

Embase search strategy

The following search strategy was utilised for the Embase database search. Additional database searches were based on this strategy. Each numbered lined represents a different combination of key words searched. The right hand column displays the number of articles identified for each of the search combinations.

1	indoor air pollution/	10438
2	household/ and (wood/ or coal/ or charcoal/ or peat/ or fossil fuel/)	193
3	((indoor? or domestic or household? or house hold? or residential) adj5 pollut*).ti,ab.	3419
4	((indoor? or domestic or household? or house hold? or residential) and pollut*).ti.	1164
5	((indoor? or domestic or household? or house hold? or residential) adj5 emission?).ti,ab.	804
6	((indoor? or domestic or household? or house hold? or residential) and emission?).ti.	328
7	((indoor? or domestic or household? or house hold? or residential) adj3 air) and pollut*).ti,ab.	2715
8	((indoor? or domestic or household? or house hold? or residential) adj3 air) and quality).ti,ab.	2084
9	((indoor? or domestic or household? or house hold? or residential) adj3 air) and emission?).ti,ab.	777
10	((indoor? or domestic or household? or house hold? or residential) and air).ti.	2777
11	((indoor? or domestic or household? or house hold? or residential) adj3 atmospher*) and pollut*).ti,ab.	71
12	((indoor? or domestic or household? or house hold? or residential) adj3 atmospher*) and quality).ti,ab.	17
13	((indoor? or domestic or household? or house hold? or residential) adj3 atmospher*) and emission?).ti,ab.	16
14	((indoor? or domestic or household? or house hold? or residential) and atmospher*).ti.	94
15	((indoor? or domestic or household? or house hold? or residential) and (burning or fire? or cook*) and (smok* or pollut* or emission? or fume?)).ti,ab.	1860

16	((indoor? or domestic or household? or house hold? or residential) and (wood* or coal or dung or biomass or charcoal or solid fuel?) and (smok* or pollut* or emission? or fume?)).ti,ab.	1921
17	((indoor? or domestic or household? or house hold? or residential) and (wood* or coal or dung or biomass or charcoal or solid fuel?) and (burning or fire? or cook*)).ti,ab.	1256
18	((indoor? or domestic or household? or house hold? or residential) and open fire*).ti,ab.	86
19	((indoor? or domestic or household? or house hold? or residential) and ((toxic or dirty) adj2 (fuel? or pollut* or air or emission? or fume?))).ti,ab.	94
20	((environment* adj2 exposure?) and (indoor? or domestic or household? or house hold? or residential) and (wood * or coal or dung or biomass or charcoal)).ti,ab.	61
21	((environment* adj2 exposure?) and (indoor? or domestic or household? or house hold? or residential) and (burning or fire? or cook*)).ti,ab.	92
22	((indoor? or domestic or household? or house hold? or residential) and (particulate? or pm or pm1* or pm2* or ultrafine particle* or ultra-fine particle* or fine particle* or coarse particle*)).ti,ab.	3897
23	((indoor? or domestic or household? or house hold? or residential) and (sulphur oxide? or carbon monoxide? or (nitrogen adj2 (oxide? or dioxide)) or polycyclic hydrocarbon? or volatile organic compound? or co or so2 or nox or voc or vocs)).ti,ab.	6248
24	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 or 21 or 22 or 23	21558
25	household/ and (biofuel/ or kerosene/ or liquified natural gas/ or liquified petroleum gas/)	88
26	Cooking/	9994
27	cook*.ti,ab.	23029
28	stove?.ti,ab.	2103
29	oven?.ti,ab.	5113
30	(kerosene or lpg or liquid petroleum gas or biogas or biofuel* or ethanol or electricity or solar or thermal or briquette? or pellet?).ti,ab.	284322
31	((low smoke or smokeless or clean* or green* or environment*) adj5 (fuel* or energy or heating or fire?)).ti,ab.	5721

32	fire/	9370
33	air conditioning/ or room ventilation/	16774
34	(ventilat* or filtrat*).ti,ab.	270748
35	((air or smoke) adj2 (vent? or filter?)).ti,ab.	1281
36	((air or smoke) adj2 extract*).ti,ab.	1411
37	(chimney? or flue? or hood?).ti,ab.	7399
38	window?.ti,ab.	60585
39	((kitchen? or domestic or household? or house hold? or residential) adj5 design*).ti,ab.	1055
40	((behavior? or behaviour?) adj5 (chang* or modif*)).ti,ab.	47011
41	25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40	712047
42	24 and 41	5373
43	limit 42 to "reviews (maximizes specificity)"	31
44	randomized controlled trial/	342018
45	controlled clinical trial/	384017
46	single blind procedure/ or double blind procedure/	131946
47	crossover procedure/	38491
48	random*.tw.	872452
49	placebo*.tw.	199953

50	((singl* or doubl*) adj (blind* or mask*)).tw.	161062
51	(crossover or cross over or factorial* or latin square).tw.	94552
52	(assign* or allocat* or volunteer*).tw.	489527
53	44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52	1508671
54	42 and 53	391
55	(animal\$ not human\$.sh,hw.	3726706
56	(rat or rats or cow or cows or chicken? or horse or horses or mice or mouse or bovine or animal?).ti.	1499050
57	55 or 56	4089617
58	54 not 57	380
59	intervention?.ti,ab.	656883
60	(pre-intervention? or preintervention? or "pre intervention?" or post-intervention? or postintervention? or "post intervention?").ti,ab.	13417
61	demonstration project?.ti,ab.	2300
62	(pre-post or "pre test\$" or pretest\$ or posttest\$ or "post test\$" or (pre adj5 post)).ti,ab.	96092
63	(pre-workshop or post-workshop or (before adj3 workshop) or (after adj3 workshop)).ti,ab.	859
64	trial.ti. or ((study adj3 aim?) or "our study").ab.	862216
65	(before adj10 (after or during)).ti,ab.	444222
66	(time points adj3 (over or multiple or three or four or five or six or seven or eight or nine or ten or eleven or twelve or month\$ or hour? or day? or "more than")).ab.	12212

67	pilot.ti.	50108
68	(multicentre or multicenter or multi-centre or multi-center).ti.	39643
69	random\$.ti,ab. or controlled.ti.	926034
70	*experimental design/ or *pilot study/ or quasi experimental study/	7823
71	("quasi-experiment\$" or quasiexperiment\$ or "quasi random\$" or quasirandom\$ or "quasi control\$" or quasicontrol\$ or ((quasi\$ or experimental) adj3 (method\$ or study or trial or design\$))).ti,ab.	116907
72	("time series" adj2 interrupt\$).ti,ab.	1141
73	59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72	2678338
74	42 and 73	928
75	(animal\$ not human\$).sh,hw.	3726706
76	(rat or rats or cow or cows or chicken? or horse or horses or mice or mouse or bovine or animal?).ti.	1499050
77	75 or 76	4089617
78	74 not (77 or 58)	607

