

1 **Table S2. Search strategy used for MEDLINE database (search interface: Ovid; Host: Wolters Kluwer)**

2 MEDLINE 1946 to the third week of April, 2018,

3 MEDLINE Daily Update April 26, 2018,

4 MEDLINE In-Process & Other Non-Indexed Citations April 26, 2018,

5 MEDLINE Epub Ahead of Print April 26, 2018

6 Search date (yyyy-mm-dd): 2018-04-27

#	Searches	Results	Annotations
1	exp aged/	2800655	#1 to #8: Aspect Aged
2	Geriatrics/	28648	
3	(old*3 adj2 (adult*2 or people or person* or patient* or age*2 or man or men or wom#n or client* or residen*)).ti,ab,kf.	551680	
4	(elder* or geriat* or geronto* or frail* or senior? or agedly).ti,ab,kf.	314577	
5	(high*3 age*2 or late* life* or late* live*).ti,ab,kf.	21918	
6	((liv* or life*) adj2 long*3 adj2 (adult* or people or person* or patient* or man or men or wom?n or client* or residen*)).ti,ab,kf.	2540	
7	advanced in years.ti,ab,kf. or betagt*.ot.	162	
8	or/1-7	3248520	
9	comorbidity/	92917	#9 to #21: Aspect Multi-morbidity
10	Multiple Chronic Conditions/	178	
11	exp chronic disease/ and (multi or multiple or concurren* or complex*).ti,ab,kf.	20443	

12	(comorbid* or co-morbid*).ti,ab,kf,ot. or (komorbid* or ko-morbid*).ot.	140228	
13	(multimorbid* or multi*-morbid*).ti,ab,kf,ot.	4057	
14	(polymorbid* or poly morbid*).ti,ab,kf,ot.	292	
15	multidisease*.ti,ab,kf.	39	
16	((multi or multiple) adj2 (ill or illness* or condition* or disorder* or syndrom* or disease*)).ti,ab,kf.	30204	
17	(complex* adj2 (patient* or disease* or ill or illness* or condition* or disorder*)).ti,ab,kf.	42426	
18	(concurrent* adj2 (disease* or ill or illness* or condition* or disorder*)).ti,ab,kf.	4305	
19	(multimedica* or multi*-medica* or polymedica* or poly-medica* or polypharmac* or poly-pharmac*).ti,ab,kf.	8133	
20	Polypharmacy/	3790	
21	or/9-20	297020	
22	8 and 21	110795	Aged AND Multi-morbidity
23	exp patient centered care/	16400	#23 to #49: Aspect patient-centered care
24	exp patient satisfaction/	78556	
25	decision making/	83248	
26	choice behaviour/	28960	
27	Health Priorities/	10119	
28	((patient? or client? or person*2) adj2 prefer*).ti,ab,kf.	18606	

29	((patient? or client? or person*2) adj2 priorit*).ti,ab,kf.	2490	
30	(treatment adj2 (goal? or preference? or priorit*)).ti,ab,kf.	11750	
31	goal attainment.ti,ab,kf.	1550	
32	(goal oriented* or goaloriented*).ti,ab,kf.	1425	
33	goals/	14804	
34	(patient cent* adj2 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	9128	
35	(person cent* adj2 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	2349	
36	(client cent* adj2 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	556	
37	(patient oriented adj2 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	375	
38	(person oriented adj2 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	114	
39	(client oriented adj2 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	19	
40	(patient cent?redness or client cent?redness or person cent?redness).ti,ab,kf.	1408	
41	(patientcent* or clientcent* or personcent*).ti,ab,kf.	24	
42	(patientoriented* or clientoriented* or personoriented*).ti,ab,kf.	4	

43	((patient*orientier* or klient*orientier* or patient*zentrier* or klient*zentrier* or person*orientier* or person*zentrier*).ot.	179	
44	((patient* or klient* or person*) adj (zentrier* or orientier*)).ot.	24	
45	((goal* or priorit* or target* or value* or preference*) adj2 (patient* or individual* or person* or client*)).ti,ab,kf.	63093	
46	((goal* or priorit* or target* or preference*) adj2 treatment*).ti,ab,kf.	32182	
47	((patient* or client* or person*) adj2 choice*).ti,ab,kf.	9970	
48	shared decision making.ti,ab,kf.	5495	
49	or/23-48	326625	
50	22 and 49	4208	Aged AND Multi-morbidity AND patient-centered care
51	protocol.ti.	35122	Textword protocol in title
52	21 and 49 and 51	89	Multi-morbidity AND patient-centered care AND protocol in title
53	50 or 52	4259	(Aged AND Multi-morbidity AND patient-centred care) OR

			(Multi-morbidity AND patient-centred care AND protocol in title)
54	exp animals/ not humans/	4450254	Exclusion of animals
55	53 not 54	4258	
56	case reports.pt.	1875801	Exclusion of editorials and case reports
57	(case? adj3 report).ti.	302363	
58	editorial.pt.	456208	
59	editorial.ti.	34313	
60	or/56-59	2443711	
61	55 not 60	4111	
62	remove duplicates from 61	4080	Exclusion of duplicates. Final result

7

8 / = Medical Subject Heading (MeSH)

9 Exp = exploded Mesh term

10 * = truncation, any number of characters

11 *2, *3 = truncation: from 0 to 2, 0 to 3 characters

12 ? = 0 or 1 character

13 # = 1 character

14 .ti,ab,kf. = title, abstract, keyword heading word

15 .ti. = title

16 .ot. = original title

- 17 .mp. = title, abstract, original title, name of substance word, subject heading word, keyword heading
- 18 word, protocol supplementary concept word, rare disease supplementary concept word, unique
- 19 identifier
- 20 .pt. = publication type
- 21 *adjn* = Search terms within *n* words in any order
- 22
- 23
- 24
- 25