

### Supplementary file 1: Search strategy for MEDLINE database

Database(s): **Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R)** 1946 to

Present

Search Strategy:

#	Searches	Results
1	exp Heart Failure/	113505
2	((heart or cardiac or myocardial or ventricular) adj5 failure).ti,ab.	165648
3	"congestive heart failure".ti,ab.	37916
4	((right-sided or left-sided or diastolic or systolic) adj5 failure).ti,ab.	6991
5	exp Myocardial Ischemia/	432299
6	(myocard* adj5 isch*mi*).ti,ab.	50649
7	exp Heart Diseases/	1109082
8	((((heart or coronary) adj5 disease) or CHD or CAD).ti,ab.	258469
9	("ischemic heart disease" or "ischaemic heart disease" or IHD).ti,ab.	33856
10	"acute coronary syndrome".ti,ab.	16465
11	((myocard* or heart) adj5 infarct*).ti,ab.	187996
12	(atherosclerosis or arteriosclerosis).ti,ab.	119767
13	("percutaneous coronary intervention*" or PCI).ti,ab.	31306
14	angioplasty.ti,ab.	42533
15	exp Myocardial Infarction/	175310
16	stent*.ti,ab.	85371
17	exp Angina Pectoris/	46071
18	angina.ti,ab.	52590
19	"angina pectoris".ti,ab.	19708
20	"stable angina".ti,ab.	7629
21	revasculari*.ti,ab.	53414
22	exp Coronary Artery Bypass/	52957
23	exp Myocardial Revascularization/	92398
24	("coronary artery bypass graft" or "coronary artery bypass surgery" or CABG).ti,ab.	26816
25	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 or 24	1456929
26	exp Rehabilitation/	193650
27	rehabilitat*.ti,ab.	140077

28 exp Sports/	170759
29 sport.ti,ab.	22280
30 exertion.ti,ab.	14324
31 exp Exercise/	168685
32 exercise.ti,ab.	232301
33 ((lifestyle or life-style or risk factor) adj3 (intervent* or program* or modification or change* or treatment* or therap*)).ti,ab.	25424
34 ((physical or exercise or fitness) adj5 (training or therap* or intervent* or program* or treatment* or prescription)).ti,ab.	96583
35 (aerobic adj3 (training or exercise or activit*)).ti,ab.	13005
36 exp "Physical and Rehabilitation Medicine"/	23492
37 "cardiac rehabilitation".ti,ab.	5131
38 "heart rehabilitation".ti,ab.	24
39 "cardio* rehabilitation".ti,ab.	431
40 telerehabilitation.ti,ab.	433
41 telemedicine.ti,ab.	8069
42 telecare.ti,ab.	580
43 (prescribed adj2 (exercise or activity)).ti,ab.	649
44 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	719391
45 exp Motor Activity/	270112
46 "physical activity".mp.	90007
47 "physical inactivity".mp.	6506
48 "activity level".mp.	10982
49 ((habitual or leisure or daily) adj3 activity).mp.	15283
50 ((lifestyle or life-style) adj2 (activ* or behaviour* or behavior*)).mp.	6433
51 exp "Activities of Daily Living"/	66589
52 "activit* of daily living".mp.	74413
53 (habitual adj3 exercise).mp.	533
54 (exercise adj2 (habit* or participation)).mp.	2571
55 (adherence adj2 exercise).mp.	1045
56 (sedentary adj2 (behaviour or behavior or time)).mp.	4821
57 "energy expenditure".mp.	23370

58 "risk factor".mp.	175935
59 acceleromet*.mp.	12894
60 pedomet*.mp.	2434
61 IPAQ.mp.	774
62 (step adj2 count*).mp.	1283
63 walk*.mp.	108945
64 ((direct or indirect) adj2 kalori*).mp.	7768
65 (MVPA or "moderate-vigorous physical activity" or "moderate to vigorous physical activity").mp.	4455
66 ("doubly labelled water" or "doubly labeled water").mp.	1436
67 "activity monitor".mp.	1265
68 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 or 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67	657045
69 exp Randomized Controlled Trial/	508365
70 ("randomised controlled trial" or "randomized controlled trial").mp.	530710
71 "controlled clinical trial".mp.	110323
72 "clinical trial".mp.	710202
73 "controlled trial".mp.	540481
74 69 or 70 or 71 or 72 or 73	961974
75 25 and 44 and 68 and 74	3707
76 limit 75 to (("young adult (19 to 24 years)" or "adult (19 to 44 years)" or "young adult and adult (19-24 and 19-44)" or "middle age (45 to 64 years)" or "middle aged (45 plus years)" or "all aged (65 and over)" or "aged (80 and over)") and humans)	3230