

## APPENDIX 1

### MEDLINE search strategy terms used:

1	obesity.mp. or exp Obesity/ or exp Obesity, Abdominal/	197.941
2	Physical Activity.mp. or exp Motor Activity/	231.947
3	sedentar\$.mp. (time adj5 sitting).mp. [mp=title, abstract, original title, name of substance	19.058
4	word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	688
<b>5</b>	<b>1 or 2 or 3 or 4</b>	<b>414.967</b>
6	exp Postoperative Complications/ or exp Hip Prosthesis/ or exp Arthroplasty, Replacement, Hip/ or hip arthroplasty.mp. or exp Osteoarthritis, Hip/ or exp Hip Joint/	469.282
7	knee arthroplasty.mp. or exp Arthroplasty, Replacement, Knee/	17.365
8	exp Elective Surgical Procedures/ or elective surgery.mp.	14.058
9	osteoarthritis.mp. or exp Osteoarthritis, Hip/ or exp Osteoarthritis/ or exp Osteoarthritis, Knee/	55.493
10	exp Osteonecrosis/ or Osteonecrosis.mp.	13.961
11	arthroplasty.mp. or exp Arthroplasty, Replacement, Knee/ or exp Arthroplasty, Replacement/ or exp Arthroplasty/ or exp Arthroplasty, Replacement, Hip/	53.979
<b>12</b>	<b>6 or 7 or 8 or 9 or 10 or 11</b>	<b>546.616</b>
13	exp Cohort Studies/ or cohort.mp.	1.526.984
14	incidence.mp. or exp Incidence/	587.274
15	exp Follow-Up Studies/ or follow-up.mp.	912.064
16	prognosis.mp. or exp Prognosis/	1.273.869
17	exp Prognosis/ or predictors.mp.	1.258.014
18	exp Time Factors/ or course.mp.	1.403.404
19	exp Survival Analysis/ or exp Survival/ or exp Survival Rate/ or survival.mp.	843.771
20	logistic.mp.	198.801
21	cox.mp.	84.820
22	life table.mp. or exp Life Tables/	18.098
23	log rank.mp. or exp Follow-Up Studies/	533.280
<b>24</b>	<b>13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23</b>	<b>4.460.132</b>
25	Animals/	5.495.334
26	exp Editorial/ or editorial.mp.	376.114
27	case report.mp. or exp Case Reports/	1.754.352
28	letter.mp. or exp Letter/	895.420
29	25 or 26 or 27 or 28	8.184.015
<b>30</b>	<b>5 and 12 and 24</b>	<b>7.601</b>
<b>31</b>	<b>30 not 29</b>	<b>6.869</b>