

Appendix I

Full search strategy

MEDLINE Ovid (including Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Versions) (1946 to September Week 4 2017) (searched 10 October 2017)

#	Searches	Results
1	((active or proactive) adj (community or case) adj (diagnosis or detection or finding or management or treatment)).mp.	753
2	((home* or house* or door* or community or deinstitutional* or active* or proactive*) adj (visit* or healthcare or health care or care or search* or detecti* or finding or screen* or seek* or diagnos* or testing\$ or management or treatment or service\$ or intervention\$)).mp.	81661
3	care home\$.mp.	2605
4	2 not 3	81021
5	1 or 4	81718
6	Community Health Workers/	4516
7	Home Health Aides/	588
8	((community or village or frontline or front-line or home or lay or voluntary or volunteer* or untrained or unlicensed or nonprofessional* or non-professional* or paraprofessional*) adj3 (worker\$ or provider\$ or visitor\$ or attendant\$ or aide\$ or support or volunteer\$ or person\$ or helper\$ or assistant\$ or staff or personnel or midwife or midwives)).mp.	212747
9	barefoot doctor\$.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	140
10	(linkworker\$ or link worker\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	63
11	lay volunteer\$.mp.	105
12	(trained adj3 (volunteer? or health worker? or mother?)).mp.	1490
13	((birth or childbirth or labor or labour) adj (attendant? or assistant?)).mp.	1939
14	or/6-13	214676
15	exp Malaria/ or malaria.mp.	81614
16	exp Diarrhea/ or diarrh*.mp.	107304
17	exp Pneumonia/ or exp Respiratory Tract Infections/ or pneumonia.mp. or acute respiratory.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	404147
18	exp Malnutrition/ or malnutrition.mp.	137800
19	exp Tuberculosis/ or tuberculosis.mp.	229604
20	exp HIV/ or HIV.mp.	311678
21	or/15-20	1144474
22	randomized controlled trial.pt.	495511
23	pragmatic clinical trial.pt.	725
24	controlled clinical trial.pt.	99192
25	multicenter study.pt.	248039
26	Non-Randomized Controlled Trials as Topic/	244

27	Interrupted Time Series Analysis/	354
28	Controlled Before-After Studies/	297
29	(randomis* or randomiz* or randomly).mp. or random allocat*.ab. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	894499
30	placebo.ab.	186367
31	trial.ab.	401877
32	((multicenter or multi center or multicentre or multi centre) adj study).ab.	19646
33	groups.ab.	1618524
34	(intervention? or effect? or impact? or controlled or control group? or (before adj5 after) or (pre adj5 post) or ((pretest or pre test) and (posttest or post test)) or quasiexperiment* or quasi experiment* or pseudo experiment* or pseudoexperiment* or evaluat* or time series or time point? or repeated measur*).ab.	6722985
35	or/22-34	7776777
36	exp animals/ not humans.sh.	4672534
37	35 not 36	6033695
38	5 and 14 and 21 and 37	449
39	Limit 38 to yr="1979 -Current"	447

Embase Ovid (1974 to 20 October 2017) (searched 23 October 2017)

#	Searches	Results
1	((active or proactive) adj (community or case) adj (diagnosis or detection or finding or management or treatment)).mp.	1067
2	((home* or house* or door* or community or deinstitutional* or active* or proactive*) adj (visit* or healthcare or health care or care or search* or detecti* or finding or screen* or seek* or diagnos* or testing\$ or management or treatment or service\$ or intervention\$)).mp.	161123
3	care home\$.mp.	3792
4	2 not 3	159889
5	1 or 4	160835
6	Health auxiliary/	5018
7	Voluntary worker/	5570
8	((community or village or frontline or front-line or home or lay or voluntary or volunteer* or untrained or unlicensed or nonprofessional* or non-professional* or paraprofessional*) adj3 (worker\$ or provider\$ or visitor\$ or attendant\$ or aide\$ or support or volunteer\$ or person\$ or helper\$ or assistant\$ or staff or personnel or midwife or midwives)).mp.	280277
9	barefoot doctor\$.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	153
10	(linkworker\$ or link worker\$).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	87
11	lay volunteer\$.mp.	143
12	(trained adj3 (volunteer? or health worker? or mother?)).mp.	2028
13	((birth or childbirth or labor or labour) adj (attendant? or assistant?)).mp.	2218
14	or/6-13	284636

15	exp Malaria/ or malaria.mp.	112540
16	exp Diarrhea/ or diarrh*.mp.	270878
17	exp Pneumonia/ or exp Respiratory Tract Infection/ or pneumonia.mp. or acute respiratory.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	632028
18	exp Malnutrition/ or malnutrition.mp.	176193
19	exp Tuberculosis/ or tuberculosis.mp.	297808
20	exp HIV/ or HIV.mp.	377614
21	or/15-20	1652915
22	exp "clinical trial (topic)"/	256277
23	exp controlled clinical trial/	649610
24	(randomis* or randomiz* or randomly).mp. or random allocat*.ab. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	1235484
25	placebo.ab.	258491
26	trial.ab.	591119
27	((multicenter or multi center or multicentre or multi centre) adj study).ab.	32672
28	groups.ab.	2451006
29	(intervention? or effect? or impact? or controlled or control group? or (before adj5 after) or (pre adj5 post) or ((pretest or pre test) and (posttest or post test)) or quasiexperiment* or quasi experiment* or pseudo experiment* or pseudoexperiment* or evaluat* or time series or time point? or repeated measur*).ab.	9731603
30	22 or 23 or 24 or 25 or 26 or 27 or 28 or 29	11226687
31	exp animal/ not humans.sh.	24369421
32	30 not 31	2114432
33	5 and 14 and 21 and 32	37
34	limit 33 to yr="1979 -Current"	36

Global Health (1910 to 2017 Week 41) (searched 23 October 2017)

#	Searches	Results
1	((active or proactive) adj (community or case) adj (diagnosis or detection or finding or management or treatment)).mp.	598
2	((home* or house* or door* or community or deinstitutional* or active* or proactive*) adj (visit* or healthcare or health care or care or search* or detecti* or finding or screen* or seek* or diagnos* or testing\$ or management or treatment or service\$ or intervention\$)).mp.	13389
3	care home\$.mp.	416
4	2 not 3	13319
5	1 or 4	13872
6	Community Health Workers/	201
7	Home Health Aides/	7
8	((community or village or frontline or front-line or home or lay or voluntary or volunteer* or untrained or unlicensed or nonprofessional* or non-professional* or paraprofessional*) adj3 (worker\$ or provider\$ or visitor\$ or attendant\$ or aide\$ or support or volunteer\$ or person\$ or helper\$ or assistant\$ or staff or personnel or midwife or midwives)).mp.	39127

9	barefoot doctor\$.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes]	69
10	(linkworker\$ or link worker\$.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes]	22
11	lay volunteer\$.mp.	28
12	(trained adj3 (volunteer? or health worker? or mother?)).mp.	708
13	((birth or childbirth or labor or labour) adj (attendant? or assistant?)).mp.	1190
14	or/6-13	40350
15	exp Malaria/ or malaria.mp.	97623
16	exp Diarrhoea/ or diarrh*.mp.	54930
17	exp Respiratory diseases/ or pneumonia.mp. or acute respiratory.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes]	138280
18	exp Malnutrition/ or malnutrition.mp.	36062
19	exp Tuberculosis/ or tuberculosis.mp.	78412
20	exp human immunodeficiency viruses/ or HIV.mp.	169098
21	or/15-20	520704
22	exp clinical trials/	44136
23	(randomis* or randomiz* or randomly).mp. or random allocat*.ab. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes]	141536
24	placebo.ab.	30927
25	trial.ab.	72388
26	((multicenter or multi center or multicentre or multi centre) adj study).ab.	2792
27	groups.ab.	386501
28	(intervention? or effect? or impact? or controlled or control group? or (before adj5 after) or (pre adj5 post) or ((pretest or pre test) and (posttest or post test)) or quasiexperiment* or quasi experiment* or pseudo experiment* or pseudoexperiment* or evaluat* or time series or time point? or repeated measur*).ab.	1301202
29	exp animal/ not humans.sh.	2829142
30	22 or 23 or 24 or 25 or 26 or 27 or 28	1515356
31	30 not 29	282661
32	5 and 14 and 21 and 31	5

Cochrane Central Register of Controlled Trials (CENTRAL) (searched 9 November 2017)

#	Searches	Results
1	((active or proactive) next (community or case) next (diagnosis or detection or finding or management or treatment)):ab	39
2	((home* or house* or door* or community or deinstitutional* or active* or proactive*) next (visit* or healthcare or health care or care or search* or detecti* or finding or screen* or seek* or diagnos* or testing\$ or management or treatment or service\$ or intervention\$)):ab	10586
3	care home\$:ab	10259
4	#2 not #3	8067
5	#1 or #4	8101
6	MeSH descriptor: [Community Health Workers] this term only	365
7	MeSH descriptor: [Home Health Aides] this term only	21
8	((community or village or frontline or front-line or home or lay or voluntary or volunteer* or untrained or unlicensed or nonprofessional* or non-professional* or	4696

	paraprofessional*) near/3 (worker\$ or provider\$ or visitor\$ or attendant\$ or aide\$ or support or volunteer\$ or person\$ or helper\$ or assistant\$ or staff or personnel or midwife or midwives)):ab	
9	barefoot next doctor\$:ab	0
10	(linkworker\$ or link next worker\$):ab	7
11	lay next volunteer\$:ab	9
12	(trained near/3 (volunteer? or health worker? or mother?)):ab	310
13	((birth or childbirth or labor or labour) next (attendant? or assistant?)):ab	89
14	#6 or #7 or #8 or #9 or #10 or #11 or #12 or #13	5290
15	MeSH descriptor: [Malaria] explode all trees	2424
16	malaria:ab	3517
17	#15 or #16	3947
18	MeSH descriptor: [Diarrhea] explode all trees	2888
19	diarrh*:ab	10827
20	#18 or #19	11718
21	MeSH descriptor: [Respiratory Tract Infections] explode all trees	11592
22	acute respiratory:ab	5560
23	MeSH descriptor: [Pneumonia] explode all trees	2986
24	pneumonia:ab	5630
25	#21 or #22 or #23 or #24	19598
26	MeSH descriptor: [Malnutrition] explode all trees	2657
27	malnutrition:ab	1626
28	#26 or #27	3901
29	MeSH descriptor: [Tuberculosis] explode all trees	2043
30	tuberculosis:ab	2793
31	#29 or #30	3723
32	MeSH descriptor: [HIV] explode all trees	3009
33	HIV:ab	12720
34	#32 or #33	13197
35	#17 or #20 or #25 or #28 or #31 or #34	51874
36	#5 and #14 and #35	18

WHO Library (WHOLIS) (searched 30 November 2017)

#	Searches	Results
1	<p>(tw:(((home visit OR house visit OR doorstep care OR doorstep search OR door-to-door OR active case detection OR active case finding OR proactive case detection OR proactive case finding OR proactive search* OR active search*))))</p> <p>AND (tw:(((community OR village OR frontline OR front-line OR home OR lay OR voluntary OR volunteer* OR untrained OR unlicensed OR nonprofessional* OR non-professional* OR paraprofessional* OR barefoot OR link)</p> <p>AND (worker* OR doctor* OR provider* OR visitor* OR attendant* OR aide* OR support OR volunteer* OR person* OR helper* OR assistant* OR staff OR personnel OR midwife OR midwives OR linkworker*))))</p> <p>AND (tw:(malaria OR diarrh* OR pneumonia OR acute respiratory OR malnutrition OR tuberculosis OR hiv OR human immunodeficiency virus*))</p> <p>AND (tw:(randomis* OR randomiz* OR randomly OR random allocat* OR trial* OR placebo OR multicenter OR multicentre OR multi center OR multi centre OR groups OR intervention* OR effect* OR impact* OR controlled OR control group* OR before-after OR pre-post OR pretest OR pre test OR posttest OR post test OR quasiexperiment* OR quasi experiment* OR pseudo experiment* OR pseudoexperiment* OR evaluat* OR time series OR time point* OR repeated measur*)))</p>	3