

### Appendix 1: Final Search Strategy

The search steps 95 Medline (OVID) indexed search and 81 Medline (OVID) non-indexed search are the final search steps. The example and search terminology were used as a basis for subsequent CINAHL, EMBASE, PsycINFO, Web of Science and PSYINDEX database searches.

#### MEDLINE (via Ovid): Indexed search

Database(s):

Ovid MEDLINE(R) 1946 to October Week 4 2018,

Ovid MEDLINE(R) Daily Update November 02, 2018

#	Searches	Annotations
1.	(patient* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
2.	(client* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
3.	(person* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
4.	(consumer* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
5.	(people* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
6.	(resident* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
7.	exp patient centered care/	
8.	(patient cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
9.	(client cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
10.	(person cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
11.	(consumer cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
12.	(people cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
13.	(resident cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
14.	(patient oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
15.	(client oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
16.	(person oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
17.	(consumer oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
18.	(people oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	

#	Searches	Annotations
19.	(resident oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
20.	(patient cent?redness or client cent?redness or person cent?redness or consumer cent?redness or people cent?redness or resident cent?redness).ti,ab,kf.	
21.	((individualised or personalised or individualized or personalized) adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
22.	(patientcent* or clientcent* or personcent* or consumercent* or peoplecent* or residentcent*).ti,ab,kf.	
23.	(patientoriented or clientoriented or personoriented or consumeroriented or peopleoriented or residentoriented).ti,ab,kf.	
24.	(patient*orientier* or klient*orientier* or konsument*orientier* or bewohner*orientier* or person*orientier* or patient*zentrier* or klient*zentrier* or konsument*zentrier* or bewohner*zentrier* or person*zentrier*).ot.	
25.	((patient* or klient* or konsument* or bewohner* or person*) adj (zentrier* or orientier*)).ot.	
26.	(patient focus* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
27.	(client focus* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
28.	(person focus* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
29.	(consumer focus* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
30.	(people focus* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
31.	(resident focus* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
32.	((patient* or client* or person* or consumer* or people* or resident* or carer* or caregiver* or nurse* or provider* or doctor* or physician* or provisioner* or clinician* or staff) adj3 (belief* or value* or preference* or attitude*)).ti,ab,kf.	
33.	holistic nursing/	
34.	holistic health/	
35.	integrative medicine/	
36.	holism.ti,ab,kf.	
37.	(holistic* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
38.	or/1-37	Patient-centredness
39.	((physical* or psycholog* or emotional*) adj3 (support* or promot* or assist* or aid or sustain*)).ti,ab,kf.	Dimension: Physical and emotional support
40.	((patient* or client* or person* or consumer* or people* or	Dimension: Communication

#	Searches	Annotations
	resident*) adj6 (carer* or caregiver* or nurse* or provider* or between carer and patient doctor* or physician* or provisioner* or clinician*) adj6 (communication or conversation or correspondence)).ti,ab,kf.	
41.	((shared or participat* or parted or split) adj3 decision*).ti,ab,kf.	Dimension: Patient involvement in care
42.	((famil* or friend* or peer group*) and (participat* or information or support)).ti,ab,kf.	Dimension: Participation of family and friends
43.	validation studies.pt.	
44.	psychometrics/	
45.	psychometric*.ti,ab,kf.	
46.	(develop* or construct* or evaluat*).ti,ab,kf.	
47.	exp patient outcome assessment/	
48.	**"surveys and questionnaires"/ or exp health care surveys/ or exp health status indicators/ or patient health questionnaire/ or *self report/	
49.	reliability.ti,ab,kf.	
50.	(validity or validation).ti,ab,kf.	
51.	internal consistency.ti,ab,kf.	
52.	(testretest or (test adj6 retest)).ti,ab,kf.	
53.	kappa*3.ti,ab,kf.	
54.	concordance.ti,ab,kf.	
55.	(factor analys#s or dimensionality or factor structure?).ti,ab,kf.	
56.	(sensitivity or specificity).ti,ab,kf.	
57.	(measurement* or test or rating index or questionnaire* or scale* or subscale* or schedule* or inventory* or assess* or instrument*).ti,ab,kf.	
58.	(addresses or biography or case reports or comment or directory or editorial or festschrift or interview or lectures or legal cases or legislation or letter or news or newspaper article or patient education handout or popular works or congresses or consensus development conference or consensus development conference, nih or practice guideline).pt.	Terwee filter NOT1
59.	exp animals/ not humans/	Terwee filter NOT2
60.	43 or 44 or 45 or 46 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56	
61.	47 or 48 or 57	
62.	60 and 61	Modification of the Terwee filter
63.	exp aged/	
64.	Geriatrics/	
65.	(olde*2 adj2 (adult*2 or people or person* or patient* or age*2 or man or men or wom#n or client* or residen* or	

#	Searches	Annotations
	female? or male? or population*).ti,ab,kf.	
66.	(elder* or geriat* or geronto* or frail* or senior? or agedly or eldest or very old* or oldest old* or old age*).ti,ab,kf.	
67.	(high*3 age*2 or late* life* or late* live*).ti,ab,kf.	
68.	((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* or population*).ti,ab,kf.	
69.	advanced in years.ti,ab,kf. or (betagt* or hochbetagt*).ot.	
70.	(age? adj2 65* adj2 (more than or greater or over)).ti,ab,kf.	
71.	((more than or greater or over or older) adj2 65 year?).ti,ab,kf.	
72.	(longterm care or long term care).ti,ab,kf.	
73.	nursing home*.ti,ab,kf.	
74.	or/63-73	Age
75.	(eng or ger).la.	Language
76.	exp comorbidity/	
77.	polypharmacy/	
78.	Multiple Chronic Conditions/	
79.	exp chronic disease/ and multiple.ti,ab,kf.	
80.	(comorbid* or co-morbid*).ti,ab,kf,ot. or (komorbid* or ko-morbid*).ot.	
81.	(multimorbid* or multi*-morbid*).ti,ab,kf,ot.	
82.	(polymorbid* or poly morbid*).ti,ab,kf,ot.	
83.	multidisease*.ti,ab,kf.	
84.	(burden adj3 (illness or disease? or treatment?)).ti,ab,kf.	
85.	(multi* adj3 (ill* or condition* or disorder* or syndrom* or disease* or medicat*).ti,ab,kf.	
86.	(chronic* adj3 (disease* or ill* or care or condition* or disorder* or health* or medication* or syndrom* or symptom*).ti,ab,kf.	
87.	multimedikat*.ti,ab,kf. or multimedikat*.ot. or multi-medikat*.ot.	
88.	(polymedicat* or poly-medicat*).ti,ab,kf. or polymedikat*.ot. or poly-medikat*.ot.	
89.	(polypharmac* or poly-pharmac*).ti,ab,kf. or (polypharmaz* or poly-pharmaz*).ot.	
90.	(several adj3 (disease? or illness or diagnos* or condition?)).ti,ab,kf.	
91.	or/76-90	Multimorbidity
92.	or/39-42	Prioritised dimensions
93.	38 or 92	Patient-centredness or prioritised dimensions
94.	62 and 74 and 75 and 91 and 93	

#	Searches	Annotations
95.	94 not 58 not 59	"Patient-centredness" or "Patient involvement in care" or "Communication between carer and patient" or "Physical and emotional support" or "Participation of family and friends" and german/englisch and Terwee strategy modified and age and mulitmorbidity excluded animals, and different publication types

**MEDLINE (via Ovid): Non-indexed search**

Database(s):

Ovid MEDLINE(R) In-Process &amp; Other Non-Indexed Citations November 02, 2018,

Ovid MEDLINE(R) Epub Ahead of Print November 02, 2018

#	Searches	Annotations
1.	(patient* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
2.	(client* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
3.	(person* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
4.	(consumer* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
5.	(people* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
6.	(resident* adj3 (centered* or centred* or led* or oriented* or directed* or focus*)).ti,ab,kf.	
7.	(patient cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
8.	(client cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
9.	(person cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
10.	(consumer cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
11.	(people cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
12.	(resident cent* adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
13.	(patient oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
14.	(client oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
15.	(person oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
16.	(consumer oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
17.	(people oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
18.	(resident oriented adj3 (care or approach* or therap* or treatment or medic*)).ti,ab,kf.	
19.	(patient cent?redness or client cent?redness or person cent?redness or consumer cent?redness or people cent?redness or resident cent?redness).ti,ab,kf.	
20.	((individualised or personalised or individualized or	

#	Searches	Annotations
	personalized) adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
21.	(patientcent* or clientcent* or personcent* or consumercent* or peoplecent* or residentcent*).ti,ab,kf.	
22.	(patientoriented or clientoriented or personoriented or consumeroriented or peopleoriented or residentoriented).ti,ab,kf.	
23.	(patient*orientier* or klient*orientier* or konsument*orientier* or bewohner*orientier* or person*orientier* or patient*zentrier* or klient*zentrier* or konsument*zentrier* or bewohner*zentrier* or person*zentrier*).ot.	
24.	((patient* or klient* or konsument* or bewohner* or person*) adj (zentrier* or orientier*).ot.	
25.	(patient focus* adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
26.	(client focus* adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
27.	(person focus* adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
28.	(consumer focus* adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
29.	(people focus* adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
30.	(resident focus* adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
31.	((patient* or client* or person* or consumer* or people* or resident* or carer* or caregiver* or nurse* or provider* or doctor* or physician* or provisioner* or clinician* or staff) adj3 (belief* or value* or preference* or attitude*).ti,ab,kf.	
32.	holism.ti,ab,kf.	
33.	(Holistic nursing or holistic health or integrative medicine).ti,ab,kf.	
34.	(holistic* adj3 (care or approach* or therap* or treatment or medic*).ti,ab,kf.	
35.	or/1-34	Patient-centredness
36.	((physical* or psycholog* or emotional*) adj3 (support* or promot* or assist* or aid or sustain*).ti,ab,kf.	Dimension: Physical and emotional support
37.	((patient* or client* or person* or consumer* or people* or resident*) adj6 (carer* or caregiver* or nurse* or provider* or doctor* or physician* or provisioner* or clinician*) adj6 (communication or conversation or correspondence).ti,ab,kf.	Dimension: Communication between carer and patient
38.	((shared or participat* or parted or split) adj3 decision*).ti,ab,kf.	Dimension: Patient involvement in care
39.	((famil* or friend* or peer group*) and (participat* or information or support)).ti,ab,kf.	Dimension: Participation of family and friends

#	Searches	Annotations
40.	validation studies.pt.	
41.	psychometric*.ti,ab,kf.	
42.	(develop* or construct* or evaluat*).ti,ab,kf.	
43.	(survey* or questionnaire* or health status indicator* or patient health questionnaire* or self report* or patient reported outcome*).ti,ab,kf.	
44.	reliability.ti,ab,kf.	
45.	(validity or validation).ti,ab,kf.	
46.	internal consistency.ti,ab,kf.	
47.	(testretest or (test adj6 retest)).ti,ab,kf.	
48.	kappa*3.ti,ab,kf.	
49.	concordance.ti,ab,kf.	
50.	(factor analys#s or dimensionality or factor structure?).ti,ab,kf.	
51.	(sensitivity or specificity).ti,ab,kf.	
52.	(measurement* or test or rating index or questionnaire* or scale* or subscale* or schedule* or inventory* or assess* or instrument*).ti,ab,kf.	
53.	40 or 41 or 42 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51	
54.	43 or 52	
55.	53 and 54	Modification of the Terwee filter
56.	(olde*2 adj2 (adult*2 or people or person* or patient* or age*2 or man or men or wom#n or client* or residen* or female? or male? or population*)).ti,ab,kf.	
57.	(elder* or geriat* or geronto* or frail* or senior? or agedly or eldest or very old* or oldest old* or old age*).ti,ab,kf.	
58.	(high*3 age*2 or late* life* or late* live*).ti,ab,kf.	
59.	((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* or population*)).ti,ab,kf.	
60.	advanced in years.ti,ab,kf. or (betagt* or hochbetagt*).ot.	
61.	(age? adj2 65* adj2 (more than or greater or over)).ti,ab,kf.	
62.	((more than or greater or over or older) adj2 65 year?).ti,ab,kf.	
63.	nursing home*.ti,ab,kf.	
64.	(longterm care or long term care).ti,ab,kf.	
65.	or/56-64	Age
66.	chronic disease.mp. and multiple.ti,ab,kf. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	
67.	(comorbid* or co-morbid*).ti,ab,kf,ot. or (komorbid* or ko-	



#	Searches	Annotations
	morbid*).ot.	
68.	(multimorbid* or multi*-morbid*).ti,ab,kf,ot.	
69.	(polymorbid* or poly morbid*).ti,ab,kf,ot.	
70.	multidisease*.ti,ab,kf.	
71.	(burden adj3 (illness or disease? or treatment?)).ti,ab,kf.	
72.	(multi* adj3 (ill* or condition* or disorder* or syndrom* or disease* or medicat*)).ti,ab,kf.	
73.	(chronic* adj3 (disease* or ill* or care or condition* or disorder* or health* or medication* or syndrom* or symptom*)).ti,ab,kf.	
74.	multimedikat*.ti,ab,kf. or multimedikat*.ot. or multi-medikat*.ot.	
75.	(polymedicat* or poly-medicat*).ti,ab,kf. or polymedikat*.ot. or poly-medikat*.ot.	
76.	(polypharmac* or poly-pharmac*).ti,ab,kf. or (polypharmaz* or poly-pharmaz*).ot.	
77.	(several adj3 (disease? or illness or diagnos* or condition?)).ti,ab,kf.	
78.	or/66-77	Multimorbidity
79.	or/36-39	Prioritised dimensions
80.	35 or 79	Patient-centredness or prioritised dimensions
81.	80 and 55 and 65 and 78	“Patient-centredness” or “Patient involvement in care” or “Communication between carer and patient” or “Physical and emotional support” or “Participation of family and friends” and Terwee strategy modified and age and mulitmorbidity

## Notes:

/	=	MeSH term
exp /	=	explode MeSH term
.ti,ab,kf..	=	title, abstract, keyword heading word
.mp.	=	title, original title, abstract, name of substance word, subject heading word
.ot..	=	original title
.pt.	=	publication type

## Truncation, wildcards:

*	=	any number of characters
#	=	exact 1 character
?	=	0 or 1 character
term*n	=	0 to <i>n</i> characters (example: high*3 finds high, higher, highest, not highlight)

Proximity operators:

$adj_n$  = terms with  $n-1$  words in between in any order