 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 (210937)
14. 1 and 13 (2299)
15. ((vulnerab* or rapid or barefoot or participat* or context* or qualitat* or quantitat*) adj6 (assess* or approach* or analys* or evaluat*)).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (61363)
16. (vulnerab* adj6 measur*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (293)
17. toolkit*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (585)
18. mixed method*.mp. (3802)
19. 15 or 16 or 17 or 18 (64836)
20. 14 and 19 (120)
21. (one health or human* environment* or human* plant* or zoonotic* disease* or zoonos* or vector* born* or one medicin or bio social* or biosocial*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (126786)
22. 14 and 21 (257)
23. 22 not 20 (236)

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Database: Medline, 1 April 2019

1 Vulnerable Populations/ (9196)
2 ((vulnerab* or disadvant* or low income or at risk* or marginal* or key) adj5 (population* or group* or people* or communit*)).ti,ab,kf,kw. (73757)
3 1 or 2 (80138)
4 ((vulnerab* or rapid or barefoot or participat* or context* or qualitat* or quantitat*) adj6 (assessment* or approach* or analy* or evaluat* or measur* or tool*)).ti,ab,kw,kf. (404666)
5 mixed method*.ti,ab,kw. (16584)
6 4 or 5 (416134)
7 3 and 6 (5320)
8 exp Communicable Diseases/ (33526)
9 hemorrhagic fevers, viral/ or hemorrhagic fever, crimean/ or hemorrhagic fever, ebola/ or lassa fever/ or marburg virus disease/ or rift valley fever/ (8588)
10 Measles/ (13090)
11 Influenza, Human/ (46095)
12 (infectious diseas* or ebola* or measles or influenza* or flu).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (250987)
13 ((marburg or lassa or rift valley or congo) adj4 (virus* or fever)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (5286)
14 8 or 9 or 10 or 11 or 12 or 13 (277516)
15 exp anti-bacterial agents/ or exp antifungal agents/ or exp antiparasitic agents/ or exp antiviral agents/ (1241843)
16 (antibiotic* or anti biotic* or antimicrob* or anti microb* or antibacterial* or anti bacterial* or antifungal* or anti fungal* or antiparasit* or anti parasit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (680643)
17 15 or 16 (1494415)
18 drug resistance/ (45425)
19 resistan*.mp. (1030696)
20 ((suboptimal* or 'sub optimal*') adj4 ('use' or utilization* or utilisation* or usage or prescription* or prescrib* or administrat*)).ti,ab,kw,kf. (1456)
21 overuse.ti,ab,kw,kf. (9645)
22 18 or 19 or 20 or 21 (1040537)
23 17 and 22 (283378)
24 exp drug resistance, microbial/ or exp drug resistance, multiple/ (165500)
25 (amr or antimicrobial resistance*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (19481)
26 23 or 24 or 25 (315780)
27 disasters/ or exp disaster planning/ or exp emergencies/ or exp natural disasters/ (76941)
28 exp Climate Change/ (15831)
29 (disaster* or outbreak* or crisis or crises or natural hazard* or emergency or emergencies or climate change or pandemic* or endemic*).ti,ab,kf,kw. (506063)
30 (storm or storms or flood* or drought* or earthquake* or wildfire* or avalanche* or tornado* or cyclon* or hurrican*).ti,ab,kf,kw. (57428)
31 27 or 28 or 29 or 30 (579969)
32 (one health or human* environment* or human* plant* or zoonotic* disease* or zoonos* or vector born* or one medicin* or bio social* or biosocial*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (33611)
33 One Health/ (141)
34 Zoonoses/ (15656)
35 32 or 33 or 34 (33611)
36 7 and 14 (114)
37 7 and 26 (22)
38 7 and 31 (645)
39 36 or 37 or 38 (720)
40 limit 39 to yr="1978 - 2019" (720)
41 35 and 40 (24)
42 40 not 41 (696)

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Database: Global index Medicus (WHO), 8 April 2019

vulnerab*
AND assess* OR approach* OR analy* OR evaluat* OR measur* OR tool*
AND disaster* OR emergency OR emergencies OR outbreak* OR crises OR crisis OR "natural hazard*" OR "climate change*" OR pandemic* OR endemic*
OR infectious disease* OR communicable disease* OR transmiss*
OR AMR OR anti"microbial resist* OR anti"biotic resist* OR anti"biotic stew* OR anti"fungal resist* OR anti"parasit* resist* OR anti"viral resist*
OR "drug* resistan*" AND (microbial* OR bacteria* OR multiple OR antibiotic* OR fungal* OR viral*)
OR one health OR human*environment OR human*plant OR zoonotic disease* OR zoonos* or vector*born*
or one medic* or bio*social* or biosocial*

Database: AJOL (African Journal online), 3 April 2019

vulnerability assessment* or approach* or analy* or evaluat* or measur* or tool*

Database: Epistemikos, 11 April 2019

Full query: (title:(vulnerab*) OR abstract:(vulnerab*)) AND (title:(population* OR group* OR people* OR communit*) OR abstract:(population* OR group* OR people* OR communit*)) AND (title:(vulnerab* OR qualitat* OR quantitat* OR participat* OR barefoot*) OR abstract:(vulnerab* OR qualitat* OR quantitat* OR participat* OR barefoot*)) AND (title:(assessment* OR approach* OR analy* OR evaluat* OR measur* OR tool*) OR abstract:(assessment* OR approach* OR analy* OR evaluat* OR measur* OR tool*)) AND (title:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious disease* OR communicable disease* OR ebola* OR "marburg virus" OR lassa* OR "rift valley fever" OR "crimean congo hemorrhagic fever" OR "crimean congo haemorrhagic fever" OR antibiotic resistant* OR antimicrobial resistant* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR emergency OR emergencies OR pandemic* OR endemic*) OR abstract:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious disease* OR communicable disease* OR ebola* OR "marburg virus" OR lassa* OR "rift valley fever" OR "crimean congo hemorrhagic fever" OR "crimean congo haemorrhagic fever" OR antibiotic resistant* OR antimicrobial resistant* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR emergency OR emergencies OR pandemic* OR endemic*))

1) (title:(vulnerab*) OR abstract:(vulnerab*))
2) AND (title:(population* OR group* OR people* OR communit*) OR abstract:(population* OR group* OR people* OR communit*))
3) AND (title:(vulnerab* OR qualitat* OR quantitat* OR participat* OR barefoot*) OR abstract:(vulnerab* OR qualitat* OR quantitat* OR participat* OR barefoot*))
4) AND (title:(assessment* OR approach* OR analy* OR evaluat* OR measur* OR tool*) OR abstract:(assessment* OR approach* OR analy* OR evaluat* OR measur* OR tool*))
5) AND (title:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious disease* OR communicable disease* OR ebola* OR "marburg virus" OR lassa* OR "rift valley fever" OR "crimean congo hemorrhagic fever" OR "crimean congo haemorrhagic fever" OR antibiotic resistant* OR antimicrobial resistant* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR emergency OR emergencies OR pandemic* OR endemic*) OR abstract:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious disease* OR communicable disease* OR ebola* OR "marburg virus" OR lassa* OR "rift valley fever" OR "crimean congo hemorrhagic fever" OR "crimean congo haemorrhagic fever" OR antibiotic resistant* OR antimicrobial resistant* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR emergency OR emergencies OR pandemic* OR endemic*))
Full query: (title:(vulnerable groups) OR abstract:(vulnerable groups)) AND (title:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious diseases* OR antibiotic resistance* OR antimicrobial resistance* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR pandemic* OR endemic*) OR abstract:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious diseases* OR antibiotic resistance* OR antimicrobial resistance* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR "natural hazards" OR emergency OR emergencies OR pandemic* OR endemic*))) OR abstract:((title:(vulnerable groups) OR abstract:(vulnerable groups)) AND (title:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious diseases* OR antibiotic resistance* OR antimicrobial resistance* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR pandemic* OR endemic*) OR abstract:("climate change" OR disaster* OR outbreak* OR disease outbreak* OR infectious diseases* OR antibiotic resistance* OR antimicrobial resistance* OR crisis OR crises OR "natural hazard" OR "natural hazards" OR pandemic* OR endemic*)))