

Appendix D: Review search strategies

D.1 Scoping search strategies

D.1.1 Scoping searches

Scoping searches were undertaken on the following websites and databases (listed in alphabetical order) in June 2015 to provide information for scope development and project planning. Browsing or simple search strategies were employed.

Guidelines/website	Systematic review/economic evaluations
Age UK	Cochrane Database of Systematic Reviews (CDSR)
Alzheimer Europe	Database of Abstracts of Reviews of Effects (DARE) – last updated Dec 2014
Alzheimer’s Society	DUETS
American Academy of Neurology	Health Technology Assessment (HTA) Database
American Geriatrics Society	NHS Economic Evaluation Database (NHS EED) – last updated December 2014
American Medical Directors Association	NIHR Health Technology Assessment Programme
American Occupational Therapy Association	NIHR Health Services and Delivery Research (HS&DR) Programme
American Psychiatric Association	PROSPERO
British Association for Psychopharmacology	TRIP Database
British Society of Gerodontology	
Cabinet Office	
Care Council for Wales	
Care Quality Commission	
College of Occupational Therapists	
Core Outcome Measures in Effectiveness Trials (COMET)	
Dementia Services Development Centre, University of Stirling (DSDC)	
Dementia UK	
Department of Health	
Department of Health Social Services and Public Safety	
Directors of Adult Social Services (ADASS)	
European Association of Palliative Care	
European Federation of Neurological Societies	
General Medical Council	
Government of Western Australia	
Guidelines & Audit Implementation Network (GAIN)	
Guidelines International Network (GIN)	
Hartford Institute for Geriatric Nursing	
Health and Social Care Information Centre	
Healthtalk Online	
Hospice UK	
House of Commons Health Committee	
Housing Learning and Improvement Network (LIN)	
Infobase – Canadian Medical Association	

Guidelines/website	Systematic review/economic evaluations
Institute for Research and Innovation in Social Services International Psychogeriatric Association Joanna Briggs Institute Map of Medicine Medicines and Products Regulatory Agency (MHRA) Mental Welfare Commission for Scotland National Audit Office National Health and Medical Research Council - Australia National Institute for Health and Care Excellence (NICE) - published & in development guidelines National Institute for Health and Care Excellence (NICE) - Topic Selection NHS Choices NHS Confederation NHS England NICE Clinical Knowledge Summaries (CKS) NICE Evidence Search Office of the Public Guardian Patient UK PatientVoices Prime Minister's Office Public Health England Royal College of Emergency Medicine Royal College of Nursing Royal College of Physicians Royal College of Psychiatrists Royal College of Radiologists Scottish Government Scottish Intercollegiate Guidelines Network (SIGN) Skills for Care Social Care Institute for Excellence (SCIE) Society of Nuclear Medicine and Molecular Imaging US National Guideline Clearinghouse US Preventative Services Taskforce Welsh Government	

D.1.2 Main searches

Bibliographic databases searched for the guideline

- Applied and Social Sciences Index and Abstracts – ASSIA (Proquest)
- Cumulative Index to Nursing and Allied Health Literature - CINAHL (EBSCO)
- Cochrane Database of Systematic Reviews – CDSR (Wiley)
- Cochrane Central Register of Controlled Trials – CENTRAL (Wiley)
- Database of Abstracts of Reviews of Effects – DARE (Wiley)
- Health Technology Assessment Database – HTA (Wiley)

- EMBASE (Ovid)
- Health Management Information Consortium HMIC (Ovid)
- MEDLINE (Ovid)
- MEDLINE Epub Ahead of Print (Ovid)
- MEDLINE In-Process (Ovid)
- PsychINFO (Ovid)
- Social Care Online (SCIE)
- Social Policy and Practice (Ovid)
- Sociological Abstracts (Proquest)

D.1.3 Identification of evidence for review questions

The searches were conducted between September 2015 and March 2017 for 34 review questions (RQ) Searches were re-run between July and September 2017.

In addition to searching bibliographic databases, a search of the grey literature was undertaken to further identify qualitative evidence for RQs 3, 4, 6, 12, 13 and 14 (see D.2.23) A literature search was not undertaken for RQ18, this question was supported by evidence provided from an expert witness, the UK Prescribing Observatory for Mental Health (see Appendix N).

Where appropriate, study design filters (designed in-house) were used to limit the retrieval to, for example, randomised controlled trials. Details of the study design filters used can be found in section D4.

D.2 Review question search strategies

D.2.1 Population terms

For most of the review questions a standard set of population terms was used (table 1). Where these were adapted, this is indicated alongside the intervention terms used for the individual questions.

Table 1: Population terms

Database Ovid MEDLINE(R) <1946 to September Week 3 2017>	
Search Strategy:	
1	exp Dementia/
2	(dementi* or pseudodementia).tw
3	(alzheimer* or alzeimer* or (cortical adj4 sclerosis)).tw.
4	((encephalopath* or cogniti* or neurocogniti*) adj4 (aids or hiv)).tw.
5	((aphasi* adj4 (primary or progress*)) or mesulam* or ppa or (ftd adj4 temporal)).tw.
6	((creutzfeldt or ja?ob*) adj4 (disease or syndrome)) or cjd or (spongiform adj4 encephalopath*) or "corticostriatospinal degeneration" or (pseudosclerosis adj4 spastic)).tw.
7	(binswanger* or ((subcortic* or "sub cortic*" or arterisclerotic) adj4 (encephalopath* or leukoencephalopath*)) or cadasil*).tw.
8	((kosaka adj2 shibayama) or (neurofibrillary adj1 tangle*) or dntc).tw.
9	((frontotemporal or (fronto adj temporal) or (corticobasal or (cortico adj basal) or (frontal adj lobe))) adj4 (degenerati* or dysfunction)) or ftld or ftlds or ftd or ftlds).tw.
10	((pick* adj1 (complex or disease* or syndrome)) or (wilhemsen adj1 lynch) or ddpac or (lob* adj4 atroph*)).tw.
11	(huntington* or ((progressive or major or juvenile or hereditary) adj4 chorea)).tw.
12	((kluver or kluever) adj4 bu?y) or (("temporal lobectomy" adj4 behavi*) or ("temporal lobe" adj4 dysfunction)).tw.

Database Ovid MEDLINE(R) <1946 to September Week 3 2017>

Search Strategy:

- 13 ("lewy bod*" or dlb or lbd or dlbd).tw.
- 14 ("senile confusion" or "senile psychosis" or senilit*).tw
- 15 Tauopathies/
- 16 tauopath*.tw.
- 17 cerad.tw.
- 18 (Posterior adj cortic* adj atroph*).tw.
- 19 sivd.tw.
- 20 or/1-19

D.2.2 Search strategy review question 1

RQ1: Who should initiate, and review the following pharmacological interventions: donepezil, galantamine, rivastigmine, memantine, for people with Alzheimer's disease and how should a review be carried out?

The population was adjusted for this search as this question concerns people with Alzheimer's disease only.

Table 2: search strategy RQ1

Medline Strategy, searched 23rd September 2015

Database: 1946 to Sept wk 2 2015

Search Strategy:

- 1 Alzheimer Disease/
- 2 (alzheimer* or alzeimer*).tw.
- 3 (dementia adj2 (senile or presenile)).
- 4 (cortical adj4 sclerosis).
- 5 or/1-4
- 6 (donepezil or aricept* or asenta or eranz or memac or memorit).tw.
- 7 Galantamine/
- 8 (galantamin* or reminyll* or lycoremin* or galanthamine or nivalin* or razadyne or jilkon).tw.
- 9 (rivastigmin* or exelon* or nimvastid or prometax).tw.
- 10 Memantine/
- 11 (memantin* or axura or namenda or ebix* or maruxa* or nemdatine* or akatinol).tw.
- 12 or/6-11
- 13 5 and 12
- 14 limit 13 to english language
- 15 animals/ not humans/
- 16 14 not 15

D.2.3 Search strategy review question 2

RQ2: When should treatment with donepezil, galantamine, rivastigmine, memantine be withdrawn for people with Alzheimer's disease?

The population was adjusted for this search as this question concerns people with Alzheimer's disease only.

Table 3: search strategy RQ2

Medline Strategy, searched 24 th August 2016	
Database: Ovid MEDLINE(R) 1946 to August wk 2 2016	
Search Strategy:	
1	Alzheimer Disease/
2	(alzheimer* or alzeimer*).tw.
3	(dementia adj2 (senile or presenile)).tw.
4	(cortical adj4 sclerosis).tw.
5	or/1-4
6	exp cholinesterase inhibitors/
7	((Cholinesterase* or acetylcholinesterase*) adj2 (inhibitor* or block*)).tw.
8	(ChEI* or AChEI*).tw.
9	(donepezil or aricept* or asenta or eranz or memac or memorit).tw.
10	Galantamine/
11	(galantamin* or reminyin* or lycoremin* or galanthamine or nivalin* or razadyne or jilkon).tw.
12	(rivastigmin* or exelon* or nimvastid or prometax).tw.
13	memantine/
14	(memantin* or axura or namenda or ebix* or maruxa* or nemdatine* or akatinol).tw.
15	or/6-14
16	Withholding Treatment/
17	(withhold* or with-hold* or with hold* or withdraw* or with-draw* or with draw* or stop* or cancel* or remov* or takeaway or take-away or take away or taking away or end or ending or abolit* or eliminat* or terminat* or discontin* or dis-contin* or cease* or cessation or conclude* or finish*).tw.
18	"Severity of Illness Index"/
19	Time factors/
20	or/16-19
21	5 and 15 and 20
22	Animals/ not Humans/
23	21 not 22
24	limit 23 to english language

Note: RCT filter appended to strategy.

D.2.4 Search strategy review question 5

RQ5: What are the most effective methods of care planning, focussing upon improving outcomes for people with dementia and their carers?

Table 4: search strategy RQ5 intervention terms

Medline Strategy, searched 24 th August 2016	
Database: Ovid MEDLINE(R) 1946 to August Week 2 2016	
Search Strategy:	
21	Patient Care Planning/
22	Health Planning/
23	Case Management/
24	Cooperative Behavior/
25	Patient Care Team/
26	exp Delivery of Health Care, Integrated/
27	exp Community Health Services/og [Organization & Administration]
28	exp Mental Health Services/og [Organization & Administration]
29	exp Patient Care Management/og [Organization & Administration]
30	exp Nursing Homes/og [Organization & Administration]
31	Homes for the Aged/og [Organization & Administration]
32	((car* or case or treat* or support) adj4 (plan* or coordinat* or co-ordinat* or manag* or consult* or facilitat* or shar* or collaborat* or harmoni* or integrat* or program* or cooperat* or co-operat* or continuity or team* or coalition*)).tw.
33	((coordinat* or co-ordinat* or harmoni* or integrat* or cooperat* or co-operat* or collaborat* or coalition*) adj4 (resource* or asset* or means or service* or program* or agenc* or project*)).tw.

Medline Strategy, searched 24th August 2016
Database: Ovid MEDLINE(R) 1946 to August Week 2 2016
Search Strategy:

34 (car* adj4 (goal* or objective* or target*)).tw.
35 Interdisciplinary Communication/
36 Interprofessional Relations/
37 ((interdisciplin* or inter-disciplin* or multidisciplin* or multi-disciplin* or interprofession* or inter-profession* or transdisciplin* or trans-disciplin* or cross-disciplin*) adj4 (car* or collaborat* or communicat* or relation* or social* or work* or network* or coalition* or approach*)).tw.
38 Disease Management/
39 exp Self Care/
40 ((diseas* or illness or condition or disorder*) adj2 management).tw.
41 ((self or patient cent* or patient-cent*) adj4 (car* or manag* or treat*)).tw.
42 (whole adj4 (system or care)).tw.
43 Psychiatric Nursing/
44 ((admiral or psychiatric or mental health) adj4 nurs*).tw.
45 (triang* adj4 car*).tw.
46 Partners in Dementia Care.tw.
47 MIND at Home.tw.
48 Medicare Alzheimer's Disease Demonstration.tw.
49 or/21-48
50 20 and 49
51 Animals/ not Humans/
52 50 not 51
53 limit 52 to english language

Note: RCT and systematic review filters appended to strategy

D.2.5 Search strategy review question 7

RQ7: What are the most effective methods of supporting people living with dementia to reduce harm and stay independent?

Date limits were applied as this topic was reviewed in the previous guideline.

Table 5: search strategy RQ7 intervention terms

Medline Strategy, searched 1st February 2017
Database: Ovid MEDLINE(R) 1946 to January wk 3 2017
Search Strategy:

21 exp Activities of Daily Living/
22 (Daily adj2 (life or living) adj2 activi*).tw.
23 adl.tw.
24 (independent* adj3 living).tw.
25 Occupational Therapy/
26 ((community adj1 dwelling*) or aging in place).tw.
27 ((Occupation* or Occ) adj2 (therap* or treat* or care* or medicine*)).tw.
28 (OT or ergotherap*).tw.
29 ((Environment* or home* or hous* or flat* or apartment* or cottage* or bungalow*) adj4 (modifi* or alter* or adjust* or adapt* or revis* or conver* or change*)).tw.
30 Social support/
31 (social adj2 (support* or network*)).tw.
32 (psychosocial adj2 (interven* or support* or therap* or treat* or care* or medicine*)).tw.
33 exp Self-Help Devices/
34 ((Assistive* or automat* or medicine or medication or locate* or track* or move* or alarm* or safe or safer or safety or communit* or shut-off or switch-off) adj2 (technolog* or device* or system* or prompt* or remind* or monitor* or detect* or sensor* or dispenser* or aid or aids or solution* or multicomponent*)).tw.
35 exp Exercise/ or exp Exercise therapy/
36 exercis*.tw.
37 exp Self Care/

Medline Strategy, searched 1st February 2017

Database: Ovid MEDLINE(R) 1946 to January wk 3 2017

Search Strategy:

38 (self care or self-care or self management or self-management or personal care).tw.
39 Telemedicine/
40 (telehealth or telemedicine or telecare or ehealth or mhealth).tw.
41 ((alarm* or alert* or sensor* or detector*) adj4 (motion or fall* or mov*)).tw.
42 community alarm*.tw.
43 ((medication* or medicine* or pill* or tablet* or capsule*) adj4 (aid* or prompt* or remind*)).tw.
44 (automat* adj4 dispense*).tw.
45 dosette box*.tw.
46 Geographic Information Systems/
47 Remote Sensing Technology/
48 ((gps or " global Position") adj2 track*).tw.
49 (remote adj2 sensing).tw.
50 (locat* adj4 (device* or monitor*)).tw
51 Reminder systems/
52 ((automat* or record*) adj4 (prompt* or remind*)).tw.
53 (remind* adj4 (system* or device* or technique* or method*)).tw.
54 (memory adj4 (aid* or device* or prompt*)).tw.
55 (clock* or calendar* or noticeboard* or notice board* or notices or sticky note* or post-it-note*).tw.
56 ((telephone* or cellphone* or mobile) adj4 (adapt* or block*)).tw.
57 (video chat or skype or facetime).tw.
58 Self-Help Groups/
59 ((involvement or self help or self-help or support) adj4 group*).tw.
60 Communication/
61 communicat*.tw.
62 or/21-61
63 exp Nutrition Therapy/ or exp Eating/
64 ((nutrition* or diet or eat* or food) adj4 (therap* or support* or help* or aid* or guid* or treat* or care* or program*)).tw.
65 Deglutition/
66 (swallow* or deglutition).tw.
67 ((drink* adj4 (support* or help* or aid* or guid*)) or hydrat* or dehydrat*).tw.
68 exp Accident Prevention/
69 (automat* adj4 (light* or shut-off or shut off)).tw.
70 (water adj4 isolat*).tw.
71 ((prevent* or avoid* or avert* or stop*) adj4 (accident* or flood* or scald* or burn* or fire*)).tw.
72 (sensor* adj4 (temperature* or heat* or hot or cold or freez* or frozen)).tw.
73 Community Health Services/ or Community Networks/
74 (community adj4 (rehabilitat* or service* or care or network* or group*)).tw.
75 (self advoca* or self-advoca*).tw.
76 or/63-75
77 Harm Reduction/
78 Personal Autonomy/
79 Risk/ or exp Risk Assessment/ or Risk Mangement/ or Risk Reduction Behavior/ or Risk-Taking/
80 (harm* or indepen* or risk* or autonom* or self determination or empower* or enable* or capacitate or free will).tw.
81 or/77-80
82 20 and 62 and 81
83 20 and 76
84 82 or 83
85 (2006* or 2007* or 2008* or 2009* or 2010* or 2011* or 2012* or 2013* or 2014* or 2015* or 2016* or 2017*).ed.
86 84 and 85
87 limit 86 to english language/

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.6 Search strategy review question 8

RQ8: How effective is pre, peri & post-diagnostic counselling and support on outcomes for people living with dementia and their families?

Table 6: search strategy RQ8 intervention terms

Medline Strategy, searched 8 th February 2017	
Database: Ovid MEDLINE(R) 1946 to January Week 4 2017	
Search Strategy:	
21	diagnos*.tw.
22	exp Diagnosis/
23	21 or 22
24	20 and 23
25	exp Counseling/
26	counsel*.tw.
27	Social support/
28	((soci* or psychosocial* or peer* or friend* or buddy* or companion* or volunteer*) adj4 (support* or therap* or system* or network* or group*)).tw.
29	Self-Help Groups/
30	(Self-help* or self-manag* or (self adj4 (help* or manag* or therap* or care* or caring*))).tw.
31	exp Patients/px
32	exp Family/px
33	Mentally Ill Persons/px
34	Caregivers/px
35	Patient Navigation/
36	((patient* or care* or treat* or medic*) adj4 navigat*).tw.
37	(Admiral adj4 nurs*).tw.
38	(dementia adj4 advis?r*).tw
39	Strategies For Relatives.tw.
40	signpost*.tw.
41	information centers/ or information services/ or information dissemination/
42	libraries/ or library services/
43	health education/
44	patient education as topic/
45	consumer health information/
46	needs assessment/
47	self care/
48	((patient* or parent* or famil* or relative* or carer* or caregiver* or care-giver* or inpatient* or in-patient* or spous* or husband* or wife* or wive* or partner* or mother* or consumer*) adj6 (advis* or advice* or counsel* or educat* or communicat* or informat* or learn* or lesson* or librar* or material* or need* or promot* or resource* or selfhelp* or self-help* or self help or selfcar* or self-car* or self car* or self-manag* or self manag* or support* or teach* or tool* or train* or tutorial*)).ti.
49	((medical or health or electronic or virtual) adj4 (communicat* or educat* or informat* or learn*)).ti.
50	computer-assisted instruction/
51	exp internet/
52	exp computers handheld/
53	mobile applications/
54	social networking/
55	electronic mail/
56	text messaging/
57	hotlines/
58	patient education handout/
59	exp teaching materials/
60	pamphlets/
61	(app or apps or blog* or booklet* or brochure* or dvd* or elearn* or e-learn* or email* or e-mail* or e mail* or facebook or facetime or face time or forum* or handout* or hand-out* or hand out* or helpline* or hotline* or internet* or ipad* or iphone* or leaflet* or Myspace or online or magazine* or mobile phone* or newsletter* or pamphlet* or palm pilot* or personal digital assistant*

Medline Strategy, searched 8th February 2017

Database: Ovid MEDLINE(R) 1946 to January Week 4 2017

Search Strategy:

or pocket pc* or podcast* or poster? or skype* or smartphone* or smart phone* or social media or social network* or sms or text messag* or twitter or tweet* or video* or web* or wiki* or youtube*).ti.
62 ((mobile* or portable) adj4 application*).ti.
63 (computer* adj4 (handheld or palm top or palmtop or pda or tablet*)).ti.
64 bibliotherapy/
65 bibliotherap*.ti.
66 ((book* or information*) adj2 prescription*).ti.
67 or/25-66
68 24 and 67
69 animals/ not humans/
70 68 not 69
71 limit 70 to english language

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.7 Search strategy review question 9

RQ9: How should people living with dementia be reviewed post diagnosis?

Table 7: search strategy RQ9 intervention terms

Medline Strategy, searched 6th February 2017

Database: Ovid MEDLINE(R) <1946 to January week 4 2017

Search Strategy:

21 og.fs.
22 Continuity of Patient Care/
23 Patient Care Planning/
24 Delivery of Health Care/
25 Primary health care/
26 Family practice/
27 General practice/
28 Ambulatory care/
29 Ambulatory care facilities/
30 Patient care team/
31 ((post or after or follow*) adj4 (diagnos* or care or caring*)).tw.
32 (memory adj1 (clinic* or service*)).tw.
33 or/21-32
34 20 and 33
35 Animals/ not Humans/
36 34 not 35
37 limit 36 to english language

Note: RCT systematic review and observational study filters appended to strategy.

D.2.8 Search strategy review question 10

RQ10: How should people living with dementia be cared for when admitted to hospital?

Table 8: search strategy RQ10 intervention terms

Medline Strategy, searched 20th December 2016

Database: Ovid MEDLINE(R) <1946 to December week 1 2016>

Search Strategy:

21 exp Hospitalization/
22 Hospital Administration/
23 Hospital-Patient Relations/

Medline Strategy, searched 20th December 2016	
Database: Ovid MEDLINE(R) <1946 to December week 1 2016>	
Search Strategy:	
24	Health Services for the Aged/
25	exp Continuity of Patient Care/
26	Patient-Centered Care/
27	Medical Staff, Hospital/
28	"Hospital Design and Construction"/
29	((hospital* or clinic* or environment* or ward*) adj4 (design* or architect* or layout* or construct* or building* or type*)).tw.
30	("this is me" or "butterfly scheme" or "forget me not scheme*" or "Barbara's story" or "mental health liaison" or "rapid assessment interface and discharge").tw.
31	("intentional rounding" or "proactive patient round*" or "care round*" or "comfort round*" or "four p's" or "4 p's").tw.
32	or/21-31
33	20 and 32
34	animals/ not humans/
35	33 not 34

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.9 Search strategy review question 11

RQ11: What are the most effective ways of managing the transition between different settings (home, care home, hospital, and respite) for people living with dementia?

Table 9: search strategy RQ11 intervention terms

Medline Strategy, searched 16th December 2016	
Database: Ovid MEDLINE(R) 1946 to December Week 1 2016	
Search Strategy:	
21	"continuity of patient care"/ or patient discharge/ or patient handoff/ or patient transfer/ or transitional care/ or patient admission/ or length of stay/ or advance care planning/ or Transfer agreement/ or exp Interprofessional relations/ or exp Patient Care Team/
22	((transfer* or move* or moving or continuity or transition* or hando* or transport*) adj4 (hospital* or "primary care" or "secondary care" or "tertiary care" or "respite care" or "social care" or ward* or theatre* or theater* or hospice* or "care home" or "nursing home" or "residential care" or home* or community or "intermediate care" or "day care" or emi or "elderly mentally infirm" or setting* or facility or facilities or location* or environment*)).tw.
23	((transition* or transfer* or relocat* or transport*) adj4 (timing or time* or plan* or manag* or permanent or temporary* or process or policy or policies or system* or monitor* or require* or adapt*)).tw.
24	(transitional shock or (continu* adj2 care)).tw.
25	((patient* or client* or resident* or service user*) adj4 (transfer* or move* or moving or continuity or transition* or hando* or turf* or dump* or discharg* or admit* or admission* or relocat*)).tw.)
26	(length* adj4 (stay* or attend*)).tw.
27	or/21-26
28	20 and 27
29	limit 28 to english language

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.10 Search strategy review questions 15 and 16

RQ15: How effective are carers' assessments in identifying the needs of carers of people living with dementia?

RQ16: What interventions/services are most effective for supporting the wellbeing of informal carers of people living with dementia?

Date limits from 2006 were applied alongside the RCT and systematic review filters as this topic had been reviewed in the previous guideline. Date limits were not applied to the observational study element.

Table 10: search strategy RQ15 and RQ16 intervention terms

Medline Strategy, searched 20th July 2016
Database: Ovid MEDLINE(R) 1946 to July Week 1 2016
Search Strategy:

21 Caregivers/
22 (carer* or caregiver* or care giver* or care-giver* or caretaker*).tw.
23 or/21-22
24 20 and 23
25 limit 24 to english language

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.11 Search strategy review question 17

RQ17: What are the most effective methods of differentiating dementia and delirium from delirium alone?

Table 11: search strategy RQ17 intervention terms

Medline Strategy, searched 15th August 2016
Database: Ovid MEDLINE(R) 1946 to August Week 1 2016
Search Strategy:

21 delirium/
22 (acute\$ adj2 (confus\$ or "brain syndrome" or "brain failure" or "psycho-organic syndrome" or "organic psychosyndrome")).tw.
23 deliri\$.tw.
24 (terminal\$ adj restless\$).tw.
25 toxic confus\$.tw.
26 or/21-25
27 20 and 26
28 (sensitiv: or diagnos:).mp. or di.fs.
29 27 and 28
30 animals/ not humans/
31 29 not 30
32 limit 31 to english language

D.2.12 Search strategy review question 19

RQ19: What are the most effective tools to identify whether drugs may be the cause of cognitive decline in someone suspected of having dementia?

Table 12: search strategy RQ19 intervention terms

Medline Strategy, searched 16th November 2016
Database: Ovid MEDLINE(R) 1946 to November Week 1 2016
Search Strategy:

21 exp Cholinergic Antagonists/ae or exp Cholinergic Antagonists/tu or exp Cholinergic Antagonists/to

Medline Strategy, searched 16th November 2016	
Database: Ovid MEDLINE(R) 1946 to November Week 1 2016	
Search Strategy:	
22	Prescription Drugs/ae
23	Cognition/de
24	Cognition disorders/ci
25	exp Adverse Drug Reaction Reporting Systems/
26	Drug Utilization Review/
27	((anticholinergic* or anti-cholinergic* or antimuscarinic* or antinicotinic*) adj4 (burden or exposure or scale* or risk* or activity or adverse or assess* or tool* or measur* or surveillance or medication*)).tw.
28	((STOPP adj start) or "screening tool for older people's potentially inappropriate prescriptions" or "screening tool to alert doctors to right/appropriate treatments").tw.
29	(drug burden index or anticholinergic burden index or anticholinergic drug scale or anticholinergic risk scale or anticholinergic burden scale or medication appropriateness index or medication safety thermometer).tw.
30	(beer* criteria or beer* list).tw.
31	or/21-30
32	20 and 31
33	animals/ not humans/
34	32 not 33
35	limit 34 to english language

D.2.13 Search strategies review questions 20 and 21

RQ20: What are the most effective methods of primary assessment to decide whether a person with suspected dementia should be referred to a dementia diagnostic service?

RQ21: What are the most effective methods of diagnosing dementia and dementia subtypes in specialist dementia diagnostic services?

An initial search to identify systematic reviews was carried out (see table 13). Results of this were used to develop further strategies to identify evidence on specific tests (see table 14) and diagnosing dementia in specific populations (see table 15). These were given various date limits depending on the most recent systematic review identified.

Table 13: search strategy RQ20 and RQ21

Medline Strategy, searched 31st October 2016	
Database: Ovid MEDLINE(R) 1946 to October Week 3 2016	
Search Strategy:	
21	animals/ not humans/
22	20 not 21
23	limit 22 to english language
24	(sensitiv: or predictive value:).mp. or accurac:.tw.
25	23 and 24

Note: Systematic review filter appended to strategy.

Table 14: search strategy RQ20 and RQ21 (specific tests)

Medline Strategy, searched 15th/22nd March 2017	
Database: Ovid MEDLINE(R) 1946 to March week 1 /week 2 2017	
Search Strategy:	
21	(CAMDEX* or (cambridge* adj4 mental* adj4 disorder* adj4 elderly adj4 exam*)).tw.
22	(cambridge* adj4 mental* adj4 disorder* adj4 elderly adj4 scale*).tw.
23	(SKT or (short adj4 cognitive adj4 perform* adj4 test*)).tw.
24	IQCODE.tw.
25	(Informant adj4 Questionnaire adj4 Cognitive adj4 Decline adj4 Elderly).tw.
26	(MOCA or (montreal adj4 cognitive adj4 assess*)).tw.

Medline Strategy, searched 15th/22nd March 2017

Database: Ovid MEDLINE(R) 1946 to March week 1 /week 2 2017

Search Strategy:

- 27 ((test adj4 your adj4 memor*) or TYM).tw.
- 28 ((self-administer* adj4 geocognitive* adj4 exam*) or (self adj4 administer* adj4 cognitive adj4 exam*)).tw.
- 29 SAGE.tw.
- 30 ((front* adj4 assess* adj4 batter*) or FAB).tw.
- 31 or/21-30
- 32 exp Brain/
- 33 (brain* or encephlon*).tw.
- 34 32 or 33
- 35 exp Biopsy/
- 36 biops*.tw.
- 37 35 or 36
- 38 34 and 37
- 39 31 or 38
- 40 (sensitiv: or predictive value:).mp. or accurac:.tw.
- 41 20 and 39 and 40
- 42 (2006* or 2007* or 2008* or 2009* or 201*).ed
- 43 41 and 42
- 44 (clock* adj4 draw* adj4 (test* or task*)).tw.
- 45 ("clock test*" or "clock task" or CDT).tw.
- 46 44 or 45
- 47 20 and 46
- 48 (sensitiv: or predictive value:).mp. or accurac:.tw.
- 49 47 and 48
- 50 (2008* or 2009* or 201*).ed
- 51 49 and 50
- 52 (mini-cog or minicog or mini cog).tw.
- 53 exp Electroencephalography/
- 54 (EEG* or electroencephalogra* or stereoencephalogra*).tw.
- 55 (brain wave* or brainwave* or (wave adj4 oscillat*)).tw.
- 56 ((alpha or beta or delta or gamma or theta) adj4 rhythm*).tw.
- 57 electrocorticogra*.tw.
- 58 ((electric* or electro*) adj4 cortigra*).tw.
- 59 (ecog* adj4 (intraoperative* or extraoperative*)).tw.
- 60 (cortical adj4 (synchro* or desynchro*)).tw.
- 61 or/52-60
- 62 (sensitiv: or predictive value:).mp. or accurac:.tw.
- 63 (2015* or 2016* or 2017*).ed.
- 64 20 and 61 and 62 and 63
- 65 Fluorodeoxyglucose F18/
- 66 ((fluorodeoxyglucose or fludeoxyglucose) adj4 (F18 or f 18 or fluorine-18 or fluorine* or 18f or 18 f)).tw.
- 67 (FDG-18 or FDG 18 or FDG18 or 18-FDG or 18 FDG or 18FDG).tw.
- 68 or/65-67
- 69 exp Positron-Emission Tomography/
- 70 PET*.tw.
- 71 (positron* adj4 tomograph*).tw.
- 72 or/69-71
- 73 20 and 68 and 72
- 74 (FDG-PET* or FDGPET* or FDG PET*).tw.
- 75 20 and 74
- 76 73 or 75
- 77 (sensitiv: or predictive value:).mp. or accurac:.tw.
- 78 (2009* or 201*).ed.
- 79 76 and 77 and 78
- 80 exp Apolipoproteins E/
- 81 (apoe* or apo e* or apo-e* or apolipoproteins e or apolipoprotein e or apoprotein*).tw.

Medline Strategy, searched 15th/22nd March 2017

Database: Ovid MEDLINE(R) 1946 to March week 1 /week 2 2017

Search Strategy:

82 80 or 81
83 Amyloid beta-Peptides/
84 Amyloid beta-Protein Precursor/
85 (amyloid* adj4 (beta or ad ap or adap or ad-ap or protein*)).tw.
86 ((nexin 2 or nexin ii) adj4 protease*).tw.
87 ((abeta or a beta) adj4 (peptide* or protein*)).tw.
88 or/83-87
89 Cerebrospinal fluid/
90 (Cerebrospinal* adj4 fluid*).tw.
91 CSF*.tw.
92 ((cerebral* or cerebro*) adj4 spin* adj4 fluid*).tw.
93 (brain* adj4 ventricl* adj4 fluid*).tw.
94 ((cranial* or spine* or spinal*) adj4 fluid*).tw.
95 neurolymph.tw.
96 (cerebrospinal* adj4 liquor*).tw.
97 (cerebrospinal fluid or cf).fs.
98 or/89-97
99 88 and 98
100 Myocardial Perfusion Imaging/
101 ((myocardi* or heart* or cardiac*) adj4 scintigraph*).tw.
102 ((myocardi* or heart* or cardiac*) adj4 (perfus* adj4 imag*)).tw.
103 3-Iodobenzylguanidine/
104 (MIBG or iobenguane or 3 iodobenzylguanidine or 3-iodobenzylguanidine or m iodobenzylguanidine or m-iodobenzylguanidine or miodobenzylguanidine or meta iodobenzylguanidine or meta-iodobenzylguanidine or metaiodobenzylguanidine or meta iodobenzylguanidine).tw.
105 or/100-104
106 82 or 99 or 105
107 (sensitiv: or predictive value:).mp. or accurac:.tw.
108 201*.ed.
109 20 and 106 and 107 and 108
110 14-3-3 Proteins/
111 (14-3-3 or 14 3 3).tw.
112 tau Proteins/
113 tau.tw.
114 (p-tau or ptau or p tau).tw.
115 or/110-114
116 Cerebrospinal fluid/
117 (Cerebrospinal* adj4 fluid*).tw.
118 CSF*.tw.
119 ((cerebral* or cerebro*) adj4 spin* adj4 fluid*).tw.
120 (brain* adj4 ventricl* adj4 fluid*).tw.
121 ((cranial* or spine* or spinal*) adj4 fluid*).tw.
122 neurolymph.tw.
123 (cerebrospinal* adj4 liquor*).tw.
124 (cerebrospinal fluid or cf).fs.
125 or/116-124
126 20 and 115 and 125
127 (sensitiv: or predictive value:).mp. or accurac:.tw.
128 (2011* or 2012* or 2013* or 2014* or 2015* or 2016* or 2017*).ed
129 126 and 127 and 128
130 exp Tomography, Emission-Computed, Single-Photon/
131 (SPECT or SPET).tw.
132 (single adj4 photon adj4 emission adj4 compute* adj4 tomograph*).tw.
133 (single adj4 photon adj4 emission adj4 ct adj4 scan*).tw.
134 (single adj4 photon adj4 emission adj4 cat adj4 scan*).tw.
135 GPCOG*.tw.

Medline Strategy, searched 15th/22nd March 2017
Database: Ovid MEDLINE(R) 1946 to March week 1 /week 2 2017
Search Strategy:

136 (general adj4 practitioner* adj4 assess* adj4 cognit*).tw.
137 (GP* adj4 assess* adj4 cognit*).tw.
138 or/130-137
139 (sensitiv: or predictive value:).mp. or accurac:.tw.
140 (2012* or 2013* or 2014* or 2015* or 2016* or 2017*).ed
141 20 and 138 and 139 and 140
142 tau Proteins/
143 (tau or (p-tau or ptau or p tau)).tw.
144 (Addenbrooke* adj4 cognit* adj4 exam*).tw.
145 ACE*.tw.
146 ((mini* or revis*) adj4 ACE*).tw.
147 (Fototest* or phototest*).tw.
148 exp Magnetic Resonance Spectroscopy/
149 (magnetic adj4 resonan*).tw.
150 (MR or NMR or MRI* or FMRI*).tw.
151 exp Magnetic Resonance Imaging/
152 (chemical adj4 shift adj4 imag*).tw.
153 (echo adj4 imag* adj4 spin*).tw.
154 (magnet* adj4 transfer* adj4 contrast* adj4 imag*).tw.
155 zeugmatograph*.tw.
156 exp Positron-Emission Tomography/
157 PET*.tw.
158 (positron* adj4 emission* adj4 tomograph*).tw.
159 (MMSE or (Mini adj4 mental adj4 state adj4 exam*)).tw.
160 (HIV adj4 dementia adj4 scale).tw.
161 (HDS or IHDS or I-HDS or M-HDS or MHDS).tw.
162 ((neuronal or neural) adj4 (thread adj4 protein*)).tw.
163 (NTP or AD7c-NTP or AD7cNTP or AD7c NTP).tw.
164 Nerve tissue proteins/ur [Urine]
165 exp Neuroimaging/
166 (neuroimag* or (brain* adj4 imag*)).tw.
167 (diffus* adj4 tensor adj4 imag*).tw.
168 (functional adj4 brain adj4 imag*).tw.
169 (diffus* adj4 tractograph*).tw.
170 (brain adj4 map*).tw.
171 (functional adj4 cerebral adj4 local*).tw.
172 connectom*.tw.
173 (map* adj4 neural adj4 network*).tw.
174 neuroradiograph*.tw.
175 (cerebral* adj4 (angiograph* or ventriculograph*)).tw.
176 (echoencephalograph* or neurosolog*).tw.
177 (transcranial* adj4 doppler* adj4 (sonograph* or ultrasonograph* or ultrasound*)).tw.
178 (myelograph* or pneumoencephalograph*).tw.
179 exp Tomography, X-Ray Computed/
180 ((computed or computer assisted or computeriz* or computeris* or electron beam* or axial*)
adj4 tomograph*).tw.
181 (cat scan* or ct scan* or cine ct or cine-ct or tomodensitomet*).tw.
183 Four-Dimensional Computed Tomography/
184 (4d ct or 4dct or 4-dimensional CT or four dimensional CT).tw.
185 exp Tomography, Spiral Computed/
186 ((helical or spiral) adj4 ct*).tw.
187 or/142-186
188 (sensitiv: or predictive value:).mp. or accurac:.tw.
189 (2013* or 2014* or 2015* or 2016* or 2017*).ed
190 20 and 187 and 188 and 189
191 ((3-stage or 3stage or 3 stage) adj4 command*).tw.
192 ((three-stage or threestage or three stage) adj4 command*).tw.

Medline Strategy, searched 15th/22nd March 2017

Database: Ovid MEDLINE(R) 1946 to March week 1 /week 2 2017

Search Strategy:

- 193 (Abbreviated adj4 mental adj4 test*).tw.
- 194 AMT*.tw.
- 195 (Arizona adj4 battery adj4 communication adj4 disorder* adj4 dementia*).tw.
- 196 (Assess* adj4 motor adj4 process adj4 skill*).tw.
- 197 AMPS.tw.
- 198 (block adj4 tapping).tw.
- 199 (brixton adj4 test*).tw.
- 200 (california adj4 verbal* adj4 learn* adj4 test*).tw.
- 201 CVLT.tw.
- 202 (cambridge adj4 cognitive adj4 exam*).tw.
- 203 CAMCOG.tw.
- 204 (Chessington adj4 occupational adj4 therap* adj4 Neurologic* adj4 assess* adj4 battery).tw.
- 205 COTNAB.tw.
- 206 (Cognitive adj4 linguistic adj4 quick adj4 test*).tw.
- 207 CLQT.tw.
- 208 cognistat.tw.
- 209 (door* adj4 people adj4 test*).tw.
- 210 (galveston adj4 orientat* adj4 amnes* adj4 test*).tw.
- 211 GOAT.tw.
- 212 (hayling adj4 test*).tw.
- 213 (intersect* adj4 pentagon*).tw.
- 214 (loewenstein adj4 occupational adj4 therap* adj4 cognitive adj4 assess*).tw.
- 215 LOTCA*.tw.
- 216 (Lothian adj4 aphasia adj4 stroke adj4 cognitive adj4 assess*).tw.
- 217 LASKA.tw.
- 218 (Mental adj4 status adj4 questionnaire).tw.
- 219 (MSQ or SPMSQ).tw.
- 220 (Measur* adj4 cognitive adj4 linguistic adj4 abilit*).tw.
- 221 MCLA.tw.
- 222 ((OT adj4 cognitive adj4 screen* adj4 tool*) or (occupational adj4 therap* adj4 cognitive adj4 screen* adj4 tool*)).tw.
- 223 (perceiv* adj4 recall* adj4 plan* adj4 perform*).tw.
- 224 PRPP.tw.
- 225 ((picture or communication) adj4 card*).tw.
- 226 (repeat adj4 battery adj4 assess* adj4 neuropsychological adj4 status).tw.
- 227 RBANS.tw.
- 228 (rivermead adj4 behavio* adj4 memor* adj4 test*).tw.
- 229 RBMT.tw.
- 230 (Rivermead adj4 percept* adj4 assess* adj4 battery).tw.
- 231 RPAB.tw.
- 232 (Screening adj4 Instrument* adj4 neuropsychological adj4 Impairment* adj4 Stroke).tw.
- 233 (Short adj4 orientat* adj4 memor* adj4 concentrat* adj4 test*).tw.
- 234 SOMC.tw.
- 235 ((short adj4 blessed adj4 test*) or (blessed adj4 orientation adj4 memor* adj4 concentrat*)).tw.
- 236 ((verbal adj4 fluency adj4 test*) or (fluency adj4 task*)).tw.
- 237 (word adj4 generat* adj4 (test* or task*)).tw.
- 238 (wessex adj4 injur* adj4 matrix).tw.
- 239 WHIM.tw.
- 240 ((6-item or 6item or 6 item) adj4 (cognitive adj4 impairment*)).tw.
- 241 6CIT.tw.
- 242 (RUDAS or (rowlan* adj4 dementia* adj4 assess* adj4 scale*)).tw.
- 243 or/194-242
- 244 20 and 243
- 245 (sensitiv: or predictive value:).mp. or accurac:.tw.
- 246 (2014* or 2015* or 2016* or 2017*).ed
- 247 244 and 245 and 246

Medline Strategy, searched 15th/22nd March 2017	
Database: Ovid MEDLINE(R) 1946 to March week 1 /week 2 2017	
Search Strategy:	
248	NINCDS*.tw.
249	(Institute of Neurological and Communicative Disorders and Stroke and the Alzheimer's Disease and Related Disorders Association).tw.
250	(National Institute of Neurological Disorders and Stroke).tw.
251	Association Internationale pour la Recherche et l'Enseignement en Neurosciences.tw.
252	(Alzheimer's Disease and related Disorders Association).tw.
253	(ICD 10 or ICD-10 or ICD10).tw.
254	International Classification of Diseases.tw.
255	(DSM V or DSMV or DSM-V or DSM 5 or DSM5 or DSM five or DSM-5).tw.
256	(DSM-IV or DSM IV or DSMIV or DSM 4 or DSM4 or DSM-4 or DSM four).tw.
257	(DSM-IV-TR or DSMIVTR or DMS IV TR or DSM-4-TR or DSM4TR or DMS 4 TR).tw.
258	(DSM-IIR or DSMIIR or DSM IIR or DSM-2R or DSM2R or DSM 2R).tw.
259	(Diagnostic and statistical Manual of Mental Disorders).tw.
260	(consensus adj4 criteria*).tw. (2605)
261	(Lund-Manchester or LundManchester or Lund Manchester).tw.
262	NINDS.tw.
263	(reference adj4 standard*).tw.
264	(diagnos* adj4 criteria*).tw.
265	or/248-264
266	20 and 265
267	Autopsy/
268	(autops* or post-mortem* or postmortem* or post mortem*).tw.
269	pathology.fs.
270	neuropathology.tw.
271	or/267-270
272	266 and 271
273	43 or 51 or 64 or 79 or 109 or 129 or 141 or 190 or 247 or 272
274	Animals/ not Humans/
275	273 NOT 274
276	Limit 275 to English language

Table 15: search strategy RQ20 and RQ21 (specific populations)

Medline Strategy, searched 21st March 2017	
Database: Ovid MEDLINE(R) 1946 to March week 2 2017	
Search Strategy:	
21	down syndrome/
22	(down* adj4 (syndrome* or disease)).tw.
23	(mongolism or mongoloid*).tw.
24	(trisomy adj4 ("21" or g)).tw.
25	(translocation adj4 ("152122" or "15 21 22" or "15-21-22")).tw.
26	exp Learning Disorders/
27	((learn* or intellect* or intelligen* or understand*) adj4 (difficult* or disorder* or disabl* or disabilit* or disturbanc* or impair* or deficit* or problem* or dysfunction* or slow*)).tw.
28	(develop* adj4 disorder* adj4 (academic* or scholastic)).tw.
29	(concentrat* adj4 (loss* or lose*)).tw.
30	(special adj4 education* adj4 need*).tw.
31	(alcalculi* or dyscalculi*).tw.
32	((numerical* or numerac* or number* or math*) adj4 (difficult* or disorder* or disabl* or disabilit* or impair*)).tw.
33	Gerstmann Syndrome/
34	((gerstmann* or de-gerstmann* or de gerstmann* or degerstmann*) adj4 syndrome).tw.
35	(debility or oligophren* or oligiphren*).tw.
36	((velocardiofacial or vcf) adj4 syndrome).tw.
37	(alexi* or dyslexi*).tw.
38	(word adj4 blind*).tw.
39	((read* or literac*) adj4 (difficult* or disorder* or disabl* or disabilit* or impair*)).tw.

Medline Strategy, searched 21st March 2017

Database: Ovid MEDLINE(R) 1946 to March week 2 2017

Search Strategy:

```
40 Intellectual Disability/
41 (mental* adj4 (handicap* or deficien* or retard*)).tw.
42 ((impair* or deficit*) adj4 (social* adj4 function*)).tw.
43 ((impair or deficit*) adj4 (cognitiv* adj4 function*)).tw.
44 ((impair or deficit*) adj4 (intellect* adj4 function*)).tw.
45 amentia.tw.
46 (SPLD or PMLD).tw.
47 idioc*.tw.
48 Attention Deficit Disorder with Hyperactivity/
49 (attenti* adj4 deficit* adj4 disorder*).tw.
50 (ADHD or ADDH).tw.
51 (hyperkinetic adj4 syndrome).tw.
52 (minimal* adj4 brain* adj4 disorder*).tw.
53 or/21-52
54 20 and 53
55 Huntington Disease/
56 (huntington* or chorea).tw.
57 Neurosyphilis/
58 (neurosyphilis or neurosyphillis or neuroles).tw.
59 (nervous adj4 (syphilis or syphillis)).tw.
60 (tabes adj4 dorsalis).tw.
61 (((frontotemporal or (fronto adj temporal) or (corticobasal or (cortico adj basal) or (frontal adj lobe))) adj4 (degenerati* or dysfunction)) or ftld or ftlds or ftd or ftds).tw.
62 ((general or juvenile) adj4 (paralys* or pareses or paresis)).tw.
63 ((syphilis or syphillis) adj4 CNS).tw.
64 ((syphilis or syphillis) adj4 (Central adj4 nervous adj4 System)).tw.
65 (CADASIL or (cerebral adj4 autosomal adj4 dominant adj4 arteriopath* adj4 subcortical* adj4 infarct* adj4 leukoencephalopath*)).tw. (
66 exp Dementia, Vascular/
67 ((vascular or arteriosclerot* or multi-infarct* or multiinfarct* or multi infarct*) adj4 dementia*).tw.
68 ((binswanger* or (subcortic* or "sub cortic*" or arterisclerotic)) adj4 (encephalopath* or leukoencephalopath*)).tw.
69 (vascular adj4 cognitive adj4 impair* adj4 (disease* or disorder*)).tw.
70 vcid*.tw.
71 or/55-70
72 Parkinson Disease/
73 (Parkinson* or paralysis agitan* or shaking pals* or hypokinetic rigid syndrome*).tw.
74 (PD or HRS).tw.
75 exp syphilis/
76 (chancres* or syphil*).tw.
77 or/72-76
78 20 and 77
79 54 or 71 or 78
80 (sensitiv: or predictive value:).mp. or accurac:.tw.
81 (2006* or 2007* or 2008* or 2009* or 201*).ed.
82 79 and 80 and 81
83 animals/ not humans/
84 82 not 83 (2445)
85 limit 84 to english language
```

D.2.14 Search strategy review questions 22 and 23

RQ22: Are there effective methods for assessing intercurrent illness in people living with dementia that are different from those already in use for people who do not have dementia?

RQ23: Are there effective methods for treating intercurrent illness in people living with dementia that are different from those already in use for people who do not have dementia?

Table 16: search strategy RQ 22 and 23 intervention terms

Medline Strategy, searched 18th February 2016	
Database: Ovid MEDLINE(R) 1946 to February Week 2 2016	
Search Strategy:	
21	Acute Disease/
22	((intercurrent or additional or acute) adj4 (illness* or disease* or condition* or disorder* or infect*)).tw.
23	Accidental Falls/
24	fall*.tw.
25	exp Pneumonia/
26	(pneumoni* or pneumono* or bronchopneumonia * or pleuropneumoni* or lobitis or peripneumonia*).tw.
27	((lung* or pulmonary) adj4 (inflam* or infiltrat*)).tw.
28	(acid adj4 aspiration).tw.
29	(mendelson* adj syndrome*).tw. (
30	exp Urinary Tract Infections/
31	((urin* or genitourin* or urogenit* or water*) adj4 infect*).tw.
32	(bacteriuria* or pyuria* or urosepsis).tw.
33	(uti or utis).tw.
34	exp Confusion/
35	(deliri* or confus* or disorientat* or bewilder*).tw.
36	exp Pain/
37	(pain* or ache* or aching*).tw.
38	exp Respiratory Tract Infections/
39	(infect* adj4 (respirat* or airway* or bronchopulmonary or pulmonary)).tw.
40	(rti or rtis).tw.
41	(empyema* adj4 (thoracic or pleural or tuberculous)).tw.
42	(Pyrothorax or "whooping cough" or pertuss*).tw.
43	Diphtheria/
44	diphther*.tw.
45	Influenza, Human/
46	(influenza* or flu or grippe).tw.
47	Fecal Incontinence/ or exp Urinary Incontinence/
48	((urin* or fec* or faec*) adj4 (leak* or we* or seep* or soil*)).tw.
49	incontinen*.tw.
50	exp Deglutition Disorders/
51	((deglutition or swallow*) adj4 (disorder* or difficult*)).tw.
52	(dysphagia* or aphagopraxia).tw.
53	((esophag* or oesophag*) adj4 (disorder* or dysmotilit* or motil* or nutcracker or spasm* or reflux)).tw.
54	((reflux adj4 gastr*) or gerd or gord).tw.
55	((plummer* or kelly* or patterson*) adj4 syndrome*).tw.
56	or/21-55
57	Geriatric Assessment/
58	(assess* or evaluat* or algorithm*).tw.
59	(early warning* adj4 (system* or scor* or scale* or sign* or alert* or tool*)).tw.
60	(track adj4 trigger).tw.
61	(observation or observations or observing).tw.
62	or/57-61
63	exp Anti-Bacterial Agents/
64	(antibiotic* or bacteriocid*).tw.
65	((anti-bacterial or antibacterial or anti-mycobacterial or antimycobacterial) adj4 agent*).tw.
66	exp Nutritional Support/
67	(artificial adj4 (feed* or nutrition*)).tw.
68	(support* adj4 nutrition*).tw.
69	((enteral or parenteral) adj4 (nutrition* or feed*)).tw.
70	(feed* adj4 (tube* or intravenous*)).tw.
71	exp Self Care/
72	(self adj4 (care or manage* or monitor* or medicat* or treat*)).tw.
73	exp Therapeutics/

Medline Strategy, searched 18th February 2016
Database: Ovid MEDLINE(R) 1946 to February Week 2 2016
Search Strategy:

74 (therapy or therapies or therapeutic*).tw.
75 exp Disease Management/
76 (manage or managing or management or treat*).tw.
77 exp Rehabilitation/
78 (rehabilit* or habiliat* or reable* or re-able* or readapt* or readjust*).tw. (110554)
79 or/63-78
80 20 and 56 and 62
81 20 and 56 and 79
82 80 or 81
83 limit 82 to english language

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.15 Search strategy review question 24

RQ24: What are the optimal management strategies (including treatments) for people with dementia with co-existing physical long term conditions?

Table 17: search strategy RQ24 intervention terms

Medline Strategy, searched 14th April 2016
Database: Ovid MEDLINE(R) 1946 to April Week 1 2016
Search Strategy:

21 Chronic Disease/
22 (chronic* adj2 (disease* or ill*)).tw.
23 Comorbidity/
24 (comorbid* or co morbid* or co-morbid* or multimorbid* or multi morbid* or multi-morbid*).tw.
25 ((long term or co-exist* or coexist* or exist* or coincidental or co-incidental or co incidental or additional) adj4 (disease* or illness* or condition*)).tw.
26 (((morbid* or disease or illness) adj4 burden) or patient complexity or multiple patholog*).tw.
27 exp Hypertension/
28 hypertensi*.tw.
29 (blood pressure* adj4 (high or raise* or elevat* or increas*)).tw.
30 exp Diabetes Mellitus/
31 (diabet* or prediabet*).tw.
32 exp Anticoagulants/
33 (anticoagula* or anti coagula* or antithrombin*).tw.
34 ((thrombin or factor x*) adj4 inhibitor*).tw.
35 exp Sensation Disorders/
36 ((sensation* or sense* or sensor*) adj4 (disorder* or impair* or defect* or depriv* or disabilit* or dysfunction*)).tw.
37 ((hearing or vision or visual* or sight or taste* or olfaction) adj4 (disorder* or distort* or impair* or loss or defect* or low or disabilit*)).tw.
38 (blind* or deaf* or dizziness).tw.
39 or/21-38
40 exp Self Care/
41 (self adj4 (care or manage* or monitor* or medicat* or treat*)).tw.
42 exp Therapeutics/
43 (therapy or therapies or therapeutic*).tw.
44 exp Disease Management/
45 (manage or managing or management or treat*).tw.
46 exp Rehabilitation/
47 (rehabilit* or habiliat* or reable* or re-able* or readapt* or readjust*).tw.
48 or/40-47
49 20 and 39 and 48

Medline Strategy, searched 14th April 2016
Database: Ovid MEDLINE(R) 1946 to April Week 1 2016
Search Strategy:
50 limit 49 to English language

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.16 Search strategy review question 25

RQ25: What are the optimal management strategies (including treatments) for people with dementia and an enduring mental health condition?

Table 18: search strategy RQ25 intervention terms

Medline Strategy, searched 1st June 2016
Database: Ovid MEDLINE(R) 1946 to May Week 3 2016
Search Strategy:

21 exp Anxiety Disorders/
22 (anxiet* or neuros?s or neurotic or psychoneurosis or phobia* or phobic).tw.
23 (neurocirculat* adj1 (asthenia or dystonia)).tw.
24 (effort adj1 syndrome*).tw.
25 (hyperkinetic adj1 heart).tw.
26 (cardioneurosis or cardiophobia).tw.
27 Da Costa syndrome.tw.
28 (functional heart complaint or neurogenic heart or soldier heart).tw.
29 catastrophi*.tw.
30 (koro or cothymia).tw.
31 (obsessi* adj1 compulsi*).tw.
32 (obsessive syndrome* or ocd).tw.
33 (anakastic adj1 personalit*).tw.
34 (compulsi* adj1 behavi*).tw.
35 (repetit* adj1 (behavi* or compulsi*)).tw.
36 hoard*.tw.
37 (panic adj2 (attack* or disorder*)).tw.
38 (agorophobi* or claustrophobi* or neophobi*).tw.
39 (stress adj1 (disorder* or traumatic)).tw.
40 psychastheria.tw.
41 (combat adj1 (disorder* or fatigue or stress)).tw.
42 (((post-traumatic or posttraumatic) adj1 (stress or psychosis or syndrome*)) or ptsd).tw.
43 (astheni* adj1 (neuros?s or syndrome*)).tw.
44 exp Depressive Disorder/ or Depression/
45 (depress* or melanchol* or paraphreni* or dysthmi* or dys?ori*).tw.
46 (seasonal adj2 disorder*).tw.
47 unipolar disorder*.tw.
48 ((mourning or perry*) adj1 syndrome*).tw.
49 exp "schizophrenia spectrum and other psychotic disorders"/
50 (psychotic* or psychos?s or encephalopsychos?s).tw.
51 (affective adj2 disorder*).tw.
52 (capgras adj1 syndrome*).tw.
53 korsakoff.tw.
54 delusion*.tw.
55 paranoi*.tw.
56 (psychogenic adj2 parasitos?s).tw.
57 morgellon*.tw.
58 (schizo affective or schizo affective).tw.
59 (persecution adj1 complex*).tw.

Medline Strategy, searched 1st June 2016
Database: Ovid MEDLINE(R) 1946 to May Week 3 2016
Search Strategy:

60 (persecutory adj1 idea*).tw.
61 (hallucin* or acouasm* or charles bonnet* or phantasmia or fata morgana).tw.
62 megalomania*.tw.
63 (((morbid or pathologic*) adj1 jealousy) or othello syndrome*).tw.
64 (schizophreni* or hebephreni*).tw.
65 ("folie a deux" or " folie a trois" or "folie a famille").tw.
66 ((negative or positive or defecit) adj1 (syndrome* or symptom*)).tw.
67 Bipolar Disorder/
68 (bipolar or manic or mania* or cyclophreni* or cyclothymic or "rapid cycling mood disorder").tw.
69 exp Substance-Related Disorders/
70 ((abuse* or misuse or use* or dependen* or disorder* or habit*or problem* or experiment* or taking or take*) adj4 (substance* or drug* or alcohol* or amphetamine* or methamphetamine* or cocaine or inhalant* or glue or cannabis or mari?uana or hashish or narcotic* or opiate* or opioid* or phencyclidine or "angel dust" or pcd or morphine or opium or heroin or analgesic* or benzodiazepine)).tw.
71 (glue adj1 sniff*).tw.
72 (alcoholic or alcoholism).tw.
73 wernicke*.tw.
74 (cerebral adj1 beriberi).tw.
75 toxicomania.tw.
76 exp Personality Disorders/
77 (personalit* adj2 (disorder* or disturbance* or change or "as if" or avoidant or impuls* or inadequate or narcissistic or antisocial or borderline or compulsive or obsessive or dependent or histrionic or negativistic or passive or "passive aggressive" or schizotypal)).tw.
78 (behavio* adj4 dyssocial).tw.
79 (hysteria or hysterical).tw.
80 (social adj2 (disorder* or disease* or pathology)).tw.
81 sociopath*.tw.
82 (character adj2 (deviation* or disturbance*or neuros?s or problem or disorder*)).tw.
83 (obsess* adj4 trait).tw.
84 ("diogenes syndrome*" or "senile squalor syndrome*" or "social breakdown syndrome*").tw.
85 (narcism or "self love").tw.
86 (psychopath* or neuropsychopath).tw.
87 (schizoid* or schizothym*).tw.
88 or/21-87
89 exp Self Care/
90 (self adj4 (care or manage* or monitor* or medicat* or treat*)).tw.
91 exp Therapeutics/
92 (therapy or therapies or therapeutic*).tw.
93 exp Disease Management/
94 (manage or managing or management or treat*).tw
95 exp Rehabilitation/
96 (rehabilit* or habiliat* or reable* or re-able* or readapt* or readjust*).tw.
97 or/89-96
98 20 and 88 and 97
99 limit 98 to English language

Note: RCT, systematic review and observational study filters appended to strategy.

D.2.17 Search strategy review question 26

RQ26: What effect does modifying risk factors have on slowing the progression of dementia?

Date limits were applied as this topic was reviewed in the previous guideline.

Table 19: search strategy RQ26 intervention terms

Medline Strategy, searched 16 th February 2017	
Database: Ovid MEDLINE(R) 1946 to February Week 1 2017	
Search Strategy:	
21	alcohol abstinence/ or alcohol drinking/ or binge drinking/ or alcoholic intoxication/ or alcoholism/
22	Temperance/
23	((alcohol* or drink*) adj4 (consum* or abstinence or abstain* or abstention* or binge)).tw.)
24	(temperance* or sobriety).tw.
25	Smoking/
26	"tobacco use cessation"/ or smoking cessation/ or vaping/
27	tobacco products/ or tobacco, smokeless/ or "tobacco use cessation products"/ or electronic cigarettes/
28	(smok* or tobacco or vap* or cigar*).tw.
29	exp Overweight/
30	body mass index/
31	(obes* or overweight).tw.
32	((body or quetelet*) adj4 index) or bmi).tw.
33	exp Body Weight changes/
34	(weight adj4 (los* or reduc* or gain* or increas* or put on or decreas* or lower*)).tw.
35	exp Exercise/
36	physical exertion/ or physical fitness/
37	Sedentary Lifestyle/
38	(Physical* adj4 (exert* or effort* or fit* or activ*)).tw.
39	(exercise or sedentary or inactiv*).tw.
40	exp Diabetes Mellitus/
41	diabet*.tw.
42	exp Hypertension/
43	(hypertensi* or (blood adj4 pressure)).tw.
44	exp Hypercholesterolemia/
45	((high or elevat* or raise*) adj4 cholesterol).tw.
46	Hypercholesterolemia*.tw.
47	exp Diet/
48	exp beverages/ or exp food/
49	(diet* or food* or drink* or beverage*).tw.
50	exp Anti-Inflammatory Agents, Non-Steroidal/
51	((non steroidal or nonsteroidal or non-steroidal or anti rheumatic or anti-rheumatic or antirheumatic) adj4 (agent* or drug* or anti inflammatory or anti-inflammatory or antiinflammatory)).tw.
52	(analgesic* adj4 (anti inflammatory or anti-inflammatory or antiinflammatory)).tw.
53	(nsaid* or aspirin).tw.
54	exp Antipsychotic Agents/
55	(antipsychotic* or neuroleptic* or tranquil*).tw.
56	or/21-55
57	disease progression/
58	Disease management/
59	((disease* or syndrome* or illness* or condition*) adj4 (slow* or reduc* or exacerbat* or progress* or delay* or modif* or increas* or decreas* or manag* or control* or worsen* or deteriorat*)).tw.
60	prognosis.sh. or prognos*.tw.
61	or/57-60
62	20 and 56 and 61
63	(2006* or 2007* or 2008* or 2009* or 2010* or 2011* or 2012* or 2013* or 2014* or 2015* or 2016* or 2017*).ed.
64	62 and 63
65	limit 64 to english language

Note: RCT systematic review and observational study filters appended to strategy.

D.2.18 Search strategy review question 27

RQ27: How effective are cholinesterase inhibitors and memantine for types of dementia other than typical Alzheimer's disease?

The population was adjusted for this search this question concerns people with dementia other than typical Alzheimer's disease.

Table 20: Search strategy RQ27

Medline Strategy, searched 30 th June 2016	
Database: Ovid MEDLINE(R) 1946 to June week 4 2016	
Search Strategy:	
1	aids dementia complex/ or aphasia, primary progressive/ or primary progressive nonfluent aphasia/ or creutzfeldt-jakob syndrome/ or dementia, vascular/ or cadasil/ or dementia, multi-infarct/ or diffuse neurofibrillary tangles with calcification/ or frontotemporal lobar degeneration/ or frontotemporal dementia/ or huntington disease/ or kluver-bucy syndrome/ or "diffuse cerebral sclerosis of schilder"/
2	(dementia* adj4 vascular).tw.
3	((encephalopath* or cogniti* or neurocogniti*) adj4 (aids or hiv)).tw.
4	((aphasi* adj4 (primary or progress*)) or mesulam* or ppa or (ftd adj4 temporal)).tw.
5	((creutzfeldt or ja?ob*) adj4 (disease or syndrome)) or cjd or (spongiform adj4 encephalopath*) or "corticostriatospinal degeneration" or (pseudosclerosis adj4 spastic)).tw.
6	(binswanger* or ((subcortic* or "sub cortic*" or arterisclerotic) adj4 (encephalopath* or leukoencephalopath*)) or cadasil*).tw.
7	((kosaka adj2 shibayama) or (neurofibrillary adj1 tangle*) or dntc).tw.
8	((frontotemporal or (fronto adj temporal) or (corticobasal or (cortico adj basal) or (frontal adj lobe))) adj4 (degenerati* or dysfunction)) or ftld or ftlds or ftd or ftlds).tw.
9	((pick* adj1 (complex or disease* or syndrome)) or (wilhemsen adj1 lynch) or ddpac or (lob* adj4 atroph*)).tw.
10	(huntington* or ((progressive or major or juvenile or hereditary) adj4 chorea)).tw.
11	((kluver or kluever) adj4 bu?y) or (("temporal lobectomy" adj4 behavi*) or ("temporal lobe" adj4 dysfunction)).tw.
12	("senile confusion" or "senile psychosis" or senilit*).tw.
13	Tauopathies/
14	tauopath*.tw.
15	cerad.tw.
16	(Posterior adj cortic* adj atroph*).tw.
17	sivd.tw.
18	or/1-17
19	exp cholinesterase inhibitors/
20	((Cholinesterase* or acetylcholinesterase*) adj2 (inhibitor* or block*)).tw.
21	(ChEI* or AChEI*).tw.
22	(donepezil or aricept* or asenta or eranz or memac or memorit).tw.
23	Galantamine/
24	(galantamin* or reminy!* or lycoremin* or galanthamine or nivalin* or razadyne or jilkon).tw.
25	(rivastigmin* or exelon* or nimvastid or prometax).tw.
26	memantine/
27	(memantin* or axura or namenda or ebix* or maruxa* or nemdatine* or akatinol).tw.
28	or/19-27
29	18 and 28
30	animals/ not humans/
31	29 not 30
32	limit 31 to english language

Note: RCT, systematic review and observational study filters appended to strategy

D.2.19 Search strategy review questions 28 29 and 30

RQ28: What are the most effective non-pharmacological interventions for supporting cognitive functioning in people living with dementia?

RQ29: What are the most effective non-pharmacological interventions for supporting functional ability in people living with dementia?

RQ30: What are the most effective non-pharmacological interventions to support wellbeing in people living with dementia?

Date limits were applied as this topic was reviewed in the previous guideline. SIGN RCT and systematic review study filters were used with this strategy to manage retrieval as they are more specific than the NICE filters.

Table 21: Search strategy RQ28 29 and 30 intervention terms

Medline Strategy, searched 11th November 2016	
Database: Ovid MEDLINE(R) 1946 to November week 1 2016	
Search Strategy:	
21	((Non-pharma* or non pharma*) adj2 (intervent* or therap* or treat* or stimulat* or aid* or techni* or program* or care)).tw.
22	exp Sensory Art Therapies/
23	Complementary Therapies/
24	Counseling/
25	psychotherapy/ or aromatherapy/ or art therapy/ or color therapy/ or dance therapy/ or "imagery (psychotherapy)"/ or music therapy/ or narrative therapy/ or play therapy/ (59799)
26	((Sensor* or multisensor* or complement* or alternat* or music* or sound* or acoustic* or audi* or dance* or dancing or play* or art* or touch* or literat* or read* or narrative* or visual* or vision* or light* or colour* or color* or environment* or massage* or aroma* or dawn* or sunshine or sunlight or counsel*) adj1 (intervent* or therap* or stimulat* or aid* or techni* or train* or treat* or counsel* or program*)).tw.
27	(snoezelen* or "senso* environment*" or "senso* room*" or MSE).tw.
28	(Psychotherap* or psycho-therap* or psychoeducat* or psycho-educat*).tw.
29	(Aromatherap* or chromatotherap*).tw.
30	Massage/ or Oils, Volatile/
31	((Essential or volatile or fragrant) adj1 oil*).tw.
32	exp Cognitive Therapy/ or behavior therapy/
33	((Cognitive* or cognition* or behaviour* or behavior* or individual*) adj2 (intervent* or therap* or stimulat* or aid* or techni* or train* or skill* or rehab* or treat* or counsel*)).tw.
34	CBT.tw.
35	Holistic Health/
36	((Validat* or holistic*) adj1 (therap* or method* or techni* or treat* or train* or intervent* or program* or care)).tw.
37	(Memory adj2 (function* or rehab* or therap* or aid* or group* or train* or retraining or support* or stimulation or strateg* or management or managing)).tw.
38	(Reality adj2 orientation).tw.
39	Reminiscence*.tw.
40	Occupational Therapy/
41	((Occupation* or Occ) adj2 (therap* or treat* or care* or medicine*)).tw.
42	(OT or ergotherap*).tw.
43	language therapy/ or speech therapy/
44	((Speech or talk* or language*) adj2 (intervent* or therap* or stimulat* or aid* or techni* or train* or treat* or counsel* or method* or program*)).tw.
45	"Activities of Daily Living"/
46	(Daily adj2 (life or living) adj2 activi*).tw.
47	ADL.tw.
48	exp *Exercise Therapy/
49	((Exercis* or kinesiotherap* or kinesiolo* or physical* or sport*) adj1 (therap* or treat* or intervent* or medicin* or educat*)).tw.
50	((walk* or swim* or jog* or cycling or bicycl* or treadmill* or gym*) adj1 (therap* or treat* or intervent* or medicin* or educat*)).tw.
51	((Aerobic or yoga or pilates or tai chi or tai-chi or taichi or tai ji or tai-ji or taiji or qi gong or qigong or qi-gong or chi kung or ch i-kung or chikung or ch-i-kung) adj1 (therap* or treat* or intervent* or medicin* or educat*)).tw.
52	(Wii fit or Kinect).tw.

Medline Strategy, searched 11th November 2016

Database: Ovid MEDLINE(R) 1946 to November week 1 2016

Search Strategy:

- 53 Animal Assisted Therapy/
- 54 ((Animal* or pet or pets or dog or dogs or cat or cats*) adj2 (therap* or treat* or intervent*)).tw.
- 55 *Patient Education as Topic/
- 56 *Social Support/
- 57 Self-Help Groups/
- 58 Self Care/
- 59 ((Selfhelp\$ or self-help\$ or self help\$ or selfcar\$ or self-car\$ or self car\$ or self-manag\$ or self manag\$ or support\$) adj2 (group\$ or car\$)).tw.
- 60 ((patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$ or consumer\$) adj2 (advis\$ or advice\$ or counsel\$ or educat\$ or communicat\$ or informat\$ or learn\$ or lesson\$ or librar\$ or material\$ or need\$ or promot\$ or resource\$ or selfhelp\$ or self-help\$ or self help\$ or selfcar\$ or self-car\$ or self car\$ or self-manag\$ or self manag\$ or support\$ or teach\$ or tool\$ or train\$ or tutorial\$)).ti.
- 61 exp Internet/
- 62 Social Networking/
- 63 Electronic mail/
- 64 Text messaging/
- 65 Hotlines/
- 66 Patient Education Handout/
- 67 Pamphlets/
- 68 ((app or apps or blog* or email* or e-mail* or e mail* or facebook or forum* or podcast* or social media or social network* or sms or text messag* or twitter or tweet* or video* or web* or smartphone* or smart phone* or tablet* or iPad* or iPhone* or Skype* or FaceTime*) adj2 (dementi* or pseudodementia or alzheimer* or alzeimer*)).tw.
- 69 Bibliotherapy/
- 70 bibliotherap\$.tw.
- 71 ((book\$ or information\$) adj2 prescription\$).ti.
- 72 Self-Help Devices/
- 73 ((Assistive* or automat* or medicine or medication or locate* or track* or move* or alarm* or safe or safer or safety or communit* or shut-off or switch-off) adj2 (technolog* or device* or system* or prompt* or remind* or monitor* or detect* or sensor* or dispenser* or aid or aids or solution* or multicomponent*)).tw.
- 74 (Clock* or calendar* or noticeboard* or notice board* or notices or sticky note* or post-it-note* or dossette box* or blister pack*).tw.
- 75 (telecare* or remote monitor* or video confer* or phone block*).tw.
- 76 (panic adj2 (button* or switch* or alarm*)).tw.
- 77 ((Environment* or home* or house* of flat* or apartment* or cottage* or bungalow*) adj2 (modificat* or alter* or adjust* or adapt* or revise*)).tw.
- 78 ((light* adj2 tim*) or water isolation device* or special plugs* or fall sensor*).tw.
- 79 *Communication/
- 80 (Communicat* adj2 (train* or aid* or aids) or technolog* or device* or system* or prompt* or remind*).tw.
- 81 ((Adapt* adj2 phone*) or cue card* or talk* mat*).tw.
- 82 exp Phototherapy/
- 83 (photo or photos or photograph or photographs or picture* or puzzle* or game* or "sensor stimulat*" or "mental* stimulat*" or "brain train").tw.
- 84 ((Multicomponent* or multi-component* or multifacet* or multi-facet*) adj2 (intervention* or education* or support* or car* or information*)).tw.
- 85 Case Management/
- 86 ("case manage*" or "care manage").tw.
- 87 *Life Change Events/
- 88 ("life review*" or "life event*" or "life stor* book*").tw.
- 89 exp Vitamins/
- 90 (Vitamin* supplement* or herbal* remed*).tw.
- 91 (Diet* adj2 manage*).tw.
- 92 Souvenaid*.tw.
- 93 or/21-92

Medline Strategy, searched 11th November 2016
Database: Ovid MEDLINE(R) 1946 to November week 1 2016
Search Strategy:

94 20 and 93
95 Meta-Analysis as Topic/
96 meta analy\$.tw.
97 metaanaly\$.tw.
98 Meta-Analysis/
99 (systematic adj (review\$1 or overview\$1)).tw.
100 exp Review Literature as Topic/
101 or/95-100
102 cochrane.ab.
103 embase.ab.
104 (psychlit or psyclit).ab.
105 (psychinfo or psycinfo).ab.
106 (cinahl or cinhal).ab.
107 science citation index.ab.
108 bids.ab.
109 cancerlit.ab.
110 or/102-109
111 reference list\$.ab.
112 bibliograph\$.ab.
113 hand-search\$.ab.
114 relevant journals.ab.
115 manual search\$.ab.
116 or/111-115
117 selection criteria.ab.
118 data extraction.ab.
119 117 or 118
120 Review/
121 119 and 120
122 101 or 110 or 116 or 121
123 Comment/ or Letter/ or Editorial/
124 122 not 123
125 94 and 124
126 Animals/ not Humans/
127 125 not 126
128 Randomized Controlled Trials as Topic/
129 randomized controlled trial/
130 Random Allocation/
131 Double Blind Method/
132 Single Blind Method/
133 clinical trial/
134 clinical trial, phase i.pt.
135 clinical trial, phase ii.pt.
136 clinical trial, phase iii.pt.
137 clinical trial, phase iv.pt.
138 controlled clinical trial.pt.
139 randomized controlled trial.pt.
140 multicenter study.pt.
141 clinical trial.pt.
142 exp Clinical Trials as topic/
143 or/128-142
144 (clinical adj trial\$.tw.
145 ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw.
146 PLACEBOS/
147 placebo\$.tw.
148 randomly allocated.tw.
149 (allocated adj2 random\$.tw.
150 or/144-149

Medline Strategy, searched 11th November 2016	
Database: Ovid MEDLINE(R) 1946 to November week 1 2016	
Search Strategy:	
151	143 or 150
152	case report.tw.
153	letter/ or historical article/
154	152 or 153
155	151 not 154
156	94 and 155
157	Animals/ not Humans/
158	156 not 157
159	(2006* or 2007* or 2008* or 2009* or 2010* or 2011* or 2012* or 2013* or 2014* or 2015* or 2016*).ed.
160	127 and 159
161	limit 160 to english language
162	158 and 159
163	limit 162 to english language

D.2.20 Search strategy review questions 31 and 32

RQ31: What are the most effective pharmacological interventions for managing illness emergent non-cognitive symptoms, such as psychosis, depression, behavioural changes in people living with dementia?

RQ32: What are the most effective non-pharmacological interventions for managing illness emergent non-cognitive symptoms, such as psychosis, depression, behavioural changes in people living with dementia?

Date limits were applied as this topic was reviewed in the previous guideline.

Table 22: Search strategy RQ 31 and 32 intervention terms

Medline Strategy, searched 19th October 2016	
Database: Ovid MEDLINE(R) 1946 to October Week 1 2016	
Search Strategy:	
21	exp Depressive Disorder/ or Depression/
22	(depress* or melanchol* or paraphreni* or dysthmi* or dys?ori*).tw.
23	(seasonal adj2 disorder*).tw.
24	unipolar disorder*.tw.
25	((mourning or perry*) adj1 syndrome*).tw.
26	exp "schizophrenia spectrum and other psychotic disorders"/
27	(psychotic* or psychos?s or encephalopsychos?s).tw.
28	(schizo affective or schizo affective).tw.
29	(schizophreni* or hebephreni*).tw.
30	exp Anxiety Disorders/
31	(anxi* or neuros?s or neurotic or psychoneurosis or phobia* or phobic).tw.
32	(neurocirculat* adj1 (asthenia or dystonia)).tw.
33	(effort adj1 syndrome*).tw.
34	(hyperkinetic adj1 heart).tw.
35	(cardioneurosis or cardiophobia).tw.
36	Da Costa syndrome*.tw.
37	(functional heart complaint or neurogenic heart or soldier heart).tw.
38	catastroph*.tw.
39	(koro or cothymia).tw.
40	(obsessi* adj1 compulsi*).tw.
41	(obsessive syndrome* or ocd).tw.
42	(anakastic adj1 personalit*).tw.
43	(compulsi* adj1 behavi*).tw.
44	(repetit* adj1 (behavi* or compulsi*)).tw.

Medline Strategy, searched 19th October 2016

Database: Ovid MEDLINE(R) 1946 to October Week 1 2016

Search Strategy:

45 hoard*.tw.
46 (panic adj2 (attack* or disorder*)).tw.
47 (agorophobi* or claustrophobi* or neophobi*).tw.
48 (stress adj1 (disorder* or traumatic)).tw.
49 psychastheria.tw.
50 Psychomotor agitation/ or Akathisia, Drug-Induced/
51 (agitat* or distress* or a?athisia or hyperactiv* or restless* or pseudoa?athisia or (psychomotor adj1 excitement)).tw.
52 exp Aggression/ or exp Violence/
53 (aggressi* or agonistic or antagonist* or hostil* or violent* or violence* or assault*).tw.
54 "Sleep Initiation and Maintenance Disorders"/
55 (insomnia* or dims or sleeplessness or agrypia or hyposomnia or (early adj1 awake*)).tw.
56 (sleep adj4 (disorder* or dysfunction* or condition* or complaint* or symptom*)).tw.
57 exp "Inhibition (Psychology)"/
58 (disinhibit* or uninhibit*).tw.
59 Sexual Behavior/
60 (sex* adj4 (inappropriate* or disinhibit* or inhibit*)).tw.
61 Anorexia Nervosa/ or Anorexia/
62 anorexi*.tw.
63 Delusions/
64 delusion*.tw.
65 Hallucinations/
66 hallucinati*.tw.
67 (hyporexi* or ((loss or reduc* or slow* or declin* or cease* or decrease* or fail* or weak* or deteriorat*) adj4 appetite*)).tw.
68 Apathy/
69 apath*.tw.
70 or/21-69
71 exp Antipsychotic Agents/
72 (antipsychotic* or neuroleptic* or tranquil*).tw.
73 exp cholinesterase inhibitors/
74 ((Cholinesterase* or acetylcholinesterase*) adj2 (inhibitor* or block*)).tw.
75 (ChEI* or AChEI*).tw.
76 (donepezil or aricept* or asenta or eranz or memac or memorit).tw.
77 Galantamine/
78 (galantamin* or reminy* or lycoremin* or galanthamine or nivalin* or razadyne or jilkon).tw.
79 (rivastigmin* or exelon* or nimvastid or prometax).tw.
80 memantine/
81 (memantin* or axura or namenda or ebix* or maruxa* or nemdatine* or akatinol).tw.
82 Carbamazepine/
83 (carbamazepine or amizepin* or carbazepine or epitol or finlepsin or neurtol or tegretol or carbatrol).tw.
84 Valproic Acid/
85 (valproic or valproate or convulsofin or depakote or convulex or depak?ne or "dipropyl acetate" or divalproex or ergenyl or "propylisopropylacetic acid" or vupral or depacon or epilim).tw.
86 Lithium Carbonate/ or Lithium/ or Lithium Compounds/ or Lithium Chloride/
87 (lithium or dilithium or eskalith* or lithane or lithobid or lithonate or lithotabs or micalith or priadel or quilinorm* or camcolit or liskonum or litarex or li-liquid).tw.
88 (lamotrigine or lamictal or labileno or lamepil or lamictin or lamodex or lamogine or lamotrix or neurium).tw.
89 (asenapine or sycrest or saphris).tw.
90 exp Antidepressive Agents/
91 (antidepress* or thymoanaleptic* or thymoleptic* or neurothymoleptic* or thymolytic*).tw.
92 exp Anti-Anxiety Agents/
93 (anti-anxiety or anti anxiety or antianxiety or anxiolytic* or antimanic* or antipsychotic* or ataractic).tw.
94 Propranolol/ (

Medline Strategy, searched 19th October 2016	
Database: Ovid MEDLINE(R) 1946 to October Week 1 2016	
Search Strategy:	
95	(propranolol or anaprilin* or avlocardyl or betraden or dexpropranolol or dociton or inderal or ob?idan or rexigen or hemangeol or angilol or syprol).tw.
96	exp "Hypnotics and Sedatives"/
97	(hypnotic* or sedative* or narcotic*).tw.
98	exp Therapeutics/
99	(therapy or therapies or therapeutic*).tw.
100	exp Disease Management/
101	(manage or managing or management or treat*).tw.
102	((pharmacological or non-pharmacological or non pharmacological) adj2 intervention*).tw.
103	exp Rehabilitation/
104	(rehabilit* or habiliat* or reable* or re-able* or readapt* or readjust*).tw.
105	or/71-104
106	20 and 70 and 105
107	(2006* or 2007* or 2008* or 2009* or 2010* or 2011* or 2012* or 2013* or 2014* or 2015* or 2016*).ed.
108	106 and 107
109	limit 108 to english language

Note: RCT and systematic review study filters appended to strategy

D.2.21 Search strategy review question 33

RQ33: How effective is the co-prescription of anticholinesterase inhibitors and memantine for the treatment of Alzheimer's disease?

The population was adjusted for this search as this question concerns Alzheimer's disease only.

Table 23: Search strategy RQ33

Medline Strategy, searched 16th March 2017	
Database: Ovid MEDLINE(R) 1946 to March Week 2 2017	
Search Strategy:	
1	Alzheimer Disease/
2	(alzheimer* or alzeimer* or (cortical adj4 sclerosis)).tw.
3	or/1-2
4	exp cholinesterase inhibitors/
5	((Cholinesterase* or acetylcholinesterase* or anticholinesterase*) adj2 (inhibitor* or block* or agent* or drug*)).tw.
6	(ChEI* or AChEI*).tw.
7	(donepezil or aricept* or asenta or eranz or memac or memorit).tw.
8	Galantamine/
9	(galantamin* or reminyll* or lycoremin* or galanthamine or nivalin* or razadyne or jilkon).tw.
10	(rivastigmin* or exelon* or nimvastid or prometax).tw.
11	or/4-10
12	memantine/
13	(memantin* or axura or namenda or ebix* or maruxa* or nemdatine* or akatinol).tw.
14	or/12-13
15	3 and 11 and 14
16	animals/ not humans/
17	15 not 16
18	limit 17 to English language

Note: RCT systematic review and observational study filters appended to strategy

D.2.22 Search strategy review question 34

RQ34: What are the most effective methods of case finding for people at high risk of dementia?

Table 24: Search strategy RQ34 intervention terms

Medline Strategy, searched 16 th January 2017	
Database: Ovid MEDLINE(R) 1946 to December Week 1 2016	
Search Strategy:	
21	Case Management/
22	Geriatric Assessment/mt [Methods]
23	(case* adj1 (find* or manag*)).tw.
24	(casefind* or casemanag*).tw.
25	Intelligence Tests/
26	((short* or brief or standard or mini or quick or concise or accept* or typical or regula*) adj4 (cognit* or single or batter* or intell* or mental*) adj4 (test* or instrument* or evaluat* or investigation* or question*)).tw.
27	((mini-mental state examination or MMSE) adj4 (screen* or identif* or risk* or find*)).tw.
28	(Cambridge cognition examination or CAMCOG).tw.
29	DemTect.tw.
30	6cit.tw.
31	((six or "6") adj1 item cognitive impairment test*).tw.
32	AD8.tw.
33	(Informant Questionnaire on Cognitive Decline in the Elderly or IQCODE).tw.
34	or/21-33
35	20 and 34
36	Animal/ not Human/
37	35 not 36
38	limit 37 to english language

Note: RCT, systematic review and observational study filters appended to strategy

D.2.23 Qualitative evidence search strategies

RQ 3: What barriers and facilitators have an impact on involving people living with dementia in decisions about their present and future care?

RQ4: What barriers and facilitators have an impact on how people living with dementia can make use of advance planning?

RQ6: How should health and social care be co-ordinated for people living with dementia?

RQ12: What effect does training for staff working with people living with dementia have upon the experiences of people living with dementia in their care?

RQ13: What are the specific needs of younger people living with dementia?

RQ14: What models of palliative care are effective for people with dementia?

To search bibliographic databases, study filters or terms designed to identify qualitative research and patient preferences were appended to the population terms. A filter designed by NICE to identify UK studies was used to prioritise evidence for sifting.

Table 25: Qualitative patient issues and UK geographic filters (Medline versions)

Qualitative, patient issues and UK geographic filters	
Qualitative	
1	Qualitative Research/
2	Nursing Methodology Research/
3	Interview.pt.
4	exp Interviews as Topic/
5	Questionnaires/
6	Narration/

Qualitative, patient issues and UK geographic filters	
7	Health Care Surveys/
8	(qualitative\$ or interview\$ or focus group\$ or questionnaire\$ or narrative\$ or narration\$ or survey\$).tw.
9	(ethno\$ or emic or etic or phenomenolog\$ or grounded theory or constant compar\$ or (thematic\$ adj4 analys\$) or theoretical sampl\$ or purposive sampl\$).tw.
10	(hermeneutic\$ or heidegger\$ or husser\$ or colaizzi\$ or van kaam\$ or van manen\$ or giorgi\$ or glaser\$ or strauss\$ or ricoeur\$ or spiegelberg\$ or merleau\$).tw.
11	(metasynthes\$ or meta-synthes\$ or metasummar\$ or meta-summar\$ or metastud\$ or meta-stud\$ or metathem\$ or meta-them\$).tw.
12	"critical interpretive syntheses*".tw.
13	(realist adj (review* or syntheses*)).tw.
14	(noblit and hare).tw.
15	(meta adj (method or triangulation)).tw.
16	(CERQUAL or CONQUAL).tw.
17	((thematic or framework) adj syntheses*).tw.
18	or/1-17
Patient preferences	
1	qualitative research/
2	nursing methodology research/
3	exp interviews as topic/
4	questionnaires/
5	narration/
6	health care surveys/
7	(qualitative\$ or interview\$ or focus group\$ or questionnaire\$ or narrative\$ or narration\$ or survey\$).tw.
8	(ethno\$ or emic or etic or phenomenolog\$ or grounded theory or constant compar\$ or (thematic\$ adj4 analys\$) or theoretical sampl\$ or purposive sampl\$).tw.
9	(hermeneutic\$ or heidegger\$ or husser\$ or colaizzi\$ or van kaam\$ or van manen\$ or giorgi\$ or glaser\$ or strauss\$ or ricoeur\$ or spiegelberg\$ or merleau\$).tw.
10	(metasynthes\$ or meta-synthes\$ or metasummar\$ or meta-summar\$ or metastud\$ or meta-stud\$ or metathem\$ or meta-them\$).tw.
11	"critical interpretive syntheses*".tw.
12	(realist adj (review* or syntheses*)).tw.
13	(noblit and hare).tw.
14	(meta adj (method or triangulation)).tw.
15	(CERQUAL or CONQUAL).tw.
16	((thematic or framework) adj syntheses*).tw.
17	or/1-16
18	exp Patients/px
19	exp Family/px
20	Caregivers/px
21	((patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or inpatient\$ or in-patient\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$ or mother\$ or father\$ or sibling\$ or sister\$ or brother\$) adj6 (experience\$ or belief\$ or stress\$ or emotion\$ or anx\$ or fear\$ or concern\$ or uncertain\$ or unsure or thought\$ or feeling\$ or felt\$ or view\$ or opinion\$ or perception\$ or perspective\$ or attitud\$ or satisfact\$ or know\$ or understand\$ or aware\$)).ti.
22	Stress, Psychological/
23	Adaptation, psychological/
24	emotions/
25	anxiety/
26	fear/
27	exp consumer satisfaction/

Qualitative, patient issues and UK geographic filters

- 28 patient* report* outcome*.tw.
- 29 or/18-28
- 30 exp patients/
- 31 exp family/
- 32 caregivers/
- 33 (patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or inpatient\$ or in-patient\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$ or mother\$ or father\$ or sibling\$ or sister\$ or brother\$).ti.
- 34 or/30-33
- 35 pamphlets/
- 36 needs assessment/
- 37 information centers/
- 38 information services/
- 39 health education/
- 40 information dissemination/
- 41 counseling/
- 42 social support/
- 43 self-help groups/
- 44 self care/
- 45 ((patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$) adj6 (educat\$ or informat\$ or communicat\$ or pamphlet\$ or handout\$ or hand-out\$ or hand out\$ or booklet\$ or leaflet\$ or support\$ or need\$ or advice\$ or advis\$)).ti.
- 46 ((patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$) adj6 (counsel\$ or selfhelp\$ or self-help\$ or self help\$ or selfcar\$ or self-car\$ or self car\$)).ti.
- 47 patient education as topic/
- 48 patient education handout/
- 49 consumer health information/
- 50 patient* diar*.tw.
- 51 or/35-50
- 52 34 and 51
- 53 17 or 29 or 52
- 54 animals/ not humans/
- 55 53 not 54
- 56 qualitative research/
- 57 nursing methodology research/
- 58 exp interviews as topic/
- 59 questionnaires/
- 60 narration/
- 61 health care surveys/
- 62 (qualitative\$ or interview\$ or focus group\$ or questionnaire\$ or narrative\$ or narration\$ or survey\$).tw.
- 63 (ethno\$ or emic or etic or phenomenolog\$ or grounded theory or constant compar\$ or (thematic\$ adj4 analys\$) or theoretical sampl\$ or purposive sampl\$).tw.
- 64 (hermeneutic\$ or heidegger\$ or husser\$ or colaizzi\$ or van kaam\$ or van manen\$ or giorgi\$ or glaser\$ or strauss\$ or ricoeur\$ or spiegelberg\$ or merleau\$).tw.
- 65 (metasynthes\$ or meta-synthes\$ or metasummar\$ or meta-summar\$ or metastud\$ or meta-stud\$ or metathem\$ or meta-them\$).tw.
- 66 "critical interpretive synthes*".tw.
- 67 (realist adj (review* or synthes*)).tw.
- 68 (noblit and hare).tw.

Qualitative, patient issues and UK geographic filters

- 69 (meta adj (method or triangulation)).tw.
- 70 (CERQUAL or CONQUAL).tw.
- 71 ((thematic or framework) adj synthes*).tw.
- 72 or/56-71
- 73 exp Patients/px
- 74 exp Family/px
- 75 Caregivers/px
- 76 ((patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or inpatient\$ or in-patient\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$ or mother\$ or father\$ or sibling\$ or sister\$ or brother\$) adj6 (experience\$ or belief\$ or stress\$ or emotion\$ or anx\$ or fear\$ or concern\$ or uncertain\$ or unsure or thought\$ or feeling\$ or felt\$ or view\$ or opinion\$ or perception\$ or perspective\$ or attitud\$ or satisfact\$ or know\$ or understand\$ or aware\$)).ti.
- 77 Stress, Psychological/
- 78 Adaptation, psychological/
- 79 emotions/
- 80 anxiety/
- 81 fear/
- 82 exp consumer satisfaction/
- 83 patient* report* outcome*.tw.
- 84 or/73-83
- 85 exp patients/
- 86 exp family/
- 87 caregivers/
- 88 (patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or inpatient\$ or in-patient\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$ or mother\$ or father\$ or sibling\$ or sister\$ or brother\$).ti.
- 89 or/85-88
- 90 pamphlets/
- 91 needs assessment/
- 92 information centers/
- 93 information services/
- 94 health education/
- 95 information dissemination/
- 96 counseling/
- 97 social support/
- 98 self-help groups/
- 99 self care/
- 100 ((patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$) adj6 (educat\$ or informat\$ or communicat\$ or pamphlet\$ or handout\$ or hand-out\$ or hand out\$ or booklet\$ or leaflet\$ or support\$ or need\$ or advice\$ or advis\$)).ti.
- 101 ((patient\$ or parent\$ or famil\$ or relative\$ or carer\$ or caregiver\$ or care-giver\$ or spous\$ or husband\$ or wife\$ or wive\$ or partner\$) adj6 (counsel\$ or selfhelp\$ or self-help\$ or self help\$ or selfcar\$ or self-car\$ or self car\$)).ti.
- 102 patient education as topic/
- 103 patient education handout/
- 104 consumer health information/
- 105 patient* diar*.tw.
- 106 or/90-105
- 107 89 and 106
- 108 72 or 84 or 107

Qualitative, patient issues and UK geographic filters
109 animals/ not humans/
110 108 not 109
UK geographic filters
1. exp United Kingdom/
2. (national health service* or nhs*).ti,ab,in.
3. (english not ((published or publication* or translat* or written or language* or speak* or literature or citation*) adj5 english)).ti,ab.
4. (gb or "g.b." or britain* or (british* not "british columbia") or uk or "u.k." or united kingdom* or (england* not "new england") or northern ireland* or northern irish* or scotland* or scottish* or ((wales or "south wales") not "new south wales") or welsh*).ti,ab,jw,in.
5. (bath or "bath's" or ((birmingham not alabama*) or ("birmingham's" not alabama*) or bradford or "bradford's" or brighton or "brighton's" or bristol or "bristol's" or carlisle* or "carlisle's" or (cambridge not (massachusetts* or boston* or harvard*)) or ("cambridge's" not (massachusetts* or boston* or harvard*)) or (canterbury not zealand*) or ("canterbury's" not zealand*) or chelmsford or "chelmsford's" or chester or "chester's" or chichester or "chichester's" or coventry or "coventry's" or derby or "derby's" or (durham not (carolina* or nc)) or ("durham's" not (carolina* or nc)) or ely or "ely's" or exeter or "exeter's" or gloucester or "gloucester's" or hereford or "hereford's" or hull or "hull's" or lancaster or "lancaster's" or leeds* or leicester or "leicester's" or (lincoln not nebraska*) or ("lincoln's" not nebraska*) or (liverpool not (new south wales* or nsw)) or ("liverpool's" not (new south wales* or nsw)) or ((london not (ontario* or ont or toronto*)) or ("london's" not (ontario* or ont or toronto*)) or manchester or "manchester's" or (newcastle not (new south wales* or nsw)) or ("newcastle's" not (new south wales* or nsw)) or norwich or "norwich's" or nottingham or "nottingham's" or oxford or "oxford's" or peterborough or "peterborough's" or plymouth or "plymouth's" or portsmouth or "portsmouth's" or preston or "preston's" or ripon or "ripon's" or salford or "salford's" or salisbury or "salisbury's" or sheffield or "sheffield's" or southampton or "southampton's" or st albans or stoke or "stoke's" or sunderland or "sunderland's" or truro or "truro's" or wakefield or "wakefield's" or wells or westminster or "westminster's" or winchester or "winchester's" or wolverhampton or "wolverhampton's" or (worcester not (massachusetts* or boston* or harvard*)) or ("worcester's" not (massachusetts* or boston* or harvard*)) or (york not ("new york*" or ny or ontario* or ont or toronto*)) or ("york's" not ("new york*" or ny or ontario* or ont or toronto*))))).ti,ab,in.
6. (bangor or "bangor's" or cardiff or "cardiff's" or newport or "newport's" or st asaph or "st asaph's" or st davids or swansea or "swansea's").ti,ab,in.
7. (aberdeen or "aberdeen's" or dundee or "dundee's" or edinburgh or "edinburgh's" or glasgow or "glasgow's" or inverness or (perth not australia*) or ("perth's" not australia*) or stirling or "stirling's").ti,ab,in.
8. (armagh or "armagh's" or belfast or "belfast's" or lisburn or "lisburn's" or londonderry or "londonderry's" or derry or "derry's" or newry or "newry's").ti,ab,in.
9. or/1-8
10. (exp africa/ or exp americas/ or exp antarctic regions/ or exp arctic regions/ or exp asia/ or exp oceania/) not (exp great britain/ or europe/)
11. 9 not 10

To further identify relevant evidence, a grey literature search was conducted in September 2016. Potentially relevant literature was identified by searching/browsing the following sources.

Table 26: Websites browsed and searched September 2016

Sources browsed and searched September 2016
Department of Health
NHS England
Public Health England
Scottish Government
Welsh Government
Department for Communities and Local Government
King's Fund
Social Care Institute for Excellence (SCIE)
British Medical Association

Sources browsed and searched September 2016

British Geriatrics Society
Association of Directors of Adult Social Services (ADASS)
Association of Public Health Observatories (Legacy site)
British Association of Social Workers (NB aggregator)
National Audit Office
Care Providers Alliance
Carers UK
Centre for Health and the Public Interest
EPPI-Centre
Institute for Public Policy Research
Joseph Rowntree Foundation
Local Government Association
Local Government Information Unit
Institute for Research and Innovation in Social Services
Nuffield Trust
Personal Services Social services Research Unit
Research Practice for adults
Skills for Care
Social Services Research Group
Think Local Act Personal
Age UK
Centre for Policy on Ageing/Ageinfo
Royal College of Nursing
Royal College of Psychiatrists
Royal College of Speech & language Therapists
College of Occupational Therapists
Abbeyfield Society
Action on Hearing Loss
Active Independence
Afiya Trust
Africa Advocacy Foundation
African Health Forum
Age Exchange
Age Related Diseases and Health Trust
Allied Health Professionals Federation
Alzheimer's Disease International
Alzheimer's Research UK
Anchor Trust
Association for Palliative Medicine of Great Britain
Marie Curie
Association of Chief Executives of Voluntary Organisations
Belong
Black Health Agency
Bournemouth University Dementia Institute
School of Dementia Studies Uni of Bradford
British Pain Society
British Psychological Society
British Red Cross
British Society for Gerodontology
Care & Repair England
Care and Social Services Inspectorate Wales
Care Council for Wales
Care England
Care Plus Group
Care Quality Commission
Care UK

Sources browsed and searched September 2016

Carers Together
Carers Trust
Centre for Public Scrutiny
Citizens Advice Bureau
Citizens Commission on Human Rights UK
CJD Support Network
Community Care Inform
Alzheimer's Society
Community Catalysts
Community & District Nursing Association
Community Links
Community Practitioners & Health Visitors Association
Volunteering Matters (formerly CSV)
Compassion in Dying
Complementary Health Professionals
Contented Dementia Trust
Creative Dementia Arts Network
Dementia & Neurodegenerative Diseases Research Network
Dementia Action Alliance
Dementia Care Matters
Dementia UK
Dementia Voices (DEEP)
Department of Work & Pensions
Department of Health (N Ireland)
Design Council
Disability Rights UK
Disabled Living
Disabled Living Foundation
Empowerment Matters
Equalities National Council
Equality and Human Rights Commission
Faculty of Public Health
Health & Care Professions Council
Health & Safety Executive
Health Protection Scotland
Health Research Authority
Healthcare Improvement Scotland
HQIP
Helpage International
Hindu council UK
Hospiscare
Independent Age
Industry Qualifications
Innovations in dementia
Institute of Ageing
International Longevity Centre
Jewish Care
Leonard Cheshire Disability
Lewy Body Society
LGBT Foundation
Mencap
Mental Health Foundation
Mental Health Nurses Association
Mental Health Providers Forum
Muslim Council of Great Britain
National Activity Providers Association

Sources browsed and searched September 2016

National Care Association
National Care Forum
National Council for Palliative Care
National Development team for Inclusion
NESTA
National Public Health Service for Wales
Skills for Care
Older Peoples Advocacy Alliance
Parkinson's UK
Patient Information Forum
People First
PSSRU Manchester
Race Equality Foundation
Registered Nursing Home Association
Research Institute for the Care of Older People
Thomas Pocklington Trust
Royal College of General Practitioners (and Wales)
Royal College of Physicians
Royal College of Physicians and Surgeons of Glasgow
Royal College of Psychiatrists in Scotland/Wales
Royal Society for Public Health
Centre for Mental health
SANE
Scottish directors of Public Health
Scottish health promotion Managers
Self Help Services
Self Management UK
Shaping Our Lives National User Network
Shared Lives Plus
Social Care association
Social Partnership Forum
Social Policy research Unit University of York
Social Science Unit Institute of Education
Society of Local Authority Chief Executives & Senior Managers
South Asian Health Foundation
Specialised Healthcare Alliance
Standing Commission on Carers
Stonewall
Sue Ryder
Sustrans
Dementia Training Company
Disabilities Trust
Fremantle `Trust
National Association of Care Catering
National LGBT Partnership
Patients Association
People Care Team
Together for Mental Wellbeing
UK Health Forum
United Kingdom Homecare Association
Vision 2020 UK
Voiceability
Voluntary Organisations Disability Group
Welsh Health Specialised Services Committee
Year of Care Partnerships
Your Life Your Way

Sources browsed and searched September 2016
Young Dementia UK
Dementia Diaries
Healthtalk Online
Rare dementia support
Carers Direct
Dementia Partnerships
Housing LIN
AT Dementia
Dementia Centre Univ of Stirling
Law Society
Financial Ombudsman
Health Education England
Association of Palliative Care Social Workers
Hospice UK
End of Life Care Coalition
All Parliamentary Research Group
My Home Life
Open Grey
Google and Google Scholar
Hand searching of the previous two years NICE Social Care current awareness bulletin

D.2.24 Review question considered as part of Parkinson’s disease in adults (2017) NICE guideline 71

What is the comparative effectiveness of donepezil, galantamine, memantine and rivastigmine for cognitive enhancement in dementia associated with Parkinson’s disease?

Table 27: Parkinson’s disease in adults RQ20

Medline Strategy, searched 29 th September 2015 Database: Ovid MEDLINE(R) 1946 to September Week 3 2015 Search Strategy:
1 Parkinson Disease/
2 parkinson*.tw.
3 Lewy Body Disease/
4 (Lewy adj2 bod* adj2 (disease* or dement* or diffuse*)).tw.
5 (PDD or DLB or DLBD or LBD).tw.
6 or/1-5
7 (Donepezil* or Aricept* or Asenta* or Eranz* or Memac* or Memorit*).tw.
8 Memantine/
9 (Memantin* or Maruxa* or Nemdatin* or Ebix* or Namenda* or Axura* or Akatinol*).tw.
10 Galantamine/
11 (Galantamin* or Reminyl* or Acumor* or Galsya* or Gatalin* or Lotprosin* or Lycoremin* or Nivalin* or Razadyne* or Jilkon* or Galanthamin*).tw.
12 (Rivastigmin* or Kerstipon* or Exelon* or Nimvastid* or Prometax*).tw.
13 Cholinesterase Inhibitors/
14 ((Cholinesterase* or acetylcholinesterase*) adj2 (inhibitor* or block*)).tw.
15 (ChEI* or AChEI*).tw.
16 or/7-15
17 6 and 16
18 animals/ not human/
19 17 not 18
20 Randomized Controlled Trial.pt.
21 Controlled Clinical Trial.pt.
22 Clinical Trial.pt.
23 exp Clinical Trials as Topic/
24 Placebos/
25 Random Allocation/

Medline Strategy, searched 29th September 2015

Database: Ovid MEDLINE(R) 1946 to September Week 3 2015

Search Strategy:

26 Double-Blind Method/
27 Single-Blind Method/
28 Cross-Over Studies/
29 ((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.
30 (random\$ adj3 allocat\$).tw.
31 placebo\$.tw.
32 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.
33 (crossover\$ or (cross adj over\$)).tw.
34 or/20-33
35 animals/ not humans/
36 34 not 35
37 Meta-Analysis.pt.
38 Meta-Analysis as Topic/
39 Review.pt.
40 exp Review Literature as Topic/
41 (metaanaly\$ or metanaly\$ or (meta adj3 analy\$)).tw.
42 review\$.ti.
43 (systematic\$ adj5 review\$).tw.
44 (quantitative\$ adj5 review\$).tw.
45 ((studies or trial\$) adj2 review\$).tw.
46 (integrat\$ adj3 (research or review\$ or literature)).tw.
47 (pool\$ adj2 (analy\$ or data)).tw.
48 (handsearch\$ or (hand adj3 search\$)).tw.
49 (manual\$ adj3 search\$).tw.
50 or/37-49
51 animals/ not human/
52 50 not 51
53 36 or 52
54 19 and 53
55 limit 54 to (ed=20050228-20150929 and english language)
Lewy Body Disease terms have been included in the population search string (lines 1-5) for this question. The systematic review filter (lines 37-49) was adjusted: overview and qualitative review terms were removed as these were listed in the protocol as excluded study designs.

D.3 Cochrane search strategies

D.3.1 Search Strategy review question 12

RQ12: What effect does training for staff working with people living with dementia have upon the experiences of people living with dementia in their care?

Quantitative evidence was identified from: Marcano Belisario JS, Tudor KI, Sumalinog ARN, Middleton LT, Car J. Educational interventions for improving the skills of medical practitioners to detect, diagnose, and manage people with cognitive impairment and dementia (Protocol). Cochrane Database of Systematic Reviews 2013, Issue 6. Art. No.: CD010580.

Table 28: search strategy for RQ12

Medline Strategy,

Search Strategy:

1. exp Dementia/
2. Delirium/
3. Wernicke Encephalopathy/

**Medline Strategy,
Search Strategy:**

4. Delirium, Dementia, Amnestic, Cognitive Disorders/
5. dement*.mp.
6. alzheimer*.mp.
7. (lewy* adj2 bod*).mp.
8. deliri*.mp.
9. (chronic adj2 cerebrovascular).mp.
10. ("organic brain disease" or "organic brain syndrome").mp.
11. ("normal pressure hydrocephalus" and "shunt*").mp.
12. "benign senescent forgetfulness".mp.
13. (cerebr* adj2 deteriorat*).mp.
14. (cerebral* adj2 insufficient*).mp.
15. (pick* adj2 disease).mp.
16. (creutzfeldt or jcd or cjd).mp.
17. huntington*.mp.
18. binswanger*.mp.
19. korsako*.mp.
20. or/1-19
21. "cognit* impair*".mp.
22. exp *Cognition Disorders/
23. MCI.ti,ab.
24. ACMI.ti,ab.
25. ARCD.ti,ab.
26. SMC.ti,ab.
27. CIND.ti,ab.
28. BSF.ti,ab.
29. AAMI.ti,ab.
30. MD.ti,ab.
31. LCD.ti,ab.
32. QD.ti,ab.
33. AACD.ti,ab.
34. MNCD.ti,ab.
35. MCD.ti,ab.
36. ("N-MCI" or "A-MCI" or "M-MCI").ti,ab.
37. ((cognit* or memory or cerebr* or mental*) adj3 (declin* or impair* or los* or deteriorat* or degenerat* or complain* or disturb* or disorder*)).ti,ab.
38. "preclinical AD".mp.
39. "pre-clinical AD".mp.
40. ("preclinical alzheimer*" or "pre-clinical alzheimer*").mp.
41. (aMCI or MCIa).ti,ab.
42. ("CDR 0.5" or "clinical dementia rating scale 0.5").ti,ab.
43. ("GDS 3" or "stage 3 GDS").ti,ab.
44. ("global deterioration scale" and "stage 3").mp.
45. "Benign senescent forgetfulness".ti,ab.
46. "mild neurocognit* disorder*".ti,ab.
47. (prodrom* adj2 dement*).ti,ab.
48. (episodic* adj2 memory).mp.
49. ("preclinical dementia" or "pre-clinical dementia").mp.
50. or/21-49
51. 20 or 50

**Medline Strategy,
Search Strategy:**

52. ((educat* or train* or teach*) adj3 (program* or intervention* or course* or workshop* or seminar*)).ti,ab.
53. Education, Medical/
54. Education, Medical, Continuing/
55. Teaching/
56. workshop*.ti,ab.
57. ("e-tutorial*" or "electronic tutorial*" or "web-based tutorial*").ti,ab.
58. (clinical adj3 guideline*).ti,ab.
59. ("decision-support software" or (decision adj3 (software or computer or web*))).ti,ab.
60. "group learning".ti,ab.
61. Computer-Assisted Instruction/mt, st [Methods, Standards]
62. Decision Support Techniques/
63. "self directed learning".ti,ab.
64. or/52-63
65. 51 and 64
66. randomized controlled trial.pt.
67. controlled clinical trial.pt.
68. randomi?ed.ab.
69. placebo.ab.
70. randomly.ab.
71. trial.ab.
72. groups.ab.
73. cluster*.ti,ab.
74. RCT.ti,ab.
75. or/66-74
76. (animals not (humans and animals)).sh.
77. 75 not 76
78. 65 and 77

D.3.2 Search strategy review question 14

RQ14: What models of palliative care are effective for people with dementia?

Quantitative evidence was identified from Murphy E, Froggatt K, Connolly S, O'Shea E, Sampson EL, Casey D, Devane D. Palliative care interventions in advanced dementia. Cochrane Database of Systematic Reviews 2016, Issue 12. Art. No.: CD011513

Table 29: search strategy for RQ14

**Medline Strategy, searched 30th January 2015
Search Strategy:**

1. exp Dementia/
2. Delirium/
3. Wernicke Encephalopathy/
4. Delirium, Dementia, Amnestic, Cognitive Disorders/
5. dement*.mp.
6. alzheimer*.mp.
7. (lewy* adj2 bod*).mp.
8. deliri*.mp.
9. (chronic adj2 cerebrovascular).mp.
10. ("organic brain disease" or "organic brain syndrome").mp.

Medline Strategy, searched 30th January 2015

Search Strategy:

11. ("normal pressure hydrocephalus" and "shunt*").mp.
12. "benign senescent forgetfulness".mp.
13. (cerebr* adj2 deteriorat*).mp.
14. (cerebral* adj2 insufficient*).mp.
15. (pick* adj2 disease).mp.
16. (creutzfeldt or jcd or cjd).mp.
17. huntington*.mp.
18. binswanger*.mp.
19. korsako*.mp.
20. or/1-19
21. exp Palliative Care/
22. "Hospice and Palliative Care Nursing"/
23. Terminal Care/
24. "end of life".ti,ab.
25. palliative.ti,ab.
26. (dying adj3 (care or comfort or relief or strateg* or plan or intervention or pain)).ti,ab.
27. "symptom control".ti,ab.
28. (bereavement adj2 support).ti,ab.
29. or/21-28
30. 20 and 29
31. randomized controlled trial.pt.
32. controlled clinical trial.pt.
33. random\$.ti,ab.
34. groups.ab.
35. drug therapy.fs.
36. placebo.ab.
37. rct.ti,ab.
38. or/31-37
39. 30 and 38

D.4 Study Design Filters

Table 30: study design filters

The MEDLINE SR, RCT and observational studies filters are presented below.

Systematic review

1. Meta-Analysis.pt.
2. Meta-Analysis as Topic/
3. Review.pt.
4. exp Review Literature as Topic/
5. (metaanaly\$ or metanaly\$ or (meta adj3 analy\$)).tw.
6. (review\$ or overview\$).ti.
7. (systematic\$ adj5 (review\$ or overview\$)).tw.
8. ((quantitative\$ or qualitative\$) adj5 (review\$ or overview\$)).tw.
9. ((studies or trial\$) adj2 (review\$ or overview\$)).tw.
10. (integrat\$ adj3 (research or review\$ or literature)).tw.
11. (pool\$ adj2 (analy\$ or data)).tw.
12. (handsearch\$ or (hand adj3 search\$)).tw.
13. (manual\$ adj3 search\$).tw.
14. or/1-13

The MEDLINE SR, RCT and observational studies filters are presented below.

15. animals/ not humans/

16. 14 not 15

RCT

1. Randomized Controlled Trial.pt.

2. Controlled Clinical Trial.pt.

3. Clinical Trial.pt.

4. exp Clinical Trials as Topic/

5. Placebos/

6. Random Allocation/

7. Double-Blind Method/

8. Single-Blind Method/

9. Cross-Over Studies/

10. ((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.

11. (random\$ adj3 allocat\$).tw.

12. placebo\$.tw.

13. ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.

14. (crossover\$ or (cross adj over\$)).tw.

15. or/1-14

16. animals/ not humans/

17. 15 not 16

Observational studies

1 Observational Studies as Topic/ (1963)

2 Observational Study/ (31665)

3 Epidemiologic Studies/ (7368)

4 exp Case-Control Studies/ (834658)

5 exp Cohort Studies/ (1624051)

6 Cross-Sectional Studies/ (235120)

7 Controlled Before-After Studies/ (220)

8 Historically Controlled Study/ (97)

9 Interrupted Time Series Analysis/ (245)

10 Comparative Study.pt. (1770070)

11 case control\$.tw. (90405)

12 case series.tw. (42728)

13 (cohort adj (study or studies)).tw. (111014)

14 cohort analy\$.tw. (4593)

15 (follow up adj (study or studies)).tw. (40037)

16 (observational adj (study or studies)).tw. (57432)

17 longitudinal.tw. (157923)

18 prospective.tw. (400420)

19 retrospective.tw. (324288)

20 cross sectional.tw. (201959)

21 or/1-20 (3732055)

D.5 Health economics search strategy

D.5.1 Economic evaluations and quality of life data

Sources searched to identify economic evaluations

- NHS Economic Evaluation Database – NHS EED (Wiley) last updated Dec 2014

- Health Technology Assessment Database – HTA (Wiley)
- Embase (Ovid)
- MEDLINE (Ovid)
- MEDLINE In-Process (Ovid)

Search filters to retrieve economic evaluations and quality of life papers were appended to the population and intervention terms to identify relevant evidence. Searches were not undertaken for qualitative RQs. For social care topic questions additional terms were added. Searches were re-run in September 2017 where the filters were added to the population terms.

Table 31: Economic evaluation quality of life filters and additional social care terms

Medline Strategy	
Economic evaluations	
1	Economics/
2	exp "Costs and Cost Analysis"/
3	Economics, Dental/
4	exp Economics, Hospital/
5	exp Economics, Medical/
6	Economics, Nursing/
7	Economics, Pharmaceutical/
8	Budgets/
9	exp Models, Economic/
10	Markov Chains/
11	Monte Carlo Method/
12	Decision Trees/
13	econom\$.tw.
14	cba.tw.
15	cea.tw.
16	cua.tw.
17	markov\$.tw.
18	(monte adj carlo).tw.
19	(decision adj3 (tree\$ or analys\$)).tw.
20	(cost or costs or costing\$ or costly or costed).tw.
21	(price\$ or pricing\$).tw.
22	budget\$.tw.
23	expenditure\$.tw.
24	(value adj3 (money or monetary)).tw.
25	(pharmacoeconomic\$ or (pharmaco adj economic\$)).tw.
26	or/1-25
Quality of life	
1	"Quality of Life"/
2	quality of life.tw.
3	"Value of Life"/
4	Quality-Adjusted Life Years/
5	quality adjusted life.tw.
6	(qaly\$ or qald\$ or qale\$ or qtime\$).tw.
7	disability adjusted life.tw.
8	daly\$.tw.
9	Health Status Indicators/

Medline Strategy

- 10 (sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or shortform thirty six or short form thirtysix or short form thirty six).tw.
- 11 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw.
- 12 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw.
- 13 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw.
- 14 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw.
- 15 (euroqol or euro qol or eq5d or eq 5d).tw.
- 16 (qol or hql or hqol or hrqol).tw.
- 17 (hye or hyes).tw.
- 18 health\$ year\$ equivalent\$.tw.
- 19 utilit\$.tw.
- 20 (hui or hui1 or hui2 or hui3).tw.
- 21 disutili\$.tw.
- 22 rosser.tw.
- 23 quality of wellbeing.tw.
- 24 quality of well-being.tw.
- 25 qwb.tw.
- 26 willingness to pay.tw.
- 27 standard gamble\$.tw.
- 28 time trade off.tw.
- 29 time tradeoff.tw.
- 30 tto.tw.
- 31 or/1-30

Additional social care terms

- 1 ((capabilit* or wellbeing or well-being) adj4 (measur* or instrument* or tool*)).tw.
- 2 (subjective wellbeing or subjective well-being).tw.
- 3 (ASCOT or "adult social care outcomes toolkit").tw.
- 4 (SCRQOL or "social care- related quality of life").tw.
- 5 "capacity to benefit score".tw.
- 6 (ICECAP* or "Icepap capability measure for adults" or "Icepap capability measure for older people" or "Icecap supportive care measure" or "Icecap close person measure").tw.
- 7 (ASCOF or "adult social care outcomes framework").tw.
- 8 (Warwick Edinburgh Mental Well-being scale or WEMBS or S-WEMWBS).tw.
- 9 ONS-4.tw.)
- 10 GHQ-12.tw.
- 11 (Personal Well-Being Index* or PWI-A).tw.
- 12 or/1-11