

Supplementary file 1: Search strategy (MEDLINE)

Database: Ovid MEDLINE(R) ALL <1946 to October 12, 2018>

- 1 exp Cardiovascular Diseases/
- 2 exp Neoplasms/
- 3 exp Lung Diseases, Obstructive/
- 4 exp Diabetes Mellitus/
- 5 (heart or cardio* or chronic respirat* or coronary or pulmonary or lung or vascular).tw,kw.
- 6 (angina* or myocardial infarc* or ischaemia* or carditis* or atherosclero*).tw,kw.
- 7 (cerebrovascular adj2 (accident* or apoplexy)).tw,kw.
- 8 (diabet* or aneurysm* or cancer* or neoplasm* or asthma* or COPD or stroke).tw,kw.
- 9 or/1-8
- 10 Cardiac Rehabilitation/
- 11 exp Exercise/
- 12 exp Exercise Movement Techniques/
- 13 exp Exercise Therapy/
- 14 (physical* adj2 activ*).tw,kw.
- 15 (exercis* or gym* or walk*).tw,kw.
- 16 or/10-15
- 17 rehab*.tw,kw.
- 18 exp Nutrition Therapy/
- 19 Patient Education as Topic/
- 20 exp Behavior Therapy/
- 21 ((behavior* or behaviour*) adj3 (modif* or chang* or therap*)).tw,kw.
- 22 ((patient* or health* or session*) adj2 educat*).tw,kw.
- 23 ((physical* or physio* or occupational* or diet* or nutrition*) adj2 therap*).tw,kw.
- 24 (physiotherap* or kinesiology).tw,kw.
- 25 ((diet* or motivat* or health* or educ* or behav*) adj3 counsel*).tw,kw.
- 26 or/17-25
- 27 16 and 26
- 28 9 and 27
- 29 african continental ancestry group/
- 30 american native continental ancestry group/

- 31 oceanic ancestry group/
- 32 (Aborigin* or Afghan* or Armenia* or Bangladesh* or Basutoland or Basuto* or Benin* or Bhutan* or Bolivia* or "Burkina Faso" or Burma or Burmes* or Burundi* or Cabo Verde* or Cambodia* or Cameroon* or Cape Verde* or "Central African Republic" or Central America* or Ceylon or Chad* or Comoro Islands or Comoros or Comorian* or Congo* or "Cote d'Ivoire" or Djibouti* or Egypt* or El Salvador* or Eritrea* or Ethiopia* or "French Somaliland" or Gambia* or Gaza* or Georgia* or Ghana* or "Gold Coast" or Guatemala* or Guinea* or Guinea-Bissau* or Haiti* or Honduras or Honduran* or "Ifni" or India* or indigenous or Indonesia* or Ivory Coast or Kenya* or Kirghizia* or Kirghiz or Kyrgyz or Kirgizstan* or Kiribati or "Democratic People's Republic of Korea" or North Korea* or Kosovo or Kyrgyzstan or "Kyrgyz Republic" or "Lao PDR" or Laos or Laotian* or Latin America* or Lesotho or Mosotho* or Liberia* or Madagascar or Malagasy or Malawi* or Mali* or Mauritania* or Mayotte or Melanesia* or Micronesia* or Moldova or Moldavia* or Morocco or Moroccan* or Mozambique or Mozambican* or Myanmar* or Nepal* or New Caledonia* or Nicaragua* or Niger* or Nigeria* or Nyasaland or Pakistan* or Papua New Guinea or Philippines or Filipinas or Filipino* or Philippines or Phillipines or Phillippines or "Ruanda-Urundi" or Rwanda* or Samoa* or Sao Tome* or "Samoan Islands" or Senegal* or "Sierra Leone" or Sri Lanka* or "Solomon Islands" or Somalia* or Sudan* or Swaziland or Swazi* or Syria* or Tadjikistan* or Tadjik* or Tadjikistan* or Tajikistan* or Tanzania* or Timor-Leste or Togo* or "Togolese Republic" or Uganda* or Ukrain* or "Upper Volta" or Urundi or Uzbek* or Uzbekistan or Vanuatu or Ni-Vanuatu or "Viet Nam" or Vietnam* or "West Bank" or Yemen* or Zaire or Zambia* or Zimbabwe*).af.
- 33 or/29-32
- 34 Developing Countries/
- 35 Medically Underserved Area/
- 36 ((countr* or nation* or population*) adj3 (poor* or develop* or less-develop* or less develop* or least-develop* or least develop* or third world or under-develop* or under develop*).tw,kw.
- 37 (income* adj3 (low* or middle*).tw,kw.
- 38 (underserved or deprived or third world*).tw,kw.
- 39 (resource* adj3 (low* or constrain* or poor* or limit* or minimal* or lack* or scarc*).tw,kw.
- 40 or/34-39
- 41 33 or 40
- 42 28 and 41
- 43 animals/ not (animals/ and humans/) (4469363)
- 44 42 not 43
- 45 exp clinical study/

46 comparative study/
47 meta-analysis/
48 random*.af.
49 ((clinical or control*) adj3 trial*).af.
50 placebo.af.
51 (cohort* or case-control* or case control* or compar* or multivariat*).af.
52 or/45-51
53 44 and 52