

SUPPLEMENTARY DOCUMENTS

Supplementary file 1 – Search strategy 11th November

PubMed search history - November 11, 2020

Search	PubMed Query - November 11, 2020	Results
#3	#1 AND #2	915
#2	"Disease Outbreaks"[MeSH] OR "outbreak*"[tiab] OR "pandemic*"[tiab] OR "COVID-19"[Supplementary Concept] OR "Ebola virus"[MeSH] OR "Dengue"[Mesh] OR "Dengue Virus"[Mesh] OR "Influenza A Virus, H1N1 Subtype"[Mesh] OR "Influenza A virus"[MeSH] OR "SARS Virus"[MeSH] OR "Zika Virus"[MeSH] OR "Zika Virus Infection"[MeSH] OR "Lassa virus"[Mesh] OR "Lassa Fever"[Mesh] OR "ebola*"[tiab] OR "dengue"[tiab] OR "H1N1"[tiab] OR "Influenza A"[tiab] OR "Avian influenza"[tiab] OR "COVID-19"[tiab] OR "COVID19"[tiab] OR "Coronavirus"[tiab] OR "corona virus"[tiab] OR "2019-nCoV"[tiab] OR "SARS"[tiab] OR "severe acute respiratory syndrome*"[tiab] OR "Zika"[tiab] OR "lassa fever"[tiab] OR "lassa virus"[tiab]	310,293
#1	"Community Participation"[MeSH] OR "Patient Participation"[MeSH] OR "Stakeholder Participation"[MeSH] OR "community involv*"[tiab] OR "community action*"[tiab] OR "community participat*"[tiab] OR "community engag*"[tiab] OR "public involv*"[tiab] OR "public participat*"[tiab] OR "public action*"[tiab] OR "public engag*"[tiab] OR "patient participat*"[tiab] OR "patient involv*"[tiab] OR "patient action*"[tiab] OR "patient engag*"[tiab] OR "stakeholder involv*"[tiab] OR "stakeholder action*"[tiab] OR "stakeholder participat*"[tiab] OR "stakeholder engag*"[tiab]	61,966

Embase.com search history - November 11, 2020

Search	Embase.com Query - November 11, 2020	Results
#3	#1 AND #2	1,031
#2	'pandemic'/exp OR 'outbreak'/exp OR 'coronavirus disease 2019'/exp OR 'ebola hemorrhagic fever'/exp OR 'dengue'/exp OR 'Dengue virus'/exp OR 'influenza a virus (h1n1)'/exp OR 'influenza a virus'/exp OR 'severe acute respiratory syndrome'/exp OR 'zika fever'/exp OR 'zika virus'/exp OR 'lassa virus'/exp OR 'lassa fever'/exp OR 'outbreak*':ti,ab,kw OR 'pandemic*':ti,ab,kw OR 'ebola*':ti,ab,kw OR 'dengue':ti,ab,kw OR 'h1n1':ti,ab,kw OR 'influenza a':ti,ab,kw OR 'avian influenza':ti,ab,kw OR 'covid-19':ti,ab,kw OR 'covid19':ti,ab,kw OR 'coronavirus':ti,ab,kw OR 'corona virus':ti,ab,kw OR '2019-ncov':ti,ab,kw OR 'sars':ti,ab,kw OR 'severe acute respiratory syndrome*':ti,ab,kw OR 'zika':ti,ab,kw OR 'lassa fever':ti,ab,kw OR 'lassa virus':ti,ab,kw	308,341
#1	'community participation'/exp OR 'patient participation'/exp OR 'public participation'/exp OR 'stakeholder engagement'/exp OR 'community involv*':ab,ti,kw OR 'community action*':ab,ti,kw OR 'community participat*':ab,ti,kw OR 'community engag*':ab,ti,kw OR 'public involv*':ab,ti,kw OR 'public participat*':ab,ti,kw OR 'public action*':ab,ti,kw OR 'public engag*':ab,ti,kw OR 'patient participat*':ab,ti,kw OR 'patient involv*':ab,ti,kw OR 'patient action*':ab,ti,kw OR 'patient engag*':ab,ti,kw OR 'stakeholder involv*':ab,ti,kw OR 'stakeholder action*':ab,ti,kw OR 'stakeholder participat*':ab,ti,kw OR 'stakeholder engag*':ab,ti,kw	56,693

Web of Science Core Collection search history - November 11, 2020

Search	Web of Science Core Collection Query - November 11, 2020	Results
#3	#1 AND #2	686
#2	TS = (outbreak* OR "pandemic" OR "Ebola" OR "Influenza A" OR "Avian influenza" OR "h1n1" OR "dengue" OR "lassa fever" OR "lassa virus" OR "zika" OR "sars" OR "severe acute respiratory syndrome" OR "coronavirus" OR "covid-19" OR "covid19" OR "corona virus" OR "2019-ncov")	289,271
#1	TS= ("community involv*" OR "community action*" OR "community participat*" OR "community engag*" OR "public involv*" OR "public participat*" OR "public action*" OR "public engag*" OR "patient participat*" OR "patient involv*" OR "patient action*" OR "patient engag*" OR "stakeholder involv*" OR "stakeholder action*" OR "stakeholder participat*" OR "stakeholder engag*")	43,720

Scopus search history - November 11, 2020

Search	Scopus Query - November 11, 2020	Results
#3	#1 AND #2	1,473
#2	TITLE-ABS-KEY (outbreak* OR [pandemic] OR [Ebola] OR "Influenza A" OR "Avian influenza" OR [h1n1] OR [dengue] OR "lassa fever" OR "lassa virus" OR [zika] OR [sars] OR "severe acute respiratory syndrome" OR [coronavirus] OR [covid-19] OR [covid19] OR "corona virus" OR "2019-ncov")	377,220

#1	TITLE-ABS-KEY ("community involv*" OR "community action*" OR "community participat*" OR "community engag*" OR "public involv*" OR "public participat*" OR "public action*" OR "public engag*" OR "patient participat*" OR "patient involv*" OR "patient action*" OR "patient engag*" OR "stakeholder involv*" OR "stakeholder action*" OR "stakeholder participat*" OR "stakeholder engag*")	123,162
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APA PsycInfo (Ebsco) search history - November 11, 2020

Search	APA PsycInfo Query - November 11, 2020	Results
#3	#1 AND #2	73
#2	DE ("Pandemics" OR "Swine Influenza") OR TI (outbreak* OR pandemic OR Ebola OR "Influenza A" OR "Avian influenza" OR h1n1 OR dengue OR "lassa fever" OR "lassa virus" OR zika OR sars OR "severe acute respiratory syndrome" OR coronavirus OR covid-19 OR covid19 OR "corona virus" OR "2019-ncov") OR AB (outbreak* OR pandemic OR Ebola OR "Influenza A" OR "Avian influenza" OR h1n1 OR dengue OR "lassa fever" OR "lassa virus" OR zika OR sars OR "severe acute respiratory syndrome" OR coronavirus OR covid-19 OR covid19 OR "corona virus" OR "2019-ncov") OR KW (outbreak* OR pandemic OR Ebola OR "Influenza A" OR "Avian influenza" OR h1n1 OR dengue OR "lassa fever" OR "lassa virus" OR zika OR sars OR "severe acute respiratory syndrome" OR coronavirus OR covid-19 OR covid19 OR "corona virus" OR "2019-ncov")	9,676
#1	DE ("Community Involvement" OR "Client Participation") OR TI ("community involv*" OR "community action*" OR "community participat*" OR "community engag*" OR "public involv*" OR "public participat*" OR "public action*" OR "public engag*" OR "patient participat*" OR "patient involv*" OR "patient action*" OR "patient engag*" OR "stakeholder involv*" OR "stakeholder action*" OR "stakeholder participat*" OR "stakeholder engag*") OR AB ("community involv*" OR "community action*" OR "community participat*" OR "community engag*" OR "public involv*" OR "public participat*" OR "public action*" OR "public engag*" OR "patient participat*" OR "patient involv*" OR "patient action*" OR "patient engag*" OR "stakeholder involv*" OR "stakeholder action*" OR "stakeholder participat*" OR "stakeholder engag*") OR KW ("community involv*" OR "community action*" OR "community participat*" OR "community engag*" OR "public involv*" OR "public participat*" OR "public action*" OR "public engag*" OR "patient participat*" OR "patient involv*" OR "patient action*" OR "patient engag*" OR "stakeholder involv*" OR "stakeholder action*" OR "stakeholder participat*" OR "stakeholder engag*")	16,874

Supplementary file 2 - Details on critical appraisal of included papers

Criteria of CASP Qualitative research checklist (33)	DeKraai et al. (2007)	Alonge et al. (2019)	Biddison et al. (2018)	Braunack-Mayer et al. (2010)	Brittain et al. (2020)	Charania et al. (2012)
1. Was there a clear statement of the aims of the research?	Yes	Yes	Yes	Yes	Yes	Yes
2. Is a qualitative methodology appropriate?	Yes	Yes	Yes	Yes	Yes	Yes
3. Was the research design appropriate to address the aims of the research?	Can't tell	Can't tell	Yes	Yes	No	Yes
4. Was the recruitment strategy appropriate to the aims of the research?	Yes	Yes	Yes	Can't tell	Yes	Can't tell
5. Was the data collected in a way that addressed the research issue?	Can't tell	Can't tell	Yes	Can't tell	Can't tell	Yes
6. Has the relationship between researcher and participants been adequately considered?	No	No	No	Can't tell	No	No
7. Have ethical issues been taken into consideration?	No	No	No	No	No	Can't tell
8. Was the data analysis sufficiently rigorous?	No	No	Yes	Can't tell	Yes	Can't tell
9. Is there a clear statement of findings?	Yes	Yes	Yes	Yes	Yes	Yes
10. How valuable is the research?	Moderate	Low	Moderate to low	Moderate	High	High

Criteria of CASP Qualitative research checklist (33)	Fain et al. (2014)	Massey et al. (2011)	McNaughton et al. (2012)	McNaughton et al. (2014)	Rogers et al. (2009)	Sanchez et al. (2009)
1. Was there a clear statement of the aims of the research?	Yes	Yes	Yes	Yes	Yes	Can't tell
2. Is a qualitative methodology appropriate?	Yes	Can't tell	Yes	Yes	Yes	Yes
3. Was the research design appropriate to address the aims of the research?	Yes	Yes	Yes	Yes	Yes	No
4. Was the recruitment strategy appropriate to the aims of the research?	Yes	Can't tell	Yes	Yes	Can't tell	Can't tell
5. Was the data collected in a way that addressed the research issue?	Can't tell	Can't tell	Yes	No	Yes	Can't tell
6. Has the relationship between researcher and participants been adequately considered?	No	No	No	No	Yes	No
7. Have ethical issues been taken into consideration?	No	No	No	Can't tell	No	No
8. Was the data analysis sufficiently rigorous?	Yes	Yes	Can't tell	Can't tell	Can't tell	Can't tell
9. Is there a clear statement of findings?	Yes	Yes	Can't tell	Yes	Yes	Can't tell
10. How valuable is the research?	Moderate to low	Moderate	Moderate to low	Moderate	Moderate	Moderate to low

Criteria of CASP Randomised Controlled Trial Standard checklist (34)	Andersson et al. (2015)
1. Did the study address a clearly focused research question?	No
2. Was the assignment of participants to interventions randomised?	Yes
3. Were all participants who entered the study accounted for at its conclusion?	Yes
4. Were participants, investigators and people assessing blinded?	No
5. Were the study groups similar at the start of the randomised controlled trial?	Yes
6. Apart from the experimental intervention, did each study group receive the same level of care (that is, were they treated equally)?	Can't tell
7. Were the effects of intervention reported comprehensively?	Yes
8. Was the precision of the estimate of the intervention or treatment effect reported?	Yes
9. Do the benefits of the experimental intervention outweigh the harms and costs?	Yes
10. Can the results be applied to your local population/in your context?	Can't tell
11. Would the experimental intervention provide greater value to the people in your care than any of the existing interventions?	Can't tell
Appraisal summary	Interesting piece as uses an RCT method, which is not frequently used in the field of public engagement. However, the public engagement intervention is not clearly explained, which intervenes the reproducibility of the study. Overall it is difficult to interpret if public engagement actually is effective or not, as well as the difficulty to interpret what exactly is meant with public engagement.