

Table S1 Search term combination through Boolean operators

Population		Exposure		Intervention		Outcomes
“Asthma” or “wheez*”	AND	“bushfire” or “wildfire” or “wildland fire” or “landscape fire” or “open fire” or “forest fire” or “coal mine fire” or “peat fire” or “crop burn*” or “stubble burn*” or “habitat fire” or “agricultur* fire” or “grass fire” or “savanna* fire” or “prescribed burn*” or “prescribed fire” or “vegetation fire” or “hazard reduction burn*” or “planned burn*” or “fuel reduction burn*” or “controlled burn*” or “cool burn*”	AND	“mitigat*” or “minimi*” or “reduc*” or “interven*” or “avoid*” or “lower*” or “reduction behavior” or “behavioral change” or “personal protect*” or “Staying indoors” or “indoor*” or “exercise” or “physical activity*” or “masks” or “facemask*” or “respirator*” or “monitor* or “smartphone* or “phone* or “app” or “air purifier” or “air filter” or “portable” or “nasal filter” or “air cleaner” or “ventilation” or “air conditioner*” or “forecast” or “air quality index” or “diet*” or “vitamin*” or “Antioxidant*” or “supplement*” or “aspirin” or “statin*”	AND	symptom*” or “quality of Life” or “asthma control”, or “exacerbation” or “lung function” or “medication” or “hospital*” or “admission*”, “emergenc*”, “physicia*” or “doctor”, “dispensation”, or “visit*” or “attendance*” or “asthma-related outcomes”

Table S2 OVID Medline search strategy

#	Searches	Results
1	Asthma/ or Asthma.mp.	191661
2	wheez*.mp.	15194
3	bushfire.mp.	266
4	wildfire.mp. or Wildfires/	2494
5	wildland fire.mp. or Wildfires/	1085
6	landscape fire.mp.	49
7	open fire.mp.	156
8	forest fire.mp. or Wildfires/	1465
9	coal mine fire.mp.	39
10	peat fire.mp.	31
11	crop burn*.mp.	24
12	stubble burn.mp. or Wildfires/	938
13	habitat fire.mp.	4
14	agricultur* fire.mp.	13
15	grass fire.mp.	15
16	savanna* fire.mp.	27
17	prescribed burn*.mp.	356
18	prescribed fire.mp.	290
19	vegetation fire.mp.	50
20	hazard reduction burn*.mp.	5
21	planned burn.mp.	8
22	fuel reduction burn*.mp.	8
23	controlled burn*.mp.	107
24	cool burn*.mp.	5
25	mitigat*.mp.	127977
26	minimi*.mp.	235519
27	reduc*.mp.	4071848
28	interven*.mp.	1318322
29	avoid*.mp.	460695
30	lower*.mp.	2319407
31	reduction behavior.mp.	15059
32	behavioral change.mp.	4305
33	Staying indoors.mp.	40

34	indoor*.mp.	42530
35	Exercise/ or exercise.mp.	406296
36	physical activity*.mp.	136933
37	Masks/ or masks.mp.	23357
38	facemask*.mp.	2000
39	respirator*.mp. or N95 Respirators/	670633
40	monitor*.mp.	1121827
41	Smartphone/ or Mobile Applications/ or smartphone*.mp. or Cell Phone/	35135
42	phone*.mp.	63548
43	app.mp.	35425
44	air purifier.mp. or Air Filters/	656
45	air filter.mp. or Air Filters/	992
46	portable.mp.	36806
47	nasal filter.mp.	21
48	air cleaner.mp.	154
49	ventilation.mp. or Ventilation/	159522
50	air conditioner*.mp. or Air Conditioning/	3234
51	forecast.mp. or Forecasting/	100100
52	air quality index.mp.	652
53	Diet/ or diet*.mp.	847724
54	vitamin*.mp.	295675
55	Antioxidants/ or Antioxidant*.mp.	287034
56	Dietary Supplements/ or supplement*.mp.	407359
57	aspirin.mp. or Aspirin/	72031
58	statin*.mp.	49907
59	symptom*.mp.	1357888
60	quality of Life.mp. or "Quality of Life"/	418624
61	asthma control.mp.	7578
62	exacerbation.mp.	42714
63	lung function.mp.	38975
64	medication.mp.	286961
65	Hospitalization/ or hospital*.mp.	384049
66	hospital.mp. or Hospitals/	1468633
67	admission*.mp.	279646
68	emergenc*.mp.	529135

69	Physicians/ or physicia*.mp.	626158
70	doctor.mp.	58354
71	dispensation.mp.	1155
72	Emergency Service, Hospital/ or visit*.mp. or Office Visits/	353667
73	attendance*.mp.	32712
74	asthma-related outcomes.mp.	174
75	1 or 2	197314
76	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 or 24	4073
77	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 or 41 or 42 or 43 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	9741843
78	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 or 73 or 74	4382933
79	75 and 76 and 77 and 78	82