

## Appendix F: Excluded studies

### F.1 Dementia diagnosis

#### F.1.1 Dementia diagnosis

- What are the most effective methods of primary assessment to decide whether a person with suspected dementia should be referred to a dementia service?
- What are the most effective methods of diagnosing dementia and dementia subtypes in specialist dementia diagnostic services?

##### F.1.1.1 Excluded SRs, primary studies from SR search and Cochrane Reviews

Short Title	Title	Reason for Exclusion
Aarsland (2008)	Early discriminatory diagnosis of dementia with Lewy bodies. The emerging role of CSF and imaging biomarkers	SRs of case-control studies
Al-Qazzaz (2014)	Cognitive assessments for the early diagnosis of dementia after stroke	Narrative review
Appels (2010)	The diagnostic accuracy of dementia-screening instruments with an administration time of 10 to 45 minutes for use in secondary care: a systematic review	No primary studies/no new primary studies extracted from this SR
Aprahamian (2009)	The Clock Drawing Test: A review of its accuracy in screening for dementia	No primary studies/no new primary studies extracted from this SR
Arevalo-Rodriguez (2015)	Mini-Mental State Examination (MMSE) for the detection of Alzheimer's disease and other dementias in people with mild cognitive impairment (MCI)	Intervention-not diagnosing dementia, focus on assessing test ability to predict conversion from MCI to dementia in the future
Aslam (2016)	Automated tests for diagnosing and monitoring cognitive impairment: a diagnostic accuracy review	No primary studies/no new primary studies extracted from this SR
Awata (2016)	Development of the dementia assessment sheet for community-based integrated care system	Narrative review
Beynon (2012)	Is MRI better than CT for detecting a vascular component to dementia? A systematic review and meta-analysis	Intervention-not diagnosing dementia Paper does not focus on diagnosing dementia
Brodsky (2006)	What is the best dementia screening instrument for general practitioners to use?	Narrative review
Burton (2015)	Screening for cognitive impairment after stroke: A systematic review of psychometric properties and clinical utility	No primary studies/no new primary studies extracted from this SR. Focus on screening for dementia in people after stroke- participants do not have suspected dementia at baseline.

Short Title	Title	Reason for Exclusion
Caroli (2012)	Summary metrics to assess Alzheimer disease-related hypometabolic pattern with 18F-FDG PET: Head-to-head comparison	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis
Crawford (2012)	A systematic review of the accuracy and clinical utility of the Addenbrooke's Cognitive Examination and the Addenbrooke's Cognitive Examination-Revised in the diagnosis of dementia	No primary studies/no new primary studies extracted from this SR
Cure (2014)	Systematic literature review and meta-analysis of diagnostic test accuracy in Alzheimer's disease and other dementia using autopsy as standard of truth	No primary studies/no new primary studies extracted from this SR
Davison (2014)	A comparison of FDG-PET and blood flow SPECT in the diagnosis of neurodegenerative dementias: a systematic review	No primary studies/no new primary studies extracted from this SR
DeLozier (2016)	A Systematic Review of Metacognitive Differences Between Alzheimer's Disease and Frontotemporal Dementia	Intervention-not diagnosing dementia SR does not look at diagnostic tests or test accuracy
Dong (2016)	The Utility of Brief Cognitive Tests for Patients With Type 2 Diabetes Mellitus: A Systematic Review	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis Intervention-not diagnosing dementia, focus on screening for dementia in people with diabetes
Fage (2015)	Mini-Cog for the diagnosis of Alzheimer's disease dementia and other dementias within a community setting	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis Intervention-not diagnosing dementia, community screening focus
Forlenza (2013)	Mild cognitive impairment. Part 2: Biological markers for diagnosis and prediction of dementia in Alzheimer's disease	Narrative review and focus on predicting dementia
Gaugler (2013)	Sensitivity and specificity of diagnostic accuracy in Alzheimer's disease: a synthesis of existing evidence	Updated SR available
Hallam (2007)	Clinical presentation of prodromal frontotemporal dementia	Intervention-not diagnosing dementia Does not look at DTA Narrative review
Harrison (2014)	Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) for the diagnosis of dementia within a general practice (primary care) setting.	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis Single cross-sectional study found has people attending primary care, but not with suspected dementia.

Short Title	Title	Reason for Exclusion
Harrison (2016)	Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) for the early diagnosis of dementia across a variety of healthcare settings.	Review of delayed verification studies for dementia; patients were selected for non-dementia at baseline and followed up over time.
Harvan (2006)	An evaluation of dementia screening in the primary care setting	Intervention-not diagnosing dementia Focus on screening and excluded articles using tests for diagnostic purposes
Hendry (2015)	Single screening questions for cognitive impairment in older people: a systematic review	No primary studies/no new primary studies extracted from this SR
Holsinger (2007)	Does this patient have dementia?	No primary studies/no new primary studies extracted from this SR
Hu (2012)	Diagnostic accuracy of the International HIV Dementia Scale and HIV Dementia Scale: A meta-analysis	No primary studies/no new primary studies extracted from this SR
Hu (2016)	Diagnostic Value of microRNA for Alzheimer's Disease: A Systematic Review and Meta-Analysis	SRs of case-control studies
Jackson (2013)	Screening for dementia in general hospital inpatients: a systematic review and meta-analysis of available instruments	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis
Jelic (2009)	Evidence-based evaluation of diagnostic accuracy of resting EEG in dementia and mild cognitive impairment	No primary studies/no new primary studies extracted from this SR
Jorm (1997)	Methods of screening for dementia: a meta-analysis of studies comparing an informant questionnaire with a brief cognitive test	No primary studies/no new primary studies extracted from this SR
Jorm (2004)	The Informant Questionnaire on cognitive decline in the elderly (IQCODE): a review	Narrative review
Kamminga (2013)	Validity of cognitive screens for HIV-associated neurocognitive disorder: a systematic review and an informed screen selection guide	No primary studies/no new primary studies extracted from this SR
Koski (2013)	Validity and applications of the montreal cognitive assessment for the assessment of vascular cognitive impairment	SR of post stroke cognitive impairment studies- participants do not have suspected dementia baseline.
Kremer (2002)	Clock drawing test in dementia a critical review	Narrative review
Lees (2014)	Test accuracy of cognitive screening tests for diagnosis of dementia and multidomain cognitive impairment in stroke	No studies extracted from this SR as participants do not have suspected dementia at baseline
Liu (2014)	Cerebrospinal fluid tau protein in differential diagnosis of alzheimer's disease and vascular dementia in chinese population: A meta-analysis	Intervention-not diagnosing dementia Does not present diagnostic test accuracy data (sensitivity, specificity etc.)

Short Title	Title	Reason for Exclusion
Lorentz (2002)	Brief screening tests for dementia	Narrative review
Massman (1993)	A quantitative review of the diagnostic utility of the WAIS-R Fuld profile	Narrative review
McGovern (2016)	Test Accuracy of Informant-Based Cognitive Screening Tests for Diagnosis of Dementia and Multidomain Cognitive Impairment in Stroke	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis Screening for post-stroke dementia
Micanovic (2014)	The diagnostic utility of EEG in early-onset dementia: A systematic review of the literature with narrative analysis	No primary studies/no new primary studies extracted from this SR
Milne (2008)	Screening for dementia in primary care: a review of the use, efficacy and quality of measures	Intervention-not diagnosing dementia
Mitchell (2003)	CSF phosphorylated tau--does it constitute an accurate biological test for Alzheimer's disease?	Updated SR available
Mitchell (2009)	CSF phosphorylated tau in the diagnosis and prognosis of mild cognitive impairment and Alzheimer's disease: a meta-analysis of 51 studies	Updated SR available
Mitchell (2009)	A meta-analysis of the accuracy of the mini-mental state examination in the detection of dementia and mild cognitive impairment	Updated SR available 2013 paper by same author
Mitchell (2010)	Screening and case finding tools for the detection of dementia. Part I: evidence-based meta-analysis of multi-domain tests	Updated SR available
Mitchell (2010)	Screening and case-finding tools for the detection of dementia. Part II: evidence-based meta-analysis of single-domain tests	Updated SR available
Mo (2015)	Cerebrospinal fluid beta-amyloid1-42 levels in the differential diagnosis of Alzheimer's disease--systematic review and meta-analysis	Data errors Unexplained discrepancy between the numbers of participants in the only relevant primary paper compared to the original data from the primary paper.
Morris (2016)	Diagnostic accuracy of (18)F amyloid PET tracers for the diagnosis of Alzheimer's disease: a systematic review and meta-analysis	SRs of case-control studies
Noel-Storr (2013)	Systematic review of the body of evidence for the use of biomarkers in the diagnosis of dementia	Intervention-not diagnosing dementia Does not discuss content of studies but number of studies found and focus on progression to dementia.
O'Brien (2014)	Is ioflupane I123 injection diagnostically effective in patients with movement disorders and dementia? Pooled analysis of four clinical trials	Case-control primary study
Olsson (2016)	CSF and blood biomarkers for the diagnosis of Alzheimer's disease: a systematic review and meta-analysis	Intervention-not diagnosing dementia

Short Title	Title	Reason for Exclusion
Patwardhan (2004)	Alzheimer disease: operating characteristics of PET--a meta-analysis	SRs of case-control studies
Perani (2014)	A survey of FDG- and amyloid-PET imaging in dementia and GRADE analysis	No primary studies/no new primary studies extracted from this SR
Pescini (2012)	The Cerebral Autosomal-Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL) Scale: a screening tool to select patients for NOTCH3 gene analysis	Case-control primary study
Pinto (2009)	Literature review of the Clock Drawing Test as a tool for cognitive screening	No primary studies/no new primary studies extracted from this SR
Queally (2011)	A meta-analysis of studies comparing the effectiveness of three cognitive screening tests in the detection of dementia populations	Paper format: Letter to the editor
Quinn (2014)	Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) for the diagnosis of dementia within community dwelling populations	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis Screening patients in a community setting.
Ritchie (2014)	Plasma and cerebrospinal fluid amyloid beta for the diagnosis of Alzheimer's disease dementia and other dementias in people with mild cognitive impairment (MCI)	Intervention-not diagnosing dementia Focus on predicting MCI conversion to AD and other dementias
Rosa (2014)	Accuracy of cerebrospinal fluid Abeta(1-42) for Alzheimer's disease diagnosis: a systematic review and meta-analysis	No primary studies/no new primary studies extracted from this SR
Shim (2013)	Clinicopathologic study of Alzheimer's disease: Alzheimer mimics	Target group- people do not have suspected dementia at baseline or need a dementia subtype diagnosis
Shiga (2004)	Diffusion-weighted MRI abnormalities as an early diagnostic marker for Creutzfeldt-Jakob disease. <i>Neurology</i> 63(3), 443-9	Case-control study
Shulman (2000)	Clock-drawing: is it the ideal cognitive screening test?	Narrative review
Singh (2005)	Diagnosis of dementia with Lewy bodies in clinical practice: a literature review	Narrative review
Sinha (2012)	Biomarkers in dementia with Lewy bodies: a review	No new primary studies extracted from this SR
Sitoh (2006)	Evaluation of dementia: the case for neuroimaging all mild to moderate cases	Intervention-not diagnosing dementia
Siu (1991)	Screening for dementia and investigating its causes	Updated SR available
Smailagic (2015)	18F-FDG PET for the early diagnosis of Alzheimer's disease dementia and other dementias in people with mild cognitive impairment (MCI)	Intervention-not diagnosing dementia Focus on predicting the development of dementia not diagnosing existing dementia

Short Title	Title	Reason for Exclusion
Talwar (2016)	Meta-analysis of apolipoprotein E levels in the cerebrospinal fluid of patients with Alzheimer's disease	Intervention-not diagnosing dementia
Tombaugh (1992)	The mini-mental state examination: a comprehensive review	Narrative review
Velayudhan (2014)	Review of brief cognitive tests for patients with suspected dementia	No primary studies/no new primary studies extracted from this SR
Wang (2016)	Cholesterol, 24-Hydroxycholesterol, and 27-Hydroxycholesterol as Surrogate Biomarkers in Cerebrospinal Fluid in Mild Cognitive Impairment and Alzheimer's Disease: A Meta-Analysis	Intervention-not diagnosing dementia
Woodford (2007)	Cognitive assessment in the elderly: A review of clinical methods	No primary studies/no new primary studies extracted from this SR
Yeo (2015)	A systematic review and meta-analysis of (18)F-labeled amyloid imaging in Alzheimer's disease	No primary studies/no new primary studies extracted from this SR
Yokomizo (2014)	Cognitive screening for dementia in primary care: a systematic review	Intervention-not diagnosing dementia Focus on screening for dementia
Zakzanis (1999)	The neuropsychological signature of primary progressive aphasia	Paper format PhD thesis
Zakzanis (2000)	Neuropsychological profiles of dementia syndromes	Narrative review
Zappoli (1995)	Brain electrical activity (quantitative EEG and bit-mapping neurocognitive CNV components), psychometrics and clinical findings in presenile subjects with initial mild cognitive decline or probable Alzheimer-type dementia	Case-control primary study
Zhang (2014)	(11)C-PIB-PET for the early diagnosis of Alzheimer's disease dementia and other dementias in people with mild cognitive impairment (MCI)	Intervention-not diagnosing dementia Focus on predicting the development of dementia not diagnosing existing dementia
Zipursky (2013)	Evaluation of brief screening tools for neurocognitive impairment in HIV/AIDS: a systematic review of the literature	No primary studies/no new primary studies extracted from this SR

#### F.1.1.2 Excluded primary studies from SRs

Short title	Title	Reason for exclusion
Arahamian (2009)	The accuracy of the clock drawing test compared to that of standard screening tests for Alzheimer's disease: results from a study of Brazilian elderly with heterogeneous educational backgrounds.	Case-control study
Blacker (1994)	Reliability and validity of NINCDS-ADRDA criteria for Alzheimer's disease.	Study evaluates an early version of the NINCDS-ADRDA criteria (1984). This was updated in 2011.

Short title	Title	Reason for exclusion
Blennow (2005)	Diagnostic value of 14-3-3beta immunoblot and T-tau/P-tau ratio in clinically suspected Creutzfeldt-Jakob disease.	Data not in an accessible format; unable to calculate a 2x2 table to determine sensitivity and specificity
Bonte (2006)	Tc-99m HMPAO SPECT in the differential diagnosis of the dementias with histopathologic confirmation.	No information provided about study participants.
Bonte (2011)	Tc-99m HMPAO Brain Blood Flow Imaging in the Dementias with Histopathologic Correlation in 73 Patients	No information provided about study participants.
Bour (2010)	How predictive is the MMSE for cognitive performance after stroke?	Participants do not have suspected dementia at baseline or dementia requiring subtype diagnosis.
Bradshaw (1983)	Computed tomography in the investigation of dementia	Data cannot be processed to obtain 2x2 table
Brody (2002)	The GPCOG: a new screening test for dementia designed for general practice.	Participants consist of two group, one of which does not have suspected dementia at baseline, and data cannot be separated.
Buerger (2002)	Differential diagnosis of Alzheimer disease with cerebrospinal fluid levels of tau protein phosphorylated at threonine 231	Patients have confirmed diagnosis of dementia and dementia subtype at baseline
Burton (2009)	Medial temporal lobe atrophy on MRI differentiates Alzheimer's disease from dementia with Lewy bodies and vascular cognitive impairment: A prospective study with pathological verification of diagnosis.	Case- control study
Camus (2012)	Using PETwith 18F-AV-45 (florbetapir) to quantify brain amyloid load in a clinical environment.	Case-control study
Cecato (2011)	MoCA contributions to differential diagnosis among normal controls, mild cognitive impairment and Alzheimer's disease in Brazil.	Conference abstract
Chalermchai (2013)	Trail MakingTest A improves performance characteristics of the International HIV Dementia Scale to identify symptomatic HAND	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Clarke (2012)	Cerebral PET with florbetapir compared with neuropathology at autopsy for detection of neuritic amyloid beta plaques: a prospective cohort study.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Clionsky (2010)	Development and validation of the memory orientation screening test (MOST): a better screening test for dementia.	Unclear why people were referred to doctors- cannot be sure that patients had suspected dementia at baseline
Collie (2003)	Diagnosing variant Creutzfeldt-Jakob disease with the pulvinar sign: MR imaging findings in 86 neuropathologically confirmed cases.	Not a diagnostic test accuracy paper- data is not available to calculate sensitivity and specificity of tests

Short title	Title	Reason for exclusion
Collins (2000)	Determinants of diagnostic investigation sensitivities across the clinical spectrum of sporadic Creutzfeldt-Jakob disease.	Participants have confirmed CJD at baseline
Cumming (2011)	The Montreal Cognitive Assessment Short Cognitive Evaluation in a Large Stroke Trial.	Participants do not have suspected dementia at baseline and diagnostic test accuracy data is not presented
Dong (2012)	The Montreal Cognitive Assessment is superior to the Mini-Mental State Examination in detecting patients at higher risk of dementia.	Diagnostic test accuracy data is not presented for differentiating dementia from non-dementia groups
Doran (2005)	Single-photon emission computed tomography perfusion imaging in the differential diagnosis of dementia: a retrospective regional audit.	Cannot obtain a 2x2 table from data provided that matches our classification of dementia and no-dementia and the authors' calculated sensitivity and specificity.
Dumurgier (2013)	Exacerbated CSF abnormalities in younger patients with Alzheimer's disease.	Not a diagnostic test accuracy paper- data is not available to calculate sensitivity and specificity of tests
Filho (2009)	The performance of the Mini-Cog in a sample of low educational level elderly [O desempenho do Mini-Cog em uma amostra de idosos com baixo nível educacional]	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Fuchs (2012)	Cued recall and other cognitive tasks to facilitate dementia recognition in primary care.	Unclear whether participants had suspected dementia at baseline.
Godefroy (2011)	Is the Montreal Cognitive Assessment Superior to the Mini-Mental State Examination to Detect Poststroke Cognitive Impairment? A Study With Neuropsychological Evaluation.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Grossman (2005)	Cerebrospinal fluid profile in frontotemporal dementia and Alzheimer's disease.	Prospective cohort patients have confirmed diagnosis of dementia at baseline and retrospective cohort data is not presented in an accessible format
Herbert (2014)	Addition of MHPG to Alzheimer's disease biomarkers improves differentiation of dementia with Lewy bodies from Alzheimer's disease but not other dementias.	Case-control study
Herholz (1990)	Criteria for the diagnosis of Alzheimer's disease with positron emission tomography	Case-control study
Holsinger (2012)	Screening for cognitive impairment: comparing the performance of four instruments in primary care.	Focus on screening veterans for cognitive impairment-no mention of suspected dementia at baseline.
Jani (2000)	A retrospective study of neuroradiological abnormalities detected on structural magnetic resonance imaging of the brain in elderly patients with cognitive impairment	60% of sample did not receive a definitive diagnosis



Short title	Title	Reason for exclusion
Jindahra (2004)	Differentiation of dementia with Lewy bodies, Alzheimer's disease and vascular dementia by cardiac 131I-metaiodobenzylguanidine (MIBG) uptake (preliminary report).	Not possible to calculate a 2x2 table from the table presented
Jobst (1988)	Accurate prediction of histologically confirmed Alzheimer's disease and the differential diagnosis of dementia: the use of NINCDS-ADRDA and DSM-III-R criteria, spect, X-ray, CT, and apoE4 in medial temporal lobe dementias. Oxford Project to Investigate Memory and Aging.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Joska (2011)	Validity of the International HIV Dementia Scale in South Africa.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Kashihara (2006)	Reduced cardiac uptake and enhanced washout of I-123-MIBG in pure autonomic failure occurs conjointly with Parkinson's disease and dementia with Lewy bodies.	Case-control study
Kemp (2007)	Limitations of the HMPAO SPECT appearances of occipital lobe perfusion in the differential diagnosis of dementia with Lewy bodies.	Uses 123I-FP-CIT SPECT as the reference standard
Larner (2007)	Addenbrooke's Cognitive Examination—Revised (ACE-R) in day- to-day clinical practice.	Letter to editor
Larner (2012)	Screening utility of the Montreal Cognitive Assessment (MoCA): in place of--or as well as--the MMSE?	Mild cognitive impairment and dementia are grouped together in the analysis and could not be separated with the information provided.
Larner (2013)	Addenbrooke's Cognitive Examination-Revised (ACE-R): pragmatic study of cross-sectional use for assessment of cognitive complaints of unknown aetiology	Letter to editor
Larson (1986)	Diagnostic tests in the evaluation of dementia. A prospective study of 200 elderly outpatients.	Not a dementia diagnostic accuracy study
Lavenu (1997)	Association between medial temporal lobe atrophy on CT and parietotemporal uptake decrease on SPECT in Alzheimer's disease.	Participants have dementia at baseline, but study is not aimed at diagnosing the dementia subtype.
Lavery (2007)	Cognitive assessment of older primary care patients with and without memory complaints.	Reference standard is not clinical diagnostic criteria or autopsy/neuropathology
Lee (2008)	Brief screening for mild cognitive impairment in elderly outpatient clinic: validation of the Korean version of the Montreal Cognitive Assessment.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Lim (1999)	Clinico-neuropathological correlation of Alzheimer's disease in a community-based case series.	Study evaluates an early version of the NINCDS-ADRDA criteria (1984). This was updated in 2011.
Mackinnon (1998)	Combining cognitive testing and informant report to increase accuracy in screening for dementia	Participants do not all have suspected dementia at baseline and data is pooled

Short title	Title	Reason for exclusion
McCarten (2012)	Finding dementia in primary care: the results of a clinical demonstration project.	Participants screened at routine primary care visit and not suspected dementia at baseline.
McKeith (2000)	Prospective validation of Consensus criteria for the diagnosis of dementia with Lewy bodies	Study refers to an old version of the DLB criteria.
McKeith (2007)	Sensitivity and specificity of dopamine transporter imaging with 123I-FP-CIT SPECT in dementia with Lewy bodies: a phase III, multicentre study.	Case-control study
Minoshima (2001)	Alzheimer's disease versus dementia with Lewy bodies cerebral metabolic distinction with autopsy confirmation.	Case-control study
Modrego (2005)	Conversion from mild cognitive impairment to probable Alzheimer's disease predicted by brain magnetic resonance spectroscopy.	Participants with dementia were excluded at baseline.
Montiel (2013)	Evaluation of Montreal cognitive assessment for the differential diagnosis of mild cognitive impairment and Alzheimer's disease in elderly patients with more than 5 years of schooling: Data from a Brazilian sample.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Mosconi (2008)	Multicenter standardized 18F-FDGPET diagnosis of mild cognitive impairment, Alzheimer's disease, and other dementias	Case-control study
Nagy (1998)	Accuracy of clinical operational diagnostic criteria for Alzheimer's disease in relation to different pathological diagnostic protocols.	The DSM-III-R criteria have been updated several times since 1998 and the NINCDS-ADRDA criteria was also updated in 2011.
Nakasujja (2010)	Depression symptoms and cognitive function among individuals with advanced HIV infection initiating HAART in Uganda	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Narasimhalu (2008)	Improving detection of dementia in Asian patients with low education combining the Mini-Mental State Examination and the Informant Questionnaire on Cognitive Decline in the Elderly	The no dementia group consists of people from a dementia clinic plus an additional group of non-demented participants from a study of cognition after stroke. The control group data cannot be separated.
Nunes (2008)	CAMCOG as a screening tool for diagnosis of mild cognitive impairment and dementia in a Brazilian clinical sample of moderate to high education	Case-control study
O'Brien (2004)	Dopamine transporter loss visualized with FP-CIT SPECT in the differential diagnosis of dementia with Lewy bodies.	Case-control study
Olazaran (2011)	Mild cognitive impairment and dementia in primary care: the value of medical history.	Focus on following up people with suspected cognitive impairment to diagnose MCI or dementia o/t. Do carry out diagnosis a baseline but do

Short title	Title	Reason for exclusion
		not provide detailed diagnostic test results.
Otto (2002)	Tau protein and 14- 3-3 protein in the differential diagnosis of Creutzfeldt- Jakob disease.	Data not in an accessible format-unable to calculate a 2x2 table to determine sensitivity and specificity
Park (2013)	Preliminary Study for a Multicenter Study of Alzheimer's Disease Cerebrospinal Fluid Biomarkers.	Written in Korean
Parnetti (2003)	Cerebrospinal fluid biochemical markers in early detection and in differential diagnosis of dementia disorders in routine clinical practice.	Data not in an accessible format-unable to calculate a 2x2 table to determine sensitivity and specificity
Parnetti (2006)	Diagnosing prodromal Alzheimer's disease: role of CSF biochemical markers	Data not in an accessible format-unable to calculate a 2x2 table to determine sensitivity and specificity
Pasquier (1997)	The use of SPECT in a multidisciplinary memory clinic	Data cannot be extracted into a 2x2 table format for a diagnosis of dementia or dementia subtype
Pendlebury (2010)	Underestimation of cognitive impairment by Mini-Mental State Examination versus the Montreal Cognitive Assessment in patients with transient ischemic attack and stroke: a population-based study	Participants do not have suspected dementia at baseline and diagnostic test accuracy data is not presented
Pennington (2009)	The role of cerebrospinal fluid proteins as early diagnostic markers for sporadic Creutzfeldt–Jakob disease.	Case-control study
Peoc'h (2006)	Diagnostic value of CSF 14-3-3 detection in sporadic CJD diagnosis according to the age of the patient.	Letter to editor
Pescini (2012)	The Cerebral Autosomal-Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL) Scale A Screening Tool to Select Patients for NOTCH3 Gene Analysis	Case-control study
Raimondi (2012)	The Spanish version of the Addenbrooke's Cognitive Examination — Revised (ACE-R) in subcortical ischemic vascular dementia.	Case-control study
Reyes (2008)	Addenbrooke's Cognitive Examination validation in Parkinson's disease.	Participants do not have suspected dementia at baseline (PD patient cohort)
Rosen (1980)	Pathological verification of Ischemic Score in differentiation of dementias.	Study recruits people with specific diagnosed dementia subtypes.
Rosenthal (2013)	A novel computerized functional assessment for human immunodeficiency virus-associated neurocognitive disorder.	Case-control study
Sacktor (2005)	The International HIV Dementia Scale: a new rapid screening test for HIV dementia.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline

Short title	Title	Reason for exclusion
Schramm (2002)	Psychometric properties of Clock Drawing Test and MMSE or Short Performance Test (SKT) in dementia screening in a memory clinic population.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Shiga (2004)	Diffusion-weighted MRI abnormalities as an early diagnostic marker for Creutzfeldt–Jakob disease	Case-control study
Sikaroodi (2013)	Cognitive impairments in patients with cerebrovascular risk factors: A comparison of Mini Mental Status Exam and Montreal Cognitive Assessment.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Singh (2008)	The utility of a rapid screening tool for depression and HIV dementia amongst patients with low CD4 counts - a preliminary report.	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Sitoh (2006)	Evaluation of Dementia: The Case for Neuroimaging All Mild to Moderate Cases.	Reports sensitivity and specificity for the identification of specific clinical features, not a diagnosis of dementia
Skinningsrud (2008)	Cerebrospinal fluid markers in Creutzfeldt–Jakob disease.	Participants do not have suspected CJD at baseline
Smith (2007)	The Montreal Cognitive Assessment: validity and utility in a memory clinic setting	Not a relevant reference standard
Spies (2009)	The cerebrospinal fluid amyloid-beta (42/40) ratio in the differentiation of Alzheimer’s disease from non-Alzheimer’s dementia.	Conference abstract
Steenland (2008)	Development of a rapid screening instrument for mild cognitive impairment and undiagnosed dementia	Not possible to separate out the population of people with suspected dementia at baseline
Storey (2004)	The Rowland Universal Dementia Assessment Scale (RUDAS): a multicultural cognitive assessment scale	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Storton (2011)	Montreal Cognitive Assessment (MOCA): diagnostic utility in a cognitive clinic population.	Conference abstract
Upadhaya (2010)	The Six Item Cognitive Impairment Test (6-CIT) as a screening test for dementia: comparison with Mini-Mental State Examination (MMSE).	Paper unavailable
Van Everbroeck (2005)	14-3-3 isoform detection distinguishes sporadic Creutzfeldt–Jakob disease from other dementias.	Data not in an accessible format-unable to calculate a 2x2 table to determine sensitivity and specificity
Van Gool (1995)	Diagnosing Alzheimer’s disease in elderly, mildly demented patients: the impact of routine single photon emission computed tomography	Study does not present the data required to generate a 2x2 table of AD versus non-AD diagnoses, but uses healthy controls for comparison
van Hout (2001)	CAMDEX, can it be more efficient? Observational study on the contribution of four screening measures to the diagnosis of dementia by a memory clinic team.	Not a dementia diagnostic accuracy study

Short title	Title	Reason for exclusion
Varma (2002)	Diagnostic patterns of regional atrophy on MRI and regional cerebral blood flow change on SPECT in young onset patients with Alzheimer's disease, frontotemporal dementia and vascular dementia.	Data cannot be extracted into a 2x2 table format for a diagnosis of dementia or dementia subtype
Villemagne (2011)	Amyloid imaging with 18F-florbetaben in Alzheimer disease and other dementias	Case-control study
Wahlund (2000)	Visual rating and volumetry of the medial temporal lobe on magnetic resonance imaging in dementia: a comparative study.	Cannot separate data on healthy controls from people with suspected dementia at baseline to obtain a 2x2 table.
Wind (1997)	Limitations of the mini-mental state examination in diagnosing dementia in general practice	Data cannot be extracted into a 2x2 table format for a diagnosis of dementia versus no dementia
Yoshida (2011)	Validation of Addenbrooke's cognitive examination for detecting early dementia in a Japanese population.	Case-control study using memory clinic patients diagnosed with dementia and controls
Yoshida (2012)	Validation of the Revised Addenbrooke's Cognitive Examination (ACE-R) for detecting mild cognitive impairment and dementia in a Japanese population	Case- control study
Youn (2011)	Urinenural thread protein measurements in Alzheimer disease	Participants do not all have suspected dementia or dementia requiring subgroup diagnosis at baseline
Zappoli (1995)	Brain electrical activity (quantitative EEG and bit-mapping neurocognitive CNV components), psychometrics and clinical findings in presenile subjects with initial mild cognitive decline or probable Alzheimer- type dementia.	Case-control study

### F.1.1.3 Excluded studies from the primary study search and other sources

Short Title	Title	Reason for exclusion
Aarsland (2008)	Frequency and case identification of dementia with Lewy bodies using the revised consensus criteria	Not a dementia diagnostic test accuracy study
Aarsland (2016)	Clinico-pathologic correlations in dementia with lewy bodies (DLB): A prospective cohort study	Conference abstract
Abdel-Aziz (2014)	6CIT for detection of dementia and cognitive impairment	Conference abstract
Abdel-Aziz (2015)	Six-item cognitive impairment test (6CIT): pragmatic diagnostic accuracy study for dementia and MCI	Reference already included from a systematic review
Abraham (2011)	Combined measurement of PEDF, haptoglobin and tau in cerebrospinal fluid improves the diagnostic discrimination between alzheimer's disease and other dementias	Case-control study
Abu (2017)	Diagnostic Accuracy of a Combined Analysis of Cerebrospinal Fluid t-PrP, t-tau, p-tau, and Abeta42 in the Differential Diagnosis of Creutzfeldt-Jakob Disease from Alzheimer's	Case-control study

Short Title	Title	Reason for exclusion
	Disease with Emphasis on Atypical Disease Variants	
Adamczuk (2015)	Diagnostic value of cerebrospinal fluid Abeta ratios in preclinical Alzheimer's disease	Not a relevant reference standard
Aerts (2011)	CSF tau, A $\beta$ 42, and MHPG differentiate dementia with Lewy bodies from Alzheimer's disease	Case-control study
Aguirre-Acevedo (2016)	Diagnostic accuracy of CERAD total score in a Colombian cohort with mild cognitive impairment and Alzheimer's disease affected by E280A mutation on presenilin-1 gene	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Albanna (2017)	Validation and cultural adaptation of the Arabic versions of the Mini-Mental Status Examination - 2 and Mini-Cog test	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Alberici (2007)	The Frontal Behavioural Inventory (Italian version) differentiates frontotemporal lobar degeneration variants from Alzheimer's disease	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Al-Shaikhli (2016)	Alzheimer's disease detection via automatic 3D caudate nucleus segmentation using coupled dictionary learning with level set formulation	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis Study developing a classification system but without a validation component
Ayalon (2011)	The IQCODE versus a single-item informant measure to discriminate between cognitively intact individuals and individuals with dementia or cognitive impairment	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Balasa (2015)	Diagnostic accuracy of behavioral variant frontotemporal dementia consortium criteria (FTDC) in a clinicopathological cohort	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Beach (2011)	Differences in clinical and neuropathological concepts of Alzheimer's disease at NIA Alzheimer's disease centers 2005-2010	Conference abstract
Beach (2011)	Comparison of clinical and neuropathological definitions of Alzheimer's disease at national institute on aging Alzheimer's disease centers, 2005-2010	Conference abstract
Beach (2012)	Accuracy of the clinical diagnosis of Alzheimer disease at National Institute on Aging Alzheimer Disease Centers, 2005-2010.	Study evaluates an early version of the NINCDS-ADRDA criteria (1984). This was updated in 2011.
Beach (2015)	Autopsied dementia with lewy bodies cases at the national brain and tissue resource for Parkinson's disease and related disorders (NBTR-PD) and Arizona Alzheimer's disease core center (AZADCC)	Conference abstract

Short Title	Title	Reason for exclusion
Borghesani (2010)	Neuroimaging in the clinical diagnosis of dementia: observations from a memory disorders clinic	Not a relevant reference standard
Boutoleau-Brettonniere (2012)	Value of neuropsychological testing, imaging, and CSF biomarkers for the differential diagnosis and prognosis of clinically ambiguous dementia	Reference already included from a systematic review
Boyd (2015)	Sensitivity and specificity of new criteria for the diagnosis of corticobasal degeneration	Conference abstract
Brandt (2014)	Further validation of the Internet-based Dementia Risk Assessment	Case-control study
Bristow (2013)	Consensus diagnosis and predictors of diagnostic accuracy in the national Alzheimer's disease centers	Conference abstract
Brunnstrom (2009)	Clinicopathological concordance in dementia diagnostics	Compares a clinical diagnosis using any criteria with autopsy, rather than looking at specific diagnostic criteria
Carnero (2013)	Assessing the diagnostic accuracy (DA) of the Spanish version of the informant-based AD8 questionnaire	Reference already included from a systematic review
Cerami (2016)	The role of single-subject brain metabolic patterns in the early differential diagnosis of primary progressive aphasia and in prediction of progression to dementia	Prognostic test accuracy study
Chaaya (2016)	Validation of the Arabic Rowland Universal Dementia Assessment Scale (A-RUDAS) in elderly with mild and moderate dementia	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Chare (2014)	New criteria for frontotemporal dementia syndromes: clinical and pathological diagnostic implications.	Only people with a positive criteria based diagnosis are followed up and no data is provided to allow the calculation of test specificity
Chen (2010)	A preliminary study of the Six-Item Screener in detecting cognitive impairment	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Chen (2015)	The reliability, validity, sensitivity, specificity and predictive values of the Chinese version of the Rowland Universal Dementia Assessment Scale	Inconsistencies with data
Chiu (2008)	Sensitivity and specificity of the Clock Drawing Test, incorporating Rouleau scoring system, as a screening instrument for questionable and mild dementia: scale development	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Choe (2014)	A new scoring method of the mini-mental status examination to screen for dementia	Case-control study
Clarnette (2016)	Comparison of the Quick Mild Cognitive Impairment (Qmci) screen to the Montreal Cognitive Assessment (MoCA) in an Australian geriatrics clinic	Case-control study

Short Title	Title	Reason for exclusion
Cruz-Orduna (2012)	Detecting MCI and dementia in primary care: effectiveness of the MMS, the FAQ and the IQCODE [corrected]	Reference already included from a systematic review
de Jager (2010)	Retrospective evaluation of revised criteria for the diagnosis of Alzheimer's disease using a cohort with post-mortem diagnosis	Data refers to an out-of-date version of a clinical criteria Study tests a proposed revision of the NINCDS-ADRDA criteria, which was updated formally in 2011.
del Saz-Saucedo (2016)	Sonographic assessment of the optic nerve sheath diameter in the diagnosis of idiopathic intracranial hypertension	Not a dementia diagnostic test accuracy study
Di Battista (2011)	A simplified algorithm may lead to overestimate dementia in PD. A clinical and epidemiological study using criteria for PD-D proposed by the Movement Disorders Task Force	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Doberst (2005)	Diagnostic Value of FDG-PET and HMPAO-SPET in Patients with Mild Dementia and Mild Cognitive Impairment: Metabolic Index and Perfusion Index	Reference already included from a systematic review
Dong (2012)	The Montreal Cognitive Assessment is superior to the Mini-Mental State Examination in detecting patients at higher risk of dementia	Reference already included from a systematic review
Dong (2013)	The informant AD8 is superior to participant AD8 in detecting cognitive impairment in a memory clinic setting	Case-control study
Dumurgier (2013)	Intersite variability of CSF Alzheimer's disease biomarkers in clinical setting	Study approximates a case-control study due to the large number of exclusions.
Engelborghs (2014)	Vascular dementia is over diagnosed when structural brain imaging is used in the context of standard clinical diagnostic criteria for dementia	Conference abstract
Fong (2011)	Development and validation of a brief cognitive assessment tool: the sweet 16	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Fowler (2007)	Differential diagnosis of dementia: Examining the clinical utility of the 7-minute screen, a cross-validation study	Conference abstract
Frisoni (2009)	Markers of Alzheimer's disease in a population attending a memory clinic	Reference already included from a systematic review
Fujiwara (2010)	Brief screening tool for mild cognitive impairment in older Japanese: validation of the Japanese version of the Montreal Cognitive Assessment	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Gabel (2010)	Validation of consensus panel diagnosis in dementia	Study is looking at diagnostic accuracy of a consensus panel, not a single test.



Short Title	Title	Reason for exclusion
Gabelle (2013)	Impact of the 2008-2012 French Alzheimer Plan on the use of cerebrospinal fluid biomarkers in research memory center: the PLM Study	Study reporting on the same patient cohort as another included study
Galetta (2016)	Screening Utility of the King-Devick Test in Mild Cognitive Impairment and Alzheimer Disease Dementia	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Garn (2017)	Differential diagnosis between patients with probable Alzheimer's disease, Parkinson's disease dementia, or dementia with Lewy bodies and frontotemporal dementia, behavioral variant, using quantitative electroencephalographic features	Study developing a classification system but without a validation component
Gay (2008)	The validity of clinical diagnoses of dementia in a group of consecutively autopsied memory clinic patients	Study is looking at diagnostic accuracy of a consensus panel, not a single test.
Gelpi (2008)	Creutzfeldt-Jakob disease in Austria: an autopsy-controlled study	Data refers to an out-of-date version of a clinical criteria Data refers to an old version of the WHO CJD criteria, which was updated in 2009.
Geschwind (2008)	Voltage-gated potassium channel autoimmunity mimicking creutzfeldt-jakob disease	Not a dementia diagnostic test accuracy study
Gil-Bea (2010)	Insulin levels are decreased in the cerebrospinal fluid of women with prodromal Alzheimer's disease	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Gmitterova (2016)	Cerebrospinal fluid markers in the differentiation of molecular subtypes of sporadic Creutzfeldt-Jakob disease	Not a dementia diagnostic test accuracy study
Goncalves (2011)	Case finding in dementia: comparative utility of three brief instruments in the memory clinic setting	Reference already included from a systematic review
Hamrick (2013)	Use of days of the week in a modified mini-mental state exam (M-MMSE) for detecting geriatric cognitive impairment	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Hancock (2009)	Diagnostic utility of the Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) and its combination with the Addenbrooke's Cognitive Examination-Revised (ACE-R) in a memory clinic-based population	Reference already included from a systematic review
Heath (2010)	Variation of diagnostic criteria for variant Creutzfeldt-Jakob disease	Duplicate study
Heinemann (2008)	Brain biopsy in patients with suspected Creutzfeldt-Jakob disease	Not a relevant reference standard
Heinik (2009)	The Clock Drawing Test-Modified and Integrated Approach (CDT-MIA) as an instrument for detecting mild cognitive impairment in a specialized outpatient setting	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis

Short Title	Title	Reason for exclusion
Heinik (2009)	The Clock Drawing Testg-modified and Integrated Approach (CDT-MIA) as an instrument for detecting mild cognitive impairment in a specialized outpatient setting	Duplicate study
Heinik (2009)	The Clock Drawing Test--Modified and Integrated Approach (CDT-MIA) as an instrument for detecting mild cognitive impairment in a specialized outpatient setting	Duplicate study
Heinik (2015)	An investigation of the efficiency of the mini-Kingston standardized cognitive assessment-revised in classifying patients according to DSM-5 major and mild neurocognitive disorders due to possible Alzheimer's disease.	Not a relevant reference standard
Hentschel (2005)	The clinical utility of structural neuroimaging with MRI for diagnosis and differential diagnosis of dementia: a memory clinic study	Reference already included from a systematic review
Heo (2012)	Validation of the Korean Addenbrooke's Cognitive Examination for diagnosing Alzheimer's dementia and mild cognitive impairment in the Korean elderly	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Honda (2013)	The usefulness of monitoring sleep talking for the diagnosis of Dementia with Lewy bodies	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Iatraki (2014)	Cultural adaptation, standardization and clinical validity of the test your memory dementia screening instrument in Greek	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Illan (2012)	Bilateral symmetry aspects in computer-aided Alzheimer's disease diagnosis by single-photon emission-computed tomography imaging	Not a relevant reference standard
Irwin (2012)	Comparison of cerebrospinal fluid levels of tau and Abeta 1-42 in Alzheimer disease and frontotemporal degeneration using 2 analytical platforms	Case-control study
Iwasaki (2009)	Clinical diagnosis of Creutzfeldt-Jakob disease: Accuracy based on analysis of autopsy-confirmed cases	Data for 2x2 table cannot be obtained
Janelidze (2016)	CSF Abeta42/Abeta40 and Abeta42/Abeta38 ratios: better diagnostic markers of Alzheimer disease	Not a relevant reference standard
Jellinger (2006)	Clinicopathological analysis of dementia disorders in the elderly--an update	Compares a clinical diagnosis using any criteria with autopsy, rather than looking at specific diagnostic criteria
Johansson (2011)	Cerebrospinal fluid biomarkers for Alzheimer's disease: Diagnostic performance in a homogeneous mono-center population	Case-control study
Josephson (2007)	The diagnostic utility of brain biopsy procedures in patients with rapidly deteriorating neurological conditions or dementia	Not a dementia diagnostic test accuracy study

Short Title	Title	Reason for exclusion
Kamenski (2009)	Detection of dementia in primary care: comparison of the original and a modified Mini-Cog Assessment with the Mini-Mental State Examination.	Not a relevant reference standard
Kandiah (2016)	Early detection of dementia in multilingual populations: Visual Cognitive Assessment Test (VCAT)	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Kemp (2011)	Impact of 123I-FP-CIT (DaTSCAN) SPECT on the diagnosis and management of patients with dementia with Lewy bodies: a retrospective study	Reference already included from a systematic review
Kester (2010)	Diagnostic impact of CSF biomarkers in a local hospital memory clinic	Not a dementia diagnostic test accuracy study
Khan (2010)	Early diagnostic accuracy and pathophysiologic relevance of an autopsy-confirmed Alzheimer's disease peripheral biomarker	Case-control study
King (2013)	Simulated surgical-type cerebral biopsies from post-mortem brains allows accurate neuropathological diagnoses in the majority of neurodegenerative disease groups	Case-control study
Koscova (2017)	Cerebrospinal Fluid Biomarkers in the Diagnosis of Creutzfeldt-Jakob Disease in Slovak Patients: over 10-Year Period Review	Study does not include all of the non-CJD cases as controls, but instead selects a subgroup.
Krajewski (2014)	Identification of cognitive impairment and dementia in older persons in the acute medical setting	Conference abstract
Lacy (2015)	Standardized mini-mental state examination scores and verbal memory performance at a memory center: implications for cognitive screening	Not a dementia diagnostic test accuracy study
Larner (2012)	Screening utility of the Montreal Cognitive Assessment (MoCA): in place of--or as well as--the MMSE?	Reference already included from a systematic review
Larner (2012)	Mini-mental Parkinson (MMP) as a dementia screening test: comparison with the Mini-Mental State Examination (MMSE)	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Larner (2015)	Implications of changing the Six-item Cognitive Impairment Test cut-off	Letter or non peer-reviewed article
Larner (2015)	Mini-Addenbrooke's Cognitive Examination: a pragmatic diagnostic accuracy study	Letter or non peer-reviewed article
Larner (2017)	Short Montreal Cognitive Assessment	Data for 2x2 table cannot be obtained
Larner (2017)	MACE versus MoCA: equivalence or superiority? Pragmatic diagnostic test accuracy study	Data for 2x2 table cannot be obtained
Lebasnier (2015)	Potential diagnostic value of regional myocardial adrenergic imaging using (123)I-MIBG SPECT to identify patients with Lewy body diseases	Participants do not have suspected dementia at baseline or require dementia

Short Title	Title	Reason for exclusion
		subtype diagnosis Population has suspected Parkinsonism at baseline not DLB or PDD.
Lee (2009)	Population-specific spectrum of NOTCH3 mutations, MRI features and founder effect of CADASIL in Chinese	No test accuracy data available
Leinonen (2013)	Positron emission tomography with [18F]flutemetamol and [11C]PiB for in vivo detection of cerebral cortical amyloid in normal pressure hydrocephalus patients	Evaluates the sensitivity and specificity of imaging to detect specific clinical features, not for diagnosing dementia
Li (2013)	Validation of the General Practitioner Assessment of Cognition - Chinese version (GPCOG-C) in China	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Lyness (2014)	10-minute delayed recall from the modified mini-mental state test predicts Alzheimer's disease pathology	Prognostic test accuracy study Focus on using components of the MMSE test to predict AD pathology.
Mahr (2016)	Idiopathic normal pressure hydrocephalus: Diagnostic and predictive value of clinical testing, lumbar drainage, and CSF dynamics	Not a dementia diagnostic test accuracy study
Maruyama (2015)	Comparison of the diagnostic performance of H/M ratio between early and delayed phases for Lewy body disease	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis Population has suspected Parkinsonism at baseline not DLB or PDD.
Matias-Guiu (2014)	Evaluation of the new consensus criteria for the diagnosis of primary progressive aphasia using fluorodeoxyglucose positron emission tomography	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
McElwaine (2012)	Does inattention predict cognition in an older out-patient population?	Conference abstract
Milian (2012)	The Mini-Cog versus the Mini-Mental State Examination and the Clock Drawing Test in daily clinical practice: screening value in a German Memory Clinic	Reference already included from a systematic review
Mitsis (2014)	A consecutive case series experience with [18F] florbetapir PET imaging in an urban dementia center: impact on quality of life, decision making, and disposition	Not a dementia diagnostic test accuracy study
Miyajima (2013)	Soluble amyloid precursor protein alpha in the cerebrospinal fluid as a diagnostic and prognostic biomarker for idiopathic normal pressure hydrocephalus	Issues of reporting bias Issue of reporting bias as study only presents the sensitivity and specificity for the test with the highest accuracy in differentiating between groups.

Short Title	Title	Reason for exclusion
Moafmashhadi (2013)	Limitations for interpreting failure on individual subtests of the Montreal Cognitive Assessment	Not a dementia diagnostic test accuracy study
Morrone (2013)	Role of electron microscopy in the diagnosis of cadasil syndrome: a study of 32 patients	Not a relevant reference standard
Nakajima (2017)	Differentiation of dementia with Lewy bodies and Alzheimer disease using standardized I-123 metaiodobenzyl guanidine heart-to-mediastinum ratio based on Japanese multicenter study	Conference abstract
Nelson (2010)	Low sensitivity in clinical diagnoses of dementia with Lewy bodies	Compares a clinical diagnosis using any criteria with autopsy, rather than looking at specific diagnostic criteria
Newey (2012)	Variability in diagnosing Creutzfeldt-Jakob Disease (CJD) using standard and proposed diagnostic criteria	Conference abstract
Newey (2013)	Variability in diagnosing Creutzfeldt-Jakob disease using standard and proposed diagnostic criteria	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Nielsen (2013)	Validation of the rowland universal dementia assessment scale as a multicultural screening test in danish memory clinics	Conference abstract
Nielsen (2013)	Validation of the rowland universal dementia assessment scale for multicultural screening in danish memory clinics	Duplicate study
Nunes (2008)	CAMcog as a screening tool for diagnosis of mild cognitive impairment and dementia in a Brazilian clinical sample of moderate to high education	Reference already included from a systematic review
O'Caoimh (2014)	Brief dementia screens in clinic: Comparison of the quick mild cognitive impairment (Qmci) screen and six item cognitive impairment test (6CIT)	Conference abstract
O'Caoimh (2017)	Comparing Approaches to Optimize Cut-off Scores for Short Cognitive Screening Instruments in Mild Cognitive Impairment and Dementia	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Ossenkoppele (2013)	Impact of molecular imaging on the diagnostic process in a memory clinic	Reference already included from a systematic review
Ouchi (2014)	Pathology and sensitivity of current clinical criteria in corticobasal syndrome	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Park (2017)	Informant questionnaire on cognitive decline in the elderly (IQCODE) for classifying cognitive dysfunction as cognitively normal, mild cognitive impairment, and dementia	Case-control study
Piguet (2009)	Sensitivity of current criteria for the diagnosis of behavioral variant frontotemporal dementia	Only people with a positive initial diagnosis are followed up

Short Title	Title	Reason for exclusion
Pijnenburg (2008)	Diagnostic accuracy of consensus diagnostic criteria for frontotemporal dementia in a memory clinic population	Not a relevant reference standard
Privat (2008)	Human prion diseases: from antibody screening to a standardized fast immunodiagnosis using automation	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Qian (2016)	Misdiagnosis of Alzheimer's disease: Inconsistencies between clinical diagnosis and neuropathological confirmation	Conference abstract
Rabinovici (2014)	Diagnostic accuracy of amyloid and FDG PET in pathologically-confirmed dementia	Conference abstract
Radke (2014)	Preservation of spatial function: Role in differential diagnosis of behavioral variant frontotemporal dementia	Conference abstract
Randhawa (2007)	The development and validation of a carer questionnaire to assess cognitive function in neuropsychiatric patients	Data for 2x2 table cannot be obtained
Ranginwala (2008)	Clinical criteria for the diagnosis of Alzheimer disease: still good after all these years	Data refers to an out-of-date version of a clinical criteria Data refers to an old version of the NINCDS-ADRDA criteria, which was updated in 2011.
Rascovsky (2010)	Sensitivity of consensus diagnostic criteria in autopsy-confirmed patients with behavioral variant frontotemporal dementia (bvFTD): First report of the international bvFTD criteria Consortium	Conference abstract
Rascovsky (2011)	Sensitivity of revised diagnostic criteria for the behavioural variant of frontotemporal dementia	Only people with a positive final diagnosis are followed up, no data is provided to allow the calculation of test specificity
Respondek (2013)	Accuracy of the National Institute for Neurological Disorders and Stroke/Society for Progressive Supranuclear Palsy and neuroprotection and natural history in Parkinson plus syndromes criteria for the diagnosis of progressive supranuclear palsy	Case-control study
Richardson (2017)	Detecting delirium superimposed on dementia: diagnostic accuracy of a simple combined arousal and attention testing procedure	Not aimed at diagnosing dementia; included in the diagnosing delirium (in the absence of a previous diagnosis of dementia) review
Rollin-Sillaire (2012)	Contribution of single photon emission computed tomography to the differential diagnosis of dementia in a memory clinic	Reference already included from a systematic review
Rubi (2017)	Concordance between brain 18F-FDG PET and cerebrospinal fluid biomarkers in diagnosing Alzheimer's disease	Study was unavailable
Sakamoto (2010)	Clinical heterogeneity in progressive supranuclear palsy: problems of clinical diagnostic criteria of NINDS-SPSP in a	Only people with a positive final diagnosis are followed up

Short Title	Title	Reason for exclusion
	retrospective study of seven Japanese autopsy cases	
Sakamoto (2016)	123I-MIBG myocardial scintigraphy for the evaluation of Lewy body disease: Are delayed images essential? Is visual assessment useful?	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Salloway (2017)	Performance of [18F]flutemetamol amyloid imaging against the neuritic plaque component of CERAD and the current (2012) NIA-AA recommendations for the neuropathologic diagnosis of Alzheimer's disease	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Sato (2012)	Differentiation of dementia with lewy bodies from Alzheimer's disease using the Japanese version of the test your memory	Letter or non peer-reviewed article
Schuetz (2010)	Open biopsy in patients with acute progressive neurologic decline and absence of mass lesion	Not a dementia diagnostic test accuracy study
Sells (2011)	The Poppelreuter figure visual perceptual function test for dementia diagnosis	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Shi (2012)	The utility of the Hopkins Verbal Learning Test (Chinese version) for screening dementia and mild cognitive impairment in a Chinese population	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Shi (2014)	The Chinese version of story recall: a useful screening tool for mild cognitive impairment and Alzheimer's disease in the elderly	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Shimohata (2014)	Background pathologies and sensitivity of the current clinical criteria in corticobasal syndrome	Conference abstract
Singh (2011)	Decreased CSF transferrin in sCJD: a potential pre-mortem diagnostic test for prion disorders	Case-control study
Sinka (2010)	Small vascular and Alzheimer disease-related pathologic determinants of dementia in the oldest-old	Not a dementia diagnostic test accuracy study
Skillback (2014)	Diagnostic performance of cerebrospinal fluid total tau and phosphorylated tau in Creutzfeldt-Jakob disease: results from the Swedish Mortality Registry	Study looks at people with suspected dementia then tests for CJD (not suspected CJD at baseline)
Snowden (2011)	The clinical diagnosis of early-onset dementias: diagnostic accuracy and clinicopathological relationships	Compares a clinical diagnosis using any criteria with autopsy, rather than looking at specific diagnostic criteria
Spehl (2015)	Syndrome-specific patterns of regional cerebral glucose metabolism in posterior cortical atrophy in comparison to dementia with Lewy bodies and Alzheimer's disease--a [F-18]-FDG pet study	Case-control study
Steenland (2008)	Development of a rapid screening instrument for mild cognitive impairment and undiagnosed dementia	Reference already included from a systematic review
Steinberg (2016)	Sensitivity, specificity and reliability of three pathological criteria for Alzheimer's disease	Conference abstract

Short Title	Title	Reason for exclusion
Strydom (2013)	Validity of criteria for dementia in older people with intellectual disability	Not a relevant reference standard
Swan (2015)	The diagnostic utility of 99mTc-HMPAO SPECT imaging: a retrospective case series from a tertiary referral early-onset cognitive disorders clinic	Data for 2x2 table cannot be obtained
Tagliapietra (2013)	Diagnostic accuracy of Creutzfeldt-Jacob disease among rapidly progressive dementia	Study reporting on the same patient cohort as another included study
Taswell (2015)	18F-FDG PET Improves Diagnosis in Patients with Focal-Onset Dementias	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Thomas (2017)	Autopsy validation of 123I-FP-CIT dopaminergic neuroimaging for the diagnosis of DLB	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Thong (2016)	Psychometric properties of Malay neuropsychiatry unit cognitive assessment tool among Alzheimer's disease patients in comparison to Malay Montreal Cognitive Assessment	Case-control study
Tokuhara (2006)	Utility of the Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) for dementia in a Japanese-American population	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Treglia (2014)	Iodine-123 metaiodobenzylguanidine scintigraphy and iodine-123 ioflupane single photon emission computed tomography in Lewy body diseases: complementary or alternative techniques?	Reference already included from a systematic review
Vannier-Nitenberg (2013)	Early detection of memory impairment in people over 65 years old consulting at Health Examination Centers for the French health insurance: the EVATEM protocol	Study protocol
Vijverberg (2015)	Frontotemporal dementia and related disorders: Diagnostic accuracy of the FTD consensus criteria in the late onset frontal lobe syndrome	Conference abstract
Villeneuve (2015)	Existing Pittsburgh Compound-B positron emission tomography thresholds are too high: Statistical and pathological evaluation	Evaluates the sensitivity and specificity of imaging to detect specific clinical features, not for diagnosing dementia
Walsh (2015)	Rapid assessment of cognitive function in down syndrome across intellectual level and dementia status	Participants do not have suspected dementia at baseline or require dementia subtype diagnosis
Wang (2017)	Alzheimer's disease detection by pseudo zernike moment and linear regression classification	Case-control study
Weinstein (2016)	Clinical markers of frontal tau pathology in 4-repeat tauopathies	Conference abstract
Weis (2012)	Clinical diagnosis of dementia: Neuropathology sequelae, Braak-CERAD-NIA Reagan staging,	Conference abstract



Short Title	Title	Reason for exclusion
	ApoE status, SNPs, and topography and severity of lesions	
Wiechmann (2011)	The utility of the Spatial Span from the Wechsler Memory Scale in a geriatric population with cognitive impairments	Conference abstract
Wong (2014)	Validity and reliability of the neuropsychiatric inventory questionnaire version in patients with stroke or transient ischemic attack having cognitive impairment	Not a dementia diagnostic test accuracy study
Woodhouse (2013)	Efficacy of the ANAM General Neuropsychological Screening Battery (ANAM GNS) for detecting neurocognitive impairment in a mixed clinical sample	Not a dementia diagnostic test accuracy study
Yavuz (2017)	Validation of the Turkish Version of the Quick Mild Cognitive Impairment Screen	Inconsistencies with data
Yokomizo (2014)	Efficacy of the general practitioners assessment of cognition (GPCOG) in a Brazilian primary care sample	Conference abstract
Ziso (2014)	Accuracy of ad8 screening questionnaire for dementia	Conference abstract
Ziso (2015)	AD8 informant screening questionnaire for cognitive impairment: Pragmatic diagnostic test accuracy study	Conference abstract

## F.1.2 Distinguishing dementia from delirium or delirium with dementia

- What are the most effective methods of differentiating dementia or dementia with delirium from delirium alone?

Study	Reason for exclusion
Anonymous (2012) Delirium or dementia?	Report type
Bellelli (2010) Diagnosing delirium	Report type
Bellelli (2011) Are fluctuations in motor performance a diagnostic sign of delirium?	Patient characteristics and study type
Bellelli (2014) Validation of the 4AT, a new instrument for rapid delirium screening: a study in 234 hospitalised older people	Patient characteristics
Boettger (2009) Delirium superimposed on dementia versus delirium in the absence of dementia: phenomenological differences	Patient characteristics
Boettger (2011) Treatment characteristics of delirium superimposed on dementia	Patient characteristics
Bottino (2011) Differential diagnosis between dementia and psychiatric disorders: Diagnostic criteria and supplementary exams. Recommendations of the Scientific Department of Cognitive Neurology and Aging of the Brazilian Academy of Neurology	Report type
Bryson (2011) The clock drawing test is a poor screening tool for postoperative delirium and cognitive dysfunction after aortic repair	Absence dementia group
Caplan (2010) Cerebrospinal fluid in long-lasting delirium compared with Alzheimer's dementia	Data not in a usable format
Caplan (2014) Transcranial Doppler to measure cerebral blood flow in delirium superimposed on dementia. A cohort study	Patient characteristics
Chong (2015) Identifying phenomenological differences and recovery of cognitive and non-cognitive symptomatology among delirium superimposed upon dementia patients (DsD) versus those without dementia (DaD) in an acute geriatric care setting	Patient characteristics
Cole (2003) An empirical study of different diagnostic criteria for delirium among elderly medical inpatients	Data not in a usable format
Dasgupta (2010) Factors associated with prolonged delirium: a systematic review	Data format and patient characteristics
de Negreiros (2008) Portuguese version of the Delirium Rating Scale-Revised-98: reliability and validity	Patient characteristics
de Rooij (2006) Delirium subtype identification and the validation of the Delirium Rating Scale--Revised-98 (Dutch version) in hospitalized elderly patients	Data format and patient characteristics
Edlund (2007) Symptom profile of delirium in older people with and without dementia	Patient characteristics
Francis (2012) Assessment Tools for Geriatric Patients With Delirium, Mild Cognitive Impairment, Dementia, and Depression	Report type
Hendry (2015) Informant single screening questions for delirium and dementia in acute care- a cross-sectional accuracy pilot test	Data not in a usable format
Insel (2002) Deciphering the 4 D's: cognitive decline, delirium, depression and dementia--a review	Study type
Jacobson (1993) Conventional and quantitative EEG in the diagnosis of delirium among the elderly	Patient characteristics
Jacobson (1993) Serial quantitative EEG among elderly subjects with delirium	Patient characteristics

Study	Reason for exclusion
Jorm (1994) A short form of the Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE): development and cross-validation	Report type
Laurila (2004) Delirium among patients with and without dementia: does the diagnosis according to the DSM-IV differ from the previous classifications?	Data format and study type
Leung (2011) The use of the Digit Span Test in screening for cognitive impairment in acute medical inpatients	Data not in a usable format
Manos (1997) The utility of the ten-point clock test as a screen for cognitive impairment in general hospital patients	Study aim
Mathillas (2013) Thirty-day prevalence of delirium among very old people: a population-based study of very old people living at home and in institutions	Patient characteristics
McCusker (2001) Delirium in older medical inpatients and subsequent cognitive and functional status: a prospective study	Data format and study aim
O'Keeffe (1997) Assessing attentiveness in older hospital patients: global assessment versus test of attention	Study aim
O'Keeffe (2011) Orientation to time as a guide to the presence and severity of cognitive impairment in older hospital patients	Patient characteristics
Pendlebury (2015) Routine cognitive screening in older patients admitted to acute medicine: abbreviated mental test score (AMTS) and subjective memory complaint versus Montreal Cognitive Assessment and IQCODE	Patient characteristics
Powers (2013) Exploring the utility of ultra-brief delirium assessments in a non-intensive care geriatric population: the GEM study	Study aim
Sandberg (1999) Clinical profile of delirium in older patients	Absence of dementia group
Thomas (2008) Prolonged activation EEG differentiates dementia with and without delirium in frail elderly patients	Patient characteristics and focus on delirium
Uldall (2014) Association between combative behaviour requiring intervention and delirium in hospitalized patients	Study aim and study type
Wallesch (1994) Language function in delirium: a comparison of single word processing in acute confusional states and probable Alzheimer's disease	Patient characteristics

### F.1.3 Case finding for people at high risk of dementia

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

Study	Reason for exclusion
Borson (2007) Implementing Routine Cognitive Screening of Older Adults in Primary Care: Process and Impact on Physician Behavior	Not an RCT or prospective cohort study.
Eichler (2014) Rates of formal diagnosis in people screened positive for dementia in primary care and the effect of screening on diagnosis rates: Results of the Delphi trial	Conference abstract
Eichler (2014) Rates of formal diagnosis in people screened positive for dementia in primary care: Results of the Delphi trial	Does not present information on the patient outcomes associated with early diagnosis
Fowler (2014) The Indiana University Cognitive Health Outcomes Investigation of the Comparative Effectiveness of dementia screening (CHOICE) study: study protocol for a randomized controlled trial.	RCT study protocol of a trial assessing the benefits and harms of screening for dementia in primary care rather than case finding in high risk groups.
Lin (2013) Screening for cognitive impairment in older adults: A systematic review for the US Preventative Services Task Force	Systematic review was unable to find any studies with early dementia diagnosis that included outcome effects
Thyrian (2016) Systematic, early identification of dementia and dementia care management are highly appreciated by general physicians in primary care—results within a cluster-randomized-controlled trial (Delphi)	RCT testing a case management approach on people diagnosed with dementia after screening. Does not include unscreened patients as controls for case finding part of trial.
Wray (2014) A programme to improve detection of undiagnosed dementia in primary care and its association with healthcare utilization	Not an RCT or prospective cohort study. The reported increase in utilization of health resources is not meaningful in the absence of a suitable control group. The study did not investigate the effect of increased healthcare utilization on patient outcomes.

## F.2 Involving people with dementia in decision about care

### F.2.1 Barriers and facilitators to involvement in decision making for people living with dementia

- What barriers and facilitators have an impact on involving people living with dementia in decisions about their present and future care?
- What barriers and facilitators have an impact on how people living with dementia can make use of advance planning?

Study	Reason for exclusion
Aw (2012) Advance care planning and the older patient.	Narrative review; in which barriers and facilitators are not focused on. Some inferences are made using papers that do not include patients with dementia.
Azam (2010) Supporting Asian elders with dementia	Not a peer-reviewed publication
Bamford (2014) Understanding the challenges to implementing case management for people with dementia in primary care in England: a qualitative study using Normalization Process Theory	Primarily reports the experiences of staff and healthcare workers
Banerjee (2014) Dying well with dementia: Insights from qualitative studies of place of death and advance care planning	Conference abstract
Beart (2008) Care for the person with dementia, 2: How to know what the person needs or wants	Narrative review
Begum (2013) Help-seeking response to subjective memory complaints in older adults: toward a conceptual model	Not a population of people living with dementia
Berwald (2016) Black African and Caribbean British communities' perceptions of memory problems: "We don't do dementia."	This study did not involve anyone who had dementia nor anyone who was looking after someone with dementia.
Bristol Bme People Dementia Research, and Group (2017) The dementia experiences of people from Caribbean, Chinese and South Asian communities in Bristol	Not a relevant study design
Bunn (2012) Psychosocial factors that shape patient and carer experiences of dementia diagnosis and treatment: a systematic review of qualitative studies	Reports the experience of diagnosis
Carr (2011) What's so big about the 'little things'	Study not conducted in the UK
Cheong (2014) Advance care planning in people with early cognitive impairment	Study not conducted in the UK
Chrisp (2012) Bounded autonomy in deciding to seek medical help: Carer role, the sick role and the case of dementia	The subjects had not been formally diagnosed with dementia. The study was confined to the period of time when the cause of the patients' symptoms was uncertain. The number of patients who were subsequently diagnosed with dementia is not clarified. This study is also retrospective – looking at materials that could have been 3 years old before they were analysed.

Study	Reason for exclusion
Clarke (2011) Information in dementia care: sense making and a public health direction for the UK?	This paper is partly opinion and partly a narrative review of the literature. It does not investigate barriers and facilitators to decision making that are specific to patients with dementia.
Collins (2015) Person-centred communication in dementia care	This article is partly a narrative review and partly professional opinion. It did not include any original studies of people with dementia. This study did not look at decision making.
Colston (2013) Perspectives on personal outcomes of early stage support for people with dementia and their carers	This is a report that has not been peer reviewed. It highlights the positive impacts of an Early Stage Support Service. It does not investigate the barriers and facilitators to decision making.
Courtier (2015) Cancer and dementia: an exploratory study of the experience of cancer treatment in people with dementia	Study does not look at barriers and facilitators to decision making. The investigators wrote that the carers often made decisions on behalf of the person with dementia. However, this observation was written in an uncritical way, e.g. – the study did not say whether the patient agreed with the relative or not or whether the carer had doubts.
Cox (2016) Decision making and dementia – a service user perspective	This online survey says that 28% of people with dementia either feel that professionals never support them to make decisions or rarely support them to make decisions. They also report that 13% of individuals feel that decisions are not made in their best interests. It is an online survey and the reasons were not explored.
Denning (2011) Advance care planning for people with dementia: a review	Most studies included in this narrative review are not from the UK – different healthcare systems, different cultures, different geographies etc.
Denning (2012) Preferences for end-of-life care: A nominal group study of people with dementia and their family carers	Included in section of guideline on palliative care
Denning (2016) Advance care planning in dementia: do family carers know the treatment preferences of people with early dementia?	This study does not involve an ACP process.
De Silva (2009) Transition into long-term care: the lived experience of carers of individuals with dementia	Not about barriers and facilitators to decision making
Dickinson (2013) Planning for tomorrow whilst living for today: the views of people with dementia and their families on advance care planning	This study does not involve an ACP process, e.g. – no two-way discussion and no tailored ACP at the end of the process.
Ferguson-Coleman (2013) Dementia and the Deaf community: knowledge and service access	This study focuses on the service needs of people with dementia who are Deaf – it does not look at barriers and facilitators to decision making.
Forrest (2009) How young people find out about their family history of Huntington's disease	Not about barriers and facilitators to decision making
Giebel (2014) South Asian older adults with memory impairment: improving assessment and access to dementia care	This study did not look at barriers and facilitators to decision making, e.g. – scenario(s) where there was a decision to be made between one choice or another.

Study	Reason for exclusion
Godwin (2009) 'In solitary confinement': Planning end-of-life well-being with people with advanced dementia, their family and professional carers	This study focused on end-of-life care rather than ACP. For example, all people with dementia in this study had advanced dementia.
Hailstone (2017) The development of Attitudes of People from Ethnic Minorities to Help-Seeking for Dementia (APEND): a questionnaire to measure attitudes to help-seeking for dementia in people from South Asian backgrounds in the UK	Quantitative study
Jewish Care (2012) Improving end of life care for people with advanced dementia: Report on a 3-year practice based project assessing the impact of end of life training 2012	This study was on end-of-life care – not ACP. In addition, it was not published in a peer reviewed journal.
Jutlla (2015) The impact of migration experiences and migration identities on the experiences of services and caring for a family member with dementia for Sikhs living in Wolverhampton, UK	This study did not look at barriers and facilitators to decision making.
Kirkley (2011) The impact of organisational culture on the delivery of person-centred care in services providing respite care and short breaks for people with dementia	Primarily reports the experiences of staff and healthcare workers
Koch (2010) Rapid appraisal of barriers to the diagnosis and management of patients with dementia in primary care: a systematic review	Qualitative study on diagnosis, rather than decision making
Lawrence (2008) The experiences and needs of people with dementia and serious visual impairment: a qualitative study	This study lists the problems and service needs that people with dementia and serious visual impairment can face. However, it does not examine the facilitators and barriers to decision making. This study has not been published in a peer reviewed journal. The methods are unclear and there is very little numerical information.
Lawrence (2010). Threat to valued elements of life: The experience of dementia across three ethnic groups	This study did not look at barriers and facilitators to decision making.
Lord (2016) The decide study: Dementia carers making informed decisions feasibility RCT	Conference abstract
Mukadam (2010) A systematic review of ethnicity and pathways to care in dementia	This narrative review of the literature focused on the pre-diagnosis stage only. This study did not look at barriers and facilitators to decision making. In addition, 10 of the reviewed studies were US and 3 were UK.
Mukadam (2016) What would encourage help-seeking for memory problems among UK-based South Asians? A qualitative study	This study did not look at barriers and facilitators to decision making. In addition, the focus was on the pre-diagnosis stage.
Mukadam (2011) Why do ethnic elders present later to UK dementia services? A qualitative study	Not about barriers and facilitators to decision making
National LGBT (2014) The dementia challenge for LGBT communities: a paper based on a roundtable discussion 2 December 2014	This study did not look at barriers and facilitators to decision making. It was not a peer reviewed study. None of the participants had dementia. It was not

Study	Reason for exclusion
	clear as to whether any of the participants were carers of someone who had dementia.
Oliver (2010) 'She can see how much I actually do!' Talking Mats: helping people with dementia and family carers to discuss managing daily living	This paper reports on the same data that was used for a study included – Oliver (2011).
Orrell (2008) The needs of people with dementia in care homes: the perspectives of users, staff and family caregivers	The study quantifies the unmet needs of 238 people with dementia. However, it does not investigate the barriers and facilitators to decision making.
O'Sullivan (2013) Translating Action Research Into Practice: Seeking Occupational Justice for People With Dementia	Not about barriers and facilitators to decision making
Parker (2010) 'My Mum's Story' A Deaf daughter discusses her Deaf mother's experience of dementia	Case report of a single individual
Phillips (2012) Difficulties in disclosing the diagnosis of dementia: A qualitative study in general practice	Primarily reports the experiences of staff and healthcare workers
Robinson (2012) A qualitative study: Professionals' experiences of advance care planning in dementia and palliative care, 'a good idea in theory but...'	Reports the experiences of staff and healthcare workers. This study did not involve anyone who had dementia nor anyone who was looking after someone with dementia.
Sinclair (2016) Consensus views on advance care planning for dementia: a Delphi study	The focus of the study is on what an ACP should include, rather than barriers and facilitators. This study only involved one person with dementia who had been diagnosed for between three to five years. In addition, this person with dementia dropped out of the study early on.
Stewart (2011) Advanced care planning in care homes for older people: a qualitative study of the views of care staff and families	Primarily reports the experiences of staff and healthcare workers
Van Den Heuvel (2012) Awareness, requirements and barriers to use of Assistive Technology designed to enable independence of people suffering from Dementia (ATD)	Not about barriers and facilitators to decision making
Whitfield (2014) Improving end of life care for people with dementia	Conference abstract
Woll (2013) Deaf with dementia	Conference abstract
Wolverson (2010) Remaining hopeful in early-stage dementia: a qualitative study	Not about barriers and facilitators to advance decision making
Young (2011) Optimizing communication between medical professionals and people living with dementia	The study describes how a communications toolkit was put together. It does not give the evidence base for the contents of the toolkit. Neither does the study have evidence of the tool's effectiveness.



## F.3 Care planning, review and co-ordination

### F.3.1 Health and social care co-ordination

- What are the most effective methods of care planning, focussing upon improving outcomes for people with dementia and their carers?
- How should health and social care be co-ordinated for people living with dementia?

#### F.3.1.1 Qualitative evidence

Study	Reason for exclusion
Alzheimer's Society (2014) Dementia 2014: opportunity for change: England summary	Report contains no qualitative evidence, and does not focus on care coordination/management.
Alzheimer's Society (2014) Dementia 2014: opportunity for change: Wales summary	Report contains no qualitative evidence, and does not focus on care coordination/management.
Alzheimer's Society (2014) Dementia 2014: opportunity for change: Northern Ireland summary	Report contains no qualitative evidence, and does not focus on care coordination/management.
Alzheimer's Society (2016) Dementia in rural Wales	Report contains no qualitative evidence, and does not focus on care coordination/management.
Arksey (2007) Research focus. Respite care for people with dementia: the range of models for getting a break	Narrative review
Atkinson (2012) Nurse-led liaison mental health service for older adults: Service development using lean thinking methodology	Outcomes are about staff efficiency and staff opinion. There are no outcomes measured regarding the opinion of people living with dementia nor their carers.
Aveyard (2006) Moving forward together: evaluation of an action group involving staff and relatives within a nursing home for older people with dementia	Qualitative study not focused on care coordination/management, it is about an implementation of the Senses Framework. The Senses Framework aims to provide staff with six core values that aim to improve care and staff satisfaction. It does not suggest who has responsibility for what and how that responsibility should be exercised.
Banerjee (2007) Improving the quality of care for mild to moderate dementia: an evaluation of the Croydon Memory Service Model	Primarily a quantitative study
Bartlett (2011) Rethinking the experiences and entitlements of people with dementia: taking vision into account	Narrative review/opinion article.
Brown (2016) PRESENT: co-producing improved wellbeing with people living with dementia in East Dunbartonshire	Report contains no qualitative evidence, and does not focus on care coordination/management.
Bunn (2016) Specialist nursing and community support for the carers of people with dementia living at home: an evidence synthesis	Systematic review of questionnaire studies
Bunting (2016) Transcultural nursing strategies for carers of people with dementia	Non-systematic narrative review.
Caine (2014) Integrating people with dementia and their carers into service design	Narrative review/opinion article.

Study	Reason for exclusion
Care and Social Services Inspectorate Wales (2010) A preliminary analysis of dementia in Wales	Report contains no qualitative evidence, and does not focus on care coordination/management.
Carers UK (2014) Supporting employees who are caring for someone with dementia	No qualitative evidence from people living with dementia or their (informal) carers.
Challis (2002) Care management, dementia care and specialist mental health services: an evaluation	Non-randomised quantitative observational study.
Chakkalackal (2013) Doing it for ourselves: self-help groups for people with dementia living in extra care housing schemes. London: Housing Learning and Improvement Network	Study on a self-help group intervention; does not involve care coordination/management.
Chalfont (2010) Leadership from the bottom up: Reinventing dementia care in residential and nursing home settings	Narrative review/opinion article.
Clark (2013) Putting personalisation and integration into practice in primary care	Report contains no qualitative evidence, and does not focus on care coordination/management.
Clarke (2014) Organisational space for partnership and sustainability: lessons from the implementation of the National Dementia Strategy for England	This study is about a Dementia Adviser and Peer Support Network. The aim is to provide support and information. There was no case management nor coordination. For example, the study did not involve a member of staff who had responsibility for overall case management/coordination.
Davies (2010) Frontotemporal dementias: development of an integrated care pathway through an experiential survey of patients and carers	Report contains no qualitative evidence, and does not focus on care coordination/ management.
Evans (2015) Best practice for providing social care and support to people living with concurrent sight loss and dementia: professional perspectives	Data was drawn from focus groups composed entirely of professionals. There is no qualitative evidence from people living with dementia or their carers.
Gage (2013) Formal and informal caring of people with dementia: A cohort study in England	Conference abstract
Echalier (2012) A world of silence: the case for tackling hearing loss in care homes	Report contains no qualitative evidence, and does not focus on care coordination/management.
Haubin (2010) Associations of special care units and outcomes of residents with dementia: 2004 national nursing home survey	Study from the USA
Hibberd (2012) Flexible, immediate support and signposting	Not a study on care coordination/ management
Hodge (2013) Two sides of the same coin? Patients' and carers' views of UK memory services	Quantitative study
Innes (2006) Service provision for people with dementia in rural Scotland: difficulties and innovations	Survey that was completed by service providers. There is no data from people living with dementia or their carers.
Ipsos MORI (2016) Dementia advisers survey: survey of provision of dementia adviser services	Report contains no qualitative evidence, and does not focus on care coordination/ management.
Kerr (2008) Supporting older people in care homes at night	Members of staff were interviewed, not people living with dementia or their unpaid carers.

Study	Reason for exclusion
Kirkley (2011) The impact of organisational culture on the delivery of person-centred care in services providing respite care and short breaks for people with dementia	Qualitative study of the views of staff. Does not contain the views of people living with dementia or their carers.
Koch T (2011) Dementia diagnosis and management: a narrative review of changing practice	Narrative review/opinion article
Koch (2011) Implementing the National Dementia Strategy in England: Evaluating innovative practices using a case study methodology	Data was collected from GPs, rather than from people living with dementia or their carers.
Lee (2011) Post-diagnosis support group	This is an informal survey on participants' feelings of wellbeing. No questions were asked regarding case coordination/ management. There is no qualitative data from people living with dementia or their carers.
Macadam (2015) Staying connected, with Circles of Support	Study looking at a support group, rather than a formal method of care coordination/ management.
Mackenzie (2012) Evaluation of a memory assessment and advisory service in Birmingham	Not a peer-reviewed publication
Maio (2016) Family carers' experiences of the Admiral Nursing Service: a quantitative analysis of carer feedback	Report contains no qualitative evidence
Mason (2007) A systematic review of the effectiveness and cost-effectiveness of different models of community-based respite care for frail older people and their carers	Report contains no qualitative evidence
McDonald (2008) Developing services for people with dementia: findings from research in a rural area	Qualitative study looking at the views of staff members
McKeown (2015) 'You have to be mindful of whose story it is': the challenges of undertaking life story work with people with dementia and their family carers	Not a study on care coordination/ management.
Minghella (2012) Rethinking a framework for dementia 1: a journey	Opinion article on a proposed model of care
Miranda-Castillo (2010) People with dementia living alone: what are their needs and what kind of support are they receiving?	Report contains no qualitative evidence
Montenegro (2011) 'Post-diagnostic support group' for carers of people with dementia in a Northwest NHS Trust: a pilot	Study is about a cognitive-stimulation therapy intervention, not about care coordination/management.
Morris (2012) Integrated care for frail older people 2012: a clinical overview	Opinion article.
National Development Team For Inclusion (2014) Circles of Support for people with dementia	Grey literature report is about a support group intervention. Case coordination/management is not mentioned.
Nazarko (2012) Intermediate care: the nursing contribution	Opinion article
NHS England (2016) West Midlands dementia post diagnosis support services: event report	Grey literature report on service provision. Case coordination/management is not mentioned.

Study	Reason for exclusion
Powell (2010) People with dementia living alone: what are their needs and what kind of support are they receiving?	Editorial
Quinn (2013) Negotiating the balance: the triadic relationship between spousal caregivers, people with dementia and Admiral Nurses	Not a study on care coordination/ management
Reilly (2006) Quality in long-term care homes for people with dementia	Report contains no qualitative evidence
Reilly (2006) Standards of care in day hospitals and day centres: a comparison of services for older people with dementia	Report contains no qualitative evidence
Robinson (2010) Primary care and dementia: 2. Long-term care at home: psychosocial interventions, information provision, carer support and case management	Systematic review of qualitative studies. References of included studies were searched to look for additional studies
Ryan (2008) Using the senses framework to achieve relationship-centred dementia care services: a case example	Study on a respite care intervention. Does not consider care coordination/management
Sampson (2012) Improving end of life care for people with dementia: a rapid participatory appraisal	Report contains no qualitative evidence
Samsi (2014) Care pathways for dementia: current perspectives	Narrative review/opinion article
Sells (2010) Person-centred risk management: the Traffic Light approach	Opinion article
Sinclair (2014) Diabetes and dementia in older people: A Best Clinical Practice Statement by a multidisciplinary National Expert Working Group	Narrative review/opinion article
Siobahn (2006) Quality in long-term care homes for people with dementia: an assessment of specialist provision	Report contains no qualitative evidence
Sixsmith (2012) Integrated dementia care: A case study	Conference abstract
Slaughter (2010) The Home Treatment Service for people with dementia: gaining client and carer feedback	Study on an intermediate care intervention. It does not involve care coordination/ management.
Stevenson (2006) An enhanced assessment and support team (EAST) for dementing elders - Review of a Scottish regional initiative	Report contains no primary qualitative evidence
Stevenson (2009) A mental health assessment and support team for community elders in Fife (EAST)	Quantitative survey of participant characteristics.
Taylor (2014) Advocacy, education, and the role of not-for-profit organizations in Lewy body dementias	Narrative review/opinion article.
Taylor (2015) The development of an evidence-based lewy body dementia practical management toolkit: Results from the diamond-lewy study	Conference abstract

Study	Reason for exclusion
Thompson (2006) Clinical comments. Interdisciplinary clinic for adults with early onset dementia in a mental health NHS trust	News article
Thompson (2009) Using life story work to enhance care	Opinion article
Timlin (2006) A comparative evaluation: two models of memory service	Report contains no primary qualitative evidence
Venables (2006) Standards of care in home care services: a comparison of generic and specialist services for older people with dementia	Not a relevant study design
Wheeler (2015) A specialist welfare advice and advocacy service for people with early onset dementia	Study on a Citizens Advice Bureau advice and advocacy service. No care coordination/management was involved.
Woolrych (2013) Toward integrated services for dementia: a formal carer perspective	Qualitative study of the experiences of paid carers
Yates (2014) Putting dementia into the heart of extra care housing in Wales: a case study from Mold	Grey literature case study of extra care housing. There is no mention of care coordination/management.
Woods (2013) Support in the community for people with dementia and their carers: a comparative outcome study of specialist mental health service interventions	Non-randomised quantitative observational study
Bowes (2016) RemoDem: Delivering support for people with dementia in remote areas.	This is a quantitative study. There is no qualitative component
Brooke (2016) Development of an activities care crew to support patients	This is a quantitative study. There is no qualitative component
Campbell (2016) Can timely provision of information increase carer confidence and improve the carer experience?	This is an abstract for a conference presentation
Cann (2016) Families' perspectives on the potential of a virtual MDT for patients with JHD	This is an abstract for a conference presentation
Chester (2016) People with dementia and carer preferences for home support services in early-stage dementia	This is a quantitative survey. There is no qualitative component
Evans (2016) Towards the end of life: An in-depth exploration of the role of Admiral Nursing in dementia care (Innovative practice)	The quotes are from Admiral Nurses (the intervention), not from people living with dementia or their carers. This study would have met our inclusion criteria if the outcomes were quotes from people living with dementia or their carers.
Gaugler (2016) Care to plan: an online tool that offers tailored support to dementia caregivers	This is a USA study, not a UK study
Bell (2016) Meeting the need: what makes a 'good' JSNA for mental health or dementia?	This report is not a qualitative study and does not have qualitative data
Brannelly (2017) An ordinary life: People with dementia living in a residential setting	This is a New Zealand study, not a UK study
Knight (2017) Management of long-term conditions and dementia: The role of the Admiral Nurse	There are three case studies. However, the outcomes are not presented in a qualitative format. In other words, there are no quotes from people living with dementia or their carers. The Admiral

Study	Reason for exclusion
	Nurses, who are the intervention, have interpreted the views of the participants
Quinn (2016) A review of self-management interventions for people with dementia and mild cognitive impairment	Systematic review that does not have qualitative evidence. We checked the reference list to ensure that we have included the relevant studies

### F.3.1.2 Quantitative evidence

Study	Reason for exclusion
Bass (1998) The buffering effect of a computer support network on caregiver strain	This is a study about an online information service. It does not involve staff proactively managing or coordinating.
Blom (2015) Effectiveness of an internet intervention for family caregivers of people with dementia: Results of a randomized controlled trial	This study is about a self-help intervention to manage depression and anxiety. It does not involve case management, care planning nor care co-ordination.
Bunn (2016) Specialist nursing and community support for the carers of people with dementia living at home: an evidence synthesis	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Cepoiu-Martin (2012) The effect of dementia case management in community-dwelling individuals with dementia on resource utilization: A systematic review and meta-analysis	This is an abstract for a conference poster.
Chodosh (2006) Effect of a Dementia Care Management Intervention on Primary Care Provider Knowledge, Attitudes, and Perceptions of Quality of Care	The outcomes relate to primary care provider knowledge, attitudes and perceptions of quality of dementia care. The outcomes do not involve patient nor carer outcomes nor costs.
Chodosh (2011) Dementia Care Management: Who Should Provide It?	This is an abstract for a conference poster.
Chodosh (2015) Implementing Dementia Care Management in a Medicare Managed Care Plan: A Randomized Controlled Trial	This is an abstract for a conference poster.
Connor (2008) Determining Care Management Activities Associated with Mastery and Relationship Strain for Dementia Caregivers	This is a before-and-after study of the intervention arm (only) of an RCT already included – Vickrey (2006).
Duru (2009) Cost Evaluation of a Coordinated Care Management Intervention for Dementia	Health economic study
Eichler (2014) The benefits of implementing a computerized Intervention-Management-System (IMS) on delivering integrated dementia care in the primary care setting	The outcomes involve a GP survey. The outcomes do not involve patient nor carer outcomes nor costs.
Fortinsky (2002) Helping family caregivers by linking primary care physicians with community-based dementia care services	There is no control group.
Ganz (2010) The effect of nurse practitioner co-management on quality of care of patients with chronic conditions in an academic geriatric practice.	This is an abstract for a conference poster.

Study	Reason for exclusion
Gridley (2014) Good practice in social care for disabled adults and older people with severe and complex needs: evidence from a scoping review	This systematic review did not identify any RCTs for people living with dementia.
Huusko (2000) Randomised, clinically controlled trial of intensive geriatric rehabilitation in patients with hip fracture: subgroup analysis of patients with dementia	This study is about a hospital management plan rather than about community care management or coordination.
Iliffe (2014) The effectiveness of collaborative care for people with memory problems in primary care: results of the CAREDEM case management modelling and feasibility study	This is a mixed-methods qualitative study, not a RCT.
Iliffe (2014) Introducing case management for people with dementia in primary care: A mixed-methods study	This is a mixed-methods qualitative study, not a RCT.
Johnston (2015) Development of a person-centered, community-based, multifaceted, dementia care-coordination program: MIND at home	This is an abstract for a conference poster.
Kaisey (2012) Predictors of acceptance of offered care management intervention services in a quality improvement trial for dementia	This is an analysis of characteristics of participants in the intervention arm (only) of an RCT already included – Vickrey (2006).
Khanassov (2014) Case management for dementia in primary health care: a systematic mixed studies review based on the diffusion of innovation model	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Khanassov (2016) Family Physician-Case Manager Collaboration and Needs of Patients With Dementia and Their Caregivers: A Systematic Mixed Studies Review	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Koch (2011) Dementia diagnosis and management: a narrative review of changing practice	This is a narrative review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Kwok (2012) Dementia diagnosis and management: a narrative review of changing practice	This is a mirror publication of Lam (2010). The data in Lam (2010) was cross-checked against this reference.
LaMantia (2015) The aging brain care medical home: preliminary data	There is no control group.
Laurant (2004) Impact of nurse practitioners on workload of general practitioners: randomised controlled trial	There are no outcomes from the perspective of people living with dementia or their carers. The outcome is GP workload.
Low (2011) A systematic review of different models of home and community care services for older persons	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Lu (2005). Hospital-community -family whole-course nursing modes for patients with Alzheimer disease	This study is not written in English, it is written in Chinese.
MacNeil Vroomen (2012) Comparing Dutch Case management care models for people with dementia and their caregivers: The design of the COMPAS study	This is a protocol for a study to be conducted.

Study	Reason for exclusion
MacNeil Vroomen (2012) Community-Dwelling Patients With Dementia and Their Informal Caregivers With and Without Case Management: 2-Year Outcomes of a Pragmatic Trial	This is a non-randomised study.
Marziali (2002) Case management reduced hospital admission in caregivers of people with Alzheimer's disease	This is a summary and commentary on Shelton (2001).
Meeuwssen (2013) Cost-effectiveness of one year dementia follow-up care by memory clinics or general practitioners: economic evaluation of a randomised controlled trial	Health economic study
Morgan (2015) A break-even analysis for dementia care collaboration: Partners in Dementia Care	Health economic study
Newcomer (1999) Effects of the Medicare Alzheimer's Disease Demonstration on Medicare Expenditures	Health economic study
Newcomer (1999) Effects of the Medicare Alzheimer's Disease Demonstration on the use of community-based services	Health economic study
Ontario Medical Advisory Secretariat (2008) Caregiver- and Patient-Directed Interventions for Dementia: An Evidence-Based Analysis	This systematic review looks at respite care, psychosocial interventions, multicomponent interventions, physical exercise, interventions to improve cognitive functioning and interventions to delay the onset of dementia. It does not review case management, care planning nor care co-ordination.
Parker (2008) Effectiveness of interventions that assist caregivers to support people with dementia living in the community: a systematic review	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Pimouguet (2010) Dementia case management effectiveness on health care costs and resource utilization: a systematic review of randomized controlled trials	Health economic study
Possin (2016) The dementia care ecosystem: Preliminary findings from a comprehensive telephone-based dementia care trial	This is an abstract for a conference poster.
Reilly (2015) Case management approaches to home support for people with dementia	This is a Cochrane systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Roberts (2000) Specialized Continuing Care Models For Persons with Dementia: A Systematic Review of the Research Literature	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Schoenmakers (2010) Supporting the dementia family caregiver: The effect of home care intervention on general well-being	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Seltzer (1992) Professional and family collaboration in case management: a hospital-based replication of a community-based study	This study included participants from a haemodialysis unit and a behavioural neurology unit in the USA. The study does not say how many participants from the behavioural neurology unit were living with dementia. Although behavioural neurology units probably have a high proportion of



Study	Reason for exclusion
	people who live with dementia, they probably also have a large proportion who have experienced other conditions, including strokes.
Smith (2015) Enhanced rehabilitation and care models for adults with dementia following hip fracture surgery (Review)	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Somme (2012) Analysis of case management programs for patients with dementia: A systematic review	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Stenvall (2012) A multidisciplinary intervention program improved the outcome after hip fracture for people with dementia—Subgroup analyses of a randomized controlled trial	This study is about a hospital management plan rather than about community care management or coordination.
Student (2013) Effectiveness of a multicomponent care coordination intervention on dementia caregivers in the community – a randomized control trial	This is an abstract for a conference poster.
Tam-Tham (2013) Dementia case management and risk of long-term care placement: a systematic review and meta-analysis	This is a systematic review. The reference list was checked against our findings to ensure that all relevant RCTs had been included.
Vellas (2011) Six month follow-up or annual visit: Which is better in a memory clinic?	This is an abstract for a conference poster.
Wong (2014) The Maximizing independence (MIND) at home care coordination program for elders with memory disorders: Effect on service utilization	This is an abstract for a conference poster.
Woods (2003) Support in the community for people with dementia and their carers: a comparative outcome study of specialist mental health service interventions	This is a non-randomised study.
Wortmann (2011) An intervention tool for lower and middle-income countries: Helping carers to care'	This is an abstract for a conference poster.
Wright (2001) Continuum of care for Alzheimer's disease: a nurse education and counseling program	This study is about an intervention to specifically reduce agitation rather than about providing more general care management or care coordination.
Yordi (1997) Caregiver supports: outcomes from the Medicare Alzheimer's disease demonstration	Health economic study
Zamrini (2013) Proactive dementia care: Year 2 experience	This is an abstract for a conference poster.

### F.3.2 Post diagnosis review for people living with dementia

- How should people living with dementia be reviewed post diagnosis?

Short Title	Title	Reason for exclusion
Banerjee (2007)	Improving the quality of care for mild to moderate dementia: an evaluation of the Croydon Memory Service Model	Cohort study looking at implementation of memory service following diagnosis only
Anon (2006)	Effectiveness and costs of post-diagnosis treatment in dementia coordinated by multidisciplinary memory clinics in comparison to treatment coordinated by GP's (Project record)	Research record only. Research article in Dutch
Anon (2007)	Comparison of effectiveness and costs of post-diagnosis treatment in dementia Or effectiveness and costs of post-diagnosis treatment in dementia coordinated by multidisciplinary memory clinics in comparison to treatment coordinated by general practitioners	Clinical trials record only
Bedard (1995)	Clinical trials in cognitively impaired older adults: Home versus clinic assessments	Compares reliability of clinics versus home care. Not relevant outcomes
Boise (2004)	Dementia assessment in primary care: results from a study in three managed care systems	Comparison based on severity of cognitive impairment (normal cognition, Mild-moderate impairment or moderate-severe impairment). Not relevant comparators
Chodosh (2015)	Dementia care management in an undeserved community: Comparative effectiveness of two different approaches	Study does not look at reviewing methods. Focus is on care management
Connolly (2012)	Quality of care provided to people with dementia: Utilisation and quality of the annual dementia review in general practice	Descriptive outcomes plus prediction of quality. Outcomes not relevant.
Dodd (2015)	The assessment of dementia in primary care	Commentary article
Freyne (2010)	Carer-rated needs assessment of a cohort of people with dementia	Carer reports. Not relevant outcomes
Giebel (2015)	South Asian older adults with memory impairment: Improving assessment and access to dementia care	Considers individual experiences. Only qualitative studies identified
Helmer (2008)	Primary and secondary care consultations in elderly demented individuals in France. Results from the Three-City Study	Does not compare primary and secondary care. No relevant outcomes
Kirchen-Peters (2014)	[Geropsychiatric consultation-liaison services. An answer to the challenges of dementia?]	Full text article in German
LoGiudice (1999)	Do memory clinics improve the quality of life of carers? A randomized pilot trial	Population is carers of people with dementia only. Not relevant outcomes

Short Title	Title	Reason for exclusion
McAiney (2012)	'Throwing a lifeline: The role of first link™ in enhancing support for individuals with dementia and their caregivers	Considers access to referral services. Not relevant outcomes
Meeuwssen (2013)	Effectiveness of dementia follow-up care by memory clinics or general practitioners: Randomised controlled trial. [Dutch]	Article in Dutch. English language full text paper included
Moniz-Cook (1998)	A preliminary study of the effects of early intervention with people with dementia and their families in a memory clinic	Intervention and outcomes more relevant to non-pharmacological questions (RQ28-30)
O' Connor (1991)	Does early intervention reduce the number of elderly people with dementia admitted to institutions for long term care?	Paper is more relevant to non-pharmacological interventions questions
Oderda (2011)	Pharmacist-managed telephone clinic review of antidementia medication effectiveness	Protocol only
Palm (2016)	Differences in Case Conferences in Dementia Specific vs Traditional Care Units in German Nursing Homes: Results from a Cross-Sectional Study	Compares Dementia specific care to traditional care units for people with and without dementia. Not relevant comparators
Paquin (2015)	Pharmacist calls to older adults with cognitive difficulties after discharge in a tertiary veterans affairs medical center: A quality improvement program	Study intervention not relevant. Does not consider relevant population
Riesner (2014)	[The role of family carers of people with dementia in the assessment of need on the example of the CarenapD study]	Full text article in German
Rozsa (2016)	Assessing people with dementia: the role of the aged care assessment team and memory clinics	Compares no dementia, MCI and people living with dementia. Not relevant comparators
Sonde (2013)	Is Drug Treatment for Dementia Followed Up in Primary Care? A Swedish Study of Dementia Clinics and Referring Primary Care Centres	Provides outcomes on numbers of prescribed drugs. Not relevant outcomes
Stevenson (2006)	An enhanced assessment and support team (EAST) for dementing elders-- Review of a Scottish regional initiative	Does not provide relevant outcomes
Szymczynska (2011)	A review of diagnostic process and postdiagnostic support for people with dementia in rural areas	Relevant papers previously identified for inclusion. Other papers qualitative design so not relevant
Van Den Dugen (2014)	Preferences regarding disclosure of a diagnosis of dementia: A systematic review	Systematic review looks at individual experiences: Qualitative papers only
Vermandere (2012)	[Care diagnosis for demented patients living at home. A new concept?]	Full text article in German
Vickrey (2006)	The effect of a disease management intervention on quality and outcomes of dementia care: A randomized, controlled trial	Outcomes in this paper consider adherence to protocols and are more relevant to the care-coordination question (question 6)



## F.4 Inpatient care

### F.4.1 Caring for people living with dementia who are admitted to hospital

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

Short Title	Title	Reason for exclusion
Aakhus (2009)	Single session educational programme for caregivers of psychogeriatric in-patients - Results from a randomised controlled pilot study	Population is carers of psychogeriatric inpatients- Not specific to carers of people living with dementia
Adams (2010)	The applicability of a recovery approach to nursing people with dementia	Narrative review only
Bail (2013)	Characteristics of rural hospital services for people with dementia: Findings from the Hospital Dementia Services Project	Provides mixed methodology. Qualitative findings and descriptive data only. No outcomes of relevance
Bakker (2014)	Virtuous health care transition for frail elderly	Conference abstract only
Bone (2010)	Evaluating person centred care and Dementia Care Mapping in a psychogeriatric hospital in New Zealand: a pilot study	Repeated measures design. Does not report comparative outcomes
Bronson (2015)	Providing information for family carers of hospital patients experiencing dementia	Intervention is a protocol for nurse's use. Outcomes based on nurse's experience. Not relevant outcomes
Catic (2013)	Preliminary data from an advanced dementia consult service: Integrating research, education, and clinical expertise	Before and after study. Only provides descriptive outcomes
Colenda (1988)	The delivery of health services to demented patients at a university hospital: a pilot study	Retrospective chart review. Results compared on use of services. No outcomes of relevance
Edgerton (2010)	Objective and Subjective Evaluation of a Redesigned Corridor Environment in a Psychiatric Hospital	Population is not dementia specific. Outcomes are not relevant
Edvardsson (2013)	The person-centred care of older people with cognitive impairment in acute care scale (POPAC)	Training intervention for care home staff population only
Featherstone (2015)	Underserved and overlooked: Investigating the management of refusal of care in people with dementia admitted to hospital with an acute condition (Project record)	Project record. Provides protocol information only. Results and links to other data not provided.
Fick (2014)	Facilitating person-centered care for the prevention of delirium in hospitalized persons with dementia	Conference abstract only
Kuske (2014)	Dementia considered? Safety-relevant communication between health care settings: a systematic review	Narrative synthesis. Only looks at transfer between care settings Includes 5 papers but all are non-specific to dementia population

Short Title	Title	Reason for exclusion
Manville (2014)	Improved outcomes for elderly patients who received care on a transitional care unit	Population was elderly with advanced levels of care but not dementia specific
Mazzei (2014)	Exploring the Influence of Environment on the Spatial Behavior of Older Adults in a Purpose-Built Acute Care Dementia Unit	Case study only. No relevant outcomes
Mitchell (2016)	Developing a dementia care pathway in acute care hospitals: A review of the literature	Conference abstract only
Mukadam (2011)	A systematic review of the prevalence, associations and outcomes of dementia in older general hospital inpatients	Systematic review looks at prevalence of dementia in inpatient populations. Not appropriate outcomes
Nichols (2002)	Windows to the heart: Creating an acute care dementia unit	Thematic analysis. Data presented qualitatively
Nieh (2014)	A tertiary hospital special care unit for dementia is cost-effective and improves outcomes	Conference abstract only
Nourhashemi (2010)	Effectiveness of a specific care plan in patients with Alzheimer's disease: cluster randomised trial (PLASA study)	Duplicate paper
O'Hanlon (2015)	The feasibility and validity of care mapping in the clinical neurosciences	Paper reports on validity of DCM and its use in a variety of settings with a variety of neurologically impaired populations not specific to dementia. Qualitative findings also
Perkins (1990)	Group counselling for relatives of hospitalized presenile dementia patients: a controlled study	Population had pre senile dementia. Outcomes not relevant
Pilotto (2009)	The Multidimensional Prognostic Index (MPI), based on a comprehensive geriatric assessment, predicts short- and long-term mortality in hospitalized older patients with dementia	Reports on prognostic value of assessment tool to predict mortality. No relevant outcomes
Ray (2015)	Systematic review of planned care transitions for persons with dementia	All relevant articles ordered for further consideration
Reilly (2006)	Standards of care in day hospitals and day centres: a comparison of services for older people with dementia	Does not consider inpatient settings. Compares residential day care to day centre.
Reuben (1995)	A randomized trial of comprehensive geriatric assessment in the care of hospitalized patients	Paper does not stratify by condition type. Non dementia specific population
Rieckmann (2009)	Concepts of care for people with dementia (Structured abstract)	Article is in German
Tan (2011)	Integrating person-centred care in discharge planning for people with dementia in acute hospitals	Conference abstract only
Taniguchi (2013)	Treatment in a ward for elderly patients with dementia in Japan	Paper reports descriptive outcomes only and provides no comparative data

Dementia  
Appendix F: Excluded studies

Short Title	Title	Reason for exclusion
Tibaldi (2004)	A randomized controlled trial of a home hospital intervention for frail elderly demented patients: behavioral disturbances and caregiver's stress	Compares Home intervention to general ward not relevant outcomes
Verbeek (2009)	Small, homelike care environments for older people with dementia: A literature review	Narrative review of environmental modifications in residential care. Does not consider hospital settings
Watts (2013)	The impact of family-style dining in care homes or hospitals	Systematic review. Most included papers cover the residential care home setting. One paper possibly suitable. Ordered for further consideration

## F.5 Care setting transitions

### F.5.1 Managing the transition between different settings for people living with dementia

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

Study	Reason for exclusion
Goldberg (2013) Comparison of a specialist Medical and Mental Health Unit with standard care for older people with delirium and dementia admitted to a general hospital: A randomised controlled trial (NIHR TEAM trial)	Presentation at a conference. The published trial is considered in this document elsewhere.
Ong T (2013). Does a specialist medical and mental health unit (MMHU) improve outcomes compared with standard care for confused older people admitted as an emergency: A service evaluation alongside a controlled clinical trial	Presentation at a conference.
Tan (2011). Integrating person-centred care in discharge planning for people with dementia in acute hospitals	Presentation at a conference.
Alzheimer'S Society. (2009). Counting the cost: caring for people with dementia on hospital wards. London: Alzheimer's Society.	Not peer reviewed.
Best (2013). Identification and management of patients' nutritional needs	Narrative review.
Bezzant (2008). Practice development: providing benefits for both managers and older patients with delirium [sic] and dementia	Opinion / narrative review.
Buswell (2016). Unplanned, urgent and emergency care: What are the roles that EMS plays in providing for older people with dementia? An integrative review of policy, professional recommendations and evidence	The focus is on emergency ambulance transport, rather than the destination. The authors report a lack of studies to draw any conclusions or recommendations.
Clissett (2014). The responses of healthcare professionals to the admission of people with cognitive impairment to acute hospital settings: an observational and interview study	The focus is on healthcare professionals, not the people living with dementia.
Cowdell (2008). 'That's how we do it...we treat them all the same': an exploration of the experiences of patients, lay carers and health and social care staff of the care received by older people with dementia in acute hospital settings. . Bournemouth University (United Kingdom).	Not a peer reviewed publication.
Cowdell (2010). Care of older people with dementia in an acute hospital setting	This is a mirror study with less information than one already included.
Cunningham (2006). Understanding challenging behaviour in patients with dementia	Narrative review and opinion.
Cunningham C. (2006). Managing pain in patients with dementia in hospital	Narrative review and opinion.
Cunningham (2006). Supporting people with dementia in acute hospital settings	Narrative review and opinion.
Curran (2010). A pilot study of the impact of NHS patient transportation on older people with dementia	Does not look at transfers to a different setting



Study	Reason for exclusion
Porock (2015). Disruption, control and coping: responses of and to the person with dementia in hospital	The study did not involve the perspective of any people living with dementia. Therefore, it is not possible to say that any conclusions drawn are relevant with certainty.
Dewing J (2016). What is the current state of care for older people with dementia in general hospitals? A literature review	Narrative review.
Doherty (2009). Caring for people with dementia in non-specialist settings	Narrative review.
Douglas-Dunbar (2007). Support for carers of people with dementia during hospital admission	Study on inpatient care
Edgerton (2010). Objective and subjective evaluation of a redesigned corridor environment in a psychiatric hospital	It is not possible to say how many people observed in this study had dementia. This study did not look at building design from the perspective of residential people living with dementia.
Evans (2015). Introduction to the transforming dementia care in hospitals series	Opinion / narrative review.
Masterson (2013). Improving environment: new tools for the job	Opinion / narrative review.
Edwards (2013). An evaluation of a therapeutic garden's influence on the quality of life of aged care residents with dementia	Non-UK qualitative study.
Archibald (2006). Meeting the nutritional needs of patients with dementia in hospital	Opinion / narrative review.
Ball (2012). The extent and nature of need for mealtime support among adults with intellectual disabilities	This study does not involve transitioning to a new environment. This study will be considered in the care planning review question.
Barnes (2013). Exploring the mealtime experience in residential care settings for older people: an observational study	This study does not involve transitioning to a new environment. This study will be considered in the care planning review question.
Barton (2005). The management of inappropriate vocalisation in dementia: A heirarchical approach	This study is not relevant to the review questions.
Bray (2015). Understanding the needs of people with dementia and family carers	This article is opinion. It does not include narratives of people living with dementia or their carers.
Brown (2016). Low stimulus environments: reducing noise levels in continuing care	This study does not include effects on people living with dementia.
Chakkalackal (2014). The value of peer support on cognitive improvement amongst older people living with dementia.	This study does not involve transitions to new environments.
Chakkalackal. (2014). Peer support groups to facilitate self-help coping strategies for people with dementia in extra care housing.	Not peer reviewed. This study does not involve transitions to new environments.
Clemson (2014). Unpacking the Evidence: Interventions for Reducing Behavioral and Psychological Symptoms in People with Dementia	This study does not involve transitions to new environments.
Cole (2012). Optimising nutrition for older people with dementia.	This study does not involve transitions to new environments.

Study	Reason for exclusion
Upton (2013). Touchscreen technology: the evidence	Opinion and this study does not involve transitions to new environments.
Argyle (2015). Implementing person centred dementia care: a musical intervention	This study does not involve transitions to new environments.
Elliot (2011). The creation of a Dementia Nurse Specialist role in an acute general hospital.	This study does not involve transitions to new environments.
University of Stirling (2013). Improving the design of housing to assist people with dementia	Not published in a peer reviewed publication.
Brooker (2007). Enriching opportunities for people living with dementia in nursing homes: an evaluation of a multi-level activity-based model of care	Evaluation of a care planning intervention
Torrington (2006). What has architecture got to do with dementia care? Explorations of the relationship between quality of life and building design in two EQUAL projects	This article is mostly opinion and it does not have any data collected from people living with dementia.
Waller (2013). Improving the patient experience: developing supportive design for people with dementia: the King's Fund's Enhancing the Healing Environment Programme 2009-2012.	This is a (non-peer reviewed) report with no data collected from people living with dementia.
Davies (2004) 'Making the move': relatives' experiences of the transition to a care home	Focuses only on carers, not the people living with dementia.
Kind (2016) The coordinated-transitional care (CTRAC) program: supporting patients with Alzheimer's dementia (AD) and their caregivers during care transitions from the hospital to the community	This is an abstract for a conference presentation
Mockford (2017) The development of service user-led recommendations for health and social care services on leaving hospital with memory loss or dementia-The SHARED study	The inclusion criteria included memory loss and none of the participants had a confirmed diagnosis of dementia. MMSEs were not performed or recorded. The findings are not relevant because post-diagnostic dementia care occurs after a diagnosis of dementia

## F.6 Modifying risk factors for dementia progression

### F.6.1 Risk factors for dementia progression

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

Study	Reason for exclusion
Aisen Ps, Thal Lj, Ferris Sh, Assaid C, Nessly Ml, Giuliani Mj, Lines Cr, Norman Ba, and Potter Wz. (2008). Rofecoxib in patients with mild cognitive impairment: further analyses of data from a randomized, double-blind, trial. <i>Current Alzheimer research</i> , 5(1), pp.73-82.	Participants had mild cognitive impairment and no dementia.
Ballard Clive G, Waite Jonathan, and Birks Jacqueline. (2006). Atypical antipsychotics for aggression and psychosis in Alzheimer's disease. <i>Cochrane Database of Systematic Reviews</i> , (1), CD003476.	Explored treatment of aggression and psychosis rather than the effect on progression of dementia.
Ballard C, Orrell M, Sun Y, Moniz-Cook E, Stafford J, Whitaker R, Woods B, Corbett A, Banerjee S, Testad I, Garrod L, Khan Z, Woodward-Carlton B, Wenborn J, and Fossey J. (2016). Impact of antipsychotic review and non-pharmacological intervention on health-related quality of life in people with dementia living in care homes: WHELD-a factorial cluster randomised controlled trial. <i>International Journal of Geriatric Psychiatry</i> . 32(10), pp.1094-1103.	Multimodal intervention consisting of exercise, antipsychotic review, social interaction and person-centred care. In relation to antipsychotic review, it is unclear whether medications were withdrawn or changed.
Barak Y, Plopski I, Tadger S, and Paleacu D. (2011). Escitalopram versus risperidone for the treatment of behavioral and psychotic symptoms associated with Alzheimer's disease: a randomized double-blind pilot study. <i>International psychogeriatrics</i> , 23(9), pp.1515-9.	Short-term follow-up (6 weeks).
Beishon L C, Harrison J K, Harwood R H, Robinson T G, Gladman J R, and Conroy S P. (2014). The evidence for treating hypertension in older people with dementia: a systematic review. <i>Journal of Human Hypertension</i> , 28(5), pp.283-7.	Some studies followed up participants for less than 6 months (minimum, 3 months). Other studies assessed primary prevention.
Blom K, Emmelot-Vonk M H, and Koek H L. (2013). The influence of vascular risk factors on cognitive decline in patients with dementia: a systematic review. <i>Maturitas</i> , 76(2), pp.113-7.	Narrative review, predominantly focussing on observational studies.
Bonner Lm, Robinson G, and Craft S. (2013). Care management for va patients with vascular risk factors and cognitive impairment: A randomized trial. <i>Alzheimer's &amp; dementia</i> , 9(4 suppl. 1), pp.P526-p527.	Conference abstract/presentation.
Culo S, Mulsant Bh, Rosen J, Mazumdar S, Blakesley Re, Houck Pr, and Pollock Bg. (2010). Treating neuropsychiatric symptoms in dementia with Lewy bodies: a randomized	Short-term follow-up (12 weeks).

Study	Reason for exclusion
controlled-trial. Alzheimer disease and associated disorders, 24(4), pp.360-4.	
Devanand D P, Mintzer J, Schultz S K, Andrews H F, Sultzer D L, De La Pena , D , Gupta S, Colon S, Schimming C, Pelton G H, and Levin B. (2012). Relapse risk after discontinuation of risperidone in Alzheimer's disease. <i>New England Journal of Medicine</i> , 367(16), pp.1497-1507.	Although study duration was 32 weeks, participants only received 16 weeks of active intervention or placebo and were then crossed over to the other treatment arm.
Eriksdotter M, Vedin I, Falahati F, Freund-Levi Y, Hjorth E, Faxen-Irving G, Wahlund Lo, Schultzberg M, Basun H, Cederholm T, and Palmblad J. (2015). Plasma Fatty Acid Profiles in Relation to Cognition and Gender in Alzheimer's Disease Patients During Oral Omega-3 Fatty Acid Supplementation: The OmegAD Study. <i>Journal of Alzheimer's disease: JAD</i> , 48(3), pp.805-12.	Explored the effectiveness of dietary supplements.
Jaturapatporn Darin, Isaac Mokhtar Gad El Kareem Nasr, McCleery Jenny, and Tabet Naji. (2012). Aspirin, steroidal and non-steroidal anti-inflammatory drugs for the treatment of Alzheimer's disease. <i>Cochrane Database of Systematic Reviews</i> , (2), CD006378.	Majority of studies followed-up participants for less than 6 months (minimum, 4 weeks).
Jongstra Susan, Harrison Jennifer K, Quinn Terry J, and Richard Edo. (2016). Antihypertensive withdrawal for the prevention of cognitive decline. <i>Cochrane Database of Systematic Reviews</i> , (11), CD011971.	Two studies were included: longest follow-up was 16 weeks.
Kamphuis P J. G. H, Verhey F R. J, Olde Rikkert, M G M, Twisk J W. R, Swinkels S H. N, and Scheltens P. (2011). Efficacy of a medical food on cognition in Alzheimer's Disease: Results from secondary analyses of a randomized, controlled trial. <i>Journal of Nutrition, and Health and Aging</i> , pp.1-5.	Explored the effectiveness of nutrition supplements.
Kamphuis P J. G. H, Verhey F R. J, Olde Rikkert, M G M, Twisk J W. R, Swinkels S H. N, and Scheltens P. (2011). Effect of a medical food on body mass index and activities of daily living in patients with Alzheimer's disease: Secondary analyses from a randomized, controlled trial. <i>Journal of Nutrition, and Health and Aging</i> , 15(8), pp.672-676.	Explored the effectiveness of nutrition supplements.
Kennedy J, Deberdt W, Siegal A, Micca J, Degenhardt E, Ahl J, Meyers A, Kaiser C, and Baker R W. (2005). Olanzapine does not enhance cognition in non-agitated and non-psychotic patients with mild to moderate Alzheimer's dementia. <i>International Journal of Geriatric Psychiatry</i> , 20(11), pp.1020-7.	Does not assess risk factor modification (removal of antipsychotics). Instead atypical antipsychotics are given to people living with dementia who did not have psychosis, agitation or depression.
Kirbach S, Simpson K, Nietert P J, and Mintzer J. (2008). A markov model of the cost effectiveness of olanzapine treatment for	Explored treatment of aggression and psychosis rather than the effect on progression of dementia.

Study	Reason for exclusion
agitation and psychosis in Alzheimer's disease. <i>Clinical Drug Investigation</i> , 28(5), pp.291-303.	
Leoutsakos J M, Muthen B O, Breitner J C, Lyketsos C G, and Team Adapt Research. (2012). Effects of non-steroidal anti-inflammatory drug treatments on cognitive decline vary by phase of pre-clinical Alzheimer disease: findings from the randomized controlled Alzheimer's Disease Anti-inflammatory Prevention Trial. <i>International Journal of Geriatric Psychiatry</i> , 27(4), pp.364-74.	Primary prevention (in people without dementia).
Lovett Ng. (2011). Does ibuprofen Slow the progression of alzheimer's disease? A systematic review. <i>Age and ageing</i> , 40, pp.i33.	Conference abstract/presentation.
McGuinness Bernadette, Craig David, Bullock Roger, Malouf Reem, and Passmore Peter. (2014). Statins for the treatment of dementia. <i>Cochrane Database of Systematic Reviews</i> , (7), CD007514.	Pooled data from studies reporting 6 month and 1 year follow-up. Individual studies were ordered and included.
McGuinness B, Cardwell Cr, and Passmore P. (2016). Statin withdrawal in people with dementia. <i>Cochrane database of systematic reviews</i> (9), CD012050.	No studies were identified from literature searches.
McLaren A N, Lamantia M A, and Callahan C M. (2013). Systematic review of non-pharmacologic interventions to delay functional decline in community-dwelling patients with dementia. <i>Aging &amp; Mental Health</i> , 17(6), pp.655-66.	Narrative review, predominantly focussing on exercise and occupational therapies.
Navratilova M, Jarkovsky J, Ceskova E, Leonard B, and Sobotka L. (2007). Alzheimer disease: Malnutrition and nutritional support. <i>Clinical and experimental pharmacology &amp; physiology</i> , 34(Suppl. 1), pp.S11-s13.	Explored the effectiveness of nutrition supplements.
Olde Rikkert Mg, Verhey Fr, Blesa R, Arnim Ca, Bongers A, Harrison J, Sijben J, Scarpini E, Vandewoude Mf, Vellas B, Witkamp R, Kamphuis Pj, and Scheltens P. (2015). Tolerability and safety of Souvenaid in patients with mild Alzheimer's disease: results of multi-center, 24-week, open-label extension study. <i>Journal of Alzheimer's disease : JAD</i> , 44(2), pp.471-80.	Explored the effectiveness of nutrition supplements.
Pandey R, Jha D, Pandey P, and Shah V. (2017). Network meta-analysis of randomized trials to compare the efficacy of NSAIDs, statins and vitamins in Alzheimer's disease. <i>Value in health</i> . Conference: ISPOR 19th annual European congress. Austria. Conference start: 20161029. Conference end: 20161102, 19(7), pp.A810.	Conference abstract/presentation.

Study	Reason for exclusion
Pardini M, Serrati C, Guida S, Mattei C, Abate L, Massucco D, Sassos D, Amore M, Krueger F, Cocito L, and Emberti Gialloreti L. (2015). Souvenaid reduces behavioral deficits and improves social cognition skills in frontotemporal dementia: a proof-of-concept study. <i>Neuro-degenerative diseases</i> , 15(1), pp.58-62.	Explored the effectiveness of nutrition supplements.
Remington R, Bechtel C, Larsen D, Samar A, Doshanjh L, Fishman P, Luo Y, Smyers K, Page R, Morrell C, and Shea Tb. (2015). A Phase II Randomized Clinical Trial of a Nutritional Formulation for Cognition and Mood in Alzheimer's Disease. <i>Journal of Alzheimer's disease</i> , 45(2), pp.395-405.	Explored the effectiveness of nutrition supplements.
Richard E, Kuiper R, Dijkgraaf M G, Van Gool, W A, Evaluation of Vascular care in Alzheimer's, and disease. (2009). Vascular care in patients with Alzheimer's disease with cerebrovascular lesions-a randomized clinical trial. <i>Journal of the American Geriatrics Society</i> , 57(5), pp.797-805.	Multi-component intervention (termed, vascular care) which includes vitamin supplements, antihypertensive and hypercholesterolemia interventions. Unable to determine what proportion of participants received each component.
Rouch L, Cestac P, Hanon O, Cool C, Helmer C, Bouhanick B, Chamontin B, Dartigues J F, Vellas B, and Andrieu S. (2015). Antihypertensive drugs, prevention of cognitive decline and dementia: a systematic review of observational studies, randomized controlled trials and meta-analyses, with discussion of potential mechanisms. <i>CNS Drugs</i> , 29(2), pp.113-30.	Primary prevention (in people without dementia).
Scheltens P, Kamphuis P J, Verhey F R, Olde Rikkert, M G, Wurtman R J, Wilkinson D, Twisk J W, and Kurz A. (2010). Efficacy of a medical food in mild Alzheimer's disease: A randomized, controlled trial. <i>Alzheimer's &amp; Dementia</i> , 6(1), pp.1-10.e1.	Explored the effectiveness of nutrition supplements.
Shah K, Qureshi S U, Johnson M, Parikh N, Schulz P E, and Kunik M E. (2009). Does use of antihypertensive drugs affect the incidence or progression of dementia? A systematic review. <i>American Journal of Geriatric Pharmacotherapy</i> , 7(5), pp.250-61.	Systematic review of mainly cohort and cross-sectional studies. Relevant randomised controlled trials were ordered.
Sparks DI, Sabbagh M, Connor D, Soares H, Lopez J, Stankovic G, Johnson-Traver S, Ziolkowski C, and Browne P. (2006). Statin therapy in Alzheimer's disease. <i>Acta neurologica Scandinavica</i> , 114(Suppl. 185), pp.78-86.	Review article discussing previous randomised controlled trials.
Stinton Chris, McKeith Ian, Taylor John-Paul, Lafortune Louise, Mioshi Eneida, Mak Elijah, Cambridge Victoria, Mason James, Thomas Alan, and O'Brien John T. (2015). Pharmacological management of Lewy body dementia: A systematic review and meta-	Systematic review and narrative review: Meta-analysis assessed the efficacy of cholinesterase inhibitors. Authors did discuss antipsychotic; however, this was mainly in the context of treating agitation and psychosis.

Study	Reason for exclusion
analysis. The American Journal of Psychiatry, 172(8), pp.731-742.	
Suominen Mh, Puranen Tm, Jyväkorpi Sk, Eloniemi-Sulkava U, Kautiainen H, Siljamäki-Ojansuu U, and Pitkalä Kh. (2015). Nutritional Guidance Improves Nutrient Intake and Quality of Life, and May Prevent Falls in Aged Persons with Alzheimer Disease Living with a Spouse (NuAD Trial). The journal of nutrition, and health & aging, 19(9), pp.901-7.	Assessed the effect of tailored nutritional guidance from a dietician (guidance varied per individual). Did not explore specific changes/modifications to diet.
Thoonsen H, Richard E, Bentham P, Gray R, van Geloven , N , De Haan , R J, Van Gool , W A, and Nederkoorn P J. (2010). Aspirin in Alzheimer's disease: increased risk of intracerebral hemorrhage: cause for concern? Stroke, 41(11), pp.2690-2.	The study explored the occurrence of intracranial haemorrhage as opposed to effect on progression of dementia/Alzheimer's disease. One of the included studies (Richard, 2009) was identified separately: participants received a multi-component intervention and it was not possible to determine what proportion of them received aspirin.
Waal H, Stam Cj, Lansbergen Mm, Wieggers RI, Kamphuis Pjgh, Scheltens P, Maestu F, and Straaten Ecw. (2014). The effect of souvenaid on functional brain network organisation in patients with mild Alzheimer's disease: A randomised controlled study. PloS one, 9(1), e86558.	Explored the effectiveness of nutrition supplements.
Ye R, Hu Y, Yao A, Yang Y, Shi Y, Jiang Y, and Zhang J. (2015). Impact of renin-angiotensin system-targeting antihypertensive drugs on treatment of Alzheimer's disease: a meta-analysis. International Journal of Clinical Practice, 69(6), pp.674-81	Systematic review of cohort studies and randomised controlled trials. Relevant studies were ordered and considered separately.

## F.7 Cholinesterase inhibitors and memantine for dementia

### F.7.1 Cholinesterase inhibitors and memantine for people living with Alzheimer's disease

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

Study	Reason for Exclusion
20150408, Prescribing drugs for Alzheimer's disease in primary care: managing cognitive symptoms, Drug & Therapeutics Bulletin, 52, 69-72, 2014	Exclude: Narrative review only
Alander,J., Lonroos,E., Hartikainen,S., Klaukka,T., 20060425, Nationwide use of medicines for Alzheimer's disease by community-dwelling persons in Finland, Journal of the American Geriatrics SocietyJ.Am.Geriatr.Soc., 54, 557-558, 2006	Exclude: Letter only
Antai-Otong,Deborah, Acetylcholinesterase Inhibitors in Dementia. [References], Perspectives in Psychiatric Care, 39, 83-85, 2003	Exclude: Review article only
Arai,T., 20080221, Practical clinical use of therapeutic agents for Alzheimer's disease. [Review] [34 refs], Nippon Yakurigaku Zasshi - Folia Pharmacologica Japonica, 130, 494-498, 2007	Exclude. Non English language paper
Atri,A., 20120508, Effective pharmacological management of Alzheimer's disease. [Review], American Journal of Managed Care, 17, Suppl-55, 2011	Exclude: Narrative review only
Benbow,S., Jones,R., Jolley,D., 19991021, Prescribing. Short rations, Health Service Journal, 109, 26-27, 1999	Exclude: Narrative review
Bishop,J., Hutchinson,J., Steffen,W.M., Review of Alzheimer's disease treatment at 8 Omnicare long-term care treatment facilities in Minnesota, Formulary, 38, 441-442, 2003	Exclude: Does not report outcomes of interest in prescribing or reviewing
Boustani,M., Hake,A.M., Shah,S., Knoth,R., Wyrwich,K., Oresana,J., Realworld prescribing in the treatment of Alzheimer's disease: Results of an in-depth physician survey, Alzheimer's and DementiaAlzheimer's Dementia, 8, 130-, 2012	Exclude: Narrative review
Bouwmeester,C., Chen,H., Assessment of antidementia medication prescribing patterns in a community setting according to a proposed treatment algorithm in a PACE program, Consultant PharmacistConsult.Pharm., 26, 734-, 2011	Exclude: Abstract only
Brewer,L., Bennett,K., McGreevy,C., Williams,D., 20131106, A population-based study of dosing and persistence with anti-dementia medications, European Journal of Clinical PharmacologyEur.J.Clin.Pharmacol., 69, 1467-1475, 2013	Exclude: Only reports dosing trends
Cameron,I., Curran,S., Newton,P., Petty,D., Wattis,J., 20001122, Use of donepezil for the treatment of mild-moderate Alzheimer's disease: an audit of the assessment and treatment of patients in routine clinical practice, International Journal of Geriatric PsychiatryInt.J.Geriatr.Psychiatry, 15, 887-891, 2000	Exclude: Does not report prescribing practices
Chertkow,H., Diagnosis and treatment of dementia: Introduction - Introducing a series based on the Third Canadian Consensus Conference on the Diagnosis and Treatment of Dementia, CMAJ, 178, 316-321, 2008	Exclude: Narrative review



Study	Reason for Exclusion
Costa,A.C., 20120730, Alzheimer disease: Treatment of Alzheimer disease in Down syndrome, Nature Reviews NeurologyNat.Rev.Neurol., 8, 182-184, 2012	Exclude: Narrative summary
Cummings,J.L., Frank,J.C., Cherry,D., Kohatsu,N.D., Kemp,B., Hewett,L., Mittman,B., Guidelines for managing Alzheimer's disease: Part II. Treatment, American Family PhysicianAm.Fam.Phys., 65, 2525-2534, 2002	Exclude: Narrative review only
Cummings,J.L., Isaacson,R.S., Schmitt,F.A., Velting,D.M., 20150327, A practical algorithm for managing Alzheimer's disease: what, when, and why?. [Review], Annals of Clinical & Translational Neurology, 2, 307-323, 2015	Exclude: Narrative summary only
Cummings,J.L., 20030703, Use of cholinesterase inhibitors in clinical practice: evidence-based recommendations. [Review] [87 refs], American Journal of Geriatric PsychiatryAm.J.Geriatr.Psychiatry, 11, 131-145, 2003	Exclude: Only reports on efficacy not prescribing/ reviewing practices
Curran,S., Habibi,M., Mitra,L., Stephenson,J., Nagarajan,P., Khan,A., Use of acetylcholinesterase inhibitors in routine clinical practice, European NeuropsychopharmacologyEur.Neuropsychopharmacol., 24, S636-S637, 2014	Exclude: Abstract only
Dimitrov,I., Kaprelyan,A., Usheva,N., Ivanov,B., Alzheimer's disease outpatient referrals to a dementia centre: Diagnostic challenges, Neurodegenerative DiseasesNeurodegenerative Dis., 15, 1116-, 2015	Exclude: Abstract only
Droeschel,D., Kaier,K., Walzer,S., The clinical evidence base of treatment options in alzheimer's disease: A systematic literature search, Value in HealthValue Health, 17, A392-, 2014	Exclude: Abstract only
Dybicz,S.B., Keohane,D.J., Erwin,W.G., McRae,T., Shah,S.N., 20061114, Patterns of cholinesterase-inhibitor use in the nursing home setting: a retrospective analysis, American Journal of Geriatric PharmacotherapyAm.J.Geriatr.Pharmacother., 4, 154-160, 2006	Exclude: Does not provide information relating to speciality status of prescribing physician
Farlow,M.R., Cummings,J.L., 20070522, Effective pharmacologic management of Alzheimer's disease. [Review] [78 refs], American Journal of MedicineAm.J.Med., 120, 388-397, 2007	Exclude: Narrative review only
Ferris,S., Meng,X., Velting,D., Caregiver treatment preference/satisfaction and efficacy among patients in the optimising transdermal exelon in mild-to-moderate alzheimer's disease (optima) study, Neurology, 84, -, 2015	Exclude: Abstract only
Finne-Soveri,U.H., Noro,A., Topinkova,E., Fialovsa,D., Foebel,A.D., Onder,G., Gindin,J., Bernabei,R., Makela,M., Use of anti-dementia drugs in nursing homes, European Geriatric MedicineEur.Geriatr.Med., 5, S93-, 2014	Exclude: Abstract only
Finucane,T.E., Tariot,P.N., Cummings,J.L., Katz,I.R., Mintzer,J., Perdomo,C.A., Getting donepezil into the nursing home. A randomized, double-blind, placebo-controlled study of the efficacy and safety of donepezil in patients with Alzheimer's disease in the nursing home setting, Journal of the American Geriatrics SocietyJ.Am.Geriatr.Soc., 51, 133-134, 2003	Exclude: Letter
Flint,A.J., van,Reekum R., 19990322, The pharmacologic treatment of Alzheimer's disease: a guide for the general psychiatrist. [Review] [56 refs], Canadian Journal of Psychiatry - Revue Canadienne de Psychiatrie, 43, 689-697, 1998	Exclude: Review article

Study	Reason for Exclusion
Fortinsky,R.H., Zlateva,I., Delaney,C., Kleppinger,A., 20100709, Primary care physicians' dementia care practices: evidence of geographic variation, <i>Gerontologist</i> , 50, 179-191, 2010	Exclude: Does not report on Alzheimer's subgroup speciality status of physician prescribing
Geldmacher,D.S., Long-Term Cholinesterase Inhibitor Therapy for Alzheimer's Disease: Practical Considerations for the Primary Care Physician, <i>Prim.Care Companion J Clin Psychiatry</i> , 5, 251-259, 2003	Exclude: Review article
Greeff,O.B.W., Alzheimer's disease in family practice, <i>South African Family PracticeS.Afr.Fam.Pract.</i> , 51, 364-367, 2009	Exclude: Narrative review
Hefner,G., Brueckner,A., Hiemke,C., Fellgiebel,A., Therapeutic drug monitoring for patients with Alzheimer dementia to improve treatment with donepezil, <i>Therapeutic Drug MonitoringTher.Drug Monit.</i> , 37, 353-361, 2015	Exclude: Reports only upon outcomes of drug monitoring and does not report which health care professionals are involved
Herrmann,N., 20070613, Treatment of moderate to severe Alzheimer's disease: rationale and trial design. [Review] [48 refs], <i>Canadian Journal of Neurological SciencesCan.J.Neurol.Sci.</i> , 34, Suppl-8, 2007	Exclude: Does not report outcomes of interest
Herrmann,Nathan, Gauthier,Serge, Diagnosis and treatment of dementia: 6. Management of severe Alzheimer disease. [References], <i>Canadian Medical Association Journal</i> , 179, 1279-1287, 2008	Exclude: Narrative review
Hincu,A.M., Dumitru,M.M., Efficiency of early treatment in Alzheimer's disease, <i>European NeuropsychopharmacologyEur.Neuropsychopharmacol.</i> , 24, S640-, 2014	Exclude: Abstract only
Jani,J., Prettyman,R., Use of a prescribing protocol in routine clinical practice: Experience following the introduction of donepezil, <i>Psychiatric BulletinPsychiatr.Bull.</i> , 25, 174-177, 2001	Exclude: Does not report on prescribing practices
Janssen Pharmaceutica,N.V., Treatment of Severe Alzheimer's Disease in a Residential Home, Nursing Home, or Geriatric Residential Setting: Evaluation of Efficacy and Safety of Galantamine Hydrobromide in a Randomised, Doubleblind, Placebo-Controlled Study, <i>ClinicalTrials.gov</i> [http://clinicaltrials.gov], -, 2006	Exclude: Protocol only
Jeschke,E., Ostermann,T., Vollmar,H.C., Tabali,M., Bockelbrink,A., Witt,C., Willich,S.N., Matthes,H., Prescribing practices in a German network of anthroposophic physicians for the treatment of patients with dementia: A prospective observational study, <i>European Journal of Integrative MedicineEur.J.Integr.Med.</i> , 2, 229-230, 2010	Exclude: Conference abstract Only covers people with dementia (does not specify Alzheimer's Disease)
Kennedy,S., Sud,D., 20140731, A guide to prescribing anti-dementia medication, <i>Nursing Times</i> , 110, 16-18, 2014	Exclude: Narrative summary
Kim,R., Teschemaker,A., Lee,E., Prescribing patterns of medications with cholinergic and anticholinergic properties in the U.S. ambulatory care setting, <i>Journal of the American Pharmacists AssociationJ.Am.Pharm.Assoc.</i> , 50, 305-, 2010	Exclude: Abstract only
Kozubski,W., Hasselbalch,S., Jakab,G., Kalisvaart,C.J., Kurz,A., McCarthy,J., Triau,E., Tsolaki,M., Bergendorff,L., Xu,Y., Kumar,N., Richardson,S., Johannsen,P., Donepezil-Treated Alzheimer's Disease Patients With Apparent Initial Cognitive Decline Demonstrate Significant Benefits When Therapy Is	Exclude: Abstract only

Study	Reason for Exclusion
Continued: Results From a Randomized, Placebo-Controlled Trial, European Neuropsychopharmacology Eur.Neuropsychopharmacol., 13, S405-, 2003	
Krall,W.J., Sramek,J.J., Cutler,N.R., 19990720, Cholinesterase inhibitors: a therapeutic strategy for Alzheimer disease. [Review] [129 refs], Annals of Pharmacotherapy Ann.Pharmacother., 33, 441-450, 1999	Exclude: Review article
Lachaine,J., Lambert-Obry,V., Dionne,P.A., Health care resources utilization in Alzheimer's disease: An analysis with the Quebec provincial drug reimbursement program database, Value in Health Value Health, 16, A622-, 2013	Exclude: Abstract only
Larsson,H., Bengtsson,M.W., Johansson,M.K., Hernborg,A., Lindahl,U., Seling,K., Schioler,H., Hoffmann,M., Treatment of alzheimer disease in sweden 2006- 2010. Incidence, Prevalence, and duration of drug treatment-trends and regional variation, Pharmacoepidemiology and Drug Safety Pharmacoepidemiol.Drug Saf., 20, S299-, 2011	Exclude: Abstract only
Lin,P., Management of Alzheimer's disease in primary care practice: Relative efficacy of pharmacologic options, Clinical Geriatrics Clin.Geriatr., 13, 13-23, 2005	Exclude: Narrative review
Linkins,K.W., Lloyd,J.R., Treatment of Alzheimer's disease patients in a managed care organization: A descriptive study of costs and utilization, Drug Benefit Trends, 12, 6BH-12BH, 2000	Exclude: Health economics reporting only
Maneno,M.K., Lee,E., Wutoh,A.K., Zuckerman,I.H., Jackson,P., Lombardo,F.A., Scott,K.R., Xue,Z., 20060518, National patterns of dementia treatment among elderly ambulatory patients, Journal of the National Medical Association J.Natl.Med.Assoc., 98, 430-435, 2006	Exclude: Does not include outcomes of interest
Marin,D.B., Sewell,M.C., Schlechter,A., Alzheimer's disease: Accurate and early diagnosis in the primary care setting, Geriatrics, 57, 36-40, 2002	Exclude: Non prescribing Narrative review only
Massoud,Fadi, Dorais,Marc, Charbonneau,Claudie, Lescrauwaet,Benedicte, Boucher,Jean Marc, Le Lorier,Jacques, Drug utilization review of cholinesterase inhibitors in Quebec. [References], The Canadian Journal of Neurological Sciences / Le Journal Canadien Des Sciences Neurologiques, 35, 508-509, 2008	Exclude: Does not sub-analyse outcomes by physician speciality
Mayeux,R., 20100622, Clinical practice. Early Alzheimer's disease. [Review] [54 refs][Erratum appears in N Engl J Med. 2010 Sep 16;363(12):1190], New England Journal of Medicine New Engl.J.Med., 362, 2194-2201, 2010	Exclude: Narrative review
Meranus,D., Monsell,S., Thomas,G., Kukull,W., Cholinesterase inhibitors and memantine use in the national Alzheimer's coordinating center's uniform data set: A longitudinal assessment of real-world medication use in dementia, Alzheimer's and Dementia Alzheimer's Dementia, 8, 711-, 2012	Exclude: Abstract only
Oremus,M., Wolfson,C., Bergman,H., Vandal,A.C., Physicians' efficacy requirements for prescribing medications to persons with Alzheimer's disease, Canadian Journal on Aging Can.J.Aging, 26, 139-148, 2007	Exclude: Only provides information on hypothetical prescribing practices
Pedone,C., Lapane,K.L., Mor,V., Bernabei,R., 20040618, Donepezil use in US nursing homes, Aging-Clinical & Experimental Research, 16, 60-67, 2004	Exclude: Does not report outcomes of interest in prescribing roles

Study	Reason for Exclusion
Peisah,C., Brodaty,H., Managing Alzheimer's disease the role of the GP, <i>Medicine Today</i> Med.Today, 5, 16-24, 2004	Exclude: Guideline only
Rakusa,M., Kogoj,A., Stokin,G.B., Why acetylcholine esterase inhibitors or memantine (AEI/M) are not prescribed to patients with alzheimer's disease (AD), <i>European Journal of Neurology</i> Eur.J.Neurol., 18, 68-, 2011	Exclude: Abstract only
Rattinger,G.B., DeLisle,S., Onukwugha,E., Mullins,C.D., Prescribing patterns among dementia patients at the Veterans Affairs Maryland Health Care System (VAMHCS), <i>Value in Health</i> Value Health, 12, A14-, 2009	Exclude: Abstract only
Sonde,L., Johnell,K., 20130806, Is drug treatment for dementia followed up in primary care? A Swedish study of dementia clinics and referring primary care centres, <i>PLoS ONE [Electronic Resource]</i> , 8, e57161-, 2013	Exclude: Data includes population with AD and VaD (does not sub-analyse outcomes by type of dementia )
Truter,I., Prescribing for alzheimer's disease: A database analysis of a south african pharmacy group, <i>Basic and Clinical Pharmacology and Toxicology</i> Basic Clin.Pharmacol.Toxicol., 105, 132-, 2009	Exclude: Abstract only
Truter,I., Prescribing patterns and cost of drugs for Alzheimer's disease, <i>Value in Health</i> Value Health, 14, A288-, 2011	Exclude: Abstract only
Truter,I., 20100412, Prescribing of drugs for Alzheimer's disease: a South African database analysis, <i>International Psychogeriatrics</i> Int.Psychogeriatr., 22, 264-269, 2010	Exclude: Abstract only
van den Bussche,H., Kaduszkiewicz,H., Koller,D., Eisele,M., Steinmann,S., Glaeske,G., Wiese,B., 20120202, Antidementia drug prescription sources and patterns after the diagnosis of dementia in Germany: results of a claims data-based 1-year follow-up, <i>International Clinical Psychopharmacology</i> Int.Clin.Psychopharmacol., 26, 225-231, 2011	Exclude: Emailed author for relevant data on prescribing but did not receive response.
Villar-Fernandez,I., Bjerrum,L., Feja,C., Rabanaque,M.J., 20100126, Variability in the prescription of cholinesterase inhibitors and memantine, <i>Dementia &amp; Geriatric Cognitive Disorders</i> , 28, 373-379, 2009	Exclude: Does not report who was the prescriber
Wagle,K.C., Natali,B., Taffet,G.E., Cholinesterase inhibitor initiation in hospital setting, <i>Journal of the American Geriatrics Society</i> J.Am.Geriatr.Soc., 59, 1988-1989, 2011	Exclude: Letter
Wagle,K.C., Poon,I., Nijgha,C., Rowan,P., Braun,U., Taffet,G., Cholinesterase inhibitor use in an inpatient setting, <i>Journal of the American Geriatrics Society</i> J.Am.Geriatr.Soc., 60, S215-, 2012	Exclude: Abstract only
Watts-Tobin,M.A., Horn,N., 20000512, Prescribing donepezil in clinical practice, <i>British Journal of Psychiatry</i> Br.J.Psychiatry, 175, 393-, 1999	Exclude: Letter only
Wucherer,D., Eichler,T., Kilimann,I., Hertel,J., Michalowsky,B., Thyrian,J.R., Teipel,S., Hoffmann,W., Antidementia drug treatment in people screened positive for dementia in primary care, <i>Journal of Alzheimer's Disease</i> J.Alzheimer's Dis., 44, 1015-1021, 2015	Exclude: Outcomes of interest including speciality of the prescriber were not reported

## F.7.2 Cholinesterase inhibitors and memantine in Alzheimer's disease

- How effective is the co-prescription of cholinesterase inhibitors and memantine for the treatment of Alzheimer's disease?
- When should treatment with donepezil, galantamine, rivastigmine, memantine be withdrawn for people with Alzheimer's disease?

### F.7.2.1 Co-prescription

Short Title	Title	Reason for exclusion
Alva (2015)	Adding memantine to stable cholinesterase inhibitor therapy in patients with moderate to severe alzheimer's disease is associated with improvement in various neuropsychiatric symptoms: A pooled analysis	Poster abstract only
Atri (2008)	Long-term course and effectiveness of combination therapy in Alzheimer disease	Cohort study
Atri (2012)	Validity, significance, strengths, limitations, and evidentiary value of real-world clinical data for combination therapy in Alzheimer's disease: comparison of efficacy and effectiveness studies	Not relevant comparators. Looks at validity of outcomes drawn from RCTs compared to outcomes from observational cohort studies
Atri (2013)	Memantine in patients with Alzheimer's disease receiving donepezil: New analyses of efficacy and safety for combination therapy	Post hoc analysis of Tariot 2004 & Porsteinsson 2008
Bond (2012)	The effectiveness and cost-effectiveness of donepezil, galantamine, rivastigmine and memantine for the treatment of Alzheimer's disease (review of Technology Appraisal No. 111): a systematic review and economic model	Includes 17 RCTs but does not consider co-prescription
Chen (2012)	Efficacy and safety of memantine versus donepezil for Alzheimer's disease: a meta-analysis (Provisional abstract)	Full text article in Chinese
Christensen (2012)	Higher-dose (23 mg/day) donepezil formulation for the treatment of patients with moderate-to-severe Alzheimer's disease	Compares different doses of donepezil. No co-prescription comparator
Cre?u (2008)	[Effect of memantine treatment on patients with moderate-to-severe Alzheimer's disease treated with donepezil]	Full text only available in Romanian
Dantoine (2006)	Rivastigmine monotherapy and combination therapy with memantine in patients with moderately severe Alzheimer's disease who failed to benefit from previous cholinesterase inhibitor treatment	Non randomised open label pilot
Deardorff (2016)	A fixed-dose combination of memantine extended-release and donepezil in the treatment of moderate-to-severe Alzheimer's disease	Literature review of available evidence. Relevant trial (DOMINO AD) already identified for inclusion
Di Santo (2013)	A meta-analysis of the efficacy of donepezil, rivastigmine, galantamine, and memantine in relation to severity of Alzheimer's disease	Meta-analysis covering monotherapy of AChEIs/ memantine

Short Title	Title	Reason for exclusion
Doody (2012)	Efficacy and safety of donepezil 23 mg versus donepezil 10 mg for moderate-to-severe Alzheimer's disease: a subgroup analysis in patients already taking or not taking concomitant memantine	Non-randomised comparator. Post hoc sub analysis of different dosing donepezil
Farrimond (2012)	Memantine and cholinesterase inhibitor combination therapy for Alzheimer's disease: a systematic review	Systematic review including 4 studies previously identified for consideration
Feldman (2006)	Activities of daily living in moderate-to-severe Alzheimer disease: an analysis of the treatment effects of memantine in patients receiving stable donepezil treatment	Post hoc analysis of Tariot 2004
Fox (2006)	Memantine combined with an acetyl cholinesterase inhibitor - hope for the future?	Literature review of available evidence. Relevant studies previously identified for inclusion
Frampton (2014)	Rivastigmine transdermal patch 13.3 mg/24 h: A review of its use in the management of mild to moderate Alzheimer's dementia	Post hoc analysis of OPTIMA trial. Considers monotherapy (increasing dose) of Rivastigmine. No co-prescription comparator
Gauthier (2013)	Benefits of combined cholinesterase inhibitor and memantine treatment in moderate-severe Alzheimer's disease	Literature review of relevant studies. All full texts previously ordered for inclusion
Grossberg (2015)	Evaluating high-dose rivastigmine patch in severe Alzheimer's disease: analyses with concomitant memantine usage as a factor	Post hoc analysis of sub populations of concomitant memantine use in ACTION trial (looking at different dosing of rivastigmine). Outcomes not relevant
Han (2012)	Response to rivastigmine transdermal patch or memantine plus rivastigmine patch is affected by apolipoprotein E genotype in Alzheimer patients	Compares outcomes for APOE4 carriers to non-carriers. Inappropriate comparator
Hartmann (2003)	Tolerability of memantine in combination with cholinesterase inhibitors in dementia therapy	Observational analyses. Not relevant outcomes
Howard (2012)	Donepezil or memantine improved cognitive functioning in moderate-to-severe Alzheimer disease	Abstract of DOMINO AD and commentary
Hyde (2013)	Evolution of the evidence on the effectiveness and cost-effectiveness of acetylcholinesterase inhibitors and memantine for Alzheimer's disease: systematic review and economic model	Focus is on monotherapy. Does not consider co-prescription
Jones (2007)	Safety and tolerability of once-daily versus twice-daily memantine: a randomised, double-blind study in moderate to severe Alzheimer's disease	Memantine only. No co-prescription
Kano (2013)	Clinically meaningful treatment responses after switching to galantamine and with addition of memantine in patients with Alzheimer's disease receiving donepezil	Relevant data unextractable

Short Title	Title	Reason for exclusion
Lopez (2009)	Long-term effects of the concomitant use of memantine with cholinesterase inhibition in Alzheimer disease.	Long term analysis only. Not relevant outcomes
Matsunaga (2015)	Combination therapy with cholinesterase inhibitors and memantine for alzheimer's disease: A systematic review and meta-Analysis	All relevant studies previously identified for consideration
Matsuzono (2015)	Combination Therapy of Cholinesterase Inhibitor (Donepezil or Galantamine) plus Memantine in the Okayama Memantine Study	Full text not available
Mayer (2013)	How safe is combination memantine/donepezil treatment in people with Alzheimer's disease? Safety evaluations based on 23 clinical studies	Abstract only
Mohan (2009)	Donepezil for dementia in people with Down syndrome	One study included. Looks at donepezil v placebo. Inappropriate intervention (no co-prescription)
Molino (2013)	Efficacy of memantine, donepezil, or their association in moderate-severe Alzheimer's disease: a review of clinical trials	Literature review. Includes 2 relevant studies on coprescribing. Both identified previously for inclusion
Muayquil (2012)	Systematic review and meta-analysis of combination therapy with cholinesterase inhibitors and memantine in Alzheimer's disease and other dementias	All trials previously identified for inclusion and full text retrieved
Olin (2010)	Safety and tolerability of rivastigmine capsule with memantine in patients with probable Alzheimer's disease: a 26-week, open-label, prospective trial (Study ENA713B US32)	Non randomised single arm pilot study. No comparator
Peters (2015)	Combined treatment with memantine and galantamine-CR compared with galantamine-CR only in antidementia drug naive patients with mild-to-moderate Alzheimer's disease	Relevant data unextractable
Riepe (2006)	Adding memantine to rivastigmine therapy in patients with mild-to-moderate alzheimer's disease: results of a 12-week, open-label pilot study	Study comparisons not appropriate. Compares open label study to published trial data
Riepe (2007)	Domain-specific improvement of cognition on memantine in patients with Alzheimer's disease treated with rivastigmine	Open label single arm pilot study. Only change from baseline reported. Not appropriate outcomes
Riverol (2011)	Efficacy and tolerability of a combination treatment of memantine and donepezil for alzheimer's disease: A literature review evidence	Literature review. Includes 3 studies previously identified for inclusion
Safirstein (2010)	Rivastigmine and concomitant memantine in alzheimer's disease: Safety and tolerability	Compares outcomes from two single arm designs. Not appropriate comparators

Short Title	Title	Reason for exclusion
Schmitt (2006)	Cognitive response to memantine in moderate to severe Alzheimer disease patients already receiving donepezil: an exploratory reanalysis	Post hoc analysis of Tariot 2004
Seltzer (2010)	Galantamine-ER for the treatment of mild-to-moderate Alzheimer's disease	Narrative review
Shua-Haim (2008)	Steady-state pharmacokinetics of rivastigmine in patients with mild to moderate Alzheimer's disease not affected by co-administration of memantine: an open-label, crossover, single-centre study	Open label trial. Looks at plasma concentrations. No outcomes of interest
Sonali (2013)	Clinical effectiveness of rivastigmine monotherapy and combination therapy in Alzheimer's patients	Only considers genotypic correlations. Outcomes not relevant
Tariot (2003)	Memantine/donepezil dual therapy is superior to placebo/donepezil therapy for treatment of moderate to severe alzheimer's disease	Abstract only
Tariot (2014)	Important error in 'systematic review and meta-analysis of combination therapy with cholinesterase inhibitors and memantine in Alzheimer's disease and other dementias' by muayqil and camicioli	Relevant to Muayqil
Tsoi (2016)	Combination Therapy Showed Limited Superiority Over Monotherapy for Alzheimer Disease: A Meta-analysis of 14 Randomized Trials	Includes 14 trials previously identified.
Zhang (2016)	A study on the combinational effect of cholinesterase inhibitors and NDMA receptor antagonist with herbal therapy among Alzheimer's disease patients	Non-randomised 3 arm trial of the 3 AChEIs. Control group comparison did not have AD

#### F.7.2.2 Withdrawal

Short Title	Title	Reason for exclusion
Adami (2011)	Cessation versus continuation of 12 months galantamine therapy in patients with Alzheimer's disease: A randomised, double blind, placebo controlled withdrawal trial	Conference abstract
Add (2008)	Alzheimer's Drug Duration - Impact on Functionality: a pragmatic trial of continuing, stopping or switching cholinesterase inhibitors among patients with indeterminate response	Trial protocol
Baakman (2013)	Response to an acute pharmacological challenge with galantamine as a predictor for responsiveness to long-term treatment	Conference abstract
Ballard (2015)	A double-blind randomized placebo-controlled withdrawal trial comparing memantine and antipsychotics for the long-term treatment of function and neuropsychiatric symptoms in people with Alzheimer's disease (MAIN-AD)	Intervention not relevant
Barner (1998)	Donepezil use in Alzheimer disease	Systematic review, of which reference list was checked
Blanco (2013)	Acetylcholinesterase inhibitors for alzheimer disease. A systematic review and meta-analysis of randomized clinical trials	Conference abstract



Short Title	Title	Reason for exclusion
Burback (1999)	Key methodological features of randomized controlled trials of Alzheimer's disease therapy. Minimal clinically important difference, sample size and trial duration	Methodological paper
Droeschel (2014)	The clinical evidence base of treatment options in Alzheimer's disease: A systematic literature search	Conference abstract
Ehret (2015)	Current Practices in the Treatment of Alzheimer Disease: Where is the Evidence After the Phase III Trials?	Systematic review, of which reference list was checked
Frolich (2012)	Safety and tolerability of 9.5mg/24h(10cm <sup>2</sup> ) and 13.3mg/24h (15cm <sup>2</sup> ) rivastigmine patches: Results from the optimising transdermal exelon in mild-to-moderate alzheimer's disease (OPTIMA) study	Conference abstract
Gaudig (2011)	Effects of Galantamine in Alzheimer's Disease: Double-blind Withdrawal Studies Evaluating Sustained Versus Interrupted Treatment	Individuals only initiated on cholinesterase inhibitors as part of the study
Gutierrez (1999)	Safety and efficacy of galantamine during its withdrawal in the treatment of Alzheimer's disease	Paper not obtainable
Holmes (2004)	The efficacy of donepezil in the treatment of neuropsychiatric symptoms in Alzheimer disease	Individuals only initiated on cholinesterase inhibitors as part of the study
Howard (2012)	Donepezil or memantine improved cognitive functioning in moderate-to-severe Alzheimer disease	Summary report without relevant data (report of another publication)
Ihl (2002)	Further understanding the meaning of "clinical benefit": Results from the pre-randomization phase of the donepezil AWARE study	Conference abstract
Johannsen (2006)	Assessing therapeutic efficacy in a progressive disease: a study of donepezil in Alzheimer's disease	Intervention not relevant
Jones (2009)	DOMINO-AD protocol: donepezil and memantine in moderate to severe Alzheimer's disease - a multicentre RCT	Trial protocol
Kano (2013)	Clinically meaningful treatment responses after switching to galantamine and with addition of memantine in patients with Alzheimer's disease receiving donepezil	Intervention not relevant
Lanctot (2015)	Cholinesterase inhibitor discontinuation in institutionalized persons with moderate to severe AD: Results of a double-blind, placebo controlled trial	Conference abstract
Lanctot (2015)	Predictors of worsening following cholinesterase inhibitor discontinuation trial in institutionalized persons with moderate to severe Alzheimer's disease: Results of a double-blind, placebo controlled trial	Conference abstract
Massoud (2011)	Switching cholinesterase inhibitors in older adults with dementia	Systematic review, of which reference list was checked
Na (2015)	Discontinuation of antidementia medications in extremely severe Alzheimer's disease patients: A 12-week, randomized, multicenter trial	Conference abstract

Short Title	Title	Reason for exclusion
O'Regan (2015)	Cholinesterase inhibitor discontinuation in patients with Alzheimer's disease: a meta-analysis of randomized controlled trials	Systematic review, of which reference list was checked
Richarz (2011)	Predictors of outcome in patients with mild to moderate Alzheimer's disease treated with galantamine	Conference abstract
Sadowsky (2009)	Switching from donepezil tablets to rivastigmine transdermal patch in Alzheimer's disease	Intervention not relevant
Sadowsky (2009)	Switching from donepezil to rivastigmine transdermal patch: Open-label study investigating clinical outcomes and preference over 25 weeks in patients with Alzheimer's disease	Conference abstract
Sakka (2007)	Effectiveness of open-label donepezil treatment in patients with Alzheimer's disease discontinuing memantine monotherapy	Lack of appropriate comparator
Scarpini (2011)	Cessation versus continuation of galantamine treatment after 12 months of therapy in patients with Alzheimer's disease: a randomized, double blind, placebo controlled withdrawal trial	Individuals only initiated on cholinesterase inhibitors as part of the study
Schaeuble (2011)	Cessation versus continuation of 12 months galantamine therapy in patients with Alzheimer disease: A randomized, double-blind, placebo controlled withdrawal trial	Conference abstract
Tariot (2013)	Cessation of donepezil is associated with clinical decline in patients with moderate-to-severe Alzheimer's disease compared to continuation of donepezil or addition or substitution of memantine	Summary report without relevant data
Waldemar (2008)	Tolerability of switching from donepezil to memantine treatment in patients with moderate to severe Alzheimer's disease	Intervention not relevant
Winblad (2006)	3-year study of donepezil therapy in Alzheimer's disease: effects of early and continuous therapy	Study design: Lack of randomisation during evaluation of withdrawal phase of study

### F.7.3 Pharmacological management of Parkinson's disease dementia

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

Study	Reason for exclusion
Cholinesterase inhibitors and atypical antipsychotics may help manage dementia and psychosis in Parkinson's disease, <i>Drugs and Therapy Perspectives</i> .23 (3) (pp 7-10), 2007.Date of Publication: March 2007., 7-10, 2007	Not a relevant study
Cholinesterase inhibitors: Tremor and exacerbation of Parkinson's disease, <i>Prescrire International</i> .16 (91) (pp 197-198), 2007.Date of Publication: October 2007., 197-198, 2007	Not a relevant study
Rivastigmine patches: No therapeutic advantage and less convenient than capsules, <i>Prescrire International</i> Prescrire Int., 18, 19-, 2009	Not a relevant study
Multicentre UK study of the acetylcholinesterase inhibitor donepezil in early dementia associated with Parkinson's disease (MUSTARDD-PD) (Project record), <i>Health Technology Assessment Database</i> , -, 2010	Not published version of study
20070514, Rivastigmine: new indication. Dementia and Parkinson's disease: no thank you!, <i>Prescrire International</i> , 16, 66-, 2007	Not a relevant study
Aarsland,D., Ballard,C., Rongve,A., Broadstock,M., Svenningsson,P., 20130403, Clinical trials of dementia with Lewy bodies and Parkinson's disease dementia, <i>Current Neurology &amp; Neuroscience Reports</i> , 12, 492-501, 2012	Systematic review – eligible studies already identified
Aarsland,D., Bronnick,K., Ehrt,U., De Deyn,P.P., Tekin,S., Emre,M., Cummings,J.L., 20061220, Neuropsychiatric symptoms in patients with Parkinson's disease and dementia: frequency, profile and associated care giver stress, <i>Journal of Neurology, Neurosurgery &amp; Psychiatry</i> , 78, 36-42, 2007	Not relevant comparison
Aarsland,D., Ehrt,U., Gauthier,S., Rivastigmine for the treatment of Parkinson's disease dementia, <i>Aging Health</i> .6 (3) (pp 277-284), 2010.Date of Publication: June 2010., 277-284, 2010	Systematic review – eligible studies already identified
Aarsland,D., Emre,M., Lees,A., Poewe,W., Ballard,C., Practice Parameter: Evaluation and treatment of depression, psychosis, and dementia in Parkinson disease (an evidence-based review): Report of the Quality Standards Subcommittee of the American Academy of Neurology [5], <i>Neurology</i> .68 (1) (pp 80), 2007.Date of Publication: January 2007., 80-, 2007	Not a relevant study
Aarsland,D., Taylor,J.-P., Weintraub,D., Psychiatric issues in cognitive impairment, <i>Movement Disorders</i> .29 (5) (pp 651-662), 2014.Date of Publication: 15 Apr 2014., 651-662, 2014	Not a relevant study
Aarsland,T., A double-blind, placebo-controlled multicentre trial of memantine in patients with Parkinson's disease dementia or dementia with Lewy bodies, <i>ISRCTN: ISRCTN89624516</i> , -, 2006	Not published version of study
Almaraz,A.C., Driver-Dunckley,E.D., Woodruff,B.K., Wellik,K.E., Caselli,R.J., Demaerschalk,B.M., Adler,C.H., Caviness,J.N., Wingerchuk,D.M., 20091009, Efficacy of rivastigmine for cognitive symptoms in Parkinson disease with dementia, <i>Neurologist</i> , 15, 234-237, 2009	Systematic review – eligible studies already identified
Anon, Randomised controlled trial of memantine versus placebo in Parkinson's disease dementia, <i>ISRCTN Register [www.controlled-trials.com/mrct]</i> , -, 2005	Not relevant comparison
Anon, [Public title] Memantine versus placebo in Parkinson's disease dementia or dementia with Lewy bodies; [Scientific title] A randomised, double-blind, placebo-controlled, 6-month study of the	Not published version of study

Study	Reason for exclusion
efficacy and safety of memantine in patients with Parkinson's disease dementia or dementia with Lewy bodies, ClinicalTrials.gov [http://clinicaltrials.gov], -, 2007	
Anon, Long-term safety of rivastigmine capsule and patch in patients with mild to moderately-severe dementia associated with parkinson's disease (pdd) or a 76-week prospective, open-label, multicenter study to evaluate the long-term effect of rivastigmine capsule and transdermal patch on worsening of the underlying motor symptoms of pd in patients with mild to moderately severe dementia associated with parkinson's disease (pdd), ClinicalTrials.gov [http://clinicaltrials.gov], -, 2008	Not published version of study
Anon, [Public title] Donepezil in early dementia associated with Parkinson's disease; [Scientific title] Multicentre UK study of the acetylcholinesterase inhibitor donepezil in early dementia associated with Parkinson's disease, ISRCTN Register [http://www.controlled-trials.com], -, 2009	Not published version of study
Ballard,C., Kahn,Z., Corbett,A., Treatment of dementia with lewy bodies and Parkinson's disease dementia, Drugs and Aging.28 (10) (pp 769-777), 2011.Date of Publication: 2011., 769-777, 2011	Systematic review – eligible studies already identified
Ballard,C., Lane,R., Barone,P., Ferrara,R., Tekin,S., 20070405, Cardiac safety of rivastigmine in Lewy body and Parkinson's disease dementias.[Erratum appears in Int J Clin Pract. 2006 Sep;60(9):1146], International Journal of Clinical Practice, 60, 639-645, 2006	Systematic review – eligible studies already identified
Ballard,C.G., Chalmers,K.A., Todd,C., McKeith,I.G., O'Brien,J.T., Wilcock,G., Love,S., Perry,E.K., 20070607, Cholinesterase inhibitors reduce cortical Abeta in dementia with Lewy bodies, Neurology, 68, 1726-1729, 2007	No relevant outcomes; not a randomised controlled trial
Barone,P., Burn,D.J., van,Laar T., Hsu,C., Poewe,W., Lane,R.M., 20090408, Rivastigmine versus placebo in hyperhomocysteinemic Parkinson's disease dementia patients, Movement DisordersMov.Disord., 23, 1532-1540, 2008	Not a relevant comparison – sub-group analysis
Beverdorf,D.Q., Warner,J.L., Davis,R.A., Sharma,U.K., Nagaraja,H.N., Scharre,D.W., Donepezil in the treatment of dementia with Lewy bodies [1], American Journal of Geriatric PsychiatryAm.J.Geriatr.Psychiatry, 12, 542-544, 2004	Not a relevant study
Bhasin,M., Rowan,E., Edwards,K., McKeith,I., 20080501, Cholinesterase inhibitors in dementia with Lewy bodies: a comparative analysis, International Journal of Geriatric Psychiatry, 22, 890-895, 2007	Not a relevant study
Borghammer,P., Vafae,M., Ostergaard,K., Rodell,A., Bailey,C., Cumming,P., 20080612, Effect of memantine on CBF and CMRO2 in patients with early Parkinson's disease, Acta Neurologica Scandinavica, 117, 317-323, 2008	Not relevant population; no relevant outcomes
Brennan,L., Pantelyat,A., Duda,JE., Morley,JE., Weintraub,D., Wilkinson,JR., Moberg,PJ., Memantine and cognition in Parkinson's disease dementia/Dementia with Lewy Bodies: A meta-analysis, Movement Disorders, 3(2), 161-167, 2016	Systematic review – eligible studies already identified
Burn,D., Emre,M., McKeith,I., De Deyn,P.P., Aarsland,D., Hsu,C., Lane,R., 20070220, Effects of rivastigmine in patients with and without visual hallucinations in dementia associated with Parkinson's disease, Movement Disorders, 21, 1899-1907, 2006	Not a relevant comparison – sub group analysis
Burn,D., Emre,M., McKeith,I., Hsu,C., Lane,R., Response to Rivastigmine in Patients with and without Visual Hallucinations in Dementia Associated with Parkinson's Disease (EXPRESS Study	Unable to source

Study	Reason for exclusion
Group), 57th Annual Meeting of the American Academy of Neurology, Miami Beach, April 2005 [S25.004], -, 2005	
Burn,D.J., 20110104, The treatment of cognitive impairment associated with Parkinson's disease. [Review] [68 refs], Brain Pathology, 20, 672-678, 2010	Not a relevant study
Ceravolo,R., Volterrani,D., Frosini,D., Bernardini,S., Rossi,C., Logi,C., Manca,G., Kiferle,L., Mariani,G., Murri,L., Bonuccelli,U., 20070905, Brain perfusion effects of cholinesterase inhibitors in Parkinson's disease with dementia, Journal of Neural TransmissionJ.Neural Transm., 113, 1787-1790, 2006	Not relevant comparison
Chitnis,S., Rao,J., 20090928, Rivastigmine in Parkinson's disease dementia. [Review] [70 refs], Expert Opinion On Drug Metabolism & Toxicology, 5, 941-955, 2009	Not a relevant study
Cummings,J., Cholinesterase inhibitors for treatment of dementia associated with Parkinson's disease, Journal of Neurology, Neurosurgery and Psychiatry, 76, 903-904, 2005	Not a relevant study
Cummings,J., Winblad,B., 20080102, A rivastigmine patch for the treatment of Alzheimer's disease and Parkinson's disease dementia. [Review] [26 refs], Expert Review of Neurotherapeutics, 7, 1457-1463, 2007	Not a relevant study
Darreh-Shori,T., Jelic,V., Safety and tolerability of transdermal and oral rivastigmine in Alzheimer's disease and Parkinson's disease dementia, Expert Opinion on Drug Safety.9 (1) (pp 167-176), 2010.Date of Publication: 10 Jan 2010., 167-176, 2010	Not a relevant study
Deyn,P.P., Barone,P., Poewe,W., Kulisevsky,J., Laar,T., Pourcher,E., Callegari,F., Tenenbaum,N., Graf,A., Assessment of motor symptoms in a long-term safety study of rivastigmine capsules and patch in patients with dementia associated with Parkinson's disease, European Journal of Neurology, 18, 496-, 2011	Abstract only
Dujardin,K., Devos,D., Duhem,S., Destee,A., Marie,R.M., Durif,F., Lacomblez,L., Touchon,J., Pollak,P., Pere,J.J., 20070313, Utility of the Mattis dementia rating scale to assess the efficacy of rivastigmine in dementia associated with Parkinson's disease, Journal of Neurology, 253, 1154-1159, 2006	Not a relevant study – secondary reanalysis of data from Emre 2004
Dumbrava,L.P., Fischer,T., Medrea,R., Use of a rivastigmine transdermic patch in Alzheimer's disease and Parkinson's disease dementia, Romanian Journal of Neurology/ Revista Romana de NeurologieRom.J.Neurol.Rev.Rom.Neurol., 8, 38-42, 2009	Not a relevant study
Edwards,K., Royall,D., Hershey,L., Lichter,D., Hake,A., Farlow,M., Pasquier,F., Johnson,S., 20070724, Efficacy and safety of galantamine in patients with dementia with Lewy bodies: a 24-week open-label study, Dementia & Geriatric Cognitive Disorders, 23, 401-405, 2007	No relevant comparator
Emre,M., Treatment of dementia associated with Parkinson's disease, Parkinsonism and Related Disorders.13 (SUPPL.3) (pp S457-S461), 2007.Date of Publication: 2007., S457-S461, 2007	Not relevant study
Emre,M., Cummings,J.L., Lane,R.M., 20071102, Rivastigmine in dementia associated with Parkinson's disease and Alzheimer's disease: similarities and differences. [Review] [48 refs], Journal of Alzheimer's Disease, 11, 509-519, 2007	Not relevant comparison
Emre,M., Poewe,W., Deyn,P.P., Barone,P., Kulisevsky,J., Pourcher,E., Laar,T., Callegari,F., Tenenbaum,N., Graf,A., A 76-week study on the long-term safety of rivastigmine capsules and patch in	Abstract only

Study	Reason for exclusion
patients with dementia associated with Parkinson's disease, <i>Movement Disorders</i> , 26, S125-, 2011	
Emre,M., 20090401, Treatment of dementia associated with Parkinson's disease. [Review] [38 refs], <i>Parkinsonism &amp; Related Disorders</i> , 13, Suppl-61, 2007	Evidence summary – not a randomised controlled trial
Emre,M., 20090814, Memantine: a new hope for treatment of Lewy body-related dementias?, <i>Lancet Neurology</i> , 8, 594-595, 2009	Not a study
Emre,P., A 24 week prospective, randomized, multicenter, double-blind, placebo-controlled, parallel-group study of the efficacy, tolerability and safety of 3-12 mg/day of rivastigmine capsules in patients with Parkinson's dementia, <a href="http://www.wifpma.org/clinicaltrialshtml">http://www.wifpma.org/clinicaltrialshtml</a> , -, 2005	Unable to source
Fischer,C., Bozanovic,R., Atkins,J.H., Rourke,S.B., 20070620, Treatment of delusions in dementia with Lewy bodies - response to pharmacotherapy. [Review] [19 refs], <i>Dementia &amp; Geriatric Cognitive Disorders</i> , 23, 307-311, 2007	Systematic review – eligible studies already identified
Fong,T.G., Inouye,S.K., Dai,W., Press,D.Z., Alsop,D.C., Association cortex hypoperfusion in mild dementia with Lewy bodies: A potential indicator of cholinergic dysfunction?, <i>Brain Imaging and Behavior</i> , 5, 25-35, 2011	Not relevant population
Gaskell,H., Burns,A., Fox,C., Maidment,I., Pettit,T.A.C.L., Wild,R., McShane,R., Boustani,M., Cholinesterase inhibitors for dementia with Lewy bodies, Parkinson's disease dementia and cognitive impairment in Parkinson's disease, <i>Cochrane Database of Systematic Reviews</i> , -, 2007	Updated Cochrane Review published (2012)
Gauthier,S., Giannakopoulos,P., Hof,P.R., Pharmacotherapy of parkinson disease dementia and lewy body dementia, <i>Dementia in Clinical Practice.Frontiers of Neurology and Neuroscience</i> .24 (pp 135-139), 2009.Date of Publication: 2009., -139, 2009	Not a relevant study
Hussl,A., Seppi,K., Poewe,W., Nonmotor symptoms in Parkinson's disease, <i>Expert Review of Neurotherapeutics</i> .13 (6) (pp 581-583), 2013.Date of Publication: June 2013., 581-583, 2013	Not a relevant study
Ikeda,M., Mori,E., Kosaka,K., Iseki,E., Hashimoto,M., Matsukawa,N., Matsuo,K., Nakagawa,M., Katayama,S., Higashi,Y., Yamada,T., Maruki,Y., Orimo,S., Yoshiiwa,A., Hanyu,H., Yokochi,M., Kimura,T., Mizoguchi,K., Nakanishi,A., Tsukamoto,T., Taniguchi,N., Okamoto,K., Kitamura,T., Nakano,Y., Kato,T., Shimada,K., Hiji,M., Yoshiyama,Y., Kitamura,Y., Takahashi,S., Akishita,M., Washimi,Y., Yamamoto,Y., Kobayashi,M., Udaka,F., Osaki,Y., Hino,H., Kanda,T., Kishimoto,T., Oguro,H., Matsuoka,T., Tsugu,Y., Fujii,N., Kawase,Y., Long-term safety and efficacy of donepezil in patients with dementia with lewy bodies: Results from a 52-week, open-label, multicenter extension study, <i>Dementia and geriatric cognitive disorders</i> <i>Dementia Geriatr.Cogn.Disord.</i> , 36, 229-241, 2013	No relevant comparator
Johansson,C., Ballard,C., Hansson,O., Palmqvist,S., Minthon,L., Aarsland,D., Londos,E., 20110505, Efficacy of memantine in PDD and DLB: an extension study including washout and open-label treatment, <i>International Journal of Geriatric Psychiatry</i> , 26, 206-213, 2011	Not a relevant comparison
Jones,R.W., A review comparing the safety and tolerability of memantine with the acetylcholinesterase inhibitors, <i>International Journal of Geriatric Psychiatry</i> .25 (6) (pp 547-553), 2010.Date of Publication: June 2010., 547-553, 2010	Not a relevant study
Josif,S., Graham,K., 20080718, Diagnosis and treatment of dementia with Lewy bodies. [Review] [24 refs], <i>JAAPA</i> , 21, 22-26, 2008	Not a relevant study

Study	Reason for exclusion
Kim,D.H., Brown,R.T., Ding,E.L., Kiel,D.P., Berry,S.D., Review: Cholinesterase inhibitors but not memantine increase syncope in older adults with mild cognitive impairment or dementia, <i>Annals of Internal Medicine</i> .155 (10) (pp JC5-10), 2011.Date of Publication: 20111115., JC5-10, 2011	Not a relevant study
Klingelhoefer,L., Reichmann,H., Dementia - The real problem for patients with Parkinson's disease, <i>Basal Ganglia</i> .4 (1) (pp 9-13), 2014.Date of Publication: June 2014., 9-13, 2014	Not a relevant study
Larsson,V., Aarsland,D., Ballard,C., Minthon,L., Londos,E., 20110314, The effect of memantine on sleep behaviour in dementia with Lewy bodies and Parkinson's disease dementia, <i>International Journal of Geriatric Psychiatry</i> , 25, 1030-1038, 2010	Not a relevant study – secondary reanalysis of data from Aarsland 2009
Larsson,V., Engedal,K., Aarsland,D., Wattmo,C., Minthon,L., Londos,E., Quality of life and the effect of memantine in dementia with lewy bodies and Parkinson's disease dementia, <i>Dementia and geriatric cognitive disorders</i> Dementia Geriatr.Cogn.Disord., 32, 227-234, 2011	Not a relevant study – secondary reanalysis of data from Aarsland 2009
Lee,P.H., Yong,S.W., An,Y.S., 20090212, Changes in cerebral glucose metabolism in patients with Parkinson disease with dementia after cholinesterase inhibitor therapy, <i>Journal of Nuclear Medicine</i> , 49, 2006-2011, 2008	Not a relevant comparison; no relevant outcomes
Leroi,I., Atkinson,R., Overshott,R., 20150511, Memantine improves goal attainment and reduces caregiver burden in Parkinson's disease with dementia, <i>International Journal of Geriatric Psychiatry</i> , 29, 899-905, 2014	Not a relevant study – secondary reanalysis of data from Leroi 2009
Leroi,I., Collins,D., Marsh,L., 20070123, Non-dopaminergic treatment of cognitive impairment and dementia in Parkinson's disease: a review. [Review] [91 refs], <i>Journal of the Neurological Sciences</i> , 248, 104-114, 2006	Systematic review – eligible studies already identified
Levin,O.S., Batukaeva,L.A., [Efficacy of memantine in Parkinson's disease with dementia], <i>Zhurnal nevrologii i psikiatrii imeni S.S.Korsakova / Ministerstvo zdravookhraneniia i meditsinsko? promyshlennosti Rossi?sko? Federatsii, Vserossi?skoe obshchestvo nevrologov [i] Vserossi?skoe obshchestvo psikiatrov</i> , 108, 16-23, 2008	Not English language
Levin,O.S., Batukaeva,L.A., Smolentseva,I.G., Amosova,N.A., [Efficacy and safety of memantine in dementia with Lewy bodies], <i>Zhurnal nevrologii i psikiatrii imeni S.S.Korsakova / Ministerstvo zdravookhraneniia i meditsinsko? promyshlennosti Rossi?sko? Federatsii, Vserossi?skoe obshchestvo nevrologov [i] Vserossi?skoe obshchestvo psikiatrov</i> , 108, 39-46, 2008	Not English language
Levin,O.S., Batukaeva,L.A., Smolentseva,I.G., Amosova,N.A., 20090827, Efficacy and safety of memantine in Lewy body dementia, <i>Neuroscience &amp; Behavioral Physiology</i> , 39, 597-604, 2009	Not a randomised controlled trial
Li,W., Zhao,J.H., Sun,S.G., Zhang,J.W., Suo,A.Q., Ma,M.M., [Clinical rehabilitative effect of memantine on cognitive and motor disorders in patients with Parkinson's disease], <i>Zhonghua yi xue za zhi</i> , 91, 301-303, 2011	Not English language
Liepelt,I., Maetzler,W., Blaicher,H.P., Gasser,T., Berg,D., 20070724, Treatment of dementia in parkinsonian syndromes with cholinesterase inhibitors. [Review] [176 refs], <i>Dementia &amp; Geriatric Cognitive Disorders</i> , 23, 351-367, 2007	Systematic review – eligible studies already identified
Linazasoro,G., Lasa,A., Van,Blercom N., 20051207, Efficacy and safety of donepezil in the treatment of executive dysfunction in	Not relevant population

Study	Reason for exclusion
Parkinson disease: a pilot study, <i>Clinical Neuropharmacology</i> , 28, 176-178, 2005	
Litvinenko, I.V., Odinak, M.M., Mogil'naya, V.I., Emelin, A.Y., 20090402, Efficacy and safety of galantamine (reminyl) for dementia in patients with Parkinson's disease (an open controlled trial), <i>Neuroscience &amp; Behavioral Physiology</i> , 38, 937-945, 2008	Comparator is no treatment rather than placebo
Litvinenko, I.V., Odinak, M.M., Mogil'naia, V.I., Emelin, A.I., [Efficacy and safety of galantamine (reminyl) in the treatment of dementia in patients with Parkinson's disease (open-label controlled trial)], <i>Zhurnal nevrologii i psikiatrii imeni S.S.Korsakova / Ministerstvo zdravookhraneniia i meditsinsko. promyshlennosti Rossi'sko Federatsii, Vserossi'skoe obshchestvo nevrologov [i] Vserossi'skoe obshchestvo psikiatrov</i> , 107, 25-33, 2007	Not English language
Litvinenko, I.V., Odinak, M.M., Mogil'naya, V.I., Perstnev, S.V., 20100322, Use of memantine (akatinol) for the correction of cognitive impairments in Parkinson's disease complicated by dementia, <i>Neuroscience &amp; Behavioral Physiology</i> , 40, 149-155, 2010	Not a randomised controlled trial; population unclear
MacMahon, D., DONEPEZIL 318 - A 52 week, multicentre, open label extension study of the safety, tolerability and efficacy of donepezil (Aricept) in Parkinson's Disease patients with dementia, <i>National Research Register</i> , -, 2005	Not published version of study
Maidment, I., Fox, C., Boustani, M., 20060407, Cholinesterase inhibitors for Parkinson's disease dementia. [Review] [60 refs], <i>Cochrane Database of Systematic Reviews</i> , CD004747-, 2006	Updated Cochrane Review published (2012)
Maidment, I.D., Fox, C., Boustani, M., 20051011, A review of studies describing the use of acetyl cholinesterase inhibitors in Parkinson's disease dementia. [Review] [40 refs], <i>Acta Psychiatrica Scandinavica</i> , 111, 403-409, 2005	Evidence summary – eligible studies already identified
Mamikonyan, E., Xie, S.X., Melvin, E., Weintraub, D., Rivastigmine for mild cognitive impairment in Parkinson disease: a placebo-controlled study, <i>Movement Disorders Mov. Disord.</i> , 30, 912-918, 2015	Not relevant population
Marsh, L., Double-Blind Placebo-Controlled Trial of Memantine for Treatment of Cognitive Impairment in Patients With Parkinson's Disease and Dementia, <i>ClinicalTrials.gov</i> [ <a href="http://clinicaltrials.gov">http://clinicaltrials.gov</a> ], -, 2006	Not published version of study
Marsh, L., Treatment of Lewy-body dementias and psychopathology, <i>The Lancet Neurology</i> . 9 (10) (pp 943-944), 2010. Date of Publication: October 2010., 943-944, 2010	Not a relevant study
Massano, J., Rivastigmine for the treatment of Parkinson's disease dementia, <i>Sinapse</i> , 14, 21-25, 2014	Unable to source
Matsunaga, S., Kishi, T., Iwata, N., Memantine for Lewy body disorders: systematic review and meta-analysis (Provisional abstract), <i>Database of Abstracts of Reviews of Effects</i> , epub-, 2013	Systematic review – eligible studies already identified
McKeith, I., 20090323, Top cited papers in International Psychogeriatrics: 1. Long-term use of rivastigmine in patients with dementia with Lewy bodies: an open-label trial, <i>International Psychogeriatrics Int. Psychogeriatr.</i> , 21, 5-6, 2009	Not a relevant study
MEMPDD 2008, Efficacy and safety of memantine for Parkinson's disease dementia (PDD) and dementia with Lewy Bodies (DLB), <i>ClinicalTrials.gov</i> [ <a href="http://clinicaltrials.gov">http://clinicaltrials.gov</a> ], -, 2008	Not published version of study
Molho, E., Barba, A., Feustel, P., Higgins, D., Factor, S., Double-blind, placebo-controlled trial of donepezil for dementia or mild cognitive impairment in Parkinson disease, <i>Journal of Parkinson's Disease J. Parkinson's Dis.</i> , Conference: 3rd World Parkinson	Abstract only



Study	Reason for exclusion
Congress Montreal, QC Canada. Conference Start: 20131001 Conference End: 20131004. Conference Publication:, 106-, 2013	
Moreau,C., Delval,A., Dujardin,K., Delliaux,M., Tiffreau,V., Kreisler,A., Simonin,C., Blatt,J.-L., Bordet,R., Destee,A., Defebvre,L., Devos,D., Memantine for gait disorders, axial rigidity and attention deficit in Parkinson's disease? A double blind placebo controlled study, Movement DisordersMov.Disord., 26, S257-, 2011	Abstract only
Moreau,C., Delval,A., Tiffreau,V., Defebvre,L., Dujardin,K., Duhamel,A., Petyt,G., Hossein-Foucher,C., Blum,D., Sablonniere,B., Schraen,S., Allorge,D., Destee,A., Bordet,R., Devos,D., 20130531, Memantine for axial signs in Parkinson's disease: a randomised, double-blind, placebo-controlled pilot study, Journal of Neurology, Neurosurgery & Psychiatry, 84, 552-555, 2013	Not relevant population
Morgan,J., Sethi,K.D., 20051028, Rivastigmine for dementia associated with Parkinson's disease, Current Neurology & Neuroscience Reports, 5, 263-265, 2005	Not a relevant study
Mori,E., Ikeda,M., Nagai,R., Matsuo,K., Nakagawa,M., Kosaka,K., 20150225, Long-term donepezil use for dementia with Lewy bodies: results from an open-label extension of Phase III trial, Alzheimer's Research & Therapy, 7, 5-, 2015	No relevant comparator
Mori,S., Mori,E., Iseki,E., Kosaka,K., 20060606, Efficacy and safety of donepezil in patients with dementia with Lewy bodies: preliminary findings from an open-label study, Psychiatry & Clinical Neurosciences, 60, 190-195, 2006	No relevant comparator
Muller,T., Welnic,J., Fuchs,G., Baas,H., Ebersbach,G., Reichmann,H., 20070517, The DONPAD-study--treatment of dementia in patients with Parkinson's disease with donepezil, Journal of Neural Transmission, Supplementum., 27-30, 2006	Not a randomised controlled trial
NCT01014858, Multi-centre UK study of the acetylcholinesterase inhibitor donepezil in early dementia associated with Parkinson's disease (MUSTARDD-PD), ClinicalTrials.gov [http://clinicaltrials.gov], -, 2009	Not published version of study
NCT02345213, A Post-Marketing Clinical Study of Aricept in Patients With Dementia With Lewy Bodies (DLB), Http://clinicaltrials.gov/show/NCT02345213, -, 2015	Not published version of study
Novartis, An open-lable, 24 week extension to a 24-week prospective, tandomized, multicenter, double-blind, placebo-controlled, parallel-group study of the efficacy, tolerability an dsafety of 3-12 mg/day of rivastigmine capsules in patients with Parkinson's Disease dementia, IFPMA Register, -, 2006	Unable to source
Oertel,W., Poewe,W., Wolters,E., De Deyn,P.P., Emre,M., Kirsch,C., Hsu,C., Tekin,S., Lane,R., 20080505, Effects of rivastigmine on tremor and other motor symptoms in patients with Parkinson's disease dementia: a retrospective analysis of a double-blind trial and an open-label extension, Drug Safety, 31, 79-94, 2008	Not a relevant study
Oh,Y.S., Kim,J.S., Lee,P.H., 20150619, Effect of Rivastigmine on Behavioral and Psychiatric Symptoms of Parkinson's Disease Dementia, Journal of Movement Disorders, 8, 98-102, 2015	Not a randomised controlled trial
Olin,J.T., Aarsland,D., Meng,X., 20101208, Rivastigmine in the treatment of dementia associated with Parkinson's disease: effects on activities of daily living, Dementia & Geriatric Cognitive Disorders, 29, 510-515, 2010	Not a relevant study – secondary reanalysis of data from Emre 2004
Ondo,W.G., Shinawi,L., Davidson,A., Lai,D., 20110607, Memantine for non-motor features of Parkinson's disease: a double-blind placebo	Not relevant population

Study	Reason for exclusion
controlled exploratory pilot trial, Parkinsonism & Related Disorders, 17, 156-159, 2011	
Pagano,G., Rengo,G., Pasqualetti,G., Femminella,G.D., Monzani,F., Ferrara,N., Tagliati,M., Cholinesterase inhibitors for Parkinson's disease: a systematic review and meta-analysis (Provisional abstract), Database of Abstracts of Reviews of Effects, epub-, 2014	Systematic review – eligible studies already identified
Pakrasi,S., Thomas,A., Mosimann,U.P., Cousins,D.A., Lett,D., Burn,D.J., O'Brien,J.T., McKeith,I.G., 20070608, Cholinesterase inhibitors in advanced Dementia with Lewy bodies: increase or stop?, International Journal of Geriatric Psychiatry, 21, 719-721, 2006	Not a randomised controlled trial
Peng,D., Yuan,X., Zhu,R., 20140606, Memantine hydrochloride in the treatment of dementia subtypes. [Review], Journal of Clinical Neuroscience, 20, 1482-1485, 2013	Not a relevant study
Poewe,W., Long-Term Benefits of Rivastigmine in Dementia Associated with Parkinson's Disease: An Open-Label Extension Study, 57th Annual Meeting of the American Academy of Neurology, Miami Beach, April 2005 [P02.096], -, 2005	Unable to source
Pourcher,E., Nadeau,A., Jaime,M., Corbeil,P., Does rivastigmine improve balance control in parkinson's dementia?, European journal of neurologyEur.J.Neurol., 19, 309-, 2012	Abstract only
Reingold,J.L., Morgan,J.C., Sethi,K.D., Rivastigmine for the treatment of dementia associated with Parkinson's disease, Neuropsychiatric Disease and Treatment.3 (6) (pp 775-783), 2007.Date of Publication: 2007., 775-783, 2007	Not a relevant study
Rodda,J., Carter,J., Cholinesterase inhibitors and memantine for symptomatic treatment of dementia, BMJ (Online).344 (7856) , 2012.Article Number: e2986.Date of Publication: 12 May 2012., -, 2012	Not a relevant study
Rolinski,M., Fox,C., Maidment,I., McShane,R., 20120607, Cholinesterase inhibitors for dementia with Lewy bodies, Parkinson's disease dementia and cognitive impairment in Parkinson's disease. [Review], Cochrane Database of Systematic Reviews, 3, CD006504-, 2012	Systematic review – eligible studies already identified
Rosengarten,B., Dannhardt,V., Burr,O., Pohler,M., Rosengarten,S., Oechsner,M., Reuter,I., 20110309, Neurovascular coupling in Parkinson's disease patients: effects of dementia and acetylcholinesterase inhibitor treatment, Journal of Alzheimer's DiseaseJ.Alzheimer's Dis., 22, 415-421, 2010	Not relevant comparison
Rowan,E., McKeith,I.G., Saxby,B.K., O'Brien,J.T., Burn,D., Mosimann,U., Newby,J., Daniel,S., Sanders,J., Wesnes,K., 20070426, Effects of donepezil on central processing speed and attentional measures in Parkinson's disease with dementia and dementia with Lewy bodies, Dementia & Geriatric Cognitive Disorders, 23, 161-167, 2007	Not a randomised controlled trial
Russ,T.C., Morling,J.R., Review: Cholinesterase inhibitors do not reduce progression to dementia from mild cognitive impairment, Annals of Internal MedicineAnn.Intern.Med., 158, JC3-, 2013	Not a relevant study; not relevant population
Sadowsky,C.H., Micca,J.L., Grossberg,G.T., Velting,D.M., 20150210, Rivastigmine from capsules to patch: therapeutic advances in the management of Alzheimer's disease and Parkinson's disease dementia. [Review], The Primary Care Companion to CNS Disorders, 16, 2014-, 2014	Not a relevant study

Study	Reason for exclusion
Sandoval-Rincon,M., Saenz-Farret,M., Miguel-Puga,A., Micheli,F., Arias-Carrion,O., Rational pharmacological approaches for cognitive dysfunction and depression in Parkinson's disease, <i>Frontiers in Neurology</i> .6 (MAR) , 2015.Article Number: 71.Date of Publication: 2015., -, 2015	Systematic review – eligible studies already identified
SatoH,M., Ishikawa,H., Meguro,K., Kasuya,M., Ishii,H., Yamaguchi,S., 20110411, Improved visual hallucination by donepezil and occipital glucose metabolism in dementia with Lewy bodies: the Osaki-Tajiri project, <i>European NeurologyEur.Neurol.</i> , 64, 337-344, 2010	Not a randomised controlled trial
Schmitt,F., Farlow,M., Olin,J., Effects of rivastigmine on executive function in Parkinson's disease dementia: Results from a 24-week placebo-controlled clinical trial, <i>Annals of NeurologyAnn.Neurol.</i> , 66, S48, Abstract-66, 2009	Abstract only
Schmitt,F.A., Aarsland,D., Bronnick,K.S., Meng,X., Tekin,S., Olin,J.T., 20101104, Evaluating rivastigmine in mild-to-moderate Parkinson's disease dementia using ADAS-cog items, <i>American Journal of Alzheimer's Disease &amp; Other Dementias</i> , 25, 407-413, 2010	Not a relevant study – secondary reanalysis of data from Emre 2004
Schmitt,F.A., Aarsland,D., Bronnick,K.S., Olin,J.T., Meng,X., Evaluating cognitive effects of oral rivastigmine using Subscales and Items of the ADAS-cog in Patients with mild to moderate Parkinson's disease dementia, <i>Journal of the American Geriatrics SocietyJ.Am.Geriatr.Soc.</i> , 58, S23-, 2010	Abstract only
Schmitt,F.A., Farlow,M.R., Meng,X., Tekin,S., Olin,J.T., Efficacy of rivastigmine on executive function in patients with parkinson's disease dementia, <i>CNS Neuroscience and Therapeutics</i> .16 (6) (pp 330-336), 2010.Date of Publication: December 2010., 330-336, 2010	Not a relevant study – secondary reanalysis of data from Emre 2004
Siddiqui,M.A., Wagstaff,A.J., 20061128, Rivastigmine: in Parkinson's disease dementia. [Review] [31 refs], <i>CNS Drugs</i> , 20, 739-747, 748	Not a relevant study
Stinton,C., McKeith,I., Taylor,J.-P., Lafortune,L., Mioshi,E., Mak,E., Cambridge,V., Mason,J., Thomas,A., O'Brien,J.T., Pharmacological management of lewy body dementia: A systematic review and meta-analysis, <i>American Journal of Psychiatry</i> .172 (8) (pp 731-742), 2015.Date of Publication: 01 Aug 2015., 731-742, 2015	Systematic review – eligible studies already identified
Stubendorff,K., Larsson,V., Ballard,C., Minthon,L., Aarsland,D., Londos,E., Treatment effect of memantine on survival in dementia with Lewy bodies and Parkinson's disease with dementia: A prospective study, <i>BMJ Open</i> , 4, -, 2014	Not a relevant study
Thomas,A.J., Burn,D.J., Rowan,E.N., Littlewood,E., Newby,J., Cousins,D., Pakrasi,S., Richardson,J., Sanders,J., McKeith,I.G., 20060222, A comparison of the efficacy of donepezil in Parkinson's disease with dementia and dementia with Lewy bodies, <i>International Journal of Geriatric Psychiatry</i> , 20, 938-944, 2005	Not relevant comparison
Van Der Putt,R., Dineen,C., Janes,D., Series,H., McShane,R., 20070608, Effectiveness of acetylcholinesterase inhibitors: diagnosis and severity as predictors of response in routine practice, <i>International Journal of Geriatric PsychiatryInt.J.Geriatr.Psychiatry</i> , 21, 755-760, 2006	Not relevant comparison
van,Laar T., De Deyn,P.P., Aarsland,D., Barone,P., Galvin,J.E., 20120703, Effects of cholinesterase inhibitors in Parkinson's disease dementia: a review of clinical data. [Review], <i>CNS Neuroscience &amp; Therapeutics</i> , 17, 428-441, 2011	Systematic review – eligible studies already identified
Wang,H.-F., Yu,J.-T., Tang,S.-W., Jiang,T., Tan,C.-C., Meng,X.-F., Wang,C., Tan,M.-S., Tan,L., Efficacy and safety of cholinesterase inhibitors and memantine in cognitive impairment in Parkinson's	Systematic review – eligible studies already identified

Study	Reason for exclusion
disease, Parkinson's disease dementia, and dementia with Lewy bodies: Systematic review with meta-analysis and trial sequential analysis, <i>Journal of Neurology, Neurosurgery and Psychiatry</i> .86 (2) (pp 135-143), 2015.Date of Publication: 01 Feb 2015., 135-143, 2015	
Weintraub,D., Somogyi,M., Meng,X., 20120424, Rivastigmine in Alzheimer's disease and Parkinson's disease dementia: an ADAS-cog factor analysis, <i>American Journal of Alzheimer's Disease &amp; Other Dementias</i> , 26, 443-449, 2011	Systematic review – eligible studies already identified
Wesnes,K., Aarsland,D., Ballard,C., Londos,E., Memantine improves attention and verbal episodic memory in parkinson's disease dementia and dementia with lewy bodies: A double-blind, placebo-controlled multicentre trial, <i>Alzheimer's &amp; dementia</i> , 9, 890-, 2013	Abstract only
Wesnes,K.A., Aarsland,D., Ballard,C., Londos,E., Memantine improves attention and episodic memory in Parkinson's disease dementia and dementia with Lewy bodies, <i>International Journal of Geriatric Psychiatry/Int.J.Geriatr.Psychiatry</i> , No-, 2014	Not a relevant study – secondary reanalysis of data from Aarsland 2009
Wesnes,K.A., Aarsland,D., Ballard,C., Londos,E., Improvements to attention and verbal episodic memory with memantine in Parkinson's disease dementia and dementia with lewy bodies, <i>Journal of Nutrition, Health and AgingJ.Nutr.Health Aging</i> , 17, 781-782, 2013	Abstract only
Wesnes,K.A., McKeith,I., Edgar,C., Emre,M., Lane,R., 20060227, Benefits of rivastigmine on attention in dementia associated with Parkinson disease, <i>Neurology</i> , 65, 1654-1656, 2005	Not a relevant study – secondary reanalysis of data from Emre 2004
Wezenberg,E., Verkes,R.J., Sabbe,B.G., Ruijt,G.S., Hulstijn,W., 20060215, Modulation of memory and visuospatial processes by biperiden and rivastigmine in elderly healthy subjects, <i>Psychopharmacology</i> , 181, 582-594, 2005	Not relevant population

#### F.7.4 Cholinesterase inhibitors and memantine for types of dementia other than typical Alzheimer's disease

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

Short Title	Title	Reason for exclusion
Areosa (2003)	Memantine for dementia	Includes outcomes for other dementias - all relevant studies identified
Ballesteros (2008)	The effectiveness of donepezil for cognitive rehabilitation after traumatic brain injury: A systematic review	Narrative systematic review of case series and case reports
Beister (2004)	The N-methyl-D-aspartate antagonist memantine retards progression of Huntington's disease	Open label CCT no randomisation reported
Birks (2006)	Galantamine for vascular cognitive impairment	Cochrane review updated by Birks 2013
Birks (2013)	Rivastigmine for vascular cognitive impairment	Includes 3 trials. One trial with a population of no dementia. Two other trials included have previously been identified as relevant for inclusion
Birks (2013)	Galantamine for vascular cognitive impairment	All relevant studies retrieved
Bouchard (2015)	Effect of pharmacotherapy on cognition in frontotemporal lobar degeneration: A systematic review and meta-analysis of randomized controlled trials	Abstract only
Boxer (2009)	An open-label study of memantine treatment in 3 subtypes of frontotemporal lobar degeneration	Open label CCT no randomisation reported
Boxer (2012)	A randomized, multicenter, placebo controlled trial of memantine for behavioral variant ftd and semantic variant PPA	Abstract only
Chang (2011)	Neural correlates of donepezil-induced cognitive improvement in patients with right hemisphere stroke: a pilot study	Inclusion based on diagnosis of stroke, no formal dementia diagnosis at baseline (mean MMSE in control arm = 25 and treatment arm = 24 at baseline)
Chen (2016)	Efficacy of Cholinesterase Inhibitors in Vascular Dementia: An Updated Meta-Analysis	Includes population with non-dementia and just cerebrovascular disease or vascular CI. All relevant studies previously identified for inclusion
Chow (2011)	Open-label study of the short-term effects of memantine on FDG-PET in frontotemporal dementia	Open label CCT no randomisation
Christodoulou (2008)	Treatment of cognitive impairment in multiple sclerosis: Is the use of	Narrative review. Cites various studies (most in abstract form, retrieved 2 relevant studies for further consideration)

Short Title	Title	Reason for exclusion
	acetylcholinesterase inhibitors a viable option?	
Craig (2005)	Rivastigmine for vascular cognitive impairment	Original publication of Cochrane review (updated by Birks 2013- already included)
Craig (2006)	Galantamine for vascular cognitive impairment	Original publication of Birks 2013
Cubo (2006)	Effect of donepezil on motor and cognitive function in Huntington disease	Inclusion criteria at baseline (mean MMSE scores = 27 classified as normal cognitive impairment)
de Tommaso (2004)	Effects of rivastigmine on motor and cognitive impairment in Huntington's disease	Inclusion criteria at baseline (Mean MMSE scores > 22 classified as mild cognitive impairment)
de Tommaso (2007)	Two years' follow-up of rivastigmine treatment in Huntington disease	Open label CCT no randomisation
Demaerschalk (2007)	Treatment of vascular dementia and vascular cognitive impairment	Narrative summary cites various studies. Relevant studies previously retrieved for consideration
Dichgans (2008)	Donepezil in patients with subcortical vascular cognitive impairment: a randomised double-blind trial in CADASIL	Population had CADASIL and MCI not a formal dementia diagnosis
Diehl-Schmid (2008)	A 6-month, open-label study of memantine in patients with frontotemporal dementia	Open label CCT no randomisation reported
Ditzler (1991)	Efficacy and tolerability of memantine in patients with dementia syndrome. A double-blind, placebo controlled trial	Does not specify dementia subtype therefore unclear if population includes people with AD also
Erkinjuntti (2002)	Efficacy of galantamine in probable vascular dementia and Alzheimer's disease combined with cerebrovascular disease: a randomised trial	Does not include sub analysis of VaD population and unable to stratify or extract data on this population. Sub-analysis of the data is provided in Small et al (2003)
Erkinjuntti (2003)	An open-label extension trial of galantamine in patients with probable vascular dementia and mixed dementia	Does not report relevant outcomes Only considers placebo/ galantamine versus galantamine / galantamine
Fagerlund (2007)	Effects of Donepezil Adjunctive Treatment to Ziprasidone on Cognitive Deficits in Schizophrenia: A Double-blind, Placebo-Controlled Study	Inclusion based on schizophrenia only with no formal dementia diagnosis at baseline
Figiel (2008)	A systematic review of the effectiveness of rivastigmine for the treatment of behavioral disturbances in dementia and other neurological disorders	Narrative overview considering behavioural outcomes.
Freund-Levi (2014)	Galantamine versus risperidone for agitation in	Inclusion based on diagnosis of any dementia subtype including MCI and results

Short Title	Title	Reason for exclusion
	people with dementia: a randomized, twelve-week, single-center study	not stratified. Includes agitation outcomes not cognitive deficits
Friedman (2004)	Cholinergic targets for cognitive enhancement in schizophrenia: focus on cholinesterase inhibitors and muscarinic agonists	Narrative review paper only
Ghaemi (2009)	A double-blind, placebo-controlled pilot study of galantamine to improve cognitive dysfunction in minimally symptomatic bipolar disorder	Inclusion not based on a confirmed diagnosis of dementia. Based only on participants self-report of cognitive impairment
Gool (2002)	Use of galantamine to treat vascular dementia Erkinjuntti T, Kurz A, Gauthier S et al Efficacy of galantamine in probable vascular dementia and Alzheimer's disease combined with cerebrovascular disease: a randomised trial Lancet 2002;359:1283-90	Comment on Erkinjuntti (2002)
Hull (2002)	A randomized 26 week double blind placebo controlled trial to evaluate the safety and efficacy of galantamine in the treatment of vascular dementia	Clinical trials info only
Johnson (2010)	Pilot trial of memantine in primary progressive aphasia	Letter only
Kavirajan (2007)	Efficacy and adverse effects of cholinesterase inhibitors and memantine in vascular dementia: a meta-analysis of randomised controlled trials	Includes evidence from conference abstracts but all relevant full text studies previously retrieved
Kishi (2015)	Memantine for the treatment of frontotemporal dementia: a meta-analysis	Meta-analysis of two RCTs. Both studies previously identified for inclusion purposes
Kondoh (2011)	Donepezil significantly improves abilities in daily lives of female Down syndrome patients with severe cognitive impairment: A 24-week randomized, double-blind, placebo-controlled trial	Population inclusion criteria 32-58 years Participants had down syndrome with cognitive deficits but specific details of CI at baseline not reported No formal dementia diagnosis
Krupp (2004)	Donepezil improved memory in multiple sclerosis in a randomized clinical trial	Inclusion criteria at baseline (Mean MMSE scores 28 classified as normal cognitive impairment)
Kurz (2002)	Galantamine delays the onset of behavioral disturbances over 1 year in vascular dementia and Alzheimer's	Abstract only

Short Title	Title	Reason for exclusion
	disease with cerebrovascular disease	
Kurz (2003)	Long-term safety and cognitive effects of galantamine in the treatment of probable vascular dementia or Alzheimer's disease with cerebrovascular disease	Unable to extract data for VaD group only. No stratification or sub analysis possible
Kwon (2009)	A multicenter, open-label, 24-week follow-up study for efficacy on cognitive function of donepezil in Binswanger-type subcortical vascular dementia	Observational design only
Lee (2007)	A 12-week, double-blind, placebo-controlled trial of galantamine adjunctive treatment to conventional antipsychotics for the cognitive impairments in chronic schizophrenia	Duplicate reference
Lee (2007)	A 12-week, double-blind, placebo-controlled trial of donepezil as an adjunct to haloperidol for treating cognitive impairments in patients with chronic schizophrenia	Participants had schizophrenia and self-reported cognitive deficits (baseline MMSE >21)
Lindenmayer (2011)	Galantamine augmentation of long-acting injectable risperidone for cognitive impairments in chronic schizophrenia	Does not provide relevant outcomes. Repeated measures analysis for change over time not comparative outcomes intervention v placebo. Baseline mean age <40 years
Malouf (2004)	Donepezil for vascular cognitive impairment	Includes data from 2 trials reported in various articles relevant studies retrieved.
Marder (2002)	Efficacy of galantamine in probable vascular dementia and Alzheimer's disease combined with cerebrovascular disease: a randomized trial	Article not available
Matthews (2013)	A double-blind, placebo-controlled study of the impact of galantamine on anterograde memory impairment during electroconvulsive therapy	Inclusion criteria based on a population of people with depression treated with ECT. Does not report if population had a formal dementia diagnosis
Mazeh (2006)	Donepezil for negative signs in elderly patients with schizophrenia: An add-on, double-blind, crossover, placebo-controlled study	Inclusion based on diagnosis of schizophrenia with CI but no formal dementia diagnosis. Limited outcome measures reported
McShane (2006)	Memantine for dementia	Relevant studies retrieved
Moretti (2001)	Rivastigmine in subcortical vascular dementia: a	Editorial letter only



Short Title	Title	Reason for exclusion
	comparison trial on efficacy and tolerability for 12 months follow-up	
Moretti (2002)	An open-label pilot study comparing rivastigmine and low-dose aspirin for the treatment of symptoms specific to patients with subcortical vascular dementia	Not comparators of interest. Open label. Non randomised not placebo controlled
Moretti (2002)	Rivastigmine in subcortical vascular dementia: an open 22-month study	Non RCT. Not comparators of interest. Open label. Not placebo controlled
Moretti (2003)	Rivastigmine in subcortical vascular dementia: a randomized, controlled, open 12-month study in 208 patients	No method of randomisation. Open label not placebo controlled
Moretti (2004)	Rivastigmine superior to aspirin plus nimodipine in subcortical vascular dementia: an open, 16-month, comparative study	Non RCT. Open label study. Not placebo controlled. Not relevant comparators
Moretti (2004)	Rivastigmine in frontotemporal dementia: an open-label study	Non-randomised study. Not placebo controlled
Ondo (2007)	A pilot study of the clinical efficacy and safety of memantine for Huntington's disease	Editorial letter only. Reports on pilot of open label trial not placebo controlled. No randomisation reported
Orgogozo (2002)	Efficacy and safety of memantine in patients with mild to moderate vascular dementia: a randomized, placebo-controlled trial (MMM 300)	Duplicate study
Pelton (2008)	Randomized double-blind placebo-controlled donepezil augmentation in antidepressant-treated elderly patients with depression and cognitive impairment: A pilot study	Article not received
Pelton (2016)	Combined treatment with memantine/es-citalopram for older depressed patients with cognitive impairment: A pilot study	Open label trial only. Not placebo controlled, no randomisation of participants
Potkin (2006)	A pilot study evaluating the efficacy and safety of rivastigmine in patients with mixed dementia	Not placebo controlled, no randomisation. Open label study only
Prakash (2006)	Therapeutic and Prophylactic Utility of the Memory-Enhancing Drug Donepezil Hydrochloride on Cognition of Patients Undergoing	Inclusion based on use of ECT and prophylaxis for cognitive impairment rather than treatment for people diagnosed with dementia

Short Title	Title	Reason for exclusion
	Electroconvulsive Therapy: A Randomized Controlled Trial	
Pratt (2002)	Donepezil-treated patients with probable vascular dementia demonstrate cognitive benefits	Does not provide outcomes of interest
Pratt (2002)	Patient populations in clinical trials of the efficacy and tolerability of donepezil in patients with vascular dementia	Does not provide outcomes of relevance
Pratt (2003)	Patient populations in clinical studies of donepezil in vascular dementia	Does not assess relevant outcomes
Rojas-Fernandez (2009)	Current concepts in vascular cognitive impairment and pharmacotherapeutic implications	Narrative review. Relevant trials previously identified
Roman (2005)	Donepezil in vascular dementia: combined analysis of two large-scale clinical trials	Provides analysis of Black (2003) & Wilkinson (2003) - full text of both studies previously retrieved for inclusion
Rossom (2004)	Efficacy and tolerability of memantine in the treatment of dementia	Narrative review. Relevant trials previously identified for further consideration
Salloway (2002)	Donepezil is well tolerated in patients with vascular dementia: a comparison of tolerability in vascular dementia patients and Alzheimer's disease patients	Comparison is not appropriate
Seritan (2014)	Memantine for fragile X-associated tremor/ataxia syndrome: A randomized, double-blind, placebo-controlled trial	Article not received in time for review
Sesok (2014)	Cognitive function in early clinical phase huntington disease after rivastigmine treatment	Duplicate study
Sharma (2006)	Cognitive effects of adjunctive 24-weeks Rivastigmine treatment to antipsychotics in schizophrenia: A randomized, placebo-controlled, double-blind investigation	Inclusion criteria based on schizophrenia only and no formal diagnosis of dementia
Shaygannejad (2008)	Effects of rivastigmine on memory and cognition in multiple sclerosis.	Mean age of study population is 33 years at baseline
Silver (2006)	Effects of rivastigmine on cognitive function in patients with traumatic brain injury	Exclude on age. Mean age of participants below aged 40 years
Silver (2009)	Long-term effects of rivastigmine capsules in	Mean age of population is below aged 40 years

Short Title	Title	Reason for exclusion
	patients with traumatic brain injury	
Simioni (2012)	Rivastigmine for the treatment of HIV-associated neurocognitive disorders: A randomized, double-blind, placebo-controlled, crossover pilot study	Abstract only
Tommaso (2004)	Effects of rivastigmine on motor and cognitive impairment in Huntington's disease	No measures of dispersion reported. Only mean values (unable to extract data for analysis)
Tommaso (2007)	Two years' follow-up of rivastigmine treatment in Huntington disease	MMSE at baseline shows as people with MCI
Tugal (2004)	A double-blind, placebo controlled, cross-over trial of adjunctive donepezil for cognitive impairment in schizophrenia	Inclusion criteria based on diagnosis of schizophrenia only ad no formal diagnosis of dementia or CI
Villoslada (2009)	Memantine induces reversible neurologic impairment in patients with MS	Article not received in time for review
Wilkinson (2010)	The long-term efficacy and tolerability of donepezil in patients with vascular dementia	Open label extension only
Winblad (1999)	Memantine in severe dementia: results of the 9M-Best Study (Benefit and efficacy in severely demented patients during treatment with memantine)	Does not differentiate between AD and other dementias. No stratification or sub analysis possible
Yan (2007)	[Clinical study of combined treatment with compound Reinhartdt and Sea Cumber Capsule and donepezil for vascular dementia]	Article only available in Chinese
Zhao (2010)	Memantine for AIDS dementia complex: Open-label report of actg 301	Open label report
Zhao (2011)	Donepezil in the treatment of senile vascular dementia: A systematic review	Article only available in Chinese
Zhu (2014)	Adjunctive treatment for cognitive impairment in patients with chronic schizophrenia: A double-blind, placebo-controlled study	Population is aged 18 -40 years outside scope and inclusion criteria is not based on any formal diagnosis of dementia

## F.8 Drugs that may worsen cognitive decline

### F.8.1 Drugs that may cause cognitive decline

- What drugs that may worsen cognitive decline are commonly prescribed in people diagnosed with dementia?
- What are the most effective tools to identify whether drugs may be the cause of cognitive decline in someone suspected of having dementia?

Short Title	Title	Reason for exclusion
Anthony Walsh (2016)	Improving the appropriateness of prescribing in older patients: A systematic review and meta-analysis of pharmacists' interventions in secondary care	Systematic review on effectiveness of a pharmacist as an intervention to improve inappropriate prescribing. Not outcomes of relevance
Associations Between... (Lowry)	Associations Between the Anticholinergic Risk Scale Score and Physical Function: Potential Implications for Adverse Outcomes in Older Hospitalized Patients	Reports a scale already included in Salahudeen systematic review
Barry (2016)	Potentially Inappropriate Prescribing Among People with Dementia in Primary Care: A Retrospective Cross-Sectional Study Using the Enhanced Prescribing Database	Looks at prevalence of potentially inappropriate prescribing not on scales to assess
Bhattacharya (2011)	Prevalence and predictors of anticholinergic agents in elderly outpatients with dementia	ADS used to classify drugs outcomes based on Anderson Behavioural model linking with socioeconomic factors. Does not provide relevant outcomes
Boccardi (2016)	Anticholinergic burden and functional status in older people with cognitive impairment: Results from the ReGAI project	Looks at use of drugs with anticholinergic burden and functional status. Does not provide outcomes of interest
Bosboom (2012)	Use of Potentially Harmful Medications and Health-Related Quality of Life among People with Dementia Living in Residential Aged Care Facilities	Cross sectional study. Does not provide appropriate outcomes
Chan (2009)	Reduction of suboptimal prescribing and clinical outcome for dementia patients in a senior behavioral health inpatient unit	Before and after study. Looks at reduction of suboptimal prescribing does not report on use of tools or scales to identify cognitive decline
Chatterjee (2010)	Prevalence and predictors of anticholinergic medication use in elderly nursing home residents with dementia: analysis of data from the 2004 National Nursing Home Survey	Study does not report on use of tools or scales to identify cognitive decline
Chew (2005)	Serum anticholinergic activity and cognition in patients with moderate-to-severe dementia	Looks at association between SAA and cognitive performance but does not report on drug use. No relevant outcomes
Cross (2016)	Potentially Inappropriate Medications and Anticholinergic	Cross sectional analysis. Looks at drug types and population characteristics

Short Title	Title	Reason for exclusion
	Burden in Older People Attending Memory Clinics in Australia	associated with inappropriate prescribing. No outcomes of relevance
Dhikav (2014)	Polypharmacy and use of potentially inappropriate medications in patients with dementia and mild cognitive impairment	Looks at drug exposure not on scales used to assess
Fox (2011)	The impact of anticholinergic burden in Alzheimer's dementia- the LASER-AD study	Reports on correlation between total no of drugs and anticholinergic load
Ganjavi (2007)	Adverse drug events in cognitively impaired elderly patients	Study does not report on use of tools or scales to identify cognitive decline but on presence of adverse drug events
Gnjidic (2014)	Impact of high risk drug use on hospitalization and mortality in older people with and without Alzheimer's disease: a national population cohort study	Reports on drugs used but not on scales to assess. Does not provide outcomes of interest
Hori (2011)	Influence of anticholinergic activity in serum on clinical symptoms of Alzheimer's disease	Reports descriptive results on presence of SAA and drugs used. Reports correlational results on presence of SAA and dementia severity
Johnell (2015)	Inappropriate Drug Use in People with Cognitive Impairment and Dementia: A Systematic Review	looks at likelihood of inappropriate drug use
Kachru (2015)	Potentially inappropriate anticholinergic medication use in older adults with dementia	Does not provide appropriate outcomes. Just reports on drugs used not scales to assess
Karimi (2012)	Anticholinergic burden: Clinical implications for seniors and strategies for clinicians	Full text copy has not yet been received
Kashyap (2014)	Methodological challenges in determining longitudinal associations between anticholinergic drug use and incident cognitive decline	Does not provide evidence on a pre-defined scale
Kashyap (2015)	Small longitudinal study of serum anticholinergic activity and cognitive change in community-dwelling older adults	Does not provide evidence on a pre-defined scale
Kolanowski (2009)	A preliminary study of anticholinergic burden and relationship to a quality of life indicator, engagement in activities, in nursing home residents with dementia	Descriptive results only
Kolanowski (2015)	Anticholinergic Exposure During Rehabilitation: Cognitive and Physical Function Outcomes in Patients with Delirium Superimposed on Dementia	Looks at rehabilitation outcomes and does not report on use of tools to identify drugs causing cognitive decline. Does not report relevant outcomes
Konishi (2010)	Adverse effects of anticholinergic activity on cognitive functions in Alzheimer's disease	Reports correlation between number of prescribed prescriptions in SAA+ and

Short Title	Title	Reason for exclusion
		SAA- a. Does not report outcomes of interest
Konishi (2015)	Assessment of Cognitive Dysfunction Caused by Anticholinergic Burden in Japanese Alzheimer's Disease Patients, Using the Most Commonly Used Scales in Japan	Reports SAA+ and SAA- on outcomes of HDS-R (dementia rating criteria) Does not report outcomes of interest
Koyama (2013)	Ten-year trajectory of potentially inappropriate medications in very old women: importance of cognitive status	Does not provide evidence on a pre-defined scale
Laroche (2013)	Potentially inappropriate medications in the elderly with alzheimer's disease and related dementia	Conference abstract only
Lau (2010)	Polypharmacy and potentially inappropriate medication use among community-dwelling elders with dementia	Compares potentially inappropriate medications with total no of medications received. Does not provide appropriate outcomes
Lau (2011)	Functional decline associated with polypharmacy and potentially inappropriate medications in community-dwelling older adults with dementia	Does not look at tools to identify drugs causing cognitive decline but adverse outcomes associated with polypharmacy
Lee (2013)	Prescription patterns of anticholinergic agents and their associated factors in Korean elderly patients with dementia	Reports prescribing patterns defined by the ARS. ARS scale has previously been analysed based upon reports in Salahudeen 2015
Mate (2015)	Impact of multiple low-level anticholinergic medications on anticholinergic load of community-dwelling elderly with and without dementia	Reports on types of drug use not on scales to assess
Perri (2005)	Adverse outcomes associated with inappropriate drug use in nursing homes	Looks at presence of adverse outcomes from inappropriate drug use. Not use of tools/ scales to identify drugs
Reppas-Rindlisbacher (2016)	Anticholinergic Drug Burden in Persons with Dementia Taking a Cholinesterase Inhibitor: The Effect of Multiple Physicians	Considers association between number of physicians providing care and anticholinergic drug burden scores. Not outcomes of interest
Sura (2013)	Prevalence and determinants of anticholinergic medication use in elderly dementia patients	Full text copy has not yet been received
Sura (2015)	Anticholinergic drugs and health-related quality of life in older adults with dementia	Study does not report on use of tools or scales to identify cognitive decline
Swami (2016)	Anticholinergic Drug Use and Risk to Cognitive Performance in Older Adults with Questionable Cognitive Impairment: A Cross-Sectional Analysis	Descriptive analysis of drugs with anticholinergic burden and cognitive status
Zuckerman (2005)	Potentially inappropriate prescribing before and after	Does not look at cognitive decline but inappropriate prescribing patterns

Dementia  
Appendix F: Excluded studies

Short Title	Title	Reason for exclusion
	nursing home admission among patients with and without dementia	

## F.9 Non-pharmacological interventions for dementia

### F.9.1 Non-pharmacological interventions for people living with dementia

- What are the most effective non-pharmacological interventions for supporting cognitive functioning in people living with dementia?
- What are the most effective non-pharmacological interventions for supporting functional ability in people living with dementia?
- What are the most effective non-pharmacological interventions to support wellbeing in people living with dementia?
- What are the most effective methods of supporting people living with dementia to reduce harm and stay independent?

#### F.9.1.1 Cognitive rehabilitation, training and/or stimulation

Reference	Reason for exclusion
Goal-oriented cognitive rehabilitation in early-stage Alzheimer's disease: multi-centre single-blind randomised controlled trial (GREAT) (Project record). HTA Database. 2013; (4): Available from: <a href="http://onlinelibrary.wiley.com/doi/10.1111/hta.12107">http://onlinelibrary.wiley.com/doi/10.1111/hta.12107</a>	Study protocol
Apostolo J, Gil I, Rosa A, Almeida J, Fernandes A. The effect of cognitive stimulation on cognition in the elderly. <i>Alzheimers Dement.</i> 2013;9(4 SUPPL. 1):P650-P51.	Conference abstract
Barban F, Annicchiarico R, Perri R, Fadda L, Carlesimo GA, Pantelopoulos S, et al. Randomized clinical trial of a computer-based cognitive treatment for healthy elderly, clinical and preclinical Alzheimer's disease. the SOCIABLE project. <i>J Alzheimers Dis.</i> 2012;29:101.	Conference abstract
Bourgeois J, Laye M, Lemaire J, Leone E, Deudon A, Darmon N, et al. Relearning of activities of daily living: A comparison of the effectiveness of three learning methods in patients with dementia of the Alzheimer type. <i>J Nutr Health Aging.</i> 2015:1-8.	Comparison of different active cognitive training interventions without a usual care intervention
Casaleto K, Moore D, Woods S, Umlauf A, Scott J, Heaton R. Abbreviated Goal Management Training Shows Preliminary Evidence as a Neurorehabilitation Tool for HIV-associated Neurocognitive Disorders among Substance Users. <i>Clin Neuropsychol</i> 2016;30(1):107-30.	Does not contain a population of people living with dementia
Cheng S, Chow P, Song Y, Yu E, Chan A, Lee T, et al. Mental and physical activities delay cognitive decline in older persons with dementia. <i>Am J Geriatr Psychiatry.</i> 2014;22(1):63-74.	Trial does not include a relevant intervention
Cohen-Mansfield J, et al. Interventions for older persons reporting memory difficulties: a randomized controlled pilot study. <i>Int J Geriatr Psychiatry.</i> 2015;30(5):478–86.	Does not contain a population of people living with dementia
Concari L, Gardini S, Dieci F, Copelli S, Pellegrini FF, Ghetti C, et al. Cognitive and brain metabolism improvement after cognitive stimulation therapy. <i>Funct Neurol.</i> 2013;28:21-22.	Conference abstract
Costa NB, Aramaki F, Cecato J, Stella B, Araujo I, Aprahamian I, et al. Benefits of a computer-based cognitive training program for elderly subjects with mild Alzheimer's disease. <i>Int Psychogeriatr.</i> 2015;27:S119.	Conference abstract
D'Amico F, Rehill A, Knapp M, Aguirre E, Donovan H, Hoare Z, et al. Maintenance Cognitive Stimulation Therapy: An Economic	Economic evaluation



Reference	Reason for exclusion
Evaluation Within a Randomized Controlled Trial. <i>J Am Med Dir Assoc.</i> 2015;16(1):63-70.	
Dodge H, Bowman M, Zhau J, Matteck N, Wild K, Kaye J. A 6-week randomized controlled trial to increase social interactions using home-based technologies improved language-based executive function. <i>Alzheimers Dement.</i> 2014;10:P442.	Conference abstract
Fernandez-Calvo B, Contador I, Ramos F, Olazaran J, Mograbi DC, Morris RG. "Effect of unawareness on rehabilitation outcome in a randomised controlled trial of multicomponent intervention for patients with mild Alzheimer's disease": Corrigendum. <i>Neuropsychol Rehabil.</i> 2016;26(4):i.	Correction to a published article
Fiatarone Singh MA, Gates N, Saigal N, Wilson GC, Meiklejohn J, Brodaty H, et al. The Study of Mental and Resistance Training (SMART) Study—Resistance Training and/or Cognitive Training in Mild Cognitive Impairment: A Randomized, Double-Blind, Double-Sham Controlled Trial. <i>J Am Med Dir Assoc.</i> 2014;15(12):873-80.	Does not contain a population of people living with dementia
Fondazione Golgi Cenci. Effects of cognitive stimulation in elderly individuals at risk to develop dementia: a randomized controlled trial (Allena-Mente). In: <i>ClinicalTrials.gov</i> [internet]. Bethesda. US National Library of Medicine. 2013. Available from <a href="https://clinicaltrials.gov/ct2/show/NCT01793493">https://clinicaltrials.gov/ct2/show/NCT01793493</a> . Identifier: NCT01793493	Trial registry entry
Gaitán A, Garolera M, Cerulla N, Chico G, Rodriguez-Querol M, Canela-Soler J. Efficacy of an adjunctive computer-based cognitive training program in amnesic mild cognitive impairment and Alzheimer's disease: a single-blind, randomized clinical trial. <i>Int J Geriatr Psychiatry.</i> 2013;28(1):91-99.	Does not contain a population of people living with dementia
Gardini S, Faggian S, Pradelli S, Salvalaio E, Morciano E, Michelini G, et al. Adaptation of cognitive stimulation therapy in the Italian context. <i>J Alzheimers Dis.</i> 2016;53:S23-S24.	Conference abstract
Greenaway MC, Duncan NL, Smith GE. The memory support system for mild cognitive impairment: randomized trial of a cognitive rehabilitation intervention. <i>Int J Geriatr Psychiatry.</i> 2013;28(4):402-09.	Does not contain a population of people living with dementia
Hampstead B, Stringer A, Sathian K. A comparative study of mnemonic strategy and spaced retrieval training in patients with mild cognitive impairment. <i>Alzheimers Dement.</i> 2014;10:P157-p58.	Conference abstract
Helsinki University Central Hospital. Cognitive training on people with dementia - a randomized controlled trial. In: <i>Australian New Zealand Clinical Trials Registry</i> [internet]. Sydney. National Health and Medical Research Council (NHMRC) Clinical Trials Centre - University of Sydney. 2014. Available from <a href="https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=12614000976684">https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=12614000976684</a> . Identifier: ACTRN12614000976684	Trial registry entry
Hyer L, Scott C, Atkinson MM, Mullen CM, Lee A, Johnson A, et al. Cognitive training program to improve working memory in older adults with MCI. <i>Clin Gerontol.</i> 2016;39(5):410-27.	Does not contain a population of people living with dementia
Imbriano L, Podda L, Rendace L, Lucchese F, Campanelli A, D'Antonio F. Long-lasting cognitive stimulation temporary improves cognitive impairment in patients with Alzheimer's disease: the results from a 6-months follow-up controlled clinical study. <i>Funct Neurol.</i> 2013;Conference: 8th Congresso Nazionale Sindem 2013 Perugia Italy	Conference abstract

Reference	Reason for exclusion
Jelcic N, Agostini M, Meneghello F, Bussè C, Parise S, Galano A, et al. Feasibility and efficacy of cognitive telerehabilitation in early Alzheimer's disease: a pilot study. <i>Clin Interv Aging</i> . 2014;9:1605-11.	Comparison of different methods of cognitive stimulation, without a non-intervention control group
Kawashima R. Mental exercises for cognitive function: Clinical evidence. <i>J Prev Med Public Health</i> . 2013;46(SUPPL.1):S22-S27.	Data not presented in an extractable format
Kim K, Han J, Yoon J, Ryu S-H, Lee N-J, Hong J, et al. Effects of multimodal cognitive enhancement therapy (MCET) for people with mild cognitive impairment and early stage dementia: A randomized, controlled, double-blind, cross-over trial. <i>Alzheimers Dement</i> . 2015;11(7 suppl. 1):P465.	Conference abstract
Lalanne J, Gallarda T, Piolino P. "The Castle of Remembrance": New insights from a cognitive training programme for autobiographical memory in Alzheimer's disease. <i>Neuropsychol Rehabil</i> . 2015;25(2):254-82.	Comparison of different methods of cognitive training, without a non-intervention control group
Lin Q, Cao Y, Gao J. The impacts of a gO-game (Chinese chess) intervention on alzheimer disease in a Northeast Chinese population. <i>Front Aging Neurosci</i> . 2015;7:163.	No relevant outcome measures reported
Livelli A, Orofino GC, Calcagno A, Farenga M, Penoncelli D, Guastavigna M, et al. Evaluation of a cognitive rehabilitation protocol in HIV patients with associated neurocognitive disorders: Efficacy and stability over time. <i>Front Behav Neurosci</i> . 2015;9(Nov):306.	Does not contain a population of people living with dementia
Mahdavi A, Besharat MA, Taghizadeh ME, Isazadeh S, Ehsan N, Rezaei A. Effectiveness of multi-sensory stimulations upon restoration of cognitive performance of patients exposed vascular dementia. <i>Pharm Lett</i> . 2015;7(7):19-22.	Not a peer-reviewed publication
Middelstädt J, Folkerts AK, Blawath S, Kalbe E. Cognitive stimulation for people with dementia in long-term care facilities: Baseline cognitive level predicts cognitive gains, moderated by depression. <i>J Alzheimers Dis</i> . 2016;54(1):253-68.	Data not available in an extractable format
Moro V, Condoleo MT, Valbusa V, Broggio E, Moretto G, Gambina G. Cognitive stimulation of executive functions in mild cognitive impairment: Specific efficacy and impact in memory. <i>Am J Alzheimers Dis Other Demen</i> . 2015;30(2):153-64.	Does not contain a population of people living with dementia
Mosimann U, Tarnanas I, Dimitriadis S, Laskaris N, Bamidis P, Tsolaki M, et al. Serious gaming enhances cognitive function in MCI due to Alzheimer's disease. <i>Alzheimers Dement</i> . 2014;10:P922.	Conference abstract
Muñiz R, Serra C, Reisberg B, Rojo J, Ser T, Peña CJ, et al. Cognitive-motor intervention in Alzheimer's disease: long-term results from the Maria Wolff trial. <i>J Alzheimers Dis</i> . 2015;45(1):295-304.	Does not contain a relevant intervention
Neuronix Ltd. Effect of NeuroAD, combined TMS stimulation and cognitive training, on the cognitive function of mild to moderate Alzheimer patients. In: <i>ClinicalTrials.gov</i> [internet]. Bethesda. US National Library of Medicine. 2013. Available from <a href="https://clinicaltrials.gov/show/NCT01825330">https://clinicaltrials.gov/show/NCT01825330</a> . Identifier: NCT01825330	Trial registry entry
Ochmann S, Kasper E, Hoffmann W, Schneider W, Teipel S. Feasibility of a cognitive rehabilitation group program for patients with mild dementia in Alzheimer's disease: A randomized, controlled, single blinded pilot study. <i>Alzheimers Dement</i> . 2015;11(7 suppl. 1):P783.	Conference abstract

Reference	Reason for exclusion
Olchik MR, Farina J, Steibel N, Teixeira AR, Yassuda MS. Memory training (MT) in mild cognitive impairment (MCI) generates change in cognitive performance. <i>Arch Gerontol Geriatr.</i> 2013;56(3):442-47.	Does not contain a population of people living with dementia
Otani A, Matsumoto S, Ueda K, Nishi U. Effects of cognitive rehabilitation in outpatients with mild cognitive impairment. <i>Int Psychogeriatr.</i> 2013;25:S187.	Does not contain a population of people living with dementia
Paddick S-M. Cognitive stimulation therapy as a low-resource intervention for dementia in sub-Saharan Africa: Initial results of a controlled trial. <i>Alzheimers Dement.</i> 2015;11(7 suppl. 1):P607.	Conference abstract
Paddick SM, Mkenda S, Mbowe G, Kisoli A, Gray WK, Dotchin C, et al. Cognitive stimulation therapy (CST) as a sustainable intervention for dementia in low-resource settings: Results of a controlled trial in rural Tanzania. <i>Alzheimers Dement.</i> 2015;11(7 SUPPL. 1):P322.	Conference abstract
Polito L, Abbondanza S, Vaccaro R, Valle E, Davin A, Degrate A, et al. Cognitive stimulation in cognitively impaired individuals and cognitively healthy individuals with a family history of dementia: short-term results from the "Allena-Mente" randomized controlled trial. <i>Int J Geriatr Psychiatry.</i> 2015;30(6):631-38.	Does not include a population of people living with dementia
Rojas G, Villar V, Iturry M, Harris P, Serrano C, Herrera J, et al. Efficacy of a cognitive intervention program in patients with mild cognitive impairment. <i>Int Psychogeriatr.</i> 2013;25(5):825-31.	Does not include a population of people living with dementia
Schmitter-Edgecombe M, Dyck DG. Cognitive rehabilitation multi-family group intervention for individuals with mild cognitive impairment and their care-partners. <i>J Int Neuropsychol Soc.</i> 2014;20(9):897-908.	Does not include a population of people living with dementia
Silva A, Pinho M, Macedo L, Firmino H, Moulin C. Using SenseCam to stimulate cognitive function and decrease depressive symptoms in mild Alzheimer disease. <i>Int Psychogeriatr.</i> 2015;27:S50-s51.	Conference abstract
Universität Vechta - Institut für Gerontologie und Center für Neuropsychologische Diagnostik & Intervention (CeNDI). Effects of a cognitive stimulation program for people with dementia in nursing homes. In: German Clinical Trials Register [internet]. Freiburg. Institute for Medical Biometry and Statistics - University of Freiburg. 2015. Available from <a href="http://www.drks.de/DRKS00007720">http://www.drks.de/DRKS00007720</a> . Identifier: DRKS00007720	Trial registry entry
Zhuang J, Fang R, Feng X, Xu X, Liu L, Bai Q, et al. The impact of human-computer interaction-based comprehensive training on the cognitive functions of cognitive impairment elderly individuals in a nursing home. <i>J Alzheimers Dis.</i> 2013;36(2):245-51.	Greater than 50% of the study population have a diagnosis of MCI, rather than dementia

### F.9.1.2 Self-management groups

Reference	Reason for exclusion
Burgener SC, Yang Y, Gilbert R, Marsh-Yant S. The effects of a multimodal intervention on outcomes of persons with early-stage dementia. <i>Am J Alzheimers Dis Other Dement.</i> 2008;23(4):382-94	Multimodal intervention including an exercise component – covered in the exercise section of this review
Marshall A, et al. A pilot randomised controlled trial to compare changes in quality of life for participants with early diagnosis dementia who attend a 'Living Well with Dementia' group compared to waiting-list control. <i>Aging Ment Health.</i> 2015;19(6):526-35.	Paper include under the heading of psychotherapy interventions

Reference	Reason for exclusion
Young DK, Kwok TC, Ng PY. A single blind randomized control trial on support groups for Chinese persons with mild dementia. <i>Clin Interv Aging</i> . 2014;9:2105-12.	Focus of study is on the management of behavioural and psychological symptoms in people living with dementia, and is covered in the section of the guideline on non-pharmacological interventions for managing non-cognitive symptoms of dementia

### F.9.1.3 Reminiscence therapy

Reference	Reason for exclusion
Barban F, Annicchiarico R, Pantelopoulos S, Federici A, Perri R, Fadda L, et al. Protecting cognition from aging and Alzheimer's disease: a computerized cognitive training combined with reminiscence therapy. <i>Int J Geriatr Psychiatry</i> . 2016;31(4):340-48	Not a reminiscence therapy intervention
Deponte A, Missan R. Effectiveness of validation therapy (VT) in group: preliminary results. <i>Archives of Gerontology Geriatrics</i> . 2007;44:113-7.	Not a population of people living with dementia
Duru Asiret G, Kapucu S. The Effect of Reminiscence Therapy on Cognition, Depression, and Activities of Daily Living for Patients with Alzheimer Disease. <i>J Geriatr Psychiatry Neurol</i> . 2016;29(1):31-37.	Not a randomised controlled trial
Goldwasser AN, Auerbach SM, Harkins SW. Cognitive, affective and behavioural effects of reminiscence group therapy on demented elderly. <i>International Journal of Aging Human Development</i> . 1987;25:209-22	Data not reported in an extractable format
Hsu YC, Wang JJ. Physical, affective and behavioural effects of group reminiscence on depressed institutionalised elders in Taiwan. <i>Nursing Research</i> . 2009;58:294-29	Not a population of people living with dementia
Nakamura K, Kasai M, Nakai M, Nakatsuka M, Meguro K. The Group Reminiscence Approach Can Increase Self-Awareness of Memory Deficits and Evoke a Life Review in People With Mild Cognitive Impairment: The Kurihara Project Data. <i>J Am Med Dir Assoc</i> . 2016;17(6):501-07	Not a randomised controlled trial
Lai CKY, Chi I, Kayser-Jones J. A randomized controlled trial of a specific reminiscence approach to promote the well-being of nursing home residents with dementia. <i>International Psychogeriatrics</i> . 2004;16(1):33-49	No relevant outcome measured reported
Li M, Lv JH, Hao ZH. The effects of group reminiscence therapy on cognitive and self esteem level in patients with Alzheimer's disease. <i>Beijing Medical Journal</i> . 2014;36:809-11	Article not in English
O'Shea E, Devane D, Cooney A. The impact of reminiscence on the quality of life of residents with dementia in long term care. <i>International Journal of Geriatric Psychiatry</i> . 2014;29:1062-70	Study population is staff delivering reminiscence therapy, not people living with dementia receiving it
Thorgrimsen L, Schweitzer P, Orrell M. Evaluating reminiscence for people with dementia: A pilot study. <i>The Arts in Psychotherapy</i> . 2002;29:93-7	No relevant outcomes reported for people living with dementia

#### F.9.1.4 Occupational therapy

Reference	Reason for exclusion
Baglio F, Griffanti L, Saibene FL, Ricci C, Alberoni M, Critelli R, et al. Multistimulation group therapy in alzheimer's disease promotes changes in brain functioning. <i>Neurorehabil Neural Repair</i> 2015;29(1):13-24.	Not an occupational therapy intervention
Callahan CM, Boustani M, Schmid A, LaMantia M, Austrom M, Miller D, et al. Targeting functional decline: Results from the Alzheimer's disease multiple intervention trial. <i>J Am Geriatr Soc</i> . 2016;64:S7.	Conference abstract
Dooley NR, Hinojosa J. Improving quality of life for persons with Alzheimer's disease and their family caregivers: brief occupational therapy intervention. <i>American Journal of Occupational Therapy</i> . 2004:561-9	No relevant outcome measures reported
Dopp CM, Graff MJ, Teerenstra S, Olde Rikkert MG. Effectiveness of a training package for implementing a community-based occupational therapy program in dementia: A cluster randomised controlled trial. <i>Clinical Rehabilitation</i> . 2014;29:974-86	Evaluation of a staff training intervention – focus is on staff rather than patient outcomes
Higgins M, Koch K, Hynan LS, Carr S, Byrnes K, Weiner MF. Impact of an activities-based adult dementia care program. <i>Neuropsychiatric Disease and Treatment</i> . 2005;1(2) 165–169	Not a randomised controlled trial
Kumar P, Tiwari SC, Goel A, Sreenivas V, Kumar N, Tripathi RK. Novel occupational therapy interventions may improve quality of life in older adults with dementia. <i>International Archives of Medicine</i> 2014;7(26)	No relevant outcome measures reported
Politis AM, Vozzella S, Mayer LS, Onyike CU, Baker AS. A randomised controlled, clinical trial of activity therapy for apathy in patients with dementia residing in long term care. <i>International Journal of Geriatric Psychiatry</i> . 2004;19:1087-94	Not a relevant intervention – trial intervention is used as a treatment for apathy
Santos GD, Nunes PV, Stella F, Brum PS, Yassuda MS, Ueno LM, et al. Multidisciplinary rehabilitation program: Effects of a multimodal intervention for patients with Alzheimer's disease and cognitive impairment without dementia. <i>Revista de Psiquiatria Clinica</i> . 2015;42(6):153-56.	Not a population of people living with dementia

#### F.9.1.5 Psychotherapy

Reference	Reason for exclusion
Amieva H, Robert PH, Grandoulier AS, Meillon C, De Rotrou J, Andrieu S, et al. Group and individual cognitive therapies in Alzheimer's disease: The ETNA3 randomized trial. <i>Int Psychogeriatr</i> . 2016;28(5):707-17.	Not a relevant psychotherapy intervention
Bakker TJEM, Duivenvoorden HJ, van der Lee J, Olde Rikkert MGM, Beekman ATF, Ribbe MW. Integrative Psychotherapeutic Nursing Home Program to Reduce Multiple Psychiatric Symptoms of Cognitively Impaired Patients and Caregiver Burden: Randomized Controlled Trial. <i>Am J Geriatr Psychiatry</i> . 2010	No relevant outcome measures reported in the subpopulation of people living with dementia
Burgener SC, Yang Y, Gilbert R, Marsh-Yant S. The Effects of a Multimodal Intervention on Outcomes of Persons With Early-Stage Dementia. <i>Am J Alzheimers Dis Other Demen</i> . 2008;23(4):382-94	Not a relevant psychotherapy intervention
Carreira K, Miller MD, Frank E, Houck PR, Morse JQ, Dew, MA, et al. A controlled evaluation of monthly maintenance interpersonal Psychotherapy in late-life depression with varying	No relevant outcome measures reported in the subpopulation of people living with dementia

Reference	Reason for exclusion
levels of cognitive function. <i>Int J Geriatr Psychiatry</i> . 2008;23(11): 1110–3.	
Deponte A, Missan R. Effectiveness of validation therapy (VT) in group: preliminary results. <i>Archives of Gerontology Geriatrics</i> . 2007;44:113-7.	Not a population of people living with dementia
Hilgeman MM, Allen RS, Snow AL. Preserving identity and planning for advance care (PIPAC): preliminary outcomes from a patient centred intervention for individuals with mild dementia. <i>Aging Mental Health</i> . 2014;18:411-24.	Not a relevant psychotherapy intervention
Hirazakura A, Hatakeyama R, Fukuoka Y. Emotional therapy for patients with dementia. <i>Geriatric Gerontology International</i> . 2008;8:303-6.	Letter
Jha A, Jan F, Gale T, Newman C. Effectiveness of a recovery-orientated psychiatric intervention package on the wellbeing of people with early dementia: a preliminary randomised controlled trial. <i>International Journal of Geriatric Psychiatry</i> . 2013;28:589-96	Evaluation of a post-diagnostic intervention – considered in the section of this guideline on post-diagnostic counselling and support
Kiosses DN, Ravdin LD, Gross JJ, Raue P, Kotbi N, Alexopoulos GS. Problem adaptation therapy for older adults with major depression and cognitive impairment: A randomized clinical trial. <i>JAMA Psychiatry</i> . 2015;72(1):22-30.	Not a population of people living with dementia
Kurz A, Thone-Otto A, Cramer B. CORDIAL: Cognitive rehabilitation and cognitive-behavioral treatment for early dementia in Alzheimer’s disease: a multicentre randomized, controlled. <i>Alzheimer’s Disease and Associated Disorders</i> . 2012;26:246-53	Not a relevant psychotherapy intervention
Logsdon RC, McCurry SM, Teri L. Time limited support group interventions for individuals with early stage dementia and their care partners : preliminary outcomes from a controlled trial. <i>Clinical Gerontology</i> . 2006;30:5-19.	Not a relevant psychotherapy intervention
Logsdon RG, Pike KC, McCurry SM, Hunter P, Maher J, Snyder L, et al. Early-stage memory loss support groups: outcomes from a randomized controlled clinical trial. <i>Journal of Gerontology: Psychological Sciences</i> . 2010;65:691-7.	Not a relevant psychotherapy intervention
Quintana HD, Miro BM, Ibanez FI, Santana PA, Rojas HJ, Rodriguez GJ, et al. Mindfulness-based stimulation in advanced Alzheimer's disease: A comparative, non-inferiority, clinical pilot study. <i>Revista espanola de geriatria y gerontologia</i> . 2015;50(4):168-73.	Article not in English
Spector A, Charlesworth G, King M, Lattimer M, Sadek S, Marston L, et al. Cognitive–behavioural therapy for anxiety in dementia: pilot randomised controlled trial. <i>The British Journal of Psychiatry</i> . 2015;206:1-8.	CBT intervention for people with high levels of anxiety at baseline, with paper included in section of the guideline on managing non-cognitive symptoms in people living with dementia
Stanley MA, Calleo J, Bush AL, Wilson N, Snow AL, Kraus-Schuman C, et al. The Peaceful Mind Program: A Pilot Test of a CBT-Based Intervention for Anxious Patients with Dementia. <i>Am J Geriatr Psychiatry</i> 2013;21(7)	CBT intervention for people with high levels of anxiety at baseline, with paper included in section of the guideline on managing non-cognitive symptoms in people living with dementia

Reference	Reason for exclusion
Toseland RW, Diehl M, Freeman K. The impact of validation group therapy on nursing home residents with dementia. <i>Journal of Applied Gerontology</i> . 1997;16:31-50.	No relevant outcome measures reported
Waldorff FB, Buss DV, Rasmussen MLH, Keiding N, Rishoj S, Siersma V, et al. Efficacy of psychosocial intervention in patients with mild Alzheimer's disease: the multicentre, rater blinded, randomised Danish Alzheimer Intervention Study (DAISY). <i>BMJ</i> 2012;345:e4693	Evaluation of a post-diagnostic intervention – included in the section of this guideline on post-diagnostic counselling and support

### F.9.1.6 Exercise

Reference	Reason for exclusion
Barnes DE, Mehling W, Wu E, Beristianos M, Yaffe K, Skultety K, et al. Preventing Loss of Independence through Exercise (PLIE): A pilot clinical trial in older adults with dementia. <i>PLOS ONE</i> . 2015;10(2):e0113367.	Comparison of two different exercise interventions
Bruno R, Stea F, Ghiadoni L, Taddei S, Maffei L, Berardi N, et al. A combined cognitive-exercise training improves endothelial function in patients with mild cognitive impairment: The train the brain study. <i>Eur Heart J</i> . 2015;36:981.	Conference abstract
Cheng S, Chow P, Song Y, Yu E, Lam J. Can leisure activities slow dementia progression in nursing home residents? A cluster-randomized controlled trial. <i>Int Psychogeriatr</i> . 2014;26(4):637-43.	No relevant outcome measures reported
Conradsson M, Gustafson Y, Holmberg H, Lindelof N, Littbrand H, Nordstrom P, et al. Effects of a high-intensity exercise program on well-being among older people with dementia living in care facilities: A cluster-randomized trial. <i>Physio</i> . 2015;101:eS263-eS64.	Conference abstract
Dawson NT. Examining the effects of a moderate-intensity home-based functional exercise intervention on cognition and function in individuals with dementia. <i>Diss Abstr Int Sec A</i> . 2016;76(12-A(E))	Dissertation abstract
Eggermont LH, Swaab DF, Hol EM, Scherder EJ. Walking the line: a randomised trial on the effects of a short term walking programme on cognition in dementia. <i>Journal of Neurology, Neurosurgery &amp; Psychiatry</i> 2009;80(7):802-4.	No relevant outcome measures reported
Eggermont LH, Knol, DL, Hol EM, Swaab DF, Scherder EJ. Hand motor activity, cognition, mood, and the rest-activity rhythm in dementia: a clustered RCT. <i>Behavioural Brain Research</i> 2009;196:271-8.	No relevant outcome measures reported
Frances T, Sorrell J, Butler FR. The effects of regular exercise on muscle strength and functional abilities of late stage Alzheimer's residents. <i>American Journal of Alzheimer's Disease</i> , 1997;12(3):122-7	No relevant outcome measures reported
Ho R, Cheung J, Chan W, Cheung I, Lam L. A 3-arm randomized controlled trial on the effects of dance movement intervention and exercises on elderly with early dementia. <i>BMC Geriatr</i> . 2015;15:127.	Study protocol
Hokkanen L, Remes AM, Harkonen B. Dance and movement therapeutic methods in management of dementia: a randomised controlled study. <i>Journal of the American Geriatrics Society</i> . 2008;56(4):771-2.	Editorial letter
Holliman DC, Orgassa UC, Forney JP. Developing an interactive physical activity group in a geriatric psychiatry facility. <i>Activities, Adaptation and Aging</i> . 2011;26(1):57-69.	No relevant outcome measures reported

Reference	Reason for exclusion
Hsu C, Wang S, Bolandzadeh N, Dao E, Hsiung G-Y, Boyd L, et al. Aerobic exercise promotes executive functioning and associated functional neuroplasticity. <i>Alzheimers Dement</i> . 2015;11(7 suppl. 1):P550-p51.	Conference abstract
Kim MJ, Han CW, Min KY, Cho CY, Lee CW, Ogawa Y, et al. Physical Exercise with Multicomponent Cognitive Intervention for Older Adults with Alzheimer's Disease: A 6-Month Randomized Controlled Trial. <i>Dement Geriatr Cogn Disord Extra</i> . 2016;6(2):222-32.	Data not reported in an extractable format
Kloos AD, Fritz NE, Kostyk SK, Young GS, Kegelmeyer DA. Video game play (Dance Dance Revolution) as a potential exercise therapy in Huntington's disease: a controlled clinical trial. <i>Clin Rehabil</i> . 2013;27(11):972-82.	No relevant outcome measures reported
Lam LCW, Chan WM, Kwok TCY, Chiu HFK. Effectiveness of Tai Chi in maintenance of cognitive and functional abilities in mild cognitive impairment: A randomised controlled trial. <i>Hong Kong Med</i> . 2014;20(3 Suppl 3):S20-S23.	Not a study in a population of people living with dementia
Lam LC, Chan WC, Leung T, Fung AW, Leung EM. Would older adults with mild cognitive impairment adhere to and benefit from a structured lifestyle activity intervention to enhance cognition?: a cluster randomized controlled trial. <i>PLOS ONE</i> . 2015;10(3):e0118173.	Not a study in a population of people living with dementia
Liu-Ambrose T, Davis J, Best J, Eng J, Lee P, Jacova C, et al. Vascular cognitive impairment and aerobic exercise: A 6-month randomized controlled trial. <i>Alzheimers Dement</i> . 2015;11(7 suppl. 1):P323-p24.	Conference abstract
Lopez N, Veliz A, Soto-Anari M, Ollari J, Chesta S, Allegri R. Effects of a combined program of physical activity and cognitive training in Chilean patients with mild Alzheimer. [Spanish]. <i>Neurologia Argentina</i> . 2015;7(3):131-9.	Not in English
Low LF, Carroll S, Merom D, Baker JR, Kochan N, Moran F, et al. We think you can dance! A pilot randomised controlled trial of dance for nursing home residents with moderate to severe dementia. <i>Complement Ther Med</i> . 2016;29:42-44.	Study protocol
Lu J, Sun M, Liang L, Feng Y, Pan X, Liu Y. Effects of momentum-based dumbbell training on cognitive function in older adults with mild cognitive impairment: A pilot randomized controlled trial. <i>Clin Interv Aging</i> . 2015;11:9-16.	Not a study in a population of people living with dementia
Obisesan T. Gene, exercise, and memory study (gems): A randomized controlled clinical trial to evaluate the effects of standardized aerobic exercise on cognition and neurodegeneration in African Americans with mild Alzheimer's disease. <i>Alzheimers Dement</i> . 2015;11(7 suppl. 1):P834.	Conference abstract
Ohman H, Savikko N, Strandberg T, Kautiainen H, Raivio M, Laakkonen ML, et al. Effects of exercise on functional performance and fall rate in subjects with mild or advanced Alzheimer's disease: Secondary analyses of a randomized controlled study. <i>Dement Geriatr Cogn Disord</i> . 2016;41(3-4):233-41.	No relevant outcomes measures reported in an extractable format
Santana-Sosa E, Barriopedro MI, López-Mojares LM, Pérez M, Lucia A. Exercise training is beneficial for Alzheimer's patients. <i>Int J Sports Med</i> . 2008;29(10):845-50.	Data not reported in an extractable format



Reference	Reason for exclusion
Stevens J, Killeen M. A randomised controlled trial testing the impact of exercise on cognitive symptoms and disability of residents with dementia. <i>Contemporary Nurse</i> 2006;21 (1):32–40.	No relevant outcome measures reported
Vidoni ED, Watts AS, Burns JM, Greer CS, Graves RS, Van Sciver A, et al. Feasibility of a memory clinic-based physical activity prescription program. <i>J Alzheimers Dis.</i> 2016;53(1):161-70.	No relevant outcome measures reported
Williams CL, Tappen RM. Exercise training for depressed older adults with Alzheimer's disease. <i>Aging &amp; Mental Health</i> 2008;12(1):72–80.	Population of people with dementia and depression at baseline – considered in the section of this guideline on managing non-cognitive symptoms
Yaguez L, Shaw KN, N, Morris R, Matthews D. The effects on cognitive functions of a movement-based intervention in patients with Alzheimer's type dementia: a pilot study. <i>International Journal of Geriatric Psychiatry.</i> 2011;26(2):173-81.	No relevant outcome measures reported
Zamfirescu A, Mirsu-Paun A, Capisizu A, Aurelian S, Slavila M, Omer I, et al. Effectiveness of physical exercise training in elderly with mild to moderate dementia. <i>Eur J Neurol.</i> 2015;22:173.	Conference abstract

### F.9.1.7 Nutrition

Reference	Reason for exclusion
Beck AM, Damkjaer K, and Beyer N (2008) Multifaceted nutritional intervention among nursing-home residents has a positive influence on nutrition and function. <i>Nutrition (Burbank, Los Angeles County, and Calif.)</i> 24(11-12), 1073-80	Included elderly patients - no specific definition of dementia
Carlsson M, Littbrand H, Gustafson Y, Lundin-Olsson L, Lindelof N, Rosendahl E, and Haglin L (2011) Effects of high-intensity exercise and protein supplement on muscle mass in ADL dependent older people with and without malnutrition: a randomized controlled trial. <i>The journal of nutrition, and health &amp; aging</i> 15(7), 554-60	Outcomes of interests not reported/investigated
Chai XS, Weng Z, Zhao CY, Zhang SJ (1998) A double-blinded randomized	Data not available in English
de Jager CA, Oulhaj A, Jacoby R, Refsum H, and Smith AD (2012) Cognitive and clinical outcomes of homocysteine-lowering B-vitamin treatment in mild cognitive impairment: a randomized controlled trial. <i>International journal of geriatric psychiatry</i> 27(6), 592-600	MCI population
Dysken MW, Guarino PD, Vertrees JE, Asthana S, Sano M, Llorente M, Pallaki M, Love S, Schellenberg GD, McCarten JR, Malphurs J, Prieto S, Chen P, Loreck DJ, Carney S, Trapp G, Bakshi RS, Mintzer JE, Heidebrink JL, Vidal-Cardona A, Arroyo LM, Cruz AR, Kowall NW, Chopra MP, Craft S, Thielke S, Turvey CL, Woodman C, Monnell KA, Gordon K, Tomaska J, and Vatassery G (2014) Vitamin E and memantine in Alzheimer's disease: clinical trial methods and baseline data. <i>Alzheimer's &amp; dementia : the journal of the Alzheimer's Association</i> 10(1), 36-44	Study rationale paper
Fiatarone MA, O'Neill EF, Ryan ND, Clements KM, Solares GR, Nelson ME, Roberts SB, Kehayias JJ, Lipsitz LA, and Evans WJ (1994) Exercise training and nutritional supplementation for physical frailty in very elderly people. <i>The New England journal of medicine</i> 330(25), 1769-75	Outcomes of interest not reported/investigated

Kato S, Hashimoto M, Ohno Miho, Hato K, Kutakura M, Tanabe Y, Yagamuchi S, Shido (2015) Effects of dietary n-3 pufa intervention on cognitive function and mental health in Japanese oldest-elderly with dementia. Poster presentation: P3	Conference paper
Kenkmann A, Price GM, Bolton J, and Hooper L (2010) Health, wellbeing and nutritional status of older people living in UK care homes: an exploratory evaluation of changes in food and drink provision. <i>BMC geriatrics</i> 10, 28	Not a randomised control trial
Krikorian R, Nash TA, Shidler MD, Shukitt-Hale B, and Joseph JA (2010) Concord grape juice supplementation improves memory function in older adults with mild cognitive impairment. <i>The British journal of nutrition</i> 103(5), 730-4	Outcomes of interest not reported/investigated and individuals with cognitive impairment were excluded, unclear if mild/moderate were included.
Krikorian R, Shidler MD, Nash TA, Kalt W, Vinqvist-Tymchuk MR, Shukitt-Hale B, and Joseph JA (2010) Blueberry supplementation improves memory in older adults. <i>Journal of agricultural and food chemistry</i> 58(7), 3996-4000	MCI population dementia population excluded
Lauque S, Arnaud-Battandier F, Mansourian R, Guigoz Y, Paintin M, Nourhashemi F, and Vellas B (2000) Protein-energy oral supplementation in malnourished nursing-home residents. A controlled trial. <i>Age and ageing</i> 29(1), 51-6	Unclear if the participants had dementia – only description from abstract is ‘elderly people’.
Li WN, Yu HY (2011) The efficacy of Huperzine A in treating mild to moderate	Data not available in English
Liu W, Galik E, Boltz M, Nahm ES, and Resnick B (2015) Optimizing Eating Performance for Older Adults With Dementia Living in Long-term Care: A Systematic Review. <i>Worldviews on evidence-based nursing</i> 12(4), 228-35	Outcome of interest measured at baseline but not at follow up
Liu W, Galik E, Nahm ES, Boltz M, and Resnick B (2015) Optimizing Eating Performance for Long-Term Care Residents With Dementia: Testing the Impact of Function-Focused Care for Cognitively Impaired. <i>Journal of the American Medical Directors Association</i> 16(12), 1062-8	Outcome of interest measured at baseline but not at follow up
Lloret A, Badía MC, Mora NJ, Pallardó FV, Alonso MD, Viña J. Vitamin E paradox in Alzheimer’s disease: it does not prevent loss of cognition and may even be detrimental. <i>Journal of Alzheimer’s Disease</i> 2009;17(1):143–9.	Data not reported in an extractable format
Manders M, De Groot LC, Hoefnagels WH, Dhonukshe-Rutten RA, Wouters-Wesseling W, Mulders AJ, and Van Staveren WA (2009) The effect of a nutrient dense drink on mental and physical function in institutionalized elderly people. <i>The journal of nutrition, and health &amp; aging</i> 13(9), 760-7	Outcomes of interest recorded as a median and range value
Ory MG, Schechtman KB, Miller JP, Hadley EC, Fiatarone MA, Province MA, Arfken CL, Morgan D, Weiss S, and Kaplan M (1993) Frailty and injuries in later life: the FICSIT trials. <i>Journal of the American Geriatrics Society</i> 41(3), 283-96	Not a randomised controlled trial and not a nutrition intervention study
Oulhaj A, Jerneren F, Refsum H, Smith AD. Omega-3 fatty acid status enhances the prevention of cognitive decline by B vitamins in mild cognitive impairment	Not a population of people living with dementia
Pivi GA, da Silva RV, Juliano Y, Novo NF, Okamoto IH, Brant CQ, and Bertolucci PH (2011) A prospective study of nutrition education and oral nutritional supplementation in patients with Alzheimer’s disease. <i>Nutrition journal</i> 10, 98	Outcomes of interests not reported/investigated
Rosendahl E, Lindelof N, Littbrand H, Yifter-Lindgren E, Lundin-Olsson L, Haglin L, Gustafson Y, and Nyberg L (2006) High-	Not a population of people living with dementia

intensity functional exercise program and protein-enriched energy supplement for older persons dependent in activities of daily living: a randomised controlled trial. <i>The Australian journal of physiotherapy</i> 52(2), 105-13	
Sano M, Ernesto C, Thomas RG, Klauber MR, Klauber MR, Schafer K, et al. A controlled trial of selegiline, alpha-tocopherol, or both as treatment for Alzheimer's disease. <i>New England Journal of Medicine</i> 1997;336(9):1216-7.	Data not reported in an extractable format
Shi BH, Li YF, Li CY, Shi W, Chen XH (2013) Clinical study of huperzine A on patients with mild and moderate Alzheimer disease. <i>Practical Pharmacy And Clinical Remedies</i> 16: 37-38.	Data not available in English
Stange I, Bartram M, Liao Y, Poeschl K, Kolpatzik S, Uter W, Sieber CC, Stehle P, and Volkert D (2013) Effects of a low-volume, nutrient- and energy-dense oral nutritional supplement on nutritional and functional status: a randomized, controlled trial in nursing home residents. <i>Journal of the American Medical Directors Association</i> 14(8), 628.e1-8	Included participants not diagnosed with dementia, and outcome of interests recorded as median values
Sadhu A, Upadhyay P, Agrawal A, Ilango K, Karmakar D, Singh GP, and Dubey GP (2014) Management of cognitive determinants in senile dementia of Alzheimer's type: therapeutic potential of a novel polyherbal drug product. <i>Clinical drug investigation</i> 34(12), 857-69	Dementia participants excluded from study
Simmons SF, Zhuo X, and Keeler E (2010) Cost-effectiveness of nutrition interventions in nursing home residents: a pilot intervention. <i>The journal of nutrition, and health &amp; aging</i> 14(5), 367-72	Outcomes of interest not reported/investigated and includes all elderly residents not specific to dementia
Smith D, Rerfsun H, Oulhaj A, de Jager CA, Jerneren F. Beneficial interactions between B vitamins and omega-3 fatty acids in the prevention of brain atrophy and of cognitive decline in early stage Alzheimer's disease. <i>The FASEB Journal</i> . 2016;30(1)	Conference abstract
Tajadini H, Saifadini R, Chooapani R, Mehrabani M, Kamalinejad M, and Haghdoust AA (2015) Herbal medicine Davaie Loban in mild to moderate Alzheimer's disease: A 12-week randomized double-blind placebo-controlled clinical trial. <i>Complementary therapies in medicine</i> 23(6), 767-72	Outcome of interest measured but not recorded in preferred format
van Uffelen JG, Chinapaw MJ, van Mechelen W, and Hopman-Rock M (2008) Walking or vitamin B for cognition in older adults with mild cognitive impairment? A randomised controlled trial. <i>British journal of sports medicine</i> 42(5), 344-51	Outcomes of interest not reported and MCI population
Wade AG, Farmer M, Harari G, Fund N, Laudon M, Nir T, Frydman-Marom A, and Zisapel N (2014) Add-on prolonged-release melatonin for cognitive function and sleep in mild to moderate Alzheimer's disease: a 6-month, randomized, placebo-controlled, multicentre trial. <i>Clinical interventions in aging</i> 9, 947-61	Dementia participants excluded from study
Wouters-Wesseling W, Slump E, Kleijer CN, de Groot LC, and van Staveren WA (2006) Early nutritional supplementation immediately after diagnosis of infectious disease improves body weight in psychogeriatric nursing home residents. <i>Aging clinical and experimental research</i> 18(1), 70-4	Outcomes of interest not reported/investigated
Wouters-Wesseling W, Wouters AE, Kleijer CN, Bindels JG, de Groot CP, and van Staveren WA (2002) Study of the effect of a liquid nutrition supplement on the nutritional status of psychogeriatric nursing home patients. <i>European journal of clinical nutrition</i> 56(3), 245-51	Outcome of interest recorded as a median and range value

Zhu A, Wu Z, Huang Y, Nakanishi H, Wi S. Brazilian propolis improves cognitive functions and regulates serum cytokine balances in patients with mild cognitive impairment at high altitude. 2014	Conference abstract
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### F.9.1.8 Music therapy

Reference	Reason for exclusion
Cheung (2016) The effects of the music-with-movement intervention on the cognitive functions of people with moderate dementia: a randomized controlled trial.	Excluded on publication - not peer-reviewed publication
Chou (2012) The effectiveness of group music therapy to improve depression and cognition status in elderly persons with dementia	Excluded on publication type - conference abstract
Clark (1998) Use of music to decrease aggressive behaviors in people with dementia.	Excluded on outcome - outcome of interest not investigated/reported
Clements-Cortes (2016) Short-Term Effects of Rhythmic Sensory Stimulation in Alzheimer's Disease: An Exploratory Pilot Study.	Excluded on outcome - outcomes not reported in preferred way
Fischer-Terworth (2012) [Effects of a psychological group intervention on neuropsychiatric symptoms and communication in Alzheimer's dementia].	Excluded on study type - non RCT - parallel group design but randomisation was not possible
Groene (1993) Effectiveness of Music Therapy 1:1 Intervention with Individuals Having Senile Dementia of the Alzheimer's Type	Exclude on reporting - no baseline data reported
Hsiung (2015) A randomized controlled trial of music therapy in managing behavioral symptoms in Alzheimer disease	Excluded on publication type - conference abstract
Hsu (2015) Individual music therapy for managing neuropsychiatric symptoms for people with dementia and their carers: a cluster randomised controlled feasibility study.	Excluded on reporting - unclear whether reported data only includes people with dementia or people with dementia as well as their carers
Ikeda (2006) Effects of nursing intervention using rhythmic exercise for patients with severe senile dementia	Excluded on language - non English
Innes (2016) Effects of Meditation versus Music Listening on Perceived Stress, Mood, Sleep, and Quality of Life in Adults with Early Memory Loss: A Pilot Randomized Controlled Trial.	Excluded on patient population - mild cognitive impairment or unclear whether participants have dementia
Innes (2016) A randomized controlled trial of two simple mind-body programs, Kirtan Kriya meditation and music listening, for adults with subjective cognitive decline: Feasibility and acceptability.	Excluded on patient population - mild cognitive impairment or unclear whether participants have dementia
Liesk (2012) Neuropsychological therapy and music geragogy for patients with mild to moderate dementia	Excluded on publication type - conference abstract
Liesk (2015) [Cognitive stimulation and music intervention for people with dementia in nursing homes: A pilot study, problems and perspectives].	Exclude on comparator - cognitive stimulation
Lord (1993) Effects of music on Alzheimer patients.	Excluded on outcome - outcome of interest not investigated/reported
Lyu (2014) The effect of music therapy on memory, language and psychological symptoms of patients with mild Alzheimer's disease. [Chinese].	Excluded on language - non English

Reference	Reason for exclusion
McHugh (2012) The effect of pre-meal, vocal re-creative music therapy on nutritional intake of residents with Alzheimer's disease and related dementias: A pilot study	Excluded on outcome - outcome of interest not investigated/reported
Nair (2011) The effect of Baroque music on behavioural disturbances in patients with dementia.	Excluded on outcome - outcome of interest not investigated/reported
Narme (2012) [Non pharmacological treatment for Alzheimer's disease: comparison between musical and non-musical interventions].	Excluded on language - non English
Narme (2013) Efficacy of musical interventions in moderate to severe dementia: Evidence from a randomized controlled trial	Excluded on publication type - conference abstract
Raglio (2008) Efficacy of music therapy in the treatment of behavioral and psychiatric symptoms of dementia.	Excluded on outcome - outcomes not reported in preferred way
Raglio (2010) Efficacy of music therapy treatment based on cycles of sessions: a randomised controlled trial.	Excluded on outcome - outcomes not reported in preferred way NPI reported only graphically, MMSE only reported at baseline
Raglio (2010) Effects of music therapy on psychological symptoms and heart rate variability in patients with dementia. A pilot study.	Excluded on outcome - outcomes not reported in preferred way
Raglio (2012) Addendum to 'Efficacy of music therapy treatment based on cycles of sessions: a randomised controlled trial' (Raglio et al., 2010).	Excluded on outcome - outcomes not reported in preferred way - no SD/SE reported for NPI
Raglio (2013) Listening to music and active music therapy in behavioral disturbances in dementia: a crossover study.	Exclude on study design - crossover no reporting before crossover
Sanchez (2016) Comparing the Effects of Multisensory Stimulation and Individualized Music Sessions on Elderly People with Severe Dementia: A Randomized Controlled Trial.	Excluded on intervention - multisensory stimulation
Sarkamo (2015) Cognitive, emotional, and neural benefits of musical leisure activities in stroke and dementia	Excluded on publication type - conference abstract
Sarkamo (2016) Pattern of Emotional Benefits Induced by Regular Singing and Music Listening in Dementia.	Excluded on outcome - outcome of interest not investigated/reported
Silber (1999) The Influence of Background Music on the Performance of the Mini Mental State Examination with Patients Diagnosed with Alzheimer's Disease.	Excluded on comparator - music played in the background
Sithinamsuwan (2012) The effect of Thai traditional music on cognitive function, psychological health and quality of sleep among older Thai individuals with dementia.	Excluded on publication type - conference abstract
Vink (2013) The effect of music therapy compared with general recreational activities in reducing agitation in people with dementia: a randomised controlled trial.	Excluded on outcome - outcomes not reported in preferred way
Vink (2014) Effect of music therapy versus recreational activities on neuropsychiatric symptoms in elderly adults with dementia: an exploratory randomized controlled trial.	Excluded on outcome - outcomes not reported in preferred way - NPI reported in graph only

### F.9.1.9 Aromatherapy

Reference	Reason for exclusion
Cameron (2011) Using lemon balm oil to reduce aggression and agitation in dementia: results of a pilot study	Exclude on study design - crossover first-period data not available
Chengdu. (2014) Comparison of Aroma-Acupressure and aromatherapy in improving the problem behaviours of dementia. In: Chinese Clinical Trial Register [internet]. ChiCTR-TRC-14004810	Excluded on publication type - trial protocol only
Fu (2013) A randomised controlled trial of the use of aromatherapy and hand massage to reduce disruptive behaviour in people with dementia.	Excluded on outcome - outcome of interest not investigated/reported
Lin (2007) Efficacy of aromatherapy ( <i>Lavandula angustifolia</i> ) as an intervention for agitated behaviours in Chinese older persons with dementia: a cross-over randomized trial.	Exclude on study design - crossover first-period data not available
O'Connor (2013) A randomized, controlled cross-over trial of dermally-applied lavender ( <i>Lavandula angustifolia</i> ) oil as a treatment of agitated behaviour in dementia.	Excluded on outcome - outcome of interest not investigated/reported
Smallwood (2001) Aromatherapy and behaviour disturbances in dementia: a randomized controlled trial.	Excluded on outcome - outcome of interest not investigated/reported
Yang (2015) Comparison of the efficacy of aroma-acupressure and aromatherapy for the treatment of dementia-associated agitation.	Excluded on outcome - outcomes not reported in extractable format (unclear at what time points data are reported)
Yoshiyama (2015) The Effect of Aroma Hand Massage Therapy for People with Dementia.	Exclude on study design - crossover first-period data not available

### F.9.1.10 Light therapy

Reference	Reason for exclusion
Ancoli-Israel (2003) Effect of light on agitation in institutionalized patients with severe Alzheimer disease.	Excluded on outcome - outcomes not reported in extractable format
Ancoli-Israel (2003) Increased light exposure consolidates sleep and strengthens circadian rhythms in severe Alzheimer's disease patients.	Excluded on outcome - outcome of interest not investigated/reported
Bromundt (2016) The effects of a new dawn-dusk simulator on circadian reactivity cycles, sleep, mood and well-being in dementia patients-a pilot study	Excluded on publication type - conference abstract
Dowling (2005) Effect of timed bright light treatment for rest-activity disruption in institutionalized patients with Alzheimer's disease.	Excluded on outcome - outcome of interest not investigated/reported
Dowling (2007) Light treatment for neuropsychiatric behaviors in Alzheimer's disease.	Excluded on outcome - outcomes not reported in extractable format
Dowling (2008) Melatonin and bright-light treatment for rest-activity disruption in institutionalized patients with Alzheimer's disease.	Excluded on outcome - outcome of interest not investigated/reported
Fontana (2003) Dawn-dusk simulation light therapy of disturbed circadian rest-activity cycles in demented elderly.	Excluded on outcome - outcome of interest not investigated/reported

Reference	Reason for exclusion
Hu (2016) Progression of Dementia Assessed by Temporal Correlations of Physical Activity: Results From a 3.5-Year, Longitudinal Randomized Controlled Trial.	Excluded on outcome - outcomes not reported in extractable format
Laborie (2010) Effect of bright light and melatonin on cognitive and non-cognitive function	Excluded on language - non English
Lyketsos (1999) A randomized, controlled trial of bright light therapy for agitated behaviors in dementia patients residing in long-term care.	Exclude on study design - crossover first-period data not available
Most (2010) Prevention of depression and sleep disturbances in elderly with memory-problems by activation of the biological clock with light--a randomized clinical trial.	Exclude on study design - protocol only
Nowak (2011) Qualitative analysis of therapeutic light effects on global function in Alzheimer's disease.	Excluded on outcome - outcomes not reported in extractable format
Okawa (1991) Circadian rhythm disorders in sleep-waking and body temperature in elderly patients with dementia and their treatment.	Excluded on outcome - outcome of interest not investigated/reported
Riemersma-van (2008) Effect of bright light and melatonin on cognitive and noncognitive function in elderly residents of group care facilities: a randomized controlled trial.	Excluded on outcome - outcomes not reported in extractable format

#### F.9.1.11 Motor-cognitive dual-task training

Reference	Reason for exclusion
Coelho FGM, Andreade LP, Pedroso RV, Santos-Galduroz RF, Gobbi S, Costa JLR, Gobbi LTB. Multimodal exercise intervention improves frontal cognitive functions and gait in Alzheimer's disease: a controlled trial. <i>Geriatr Gerontol Int.</i> 2013; 13:198–203	Not a randomised controlled trial
de Andreade LP, Gobbi LTB, Coelho FGM, Christofolletti G, Costa JLR, Stella F. Benefits of multimodal exercise intervention for postural control and frontal cognitive functions in individuals with Alzheimer's disease: a controlled trial. <i>J Am Geriatr Soc.</i> 2013; 61:1919–1926.	Not a randomised controlled trial
Schwenk M, Zieschang T, Oster P, Hauer K. Dual-task performances can be improved in patients with dementia: a randomized controlled trial. <i>Neurology.</i> 2010; 74:1961–1968	No relevant outcome measures reported

#### F.9.1.12 Non-invasive brain stimulation

Reference	Reason for exclusion
Anderkova L, Eliasova I, Marecek R, and Rektorova I (2015) Repetitive transcranial magnetic stimulation enhanced attention and psychomotor speed in patients with early alzheimer's disease. <i>Neurodegener Dis</i> ,	Excluded on publication type - conference abstract
Biundo R, Weis L, Fiorenzato E, Gentile G, Giglio M, Schifano R, Campo MC, Marcon V, Martinez-Martin P, Bisiacchi P, and Antonini A (2015) Double-blind Randomized Trial of t-DCS Versus Sham in Parkinson Patients With Mild Cognitive Impairment Receiving Cognitive Training. <i>Brain stimulation</i> 8(6), 1223-5	Excluded on patient population - mild cognitive impairment
Boggio PS, Ferrucci R, Mameli F, Martins D, Martins O, Vergari M, Tadini L, Scarpini E, Fregni F, and Priori A (2012) Prolonged visual memory enhancement after direct current stimulation in Alzheimer's disease. <i>Brain stimulation</i> 5(3), 223-30	Excluded on outcome - outcome of interest not investigated/reported

Reference	Reason for exclusion
Boggio PS, Khoury LP, Martins DC, Martins OE, de Macedo EC, and Fregni F (2009) Temporal cortex direct current stimulation enhances performance on a visual recognition memory task in Alzheimer disease. <i>Journal of neurology, neurosurgery, and and psychiatry</i> 80(4), 444-7	Exclude on study design - crossover no first-period data available
Bystad M, Gronli O, Rasmussen ID, Gundersen N, Nordvang L, Wang-Iversen H, and Aslaksen PM (2016) Transcranial direct current stimulation as a memory enhancer in patients with Alzheimer's disease: a randomized, placebo-controlled trial. <i>Alzheimer's research &amp; therapy</i> 8(1), 13	Excluded on outcome - outcomes not reported in preferred way
Coppi E, Ferrari L, Nuara A, Chieffo R, Houdayer E, and Bianco M (2015) Deep repetitive transcranial magnetic stimulation with H-coil in Alzheimer's disease: A double-blind, placebo-controlled pilot study. <i>Eur J Neurol</i> , 22:277	Excluded on publication type - conference abstract
Cotelli M, Manenti R, Cappa SF, Geroldi C, Zanetti O, Rossini PM, and Miniussi C (2006) Effect of transcranial magnetic stimulation on action naming in patients with Alzheimer disease. <i>Archives of neurology</i> 63(11), 1602-4	Excluded on outcome - outcome of interest not investigated/reported
Cotelli M, Manenti R, Cappa SF, Zanetti O, and Miniussi C (2008) Transcranial magnetic stimulation improves naming in Alzheimer disease patients at different stages of cognitive decline. <i>European journal of neurology</i> 15(12), 1286-92	Excluded on outcome - outcome of interest not investigated/reported
Cotelli M, Manenti R, Petesi M, Brambilla M, Cosseddu M, Zanetti O, Miniussi C, Padovani A, and Borroni B (2014) Treatment of primary progressive aphasia by transcranial direct current stimulation combined with language training. <i>Journal of Alzheimer's disease : JAD</i> 39(4), 799-808	Excluded on outcome - outcome of interest not investigated/reported
Eliasova I, Anderkova L, Marecek R, and Rektorova I (2014) Non-invasive brain stimulation of the right inferior frontal gyrus may improve attention in early Alzheimer's disease: a pilot study. <i>Journal of the neurological sciences</i> 346(1-2), 318-22	Excluded on study type - non RCT
Ferrucci R, Mameli F, Guidi I, Mrakic-Sposta S, Vergari M, Marceglia S, Cogiamanian F, Barbieri S, Scarpini E, and Priori A (2008) Transcranial direct current stimulation improves recognition memory in Alzheimer disease. <i>Neurology</i> 71(7), 493-8	Excluded on outcome - outcome of interest not investigated/reported
Gardini S, Ferrucci R, Ruggiero F, Vergari M, Mameli F, and Spallazzi M (2016) Improvement of speed processing and neuropsychiatric symptoms in fronto-temporal dementia after transcranial direct current stimulation. <i>J Neurochem</i> , 138:427	Excluded on publication type - conference abstract
Khedr EM, Gamal NF, El-Fetoh NA, Khalifa H, Ahmed EM, Ali AM, Noaman M, El-Baki AA, and Karim AA (2014) A double-blind randomized clinical trial on the efficacy of cortical direct current stimulation for the treatment of Alzheimer's disease. <i>Frontiers in aging neuroscience</i> 6, 275	Excluded on outcome - outcomes not reported in preferred way
Lesoil C, Godard J, Teichmann M, Valero-Cabre A, Vernet M, Levy R, and et al (2015) Transcranial direct current stimulation in language disorders in semantic primary progressive aphasia: "Towards a rational therapy in degenerative diseases of language". <i>Eur J Neurol</i> , 22:100	Excluded on publication type - conference abstract
Ownby RL, and Acevedo A (2016) A pilot study of cognitive training with and without transcranial direct current stimulation to improve cognition in older persons with HIV-related cognitive impairment. <i>Neuropsychiatric disease and treatment</i> 12, 2745-2754	Excluded on patient population - unclear whether participants have dementia



Reference	Reason for exclusion
Roncero CT, Chertkow H, Vogt H, Service E, Malus M, and Solomon S (2015) Tdcs stimulation alongside picture training improves naming scores in anomic dementia patients. <i>Alzheimers Dement</i> , 11(7 SUPPL. 1):P616	Excluded on publication type - conference abstract
Rutherford G, Lithgow B, and Moussavi Z (2015) Short and Long-term Effects of rTMS Treatment on Alzheimer's Disease at Different Stages: A Pilot Study. <i>Journal of experimental neuroscience</i> 9, 43-51	Exclude on study design - crossover no first-period data reported
Sandrini M, Manenti R, Brambilla M, Cobelli C, Cohen LG, and Cotelli M (2016) Older adults get episodic memory boosting from noninvasive stimulation of prefrontal cortex during learning. <i>Neurobiology of aging</i> 39, 210-6	Excluded on patient population - healthy adults only

### F.9.1.13 Acupuncture

Reference	Reason for exclusion
Chen (2009) [Controlled study of auricular point taping and pressing therapy for treatment of vascular dementia].	Excluded on language - non English
Chen (2012) [Effect of three-line puncture on the Governor Vessel and Bladder Meridian on head on cognitive function of vascular dementia patients].	Excluded on language - non English
Chu (2008) [Effect of long-time retention of scalp needle on the abilities of cognition, daily living activity and P300 in vascular dementia patients].	Excluded on language - non English
Feng (2014) Observation on efficacy of treating vascular dementia gait disorder with electro-acupuncture (EA) on Jiaji (EX-B2) along lumbar vertebra combined with scalp acupuncture	Excluded on comparator - pharmacological intervention
Dong (2002) 11 cases of Alzheimer's disease treated by acupuncture	Not retrieved to date
Gu (2014) [Clinical observation of Alzheimer's disease treated with acupuncture].	Excluded on language - non English
Li (2002) Clinic control research of Alzheimer's disease by the combination of acupuncture and Danggui Shaoyao San (DGSYS) of TCM	Excluded on language - non English
Li (2012) [Observation on therapeutic effect of acupuncture combined with medicine on mild cognition disorders in patients with post-stroke].	Excluded on language - non English
Li (2014) [Effects of scalp acupuncture combined with auricular point sticking on cognitive behavior ability in patients with vascular dementia].	Excluded on language - non English
Liu (2008) [Therapeutic effects of scalp-acupuncture in patients with vascular dementia induced by cerebral infarction: a randomized controlled trial].	Excluded on language - non English
Liu (2008) [Clinical investigation on electroacupuncture treatment of vascular dementia with "Xiusanzhen"].	Excluded on language - non English
Peng (2009) [Clinical observation on acupuncture combined with Yizhi Jiannao granules for treatment of Alzheimer's disease].	Excluded on language - non English

Reference	Reason for exclusion
Shi (2014) Effects of acupuncture on Chinese medicine syndromes of vascular dementia.	Excluded on outcome - outcome of interest not investigated/reported
Shi (2015) Acupuncture for Vascular Dementia: A Pragmatic Randomized Clinical Trial.	Excluded on outcome - outcomes not reported in extractable format (outcome data presented in graphs only)
Wang (2016) Efficacy and safety assessment of acupuncture and nimodipine to treat mild cognitive impairment after cerebral infarction: a randomized controlled trial.	Excluded on patient population - mild cognitive impairment or unclear whether participants have dementia
Zhang (2008) [Clinically multi-central randomized controlled study on scalp electroacupuncture for treatment of vascular dementia].	Excluded on language - non English
Zhang (2013) Clinical observation on effect of scalp electroacupuncture for mild cognitive impairment.	Excluded on patient population - mild cognitive impairment or unclear whether participants have dementia
Zhao (2009) Electroacupuncture on the head points for improving gnosis in patients with vascular dementia.	Excluded on comparator - pharmacological intervention

#### F.9.1.14 Interventions to promote independence

Study	Reason for exclusion
ATILLA group (2013). Assistive Technology and Telecare to maintain Independent Living At home for people with dementia: The ATILLA Trial (Project record). Health Technology Assessment Database, (4), pp..	Study protocol
Barnes D, Mehling W, Wu E, Yaffe K, Beristianos M, and Chesney M. (2013). Preventing loss of independence through exercise (PLIE). <i>Alzheimer's and Dementia</i> , 1), pp.P476.	Conference presentation
Barnes De, Mehling W, Yaffe K, Abrams G, Boscardin Wj, and Chesney M. (2015). Preventing loss of independence through exercise in person with dementia in the va (plie-va): Study protocol. <i>Alzheimer's &amp; dementia</i> , 11(7 suppl. 1), pp.P577-p578.	Conference presentation
Barnes De, Mehling W, Wu E, Beristianos M, Yaffe K, Skultety K, and Chesney Ma. (2015). Preventing Loss of Independence through Exercise (PLIE): A pilot clinical trial in older adults with dementia. <i>PloS one</i> , 10(2), pp..	Duplicate reference
Barnes De, Lee J, Leyva Y, Chesney Ma, Yaffe K, Abrams G, and Mehling W. (2017). Preventing loss of independence through exercise in persons with dementia in the VA (plie-va). <i>Alzheimer's and dementia</i> . Conference: alzheimer's association international conference 2016. Canada. Conference start: 20160722. Conference end: 20160728, 12(7 Supplement), pp.P1123.	Conference presentation
Black B S, Johnston D, Rabins P V, Morrison A, Lyketsos C, and Samus Q M. (2013). Unmet needs of community-residing persons with dementia and their informal caregivers: Findings from the	Secondary publication from Samas (2014) that does not provide additional relevant data

Study	Reason for exclusion
maximizing independence at home study. <i>Journal of the American Geriatrics Society</i> , 61(12), pp.2087-2095.	
Buettner, L. L. & Ferrario, J. (1997). Therapeutic recreation-nursing team: a therapeutic intervention for nursing home residents with dementia. <i>Annual in Therapeutic Recreation.</i> , 7 21-8, 91, 93 passim, 17.	Narrative review
Chandler, J. M., Duncan, P. W., Kochersberger, G., & Studenski, S. (1998). Is lower extremity strength gain associated with improvement in physical performance and disability in frail, communitydwelling elders? <i>Arch Phys Med Rehabil</i> , 79, 24-30.	No relevant outcome measures reported
Clarfield A Mark, and Dwolatzky Tzvi. (2013). Exercise in Alzheimer Disease : Comment on 'Effects of the Finnish Alzheimer Disease Exercise Trial (FINALEX): A Randomized Controlled Trial'. <i>JAMA Internal Medicine</i> , 173(10), pp.901-902.	Editorial
Cott, C. A., Dawson, P., Sidani, S., & Wells, D. (2002). The effects of a walking/talking program on communication, ambulation, and functional status in residents with Alzheimer disease. <i>Alzheimer Disease &amp; Associated Disorders.</i> , 16, 81-87.	No relevant outcome measures reported
Dechamps A, Marcel O R, Fasotti L, Robert P, and Kessels R. (2011). Overviewand preliminary results of the 3 LM-AD study: Comparison of 3 learning techniques in Alzheimer disease. <i>Alzheimer's and Dementia</i> , 1), pp.S779-S780.	Conference presentation
Dooley, N. R. & Hinojosa, J. (2004). Improving quality of life for persons with Alzheimer's disease and their family caregivers: brief occupational therapy intervention. <i>American Journal of Occupational Therapy.</i> , 58, 561-569.	No relevant outcome measures reported
Francese, T., Sorrell, J., & Butler, F. R. (1997). The effects of regular exercise on muscle strength and functional abilities of late stage Alzheimer's residents. <i>American Journal of Alzheimer's Disease.</i> , 12, 122-127	No relevant outcome measures reported
Graff Maud J. L, Vernooij-Dassen Myrra J. M, Thijssen Marjolein, Dekker Joost, Hoefnagels Willibrord H. L, and Rikkert Marcel G. M. Olde. (2006). Community Based Occupational Therapy for Patients with Dementia and their Care Givers: Randomised Controlled Trial. <i>BMJ (British Medical Journal)</i> , 333(7580), pp.1196-1199.	Duplicate reference
Graff M J, Adang E M, Vernooij-Dassen M J, Dekker J, Jonsson L, Thijssen M, Hoefnagels W H, and Rikkert M G. (2008). Community occupational therapy for older patients with dementia and their care givers: cost effectiveness study. <i>BMJ</i> , 336(7636), pp.134-8.	Economic evaluation
Hoffmann K, Frederiksen Ks, Sobol Na, Beyer N, Vogel A, Andersen Bb, Lolk A, Gottrupp H, Waldemar G, and Hasselbalch Sg. (2014). Impact of physical activity and cognition on activities of daily living in home-dwelling patients with mild to moderate Alzheimer's disease. <i>Alzheimer's &amp; dementia</i> , 10, pp.P761-p762.	Conference presentation
Iraqi A, Vickrey B G, Mittman B S, and Chodosh J. (2007). Disease management intervention on quality and outcomes of dementia care...	Letter
Jensen, J., Nyberg, L., Gustafson, Y., & Lundin-Olsson, L. (2003). Fall and injury prevention in residential care--effects in residents with higher and lower levels of cognition. <i>Journal of the American Geriatrics Society.</i> , 51, 627-635.	Not a study in a population of people living with dementia
Vickrey BG, Mittman BS, Connor KI, Pearson ML, Della Penna RD, Ganiats TG, et al. The effect of a disease management intervention on quality and outcomes of dementia care: a randomized, controlled	No relevant outcome measures reported

Study	Reason for exclusion
trial. <i>Ann Intern Med.</i> 2006; 145:713-26. <i>Annals of Internal Medicine</i> , 147(1), pp.69-69.	
J L Graff Maud. (2006). Community based occupational therapy for patients with dementia and their care givers: randomised controlled trial. <i>British Medical Journal</i> , 9.12.06, pp.1196-1199.	Duplicate reference
J L Graff Maud, and et al. (2008). Community occupational therapy for older patients with dementia and their care givers: cost effectiveness study. <i>British Medical Journal</i> , 19.01.08, pp.134-138.	Duplicate reference
Khalil Hanan, Quinn Lori, van Deursen , Robert , Dawes Helen, Playle Rebecca, Rosser Anne, and Busse Monica. (2013). What effect does a structured home-based exercise programme have on people with Huntington's disease? A randomized, controlled pilot study. <i>Clinical Rehabilitation</i> , 27(7), pp.646-658.	No relevant outcome measures reported
Laakkonen M, Holtta E, Savikko N, Tilvis R, Strandberg T, Suominen M, and Pitkälä K. (2012). Psychosocial group intervention to enhance self-management skills of people with dementia and their caregivers-a randomized controlled trial. <i>European Geriatric Medicine</i> , 3, pp.S28-S29.	Conference presentation
Lin L C, Huang Y J, Su S G, Watson R, Tsai B W, and Wu S C. (2010). Using spaced retrieval and Montessori-based activities in improving eating ability for residents with dementia. <i>International Journal of Geriatric Psychiatry</i> , 25(10), pp.953-9.	No relevant outcome measures reported
Lin L C, Huang Y J, Watson R, Wu S C, and Lee Y C. (2011). Using a Montessori method to increase eating ability for institutionalised residents with dementia: a crossover design. <i>Journal of Clinical Nursing</i> , 20(21-22), pp.3092-101.	Not a relevant intervention
Luttenberger K, Hofner B, and Graessel E. (2012). Are the effects of a non-drug multimodal activation therapy of dementia sustainable? Follow-up study 10 months after completion of a randomised controlled trial. <i>BMC neurology</i> , 12, pp.151.	No relevant outcome measures reported
McMurdo, M. E. & Johnstone, R. (1995). A randomized controlled trial of a home exercise programme for elderly people with poor mobility. <i>Age Ageing</i> , 24, 425-428.	The participants are not people living with dementia
Meuleman, J. R., Brechue, W. F., Kubilis, P. S., & Lowenthal, D. T. (2000). Exercise training in the debilitated aged: strength and functional outcomes. <i>Arch Phys Med Rehabil</i> , 81, 312-318	The participants are not people living with dementia
Morris, J. N., Fiatarone, M., Kiely, D. K., Belleville-Taylor, P., Murphy, K., Littlehale, S. et al. (1999). Nursing rehabilitation and exercise strategies in the nursing home. <i>J Gerontol A Biol Sci Med Sci</i> , 54, M494-M500.	The participants are not people living with dementia
Nowalk, M. P., Prendergast, J. M., Bayles, C. M., D'Amico, F. J., & Colvin, G. C. (2001). A randomized trial of exercise programs among older individuals living in two long-term care facilities: the FallsFREE program. <i>J Am Geriatr Soc</i> , 49, 859-865	The participants are not people living with dementia
Ochmann SI, Kasper E, Hoffmann W, Schneider W, and Teipel Sj. (2015). Feasibility of a cognitive rehabilitation group program for patients with mild dementia in Alzheimer's disease: A randomized, controlled, singleblinded pilot study. <i>Alzheimer's &amp; dementia</i> , 11(7 suppl. 1), pp.P96-p97.	Conference presentation
Öhman H, Savikko N, Strandberg T, Kautiainen H, Raivio M, Laakkonen M L, Tilvis R, and Pitkälä K H. (2016). Effects of exercise on functional performance and fall rate in subjects with mild or advanced Alzheimer's disease: Secondary analyses of a	No relevant outcome measures reported

Study	Reason for exclusion
randomized controlled study. <i>Dementia and Geriatric Cognitive Disorders</i> , 41(3-4), pp.233-241.	
Pitkälä K, Raivio M, Laakkonen MI, Tilvis R, Kautiainen H, and Strandberg T. (2011). Effects of intensive exercise intervention on Alzheimer's patients - A randomized, controlled trial. <i>European geriatric medicine</i> , 2, pp.S59.	Conference presentation
Pitkälä K H, Raivio M M, Laakkonen M L, Tilvis R S, Savikko N, Kautiainen H, and Strandberg T E. (2013). Effectiveness and costs of intensive exercise intervention on Alzheimer's patients-A randomized, controlled trial. <i>European Geriatric Medicine</i> , 4, pp.S8.	Conference presentation
Pitkälä Kh, Pöysti Mm, Laakkonen MI, Tilvis Rs, Savikko N, Kautiainen H, and Strandberg Te. (2013). Effects of the Finnish Alzheimer disease exercise trial (FINALEX): a randomized controlled trial. <i>JAMA internal medicine</i> , 173(10), pp.894-901.	Duplicate reference
Quinn C, Toms G, Jones C, Brand A, Edwards R T, Sanders F, and Clare L. (2016). A pilot randomized controlled trial of a self-management group intervention for people with early-stage dementia (The SMART study). <i>International Psychogeriatrics</i> , 28(5), pp.787-800.	No relevant outcome measures reported
Samus Q. (2017). Maximizing independence at home for people with dementia: design, outcomes, and future directions. <i>Alzheimer's and dementia. Conference: alzheimer's association international conference 2016. Canada. Conference start: 20160722. Conference end: 20160728</i> , 12(7 Supplement), pp.P216-p217.	Conference presentation
Saulnier I, Lachal F, Tchalla A, Trimouillas J, Gourdeau-Nauche F, Bernard-Bourzeix L, Peyrichou S, Fortune S, and Dantoine T. (2012). Assessment of an automated tele vigilance system on serious falls prevention in a dementia specialized care unit: The URCC. <i>Journal of Nutrition, and Health and Aging</i> , 16 (9), pp.865.	Conference presentation
Schnelle, J. F., Macrae, P. G., Ouslander, J. G., Simmons, S. F., & Nitta, M. (1995). Functional Incidental Training, mobility performance, and incontinence care with nursing home residents. <i>J Am Geriatr Soc</i> , 43, 1356-1362.	The participants are not people living with dementia
Schnelle, J. F., Macrae, P. G., Giacobassi, K., Macrae, H. S., Simmons, S. F., & Ouslander, J. G. (1996). Exercise with physically restrained nursing home residents: maximizing benefits of restraint reduction. <i>J Am Geriatr Soc</i> , 44, 507-512.	Not a relevant intervention
Schnelle, J. F., Alessi, C. A., Simmons, S. F., Al-Samarrai, N. R., Beck, J. C., & Ouslander, J. G. (2002). Translating clinical research into practice: a randomized controlled trial of exercise and incontinence care with nursing home residents. <i>J Am Geriatr Soc</i> , 50, 1476-1483.	No relevant outcome measures reported
Shaw, F. E., Bond, J., Richardson, D. A., Dawson, P., Steen, I. N., McKeith, I. G. et al. (2003). Multifactorial intervention after a fall in older people with cognitive impairment and dementia presenting to the accident and emergency department: randomised controlled trial. <i>BMJ</i> , 326, 73-79.	Not a relevant intervention
Shimada, H., Uchiyama, Y., & Kakurai, S. (2003). Specific effects of balance and gait exercises on physical function among the frail elderly. <i>Clinical Rehabilitation.</i> , 17, 472-479.	The participants are not people living with dementia
Steinberg M, Leoutsakos J M, Podewils L J, and Lyketsos C G. (2009). Evaluation of a home-based exercise program in the treatment of Alzheimer's disease: the Maximizing Independence in	No relevant outcome measures reported

Study	Reason for exclusion
Dementia (MIND) study. International Journal of Geriatric Psychiatry, 24(7), pp.680-5.	
Tappen, R. M. (1994). The effect of skill training on functional abilities of nursing home residents with dementia. Research in Nursing & Health., 17, 159-165.	No relevant outcome measures reported
Tappen, R. M., Roach, K. E., Applegate, E. B., & Stowell, P. (2000). Effect of a combined walking and conversation intervention on functional mobility of nursing home residents with Alzheimer disease. Alzheimer Disease & Associated Disorders., 14, 196-201.	No relevant outcome measures reported
Teri, L., Gibbons, L. E., McCurry, S. M., Logsdon, R. G., Buchner, D. M., Barlow, W. E. et al. (2003). Exercise plus behavioral management in patients with Alzheimer disease: a randomized controlled trial. JAMA : the journal of the American Medical Association, 290, 2015-2022.	No relevant outcome measures reported
Toots A, Littbrand H, Lindelof N, Wiklund R, Holmberg H, Nordstrom P, Lundin-Olsson L, Gustafson Y, and Rosendahl E. (2014). Effects of a high-intensity functional exercise program on activities of daily living in people with dementia living in residential facilities: A clusterrandomised controlled trial. Alzheimer's and Dementia, 10, pp.P163.	Conference presentation
Toulotte, C., Fabre, C., Dangremont, B., Lensele, G., & Thevenon, A. (2003). Effects of physical training on the physical capacity of frail, demented patients with a history of falling: a randomised controlled trial. Age & Ageing., 32, 67-73.	Study included in the review question on managing intercurrent illness in people living with dementia
Toots A, Littbrand H, Lindelof N, Wiklund R, Holmberg H, Nordstrom P, Lundin-Olsson L, Gustafson Y, and Rosendahl E. (2015). Effects of a high-intensity functional exercise program on adls and balance in people with dementia: A cluster randomised controlled trial. Physiotherapy (United Kingdom), 101, pp.eS1526-eS1527.	Conference presentation
Wong Sk, Roth DI, Huang J, Black B, Johnston D, Rabins P, Gitlin L, Lyketsos C, and Samus Q. (2014). The maximizing independence (MIND) at home care coordination program for elders with memory disorders: Effect on service utilization. Journal of the American Geriatrics Society, 62, pp.S9.	Conference presentation
Woolham John. (2006). Safe at home: the effectiveness of assistive technology in supporting the independence of people with dementia: the safe at home project. London: Hawker.	Non-peer reviewed publication
Worm, C. H., Vad, E., Puggard, L., Stovring, H., Lauritsen, J., & Kragstrup, J. (2001). Effects of a multicomponent exercise program on functional ability in community-dwelling, frail older adults. J Aging Phys Activity, 9, 414-424.	The participants are not people living with dementia
Wu E, and et al. (2015). Preventing Loss of Independence through Exercise (PLIE): qualitative analysis of a clinical trial in older adults with dementia. Aging and Mental Health, 19(4), pp.353-362.	Not a relevant study design

## F.9.2 Pre, peri and post-diagnostic counselling and support for people living with dementia and their families

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

Short Title	Title	Reason for exclusion
Bates (2004)	Psychosocial interventions for people with a milder dementing illness: a systematic review	Paper does not report the mean length of time since dementia diagnosis at baseline
Brodaty (2004)	Making Memories: pilot evaluation of a new program for people with dementia and their caregivers	Paper does not report the mean length of time since dementia diagnosis at baseline
Cheston (2009)	A small-scale study comparing the impact of psycho-education and exploratory psychotherapy groups on newcomers to a group for people with dementia	Paper does not report the mean length of time since dementia diagnosis at baseline
Eloniemi-Sulkava (2009)	Family care as collaboration: effectiveness of a multicomponent support program for elderly couples with dementia. Randomized controlled intervention study	Paper does not report the mean length of time since dementia diagnosis at baseline
Epstein (2006)	Couples counseling in Alzheimer's disease: first observations of a novel intervention study	This is a case series study
Gaugler (2011)	The Memory Club: Providing support to persons with early-stage dementia and their care partners	Paper does not report the mean length of time since dementia diagnosis at baseline
Gitlin (2001)	A randomized, controlled trial of a home environmental intervention: effect on efficacy and upset in caregivers and on daily function of persons with dementia	Paper does not report the mean length of time since dementia diagnosis at baseline
Ishizaki (2002)	Therapeutic psychosocial intervention for elderly subjects with very mild Alzheimer disease in a community: The tajiri project	Paper does not report the mean length of time since dementia diagnosis at baseline
Jha (2013)	Effectiveness of a recovery-orientated psychiatric intervention package on the wellbeing of people with early dementia	Only 60% of participants were diagnosed with dementia
LaBarge (1988)	Counseling clients with mild senile dementia of the Alzheimer's type: A pilot study	Paper does not report the mean length of time since dementia diagnosis at baseline
Livingston (2014)	START (STrategies for RelaTives) study: a pragmatic randomised controlled trial to determine the clinical effectiveness and cost-effectiveness of a manual-based coping strategy programme in promoting the mental health of carers of people with dementia	Intervention aimed at the caregiver
Livingston (2014)	Long-term clinical and cost-effectiveness of psychological intervention for family carers of people with dementia: A single-blind, randomised, controlled trial	Intervention aimed at the caregiver

Short Title	Title	Reason for exclusion
Logsdon (2006)	Time-limited support groups for individuals with early stage dementia and their care partners: preliminary outcomes from a controlled clinical trial	Paper does not report the mean length of time since dementia diagnosis at baseline
Logsdon (2010)	Early-stage memory loss support groups: outcomes from a randomized controlled clinical trial	Paper does not report the mean length of time since dementia diagnosis at baseline
McAiney (2012)	'Throwing a lifeline: The role of first link™ in enhancing support for individuals with dementia and their caregivers	Relevant outcome measures were not reported
Meeuwssen (2012)	Effectiveness of dementia follow-up care by memory clinics or general practitioners: randomised controlled trial	This RCT has been included in review question 9
Menn (2012)	Dementia care in the general practice setting: a cluster randomized trial on the effectiveness and cost impact of three management strategies	Participants were diagnosed with dementia for an average of 2 years at baseline
Moniz-Cook (1998)	A preliminary study of the effects of early intervention with people with dementia and their families in a memory clinic	Participants were diagnosed with dementia for an average of 2 years at baseline
Perren (2006)	Caregivers' adaptation to change: the impact of increasing impairment of persons suffering from dementia on their caregivers' subjective well-being	Paper does not report the mean length of time since dementia diagnosis at baseline
Prick (2016)	The effects of a multicomponent dyadic intervention on the mood, behavior, and physical health of people with dementia: a randomized controlled trial	Paper does not report the mean length of time since dementia diagnosis at baseline
Quayhagen (2000)	Coping with dementia: evaluation of four nonpharmacologic interventions	Paper does not report the mean length of time since dementia diagnosis at baseline
Quinn (2016)	A review of self-management interventions for people with dementia and mild cognitive impairment	Narrative review
Richardson (2016)	Psychosocial interventions for people with young onset dementia and their carers: a systematic review	Paper does not report the mean length of time since dementia diagnosis at baseline
Roberts (2009)	Evaluation of an education and support program for early-stage Alzheimer's disease	Paper does not report the mean length of time since dementia diagnosis at baseline
Rosness (2008)	Support to family carers of patients with frontotemporal dementia	Participants were diagnosed with dementia for an average of 2 years at baseline
Smits (2007)	Effects of combined intervention programmes for people with dementia living at home and their caregivers: a systematic review	Paper does not report the mean length of time since dementia diagnosis at baseline
Sogaard (2014)	Early psychosocial intervention in Alzheimer's disease: cost utility	This is a cost utility evaluation. Efficacy findings have been included from Waldorff 2012



Short Title	Title	Reason for exclusion
	evaluation alongside the Danish Alzheimer's Intervention Study (DAISY)	
Välimäki (2014)	Decreasing sense of coherence and its determinants in spousal caregivers of persons with mild Alzheimer's disease in three year follow-up: ALSOVA study	Secondary publication not providing any additional relevant data
Valimaki (2015)	Depressed Spousal Caregivers Have Psychological Stress Unrelated to the Progression of Alzheimer Disease: A 3-Year Follow-Up Report, Kuopio ALSOVA Study	Secondary publication not providing any additional relevant data
Valimaki (2016)	Impact of Alzheimer's disease on the family caregiver's long-term quality of life: results from an ALSOVA follow-up study	Secondary publication not providing any additional relevant data
Wang (2011)	Randomised controlled trial of a family-led mutual support programme for people with dementia	Participants were diagnosed with dementia for an average of 2 years at baseline
Weeks (2010)	Training nurses to deliver post-diagnostic dementia support	Intervention aimed at nurses

## F.10 Managing non-cognitive symptoms

### F.10.1 Interventions for treating illness emergent non-cognitive symptoms in people living with dementia

- 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?
- 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?

#### F.10.1.1 Pharmacological interventions

##### Systematic reviews

Short Title	Title	Reason for exclusion
Ballard (2006)	Atypical antipsychotics for aggression and psychosis in Alzheimer's disease	More recent systematic review available on the same topic
Branton (2007)	Antiandrogenic treatment for sexual disinhibition in male patients with dementia	Cochrane review withdrawn from publication
Cardinali (2011)	The use of chronobiotics in the resynchronization of the sleep/wake cycle. Therapeutical application in the early phases of Alzheimer's disease	Relevant RCTs already included
Corbett (2014)	Don't use antipsychotics routinely to treat agitation and aggression in people with dementia	Narrative paper
Corbett (2016)	Dextromethorphan and quinidine are suitable for off-label short-term treatment of agitation in people with Alzheimer's disease following firstline non-drug approaches	Editorial summary only
De Deyn (2006)	Risperidone in the management of agitation and aggression associated with psychiatric disorders	Narrative synthesis, Relevant trials ordered for consideration
de Jonghe (2010)	Effectiveness of melatonin treatment on circadian rhythm disturbances in dementia. Are there implications for delirium? A systematic review	Relevant RCTs already included
Declercq (2013)	Withdrawal versus continuation of chronic antipsychotic drugs for behavioural and psychological symptoms in older people with dementia	Does not contain any additional relevant data compared to systematic review published by Pan et al
Defrancesco (2015)	Use of benzodiazepines in Alzheimer's disease: A systematic review of literature	No relevant outcome data reported as part of systematic review
Drijgers (2009)	Pharmacological treatment of apathy in neurodegenerative diseases: A systematic review	Narrative synthesis. Does not pool evidence. Relevant papers previously identified for inclusion

Short Title	Title	Reason for exclusion
Enmarker (2011)	Management of person with dementia with aggressive and violent behaviour: a systematic literature review	Literature review only. Relevant papers previously identified for consideration
Forchetti (2005)	Treating patients with moderate to severe Alzheimer's Disease: Implications of recent pharmacologic studies	Paper includes 5 RCTs covering pharmacological treatment for AD symptoms in general.
Franciosi (2013)	A systematic review and meta-analysis of clinical variables used in Huntington disease research	Does not report relevant outcomes
Grossberg (2009)	Memantine therapy of behavioral symptoms in community-dwelling patients with moderate to severe Alzheimer's disease	Provides narrative overview of 3 trials. Ordered for further consideration
Guay (2007)	Newer antiepileptic drugs in the management of agitation/aggression in patients with dementia or developmental disability	Narrative synthesis. Includes 3 RCTs retrieved for further consideration
Heit (2009)	Estrogen therapy: an approach to treatment-resistant aggressive behaviors in patients with dementia	Narrative review
Jansen (2006)	Melatonin for the treatment of dementia	Sleep outcomes excluded from review. Reports general outcomes and does not specifically require BPSD as inclusion criterion. More relevant to wellbeing questions
Jonghe (2010)	Effectiveness of melatonin treatment on circadian rhythm disturbances in dementia. Are there implications for delirium? A systematic review	Duplicate reference
Kamboj (2015)	Use of sodium valproate in BPSD in dementia and review of literature	Narrative paper
Kavanagh (2011)	Galantamine and behavior in Alzheimer disease: analysis of four trials	Looks at incidence of NPI at mid/ endpoint only
Konovalov (2008)	Anticonvulsants for the treatment of behavioral and psychological symptoms of dementia: a literature review	Literature review. Considers 5 trials, evidence previously extracted
Lonergan (2009)	Valproate preparations for agitation in dementia	Previously reported in Xiao. Includes one additional RCT, Ordered for further consideration
Maher-Edwards (2015)	Two randomized controlled trials of SB742457 in mild-to-moderate Alzheimer's disease	Not specific to BPSD
Maidment (2008)	Efficacy of memantine on behavioral and psychological symptoms related to dementia: a systematic meta-analysis (Structured abstract)	Studies included in review did not specifically use BPSD

Short Title	Title	Reason for exclusion
		as a baseline inclusion criterion
McCleery (2015)	Pharmacotherapies for sleep disturbances in Alzheimer's disease	Duplicate entry
Narayana (2015)	Cochrane review of valproate preparations for agitation in dementia	Conference abstract of updated Cochrane review only No new evidence identified from published article (Lonergan 2009). Published paper previously identified for retrieval
Ozkan (2008)	Pharmacotherapy for inappropriate sexual behaviors in dementia: a systematic review of literature	Evidence based on case reports/ case series only
Porsteinsson (2006)	Divalproex sodium for the treatment of behavioural problems associated with dementia in the elderly	Narrative discussion paper of 4 trials. All trials previously considered for inclusion
Rea (2014)	Apathy in Alzheimer's disease: any effective treatment?	Narrative synthesis only.
Salami (2011)	Treatment of sleep disturbance in Alzheimer's dementia	Relevant RCTs already included
Scoralick (2017)	Mirtazapine does not improve sleep disorders in Alzheimer's disease: results from a double-blind, placebo-controlled pilot study	Not an RCT. The researchers did not get enough people randomised to the control arm of the trial and used historical controls (87%) to increase the size of this group.
Waldemar (2009)	The effects of donepezil on apathy in patients with Alzheimer's disease	Conference abstract
Xu (2015)	Melatonin for sleep disorders and cognition in dementia: a meta-analysis of randomized controlled trials	Relevant RCTs already included
Yeh (2012)	Mood stabilizers for the treatment of behavioral and psychological symptoms of dementia: an update review	Narrative synthesis only.
Zhang (2016)	Exogenous melatonin for sleep disorders in neurodegenerative diseases: a meta-analysis of randomized clinical trials	Relevant RCTs already included

### Randomised controlled trials

Short Title	Title	Reason for exclusion
Anconi-Israel (2005)	Effects of galantamine versus donepezil on sleep in patients with mild to moderate Alzheimer disease and their caregivers: a	Participants did not have a sleep disorder at baseline

Short Title	Title	Reason for exclusion
	double-blind, head-to-head, randomized pilot study	
Asayama (2003)	Double blind study of melatonin effects on the sleep-wake rhythm, cognitive and non-cognitive functions in Alzheimer type dementia	Participants did not have a sleep disorder at baseline
Banerjee (2013)	Study of the use of antidepressants for depression in dementia: the HTA -SADD trial - a multicentre, randomised, double-blind, placebo-controlled trial of the clinical effectiveness and cost-effectiveness of sertraline and mirtazapine (Structured abstract)	Abstract only
Burns (2011)	A double-blind placebo-controlled randomized trial of Melissa officinalis oil and donepezil for the treatment of agitation in Alzheimer's disease	Paper included as part of a published meta-analysis
Callegari (2016)	Agomelatine improves apathy in frontotemporal dementia	Participants did not have BPSD at baseline. Cross over trial only
Camargos (2014)	Trazodone improves sleep parameters in Alzheimer disease patients: A randomized, double-blind, and placebo-controlled study	Included as part of a SR
Chibnall (2005)	Effect of acetaminophen on behavior, well-being, and psychotropic medication use in nursing home residents with moderate-to-severe dementia	Paper not available
Claassen (2016)	Indirect comparison of tolerability of deutetrabenazine and tetrabenazine in the FIRST-HD and TETRA-HD trials	Abstract only
Cumbo (2005)	Differential effects of rivastigmine, galantamine and donepezil on behavioral and psychological symptoms in patients with Alzheimer's disease: 18-month, randomized, open-label trial	Looks at incidence of BPSD symptoms not treatment for BPSD at baseline
Cumbo (2011)	Improvement in behavioral and psychiatric symptoms (BPSD) in patients with moderate-to-severe Alzheimer's disease by current antidementia treatments	Conference abstract
Cummings (2006)	Behavioral effects of memantine in Alzheimer disease patients receiving donepezil treatment	Considers incidence of BPSD following completion of trial
Drye (2014)	Changes in QTc interval in the citalopram for agitation in Alzheimer's disease (CitAD) randomized trial	Not outcomes of interest- change in QTc interval only
Dube (2015)	NPI agitation/aggression domain scores demonstrate clinically meaningful changes in a phase 2 study of dextromethorphan/quinidine (DM/Q) in patients with agitation in Alzheimer's disease	Abstract only
Eggermont (2010)	Walking and night-time restlessness in mild-to-moderate dementia: a randomized controlled trial	Editorial letter
Elsen (2015)	Efficacy and safety of delta-9-tetrahydrocannabinol in behavioral disturbances in dementia: A randomized controlled trial	Abstract only

Short Title	Title	Reason for exclusion
Eucr (2014)	Brexpiprazole in the Treatment of Subjects with Agitation Associated with Dementia of the Alzheimer?s Type	Trial registry info
Finger (2015)	Oxytocin therapy for FTD	Abstract only
Florian (2016)	Efficacy and safety of ABT-126 in subjects with mild-to-moderate Alzheimer's disease on stable doses of acetylcholinesterase inhibitors: A randomized, double-blind, placebo-controlled study	Predominantly to consider efficacy for cognitive symptoms
Freund-Levi (2010)	Galantamine compared to risperidone in neuropsychiatric and behavioural symptoms in Alzheimer patients: A one-center clinical trial in 100 patients	Abstract only
Freund-Levi (2014)	Galantamine versus risperidone treatment of neuropsychiatric symptoms in patients with probable dementia: an open randomized trial	Population had MCI at baseline
Furuhashi (2009)	Comparative efficacy of risperidone versus Yi-Gan san on behavioural and psychological symptoms of dementia	Conference abstract
Gauthie (2010)	Benefits of combination treatment in Alzheimer's disease	Abstract only
Gehrman (2009)	Melatonin fails to improve sleep or agitation in double-blind randomized placebo-controlled trial of institutionalized patients with Alzheimer disease	Patients not selected for sleep disorders or agitation
Gelmont (2016)	Demonstration of safety of intravenous immunoglobulin in geriatric patients in a long-term, placebo-controlled study of Alzheimer's disease	Considers change in haemoglobin levels only- not outcomes of interest
Hamuro (2007)	Aripiprazole for treatment of behavioural psychological symptoms of dementia	Abstract only
Hannesdottir (2013)	A phase II safety and tolerability study to investigate the effect of AZD5213 on sleep in subjects with mild cognitive impairment and mild Alzheimer's disease	Abstract only
Henderson (2015)	Raloxifene for women with Alzheimer disease: A randomized controlled pilot trial	Focus of study is to consider effect on cognitive outcomes
Herrmann (2007)	A placebo-controlled trial of valproate for agitation and aggression in Alzheimer's disease	Study previously included in a published meta-analysis
Herrmann (2011)	Changes in nursing burden following memantine for agitation and aggression in long-term care residents with moderate to severe Alzheimer's disease: an open-label pilot study	Not an RCT. Open label not randomised
Herrmann (2013)	A randomized, double-blind, placebo-controlled trial of memantine in a behaviorally enriched sample of patients with moderate-to-severe Alzheimer's disease	Paper not available
Holmes (2007)	Risperidone and rivastigmine and agitated behaviour in severe Alzheimer's disease: a randomised double blind placebo controlled study	Editorial letter only

Short Title	Title	Reason for exclusion
Huertas (2007)	Antiaggressive effect of cyproterone versus haloperidol in Alzheimer's disease: a randomized double-blind pilot study	No relevant outcomes reported
Huey (2008)	Stimulant treatment of frontotemporal dementia in 8 patients	Editorial letter
Huntington (2006)	Tetrabenazine as antichorea therapy in Huntington disease: a randomized controlled trial	No BPSD at baseline
Husebo (2011)	Systematic pain management reduced agitation in nursing home residents with dementia	Abstract only
Husebo (2011)	Efficacy of treating pain to reduce behavioural disturbances in residents of nursing homes with dementia: cluster randomised clinical trial	Study has previously been considered in RQ23
Husebo (2014)	The response of agitated behavior to pain management in persons with dementia	Study as previously been considered in RQ23
JapicCTI (2014)	Aripiprazole for the Treatment of Patients With Agitation Associated With Dementia of the Alzheimer's Type // A Multicenter, Randomized, Double-blind, Placebo-controlled Trial to Evaluate the Efficacy, Safety, and Tolerability of Aripiprazole in the Treatment of Patients With Agitation Associated With Dementia of the Alzheimer's Type	Trial info only
Kim (2010)	Methylphenidate augmentation of cholinesterase inhibitors for the treatment of apathy associated with Alzheimer's dementia	Abstract only
Kim (2014)	Phase II crossover trial of varenicline in mild-to-moderate Alzheimer's disease	Study focus is to treat cognitive symptoms
Lanctot (2014)	Effect of methylphenidate on attention in apathetic AD patients in a randomized, placebo-controlled trial	Predictive outcomes only
Lee (2012)	A multicenter, randomized, placebocontrolled, double-blind clinicaltrial of escitalopram on its atrophydelaying effect in Alzheimer's disease	Abstract only
Lim (2007)	Amisulpride versus risperidone treatment for behavioral and psychological symptoms in patients with dementia of the Alzheimer type: A randomized, open, prospective study	Does not present extractable data
Maher-Edwards (2011)	SB-742457 and donepezil in Alzheimer disease: a randomized, placebo-controlled study	Predominantly to explore a treatment for memory deficits
Mahlberg (2007)	Actigraphy in agitated patients with dementia. Monitoring treatment outcomes	Non RCT
Markowitz (2003)	Sleep-related outcomes in persons with mild to moderate Alzheimer's disease in a placebo-controlled trial of galantamine	Patients lack identified sleep problem at baseline
Marshall (2006)	Tetrabenazine as antichorea therapy in Huntington disease: A randomized controlled trial	Open label, Looks at chorea treatment only
Medeiros (2007)	Effect of exogenous melatonin on sleep and motor dysfunction in Parkinson's disease. A randomized, double blind, placebo-controlled study.	Patients have Parkinson's disease (PD), but not PD dementia and lack

Short Title	Title	Reason for exclusion
		identified sleep problem at baseline
Meguro (2004)	Risperidone is effective for wandering and disturbed sleep/wake patterns in Alzheimer's disease	No relevant outcome data reported and patients lack sleep disorder at baseline.
Meinhold (2005)	Effect of divalproex sodium on behavioural and cognitive problems in elderly dementia	Retrospective analysis only
Moraes (2008)	Donepezil improves obstructive sleep apnea in Alzheimer's disease	Patients have sleep apnea
Mowla (2010)	Comparison of topiramate and risperidone for the treatment of behavioral disturbances of patients with Alzheimer disease: A double-blind, randomized clinical trial	Paper not available
Nanda (2009)	Placebo-controlled trial of quetiapine for sleep disturbance in dementia	Abstract only
Nathan (2013)	The safety, tolerability, pharmacokinetics and cognitive effects of GSK239512, a selective histamine H3 receptor antagonist in patients with mild to moderate Alzheimer's disease: a preliminary investigation	Does not look at treating non cognitive symptoms. Only presence of symptoms at endpoint
Nct (2010)	[Public title] Citalopram for the treatment of agitation in Alzheimer's disease CitAD; [Scientific title] A multi-center randomized placebo-controlled clinical trial study of citalopram for the treatment of agitation in Alzheimer's disease	Trial record info only
Nct (2013)	Mirtazapine for the treatment of sleep disorders in Alzheimer's disease: a randomized, double-blind, placebo-controlled study	Trial record info only
Nct (2013)	A Phase 3, 12-week, multicenter, randomized, double-blind, placebo-controlled trial to evaluate the efficacy, safety, and tolerability of flexible dosing of brexpiprazole (OPC-34712) in the treatment of subjects with agitation associated with dementia of the Alzheimer's type	Trial record info only
Ondo (2012)	Dextromethorphan/quinidine for chorea: An open-label assessment	Editorial letter
Ownby (2006)	Quetiapine and rivastigmine for agitation in Alzheimer's disease	Abstract only
Padala (2011)	Methylphenidate treats apathy in alzheimer's dementia: Results from a double blind placebo controlled trial	Paper not available
Padala (2011)	Randomized controlled trial for treatment of apathy in Alzheimer's disease	Conference abstract only
Paik (2010)	Methylphenidate augmentation of cholinesterase inhibitors for the treatment of apathy associated with Alzheimer's disease	Abstract only
Pelosi (2008)	Donepezil is no more effective than placebo for agitation in people with Alzheimer's disease	Abstract only
Peters (2016)	Citalopram for the Treatment of Agitation in Alzheimer Dementia: Genetic Influences	Not outcomes of interest. Looks at genotype distribution only



Short Title	Title	Reason for exclusion
Porsteinsson (2010)	Latrepidine is well-tolerated in patients with Alzheimer's disease receiving memantine or memantine plus donepezil	Conference abstract only
Porsteinsson (2014)	Changes in QTc interval in the citalopram for agitation in Alzheimer's disease (CitAD) randomized trial	Conference abstract
Reilmann (2014)	Efficacy, safety, and tolerability of AFQ056 for the treatment of chorea in patients with huntington's disease	Conference abstract
Reilmann (2015)	A randomized, placebo-controlled trial of AFQ056 for the treatment of chorea in Huntington's disease	Treatment for chorea only
Riemersma-van der Lek (2008)	Effect of bright light and melatonin on cognitive and non-cognitive function in elderly residents of group care facilities: a randomised controlled trial	Patients lack sleep problems at baseline
Rinne (2013)	Safety and efficacy of ORM-12741 on cognitive and behavioral symptoms in patients with Alzheimer's disease: A randomized, double-blind, proof-of-concept study	Conference abstract only
Rocha (2006)	An exploratory open-label trial of ziprasidone for the treatment of behavioral and psychological symptoms of dementia	Not an RCT
Rodda (2009)	Are cholinesterase inhibitors effective in the management of the behavioral and psychological symptoms of dementia in Alzheimer's disease? A systematic review of randomized, placebo-controlled trials of donepezil, rivastigmine and galantamine	Considers presence of BPSD only
Rosenberg (2015)	Change in agitation in Alzheimer's disease in the placebo arm of a nine-week controlled trial	Post hoc analysis. Looks at outcomes from placebo arm only
Rouru (2013)	Safety and efficacy of ORM-12741 on cognitive and behavioral symptoms in patients with Alzheimer's disease: A randomized, double-blind, placebo-controlled, parallel group, multicenter, proof-of-concept 12 week study	Abstract only
Satoh (2013)	Rivastigmine patch and massage for Alzheimer's disease patients	Abstract only
Schneider (2016)	Heterogeneity of treatment response to citalopram for patients with Alzheimer's disease with aggression or agitation: The CitAD randomized clinical trial	Looks at predictors of aggression/ agitation not treatment for symptoms
Scoralick (2016)	Mirtazapine does not improve sleep disorders in Alzheimer's disease: Results from a double-blind, placebo-controlled pilot study	Not a randomised controlled trial
Seritan (2014)	Memantine for fragile X-associated tremor/ataxia syndrome: a randomized, double-blind, placebo-controlled trial	Not to treat BPSD. Not relevant outcomes
Shushter (2006)	Depakote ER Vs Seroquel for Agitated Behaviors in Nursing Home Care Unit Patients With Dementia	Trial registry info only

Short Title	Title	Reason for exclusion
Sommer (2009)	Effect of oxcarbazepine in the treatment of agitation and aggression in severe dementia	Trial registry info only
Suh (2007)	Comparative efficacy of risperidone versus haloperidol on behavioural and psychological symptoms of dementia	Editorial letter
Sun (2007)	Efficacy of multivitamin supplementation containing vitamins B6 and B12 and folic acid as adjunctive treatment with a cholinesterase inhibitor in Alzheimer's disease: a 26-week, randomized, double-blind, placebo-controlled study in Taiwanese patients	Looks at effects on cognition
Tariot (2005)	Divalproex sodium in nursing home residents with possible or probable Alzheimer Disease complicated by agitation: a randomized, controlled trial	Paper included as part of an include meta-analysis
Tolosa (2014)	A phase 2 trial of the GSK-3 inhibitor tideglusib in progressive supranuclear palsy	Does not treat BPSD
Troussiere (2014)	Treatment of sleep apnoea syndrome decreases cognitive decline in patients with Alzheimer's disease	Not an RCT
Utumi (2011)	Effect of Rikkunshi-to on appetite loss found in elderly dementia patients: a preliminary study	Not an RCT
Waldemar (2011)	Effect of donepezil on emergence of apathy in mild to moderate Alzheimer's disease	Looks at emergence of apathy not treatment of symptoms
Walther (2006)	Delta-9-tetrahydrocannabinol for nighttime agitation in severe dementia	excluded as measures nocturnal agitation, not sleep
Weintraub (2015)	Time to Response to Citalopram Treatment for Agitation in Alzheimer Disease	Not outcomes of interest- time to event only
Wilkinson (2014)	Safety and efficacy of idalopirdine, a 5-HT6 receptor antagonist, in patients with moderate Alzheimer's disease (LADDER): a randomised, double-blind, placebo-controlled phase 2 trial	Considers effects on cognition predominantly
Winblad (2012)	Safety, tolerability, and antibody response of active Abeta immunotherapy with CAD106 in patients with Alzheimer's disease: Randomised, double-blind, placebo-controlled, first-in-human study	Not outcomes of relevance
Yang (2013)	Effects of memantine on language-related potentials in patients with fragile X-associated tremor/ataxia syndrome (FXTAS)	Poster abstract only
Yang (2014)	Memantine effects on verbal memory in fragile X-associated tremor/ataxia syndrome (FXTAS): a double-blind brain potential study	Looks at change in memory outcomes
Yang (2014)	Memantine effects on attention in FXTAS: A double-blind ERP study	Predominantly to consider effects on memory
Yoon (2011)	Effect of combination therapy with memantine and rivastigmine patch on agitation behavior in patients with mild to moderate Alzheimer's	Abstract only

Short Title	Title	Reason for exclusion
	disease: A 24-week prospective, multicenter, randomized, open-label clinical trial	
Yoon (2016)	Effects on agitation with rivastigmine patch monotherapy and combination therapy with memantine in mild to moderate Alzheimer's disease: A multicenter 24-week prospective randomized open-label study (the Korean EXelon Patch and combination with mEmantine Comparative Trial study)*	Population did not have BPSD at baseline
Zhang (2015)	The Effect of Memantine on Cognitive Function and Behavioral and Psychological Symptoms in Mild-to-Moderate Alzheimer's Disease Patients	Considers occurrence of BPSD not treatment for symptoms
Zhu (2013)	Effectiveness and safety of generic memantine hydrochloride manufactured in China in the treatment of moderate to severe Alzheimer's disease: a multicenter, double-blind randomized controlled trial	Considers effects on cognitive outcomes

### F.10.1.2 Non-pharmacological interventions

#### Systematic reviews

Short Title	Title	Reason for exclusion
Ayalon (2006)	Effectiveness of nonpharmacological interventions for the management of neuropsychiatric symptoms in patients with dementia: a systematic review (Structured abstract)	Narrative synthesis, 3 RCTs included and identified for further consideration
Bernabei (2013)	Animal-assisted interventions for elderly patients affected by dementia or psychiatric disorders: A review	Narrative summary. No RCTs included in review
Blythe (2009)	The efficacy of nurse implemented non-pharmacological strategies for the symptom management of agitation in persons with advanced dementia living in residential aged care facilities: a systematic review	Article has not been peer reviewed
Brett (2016)	Effects of Physical Exercise on Health and Well-Being of Individuals Living With a Dementia in Nursing Homes: A Systematic Review	Included population does not have a BPSD at baseline
Brodaty (2012)	Nonpharmacological management of apathy in dementia: a systematic review	Narrative synthesis only. Relevant papers previously identified for consideration
Brodaty (2012)	Meta-analysis of nonpharmacological interventions for neuropsychiatric symptoms of dementia.[Erratum appears in Am J Psychiatry. 2013 Feb 1;170(2):227]	Includes various interventions. Relevant full texts ordered for further consideration
Brodaty (2013)	"Meta-analysis of nonpharmacological interventions for neuropsychiatric symptoms of dementia": Erratum	Full text paper received. Erratum does not provide any notable changes to results etc. Not relevant

Short Title	Title	Reason for exclusion
Brown (2013)	A critique of the evidence base for non-pharmacological sleep interventions for persons with dementia	Relevant references extracted for use
Buchanan (2007)	Non-pharmacological interventions for aggression in persons with dementia: A review of the literature	Narrative review paper only
Burckhardt (2016)	Omega-3 fatty acids for the treatment of dementia	Does not specifically focus on non-cognitive symptoms.
Cai (2015)	Effect of therapeutic touch on agitated behavior in elderly patients with dementia: A review	Narrative overview only
Carswell (2009)	A review of the role of assistive technology for people with dementia in the hours of darkness	Not specific to people with BPSD (non-cognitive symptoms). May be more relevant to functional questions
Christofolletti (2007)	Effects of motor intervention in elderly patients with dementia: An analysis of randomized controlled trials	Not specific to non-cognitive symptoms. All studies pre-2006. Relevant studies previously considered
Craig (2014)	Music therapy to reduce agitation in dementia	Relevant papers already identified
Dos (2006)	The use of herbal medicine in Alzheimer's disease-a systematic review	Narrative synthesis. Includes 4 trials. Relevant studies identified
Filan (2006)	Animal-assisted therapy for dementia: a review of the literature	All studies pre 2006. No RCTs included in review
Fingeld-Connett (2009)	Management of aggression among demented or brain-injured patients	Narrative synthesis only
Forrester (2014)	Aromatherapy for dementia	7 papers included but analysis only available on 2 papers. Both papers previously included in Kong (2009)
Fung (2012)	A systematic review of the use of aromatherapy in treatment of behavioral problems in dementia	Narrative synthesis. Most papers previously considered. Identified one more eligible RCT for further consideration
Konno (2013)	The best evidence for assisted bathing of older people with dementia: A comprehensive systematic review	Thesis only
Lane-Brown (2009)	Apathy after acquired brain impairment: A systematic review of non-pharmacological interventions	All relevant papers previously identified for inclusion

Short Title	Title	Reason for exclusion
Ledger (2007)	An investigation of long-term effects of group music therapy on agitation levels of people with Alzheimer's disease	Not a RCT Reports on effects from a non-randomised trial only. Study type not relevant
Levin (2011)	Psychotic disorders in Parkinson's disease and dementia with Lewy bodies	Article not in English
Livingston (2014)	A systematic review of the clinical effectiveness and cost-effectiveness of sensory, psychological and behavioural interventions for managing agitation in older adults with dementia	Relevant studies previously identified for inclusion
Livingston (2014)	Non-pharmacological interventions for agitation in dementia: systematic review of randomised controlled trials	Data is not pooled. Individual references checked for consideration
Livingston (2015)	Review: In patients with dementia who live in care homes, some nondrug interventions reduce agitation	Abstract only relates to full text Livingston 2014. Paper already ordered for consideration
Luk (2011)	The effect of horticultural activities on agitation in nursing home residents with dementia	Poster abstract only
McGonigal-Kenny (2006)	Nonpharmacologic management of agitated behaviors in persons with Alzheimer disease and other chronic dementing conditions	evidence based guideline only
Mestre (2009)	Therapeutic interventions for symptomatic treatment in Huntington's disease	Does not report relevant outcomes
Millan-Calenti (2016)	Optimal nonpharmacological management of agitation in Alzheimer's disease: challenges and solutions	Narrative synthesis only.
Mitchell (2016)	Therapeutic use of dolls for people living with dementia: A critical review of the literature	Article is not peer reviewed. Does not report outcomes of relevance
Moyle (2013)	The effect of massage on agitated behaviours in older people with dementia: a literature review	One study included. No RCTs identified for inclusion
Nguyen (2008)	The use of aromatherapy to treat behavioural problems in dementia	Narrative synthesis only.
Pieper (2013)	Interventions targeting pain or behaviour in dementia: a systematic review	Narrative synthesis. Does not report relevant comparators
Reuther (2012)	Case conferences as interventions dealing with the challenging behavior of people with dementia in nursing homes: A systematic review	Contains 2 relevant RCTs ordered for consideration.
Reuther (2014)	Effect evaluation of two types of dementia-specific case conferences in German nursing homes (FallDem) using a stepped-wedge design: study protocol for a randomized controlled trial	Protocol only
Salami (2011)	Treatment of sleep disturbance in Alzheimer's dementia	Relevant RCTs already included

Short Title	Title	Reason for exclusion
Seitz (2012)	Efficacy and feasibility of nonpharmacological interventions for neuropsychiatric symptoms of dementia in long term care: a systematic review	Narrative synthesis only. Relevant refs checked for further consideration
Shinagawa (2015)	Non-pharmacological management for patients with frontotemporal dementia: a systematic review	Paper not available
Spira (2006)	Behavioral interventions for agitation in older adults with dementia: an evaluative review	Contains one relevant RCT previously identified for consideration
Staedtler (2015)	Nonpharmacological therapy for the management of neuropsychiatric symptoms of Alzheimer's disease: linking evidence to practice	Narrative summary.
Strom (2016)	Sensory stimulation for persons with dementia: A review of the literature	Narrative synthesis.
Sung (2005)	Use of preferred music to decrease agitated behaviours in older people with dementia: A review of the literature	Narrative review of literature. NO RCTs included
Tavares (2014)	Impact of physical exercise on quality of life of older adults with depression or Alzheimer's disease: a systematic review	Contains 2 RCTs for people with AD. Ordered for further consideration
Testad (2014)	"The value of personalized psychosocial interventions to address behavioral and psychological symptoms in people with dementia living in care home settings: A systematic review": Corrigendum	Provides a correction to full paper only
Testad (2014)	The value of personalized psychosocial interventions to address behavioral and psychological symptoms in people with dementia living in care home settings: a systematic review	Ordered 2 potentially relevant RCTs. Other relevant papers previously identified
Theleritis (2014)	A review of neuroimaging findings of apathy in Alzheimer's disease	Does not provide relevant outcomes
Tucker (2010)	Management of inappropriate sexual behaviors in dementia: a literature review	Descriptive paper only
van der Ploeg (2014)	Methodological challenges in studies of bright light therapy to treat sleep disorders in nursing home residents with dementia	Relevant studies extracted or already included
Van Laar (2011)	Treatment of Parkinson's disease dementia	Conference Abstract
van Maanen (2016)	The effects of light therapy on sleep problems: A systematic review and meta-analysis	All relevant studies already included
Volicer (2015)	Palliative care and quality of life for people with dementia: medical and psychosocial interventions	Narrative review paper
Wall (2010)	The effects of music therapy for older people with dementia	Narrative review paper only
Warburton (2013)	Non-pharmacological treatment of sleep disturbance in elderly people with dementia: A review of the literature	Conference abstract
Whear (2014)	What is the impact of using outdoor spaces such as gardens on the physical and mental well-being	Quantitative/ qualitative review. Contains one

Short Title	Title	Reason for exclusion
	of those with dementia? A systematic review of quantitative and qualitative evidence	relevant RCT previously identified for consideration
Whear (2014)	Effectiveness of mealtime interventions on behavior symptoms of people with dementia living in care homes: a systematic review	Narrative synthesis. No RCTs included in review
Zetteler (2008)	Effectiveness of simulated presence therapy for individuals with dementia: a systematic review and meta-analysis	Only reports one RCT, Paper ordered for further consideration
Zimmerman (2013)	Systematic review: Effective characteristics of nursing homes and other residential long-term care settings for people with dementia	Contained two relevant RCTs - papers retrieved for inclusion

### Randomised controlled trials

Short Title	Title	Reason for exclusion
Alessi (1999)	A randomized trial of a combined physical activity and environmental intervention in nursing home residents: do sleep and agitation improve?	Patients lack sleep problems at baseline
Baillon (2006)	A study of the long-term and short-term effects of Snoezelen and Reminiscence therapy on patients suffering from dementia who have associated agitated behavior problems	Trial registry info only
Bakker (2011)	Integrative psychotherapeutic nursing home program to reduce multiple psychiatric symptoms of cognitively impaired patients and caregiver burden: randomized controlled trial	Population had MCI
Bakker (2013)	Benefit of an integrative psychotherapeutic nursing home program to reduce multiple psychiatric symptoms of psychogeriatric patients and caregiver burden after six months of follow-up: A re-analysis of a randomized controlled trial	Population had MCI
Barrick (2010)	Impact of ambient bright light on agitation in dementia	Observational design - non RCT
Bromundt (2016)	The effects of a new dawn-dusk simulator on circadian restactivity cycles, sleep, mood and well-being in dementia patients-a pilot study	Abstract only
Buettner (2002)	AD-venture program: therapeutic biking for the treatment of depression in long-term care residents with dementia	Not possible to calculate measures of dispersion from results presented
Chenoweth (2015)	PerCEN trial participant perspectives on the implementation and outcomes of person-centered dementia care and environments	Provides no relevant extractable outcomes
Choi (2009)	Effects of group music intervention on behavioral and psychological symptoms in patients with dementia: a pilot-controlled trial	Non-random allocation
Chou (2011)	Effectiveness of group music intervention against agitated behavior in elderly persons with dementia	Abstract only

Short Title	Title	Reason for exclusion
Davison (2007)	An individualized psychosocial approach for "treatment resistant" behavioral symptoms of dementia among aged care residents	Not an RCT
Dowling (2008)	Melatonin and bright-light treatment for rest-activity disruption in institutionalized patients with Alzheimer's disease	Included in a systematic review/ meta-analysis
Essence (2008)	A double blind, placebo controlled trial of aromatherapy using melissa/lavender compared to aricept for the treatment of significant agitation in people with severe dementia	Trial registry data only
Farina (2006)	Evaluating two group programmes of cognitive training in mild-to-moderate AD: is there any difference between a 'global' stimulation and a 'cognitive-specific' one?	Not an RCT - data presented pre-test/ post-test
Farokhnia (2014)	Comparing the efficacy and safety of Crocus sativus L. with memantine in patients with moderate to severe Alzheimer's disease: a double-blind randomized clinical trial	cognitive outcomes predominantly
Fleiner (2015)	Effects of a day-structuring exercise programme on exacerbated BPSD-the exercise-carrousel-RCT	Abstract only
Friedman (2011)	Differential effects of morning light treatment combined with sleep hygiene therapy on memory-impaired individuals and their caregivers	Conference abstract only
Fu (2013)	A randomised controlled trial of the use of aromatherapy and hand massage to reduce disruptive behaviour in people with dementia	Data included in a meta-analysis
Gitlin (2013)	A non-pharmacologic approach to address challenging behaviors of Veterans with dementia: description of the tailored activity program-VA randomized trial	Protocol only
Gitlin (2016)	Impact of caregiver readiness on outcomes of a nonpharmacological intervention to address behavioral symptoms in persons with dementia	Not outcomes of interest
Hanson (2013)	Lavender essential oil improves sleep in residents of a memory care assisted living facility	Abstract only
Holmes (2006)	Keep music live: music and the alleviation of apathy in dementia subjects	Does not provide extractable data
Huang (2015)	A competency-based training program improves caregivers' competence and dementia patients' behavioral problem	Study does not contain any relevant data
Hughes (2014)	Improving impulsivity in bvFTD: A pharmacological magnetoencephalography study of response inhibition	Conference abstract
Ihl (2011)	Efficacy and safety of a once-daily formulation of Ginkgo biloba extract EGb 761 in dementia with neuropsychiatric features: a randomized controlled trial	Paper previously included in meta-analysis
Isrctn (2014)	The MARQUE project: Managing Agitation and Raising Quality of Life to improve agitation for people with dementia in care homes	Protocol only



Short Title	Title	Reason for exclusion
Kovach (2006)	Effects of the Serial Trial Intervention on Discomfort and Behavior of Nursing Home Residents With Dementia	No relevant outcome measures reported
Kovach (2012)	Comparison of the effectiveness of two protocols for treating nursing home residents with advanced dementia	Not comparators of interest
Kuhn (2015)	Deep brain stimulation of the nucleus basalis of Meynert in Alzheimer's dementia	Reports cognitive outcomes
Lee (2008)	Effects of indoor gardening on sleep, agitation, and cognition in dementia patients--a pilot study	Pre- and post-intervention study design
Leone (2011)	Tbd	Conference abstract only
Lin (2007)	Efficacy of aromatherapy ( <i>Lavandula angustifolia</i> ) as an intervention for agitated behaviours in Chinese older persons with dementia: a cross-over randomized trial	Full text not available in English.
Liu-Ambrose (2015)	Vascular cognitive impairment and aerobic exercise: A 6-month randomized controlled trial	Abstract only
Lyne (2006)	Analysis of a care planning intervention for reducing depression in older people in residential care	Not an RCT
Martin (2007)	A multicomponent non-pharmacological intervention improves rhythms among nursing home residents with disrupted sleep/wake patterns	Data not in useful format
Martin (2012)	A cross-over study to investigate the use of natural landscape photographs with particular content and pattern to reduce agitation in nursing home residents with Alzheimer's dementia	Abstract only
Moyle (2011)	Exploring the effect of foot massage on agitated behaviours in older people with dementia: a pilot study	Not a randomised controlled trial
Nagata (2012)	Effects of yokukansan on behavioral and psychological symptoms of vascular dementia: an open-label trial	Pre-test/ post-test. Not an RCT
Narevic (2011)	The effects of enhanced program review and staff training on the management of aggression among clients in a long-term neurobehavioral rehabilitation program	Not an RCT
Narme (2013)	Efficacy of musical interventions in moderate to severe dementia: Evidence from a randomized controlled trial	Conference abstract
Nct (2013)	Repetitive transcranial magnetic stimulation for apathy treatment in Alzheimer's disease: a randomised, double-blind, controlled study	Trial registry info only
O'Connor (2013)	A randomized, controlled cross-over trial of dermally-applied lavender ( <i>Lavandula angustifolia</i> ) oil as a treatment of agitated behaviour in dementia	Evidence previously included in a meta-analysis

Short Title	Title	Reason for exclusion
Ouslander (2006)	A nonpharmacological intervention to improve sleep in nursing home patients: results of a controlled clinical trial	Patients lack sleep problems at baseline
Quinn (2014)	Self-management in early-stage dementia: a pilot randomised controlled trial of the efficacy and cost-effectiveness of a self-management group intervention (the SMART study)	Protocol only
Rapp (2013)	Agitation in nursing home residents with dementia (VIDEANT trial): effects of a cluster-randomized, controlled, guideline implementation trial	Trial data reported in a meta-analysis
Reisberg (2015)	Effects of a comprehensive, individualized person-centered management program on persons with moderately severe Alzheimer's disease: A randomized controlled trial-comprehensive study findings	Conference abstract
Salva (2009)	Health and nutritional promotion program for patients with dementia (NutriAlz Study): design and baseline data	Provides baseline data only
Sanchez (2016)	Multisensory stimulation as an intervention strategy for elderly patients with severe dementia: A pilot randomized controlled trial	Does not provide extractable data
Sandvik (2014)	Impact of a stepwise protocol for treating pain on pain intensity in nursing home patients with dementia: a cluster randomized trial	Not outcomes of relevance
Scherder (2006)	Effects of high-frequency cranial electrostimulation on the rest-activity rhythm and salivary cortisol in Alzheimer's disease: a pilot study	Does not report relevant outcomes
Song (2009)	[Effects of a robot pet-assisted program for elderly people with dementia]	Full text article not in English
Suemoto (2014)	Effects of a non-focal plasticity protocol on apathy in moderate Alzheimer's disease: a randomized, double-blind, sham-controlled trial	Not a relevant intervention
Sumiyoshi (2011)	Yokukansan treatment in chronic renal failure patients with dementia receiving hemodialysis: An open label study	Abstract only
Suzuki (2010)	Physical and psychological effects of 6-week tactile massage on elderly patients with severe dementia	Matched design -non RCT
Telenius (2015)	Long-term effects of a 12 weeks high-intensity functional exercise program on physical function and mental health in nursing home residents with dementia: a single blinded randomized controlled trial	Population did not have a BPSD at baseline
Tian (2011)	Efficacy and safety of an herbal therapy in patients with early stage of Alzheimer's disease: A 24-week randomized phase III trial	Conference abstract
Treusch (2015)	Apathy in nursing home residents with dementia: results from a cluster-randomized controlled trial	Post hoc analysis of VIDEANT trial. Original outcomes reported in Rapp 2013

Short Title	Title	Reason for exclusion
Tuet (2006)	A preliminary study of the effects of music therapy on agitation in Chinese patients with dementia	Not a randomised controlled trial
Ujkaj (2012)	Safety and efficacy of electroconvulsive therapy for the treatment of agitation and aggression in patients with dementia	Not an RCT
Valenti (2011)	Robotherapy in dementia	Conference abstract
Valenti (2013)	Robotherapy in dementia: Pilot study	Abstract only
Valenti (2015)	Social robots in advanced dementia	Paper is relevant to RQ30
van de Ven (2012)	Improving person-centred care in nursing homes through dementia-care mapping: design of a cluster-randomised controlled trial	Protocol only
van de Ven (2013)	Effects of Dementia-Care Mapping on Residents and Staff of Care Homes: A Pragmatic Cluster-Randomised Controlled Trial	Paper is more relevant to RQ5
van der Ploeg (2015)	Personalized one-to-one intervention in agitated individuals with dementia: responders versus non-responders	Not an RCT. Does not report relevant outcomes
Van Der Ploeg (2016)	Internet video chat (Skype) family conversations as a treatment of agitation in nursing home residents with dementia	Abstract only
van Someren (1998)	Transcutaneous electrical nerve stimulation (TENS) improves circadian rhythm disturbances in Alzheimer disease	Not a relevant intervention
Ven (2013)	Effects of dementia-care mapping on residents and staff of care homes: a pragmatic cluster-randomised controlled trial	Article is more relevant for consideration in RQ5
Venturelli (2016)	Effectiveness of Exercise- and Cognitive-Based Treatments on Salivary Cortisol Levels and Sundowning Syndrome Symptoms in Patients with Alzheimer's Disease	Not an RCT
Vink (2013)	The effect of music therapy compared with general recreational activities in reducing agitation in people with dementia: a randomised controlled trial	Paper does not report extractable data
Wang (2006)	Pilot study to test the effectiveness of Healing Touch on agitation in people with dementia	Non-randomised pilot study
Woods (2009)	The effect of therapeutic touch on behavioral symptoms and cortisol in persons with dementia	Paper does not provide relevant outcomes
Yang (2007)	The efficacy of acupressure for decreasing agitated behaviour in dementia: a pilot study	Paper is not a randomised controlled trial
Yoshiyama (2015)	The Effect of Aroma Hand Massage Therapy for People with Dementia	Does not provide extractable data
Yu (2013)	How aerobic exercise affects cognition: A pilot study	Conference abstract
Zhang (2015)	Cognitive improvement during treatment for mild Alzheimer's disease with a Chinese herbal formula: A randomized controlled trial	Considers cognitive outcomes

Dementia  
Appendix F: Excluded studies

Short Title	Title	Reason for exclusion
Zuidema (2013)	The effect of music therapy compared with general recreational activities in reducing neuropsychiatric symptoms in people with dementia: A randomised controlled trial	Abstract only

## F.11 Supporting informal carers

### F.11.1 Supporting informal carers of people living with dementia

- How effective are carers' assessments in identifying the needs of informal carers of people living with dementia?
- What interventions/services are most effective for supporting the wellbeing of informal carers of people living with dementia?

#### F.11.1.1 Interventions/services for informal carers

##### Studies from previous guideline (CG42)

Short Title	Title	Reason for exclusion
Akkerman (2004)	Reducing anxiety in Alzheimer's disease family caregivers: the effectiveness of a nine-week cognitive-behavioral intervention	Paper already included as part of an included systematic review
Archbold (1995)	The PREP system of nursing interventions: a pilot test with families caring for older members. Preparedness (PR), enrichment (E) and predictability (P).	Not a study in a population of carers for people living with dementia
Baldwin (1989)	Family caregiver stress: clinical assessment and management.	Not a study in a population of carers for people living with dementia
Beauchamp (2005)	Worksite-based internet multimedia program for family caregivers of persons with dementia	Paper already included as part of an included systematic review
Bourgeois (2002)	Skills training for spouses of patients with Alzheimer's disease: outcomes of an intervention study	Paper already included as part of an included systematic review
Brennan (1995)	The effects of a special computer network on caregivers of persons with Alzheimer's disease.	Paper already included as part of an included systematic review
Brodaty (1989)	Effect of a training programme to reduce stress in carers of patients with dementia.	No relevant outcome measures reported in an extractable way
Brodaty (1994)	Quasi-experimental evaluation of an educational model for dementia caregivers	Not a randomised controlled trial
Brodaty (1997)	The Prince Harry Hospital dementia caregivers' training programme	Intervention primarily aimed at the person living with dementia
Brodaty (2003)	Meta-analysis of psychosocial interventions for caregivers of people with dementia	Systematic review where a more recent systematic review has been published in the same area
Buckwalter (1999)	A nursing intervention to decrease depression in family caregivers of persons with dementia.	Paper already included as part of an included systematic review
Burdz (1988)	Effect of respite care on dementia and non-dementia patients and their caregivers.	Not a study in a population of carers for people living with dementia
Burgener (1998)	Effective caregiving approaches for patients with Alzheimer's disease.	No relevant outcome measures reported in an extractable way

Short Title	Title	Reason for exclusion
Burns (2003)	Primary care interventions for dementia caregivers: 2-year outcomes from the REACH study.	Paper already included as part of an included systematic review
Carpentier (2005)	Support network transformations in the first stages of the caregiver's career.	Not a randomised controlled trial
Chang (1999)	Cognitive-behavioral intervention for homebound caregivers of persons with dementia.	Paper already included as part of an included systematic review
Chiverton (1989)	Education to assist spouses in coping with Alzheimer's disease. A controlled trial.	Not a randomised controlled trial
Chu (2000)	The use of clinical case management for early stage Alzheimer's patients and their families	Paper already included as part of an included systematic review
Coon (2003)	Anger and depression management: psychoeducational skill training interventions for women caregivers of a relative with dementia	Paper already included as part of an included systematic review
Davis (2004)	A comparison of in-home and telephone-based skills training interventions with caregivers of persons with dementia	Paper already included as part of an included systematic review
Davis (2004)	Biopsychological markers of distress in informal caregivers	Not a randomised controlled trial
Dellasega (1990)	Coping with caregiving. Stress management for caregivers of the elderly.	Not a randomised controlled trial
Demers (1996)	Effects of support groups on family caregivers to the frail elderly	Not a study in a population of carers for people living with dementia
Done (2001)	Training in communication skills for informal carers of people suffering from dementia: a cluster randomized clinical trial comparing a therapist led workshop and a booklet.	Paper already included as part of an included systematic review
Drummond (1991)	Economic evaluation of a support program for caregivers of demented elderly.	Economic evaluation
Ducharme (2005)	Efficacy of an intervention programme for caregivers of a relative with dementia living in a long-term care setting	No relevant outcome measures reported in an extractable way
Ducharme (2005)	Follow-up of an intervention program for caregivers of a relative with dementia living in a long-term care setting: Are there any persistent and delayed effects?	No relevant outcome measures reported in an extractable way
Dziegielewski (1991)	Social group work with the family members of elderly nursing home residents with dementia: a controlled evaluation	No relevant outcome measures reported in an extractable way
Eisdorfer (2003)	The effect of a family therapy and technology-based intervention on caregiver depression	Paper already included as part of an included systematic review

Short Title	Title	Reason for exclusion
Fung (2002)	The effectiveness of a mutual support group for family caregivers of a relative with dementia	Paper already included as part of an included systematic review
Gallagher-Thompson (2000)	Impact of psychoeducational interventions on distressed family caregivers	Not a study in a population of carers for people living with dementia
Gallagher-Thompson (2001)	A psychoeducational intervention to reduce distress in hispanic family caregivers: results of a pilot study	Not a randomised controlled trial
Gallagher-Thompson (2003)	Change in indices of distress among Latino and Anglo female caregivers of elderly relatives with dementia: site-specific results from the REACH national collaborative study.	Secondary analysis of an included RCT which does not provide additional relevant data
Garand (2002)	A pilot study of immune and mood outcomes of a community-based intervention for dementia caregivers: the PLST intervention	Paper already included as part of an included systematic review
Gendron (1986)	Skills training with supporters of the demented.	Not a randomised controlled trial
Gendron (1996)	Cognitive-behavioural group interventions for spousal caregivers	Paper already included as part of an included systematic review
Gerdner (2002)	Impact of a psychoeducational intervention on caregiver response to behavioral problems.	No relevant outcome measures reported in an extractable way
Gitlin (2001)	A randomized, controlled trial of a home environmental intervention: effect on efficacy and upset in caregivers and on daily function of persons with dementia.	Paper already included as part of an included systematic review
Gitlin (2003)	Effects of the home environmental skill-building program on the caregiver-care recipient dyad: 6-month outcomes from the Philadelphia REACH initiative	Paper already included as part of an included systematic review
Gitlin (2003)	Effect of multicomponent interventions on caregiver burden and depression: the REACH multisite initiative at 6-month follow-up.	Paper already included as part of an included systematic review
Gonyea (1991)	The role of Alzheimer's disease support groups in families' utilization of community services	Not a randomised controlled trial
Goodman (1990)	A model telephone information and support program for caregivers of Alzheimer's patients.	Paper already included as part of an included systematic review
Greene (1989)	The effect of a support and education program on stress and burden among family caregivers to frail elderly persons.	Not a study in a population of carers for people living with dementia
Haley (1987)	Experimental evaluation of the effectiveness of group intervention for dementia caregivers.	Paper already included as part of an included systematic review
Hebert (1994)	Efficacy of a support group programme for caregivers of demented patients in the community: a randomized controlled trial	Paper already included as part of an included systematic review

Short Title	Title	Reason for exclusion
Hebert (1995)	The impact of a support group programme for care-givers on the institutionalisation of demented patients.	Secondary analysis of an included RCT which does not provide additional relevant data
Hebert (2003)	Efficacy of a psychoeducative group program for caregivers of demented persons living at home: a randomized controlled trial.	Paper already included as part of an included systematic review
Hepburn (2001)	Dementia family caregiver training: affecting beliefs about caregiving and caregiver outcomes.	Paper already included as part of an included systematic review
Hinchliffe (1995)	Behavioural complications of dementia - can they be treated?	Intervention primarily aimed at the person living with dementia
Huang (2003)	A pilot study on a home-based caregiver training program for improving caregiver self-efficacy and decreasing the behavioral problems of elders with dementia in Taiwan.	Not a randomised controlled trial
Hughes (1990)	A randomized trial of Veterans Administration home care for severely disabled veterans.	Not a study in a population of carers for people living with dementia
Jablonski (2005)	Care intervention for older adults with Alzheimer's disease and related dementias: effect of family involvement on cognitive and functional outcomes in nursing homes.	No relevant outcome measures reported in an extractable way
Jarrott (2005)	Instrumental help and caregivers' distress: effects of change in informal and formal help.	Not a randomised controlled trial
Kaasalainen (2000)	Impact of the Caring for Aging Relatives Group program: an evaluation.	Not a study in a population of carers for people living with dementia
Kahan (1985)	Decreasing the burden in families caring for a relative with a dementing illness. A controlled study.	Not a randomised controlled trial
Kosloski (1993)	The effects of respite on caregivers of Alzheimer's patients: one-year evaluation of the Michigan model respite programs	Not a randomised controlled trial
Labrecque (1992)	Long-term effectiveness of a group program for caregivers of frail elderly veterans.	Not a study in a population of carers for people living with dementia
Lavoie (2005)	Understanding the outcomes of a psycho-educational group intervention for caregivers of persons with dementia living at home: a process evaluation.	Not a randomised controlled trial
Lawton (1989)	A controlled study of respite service for caregivers of Alzheimer's patients.	Paper already included as part of an included systematic review
Lorensini (1997)	The health, psychological and social consequences of caring for a person with dementia	Not a randomised controlled trial
Lovett (1988)	Psychoeducational interventions for family caregivers: preliminary efficacy data	Not a randomised controlled trial
Mahoney (2003)	Effects of an automated telephone support system on caregiver burden and	Paper already included as part of an included systematic review



Short Title	Title	Reason for exclusion
	anxiety: findings from the REACH for TLC intervention study.	
Marks (1987)	The family dimension in long term care: an assessment of stress and intervention.	Not a study in a population of carers for people living with dementia
Marriott (2000)	Effectiveness of cognitive-behavioural family intervention in reducing the burden of care in carers of patients with Alzheimer's disease.	Paper already included as part of an included systematic review
Martin-Cook (2003)	Caregiver attribution and resentment in dementia care.	Paper already included as part of an included systematic review
Martin-Cook (2005)	A randomized, controlled study of an Alzheimer's caregiver skills training program.	Paper already included as part of an included systematic review
McCallion (1999)	An evaluation of a family visit education program.	No relevant outcome measures reported in an extractable way
McCurry (1998)	Successful behavioral treatment for reported sleep problems in elderly caregivers of dementia patients: a controlled study.	Paper already included as part of an included systematic review
Milne (1993)	Evaluation of a carer support scheme for elderly people: the importance of 'coping'	Not a study in a population of carers for people living with dementia
Mittelman (1995)	A comprehensive support program: effect on depression in spouse-caregivers of AD patients.	Paper already included as part of an included systematic review
Mittelman (1996)	A family intervention to delay nursing home placement of patients with Alzheimer disease. A randomized controlled trial.	Secondary analysis of an included RCT which does not provide additional relevant data
Mittelman (2004)	Effects of a caregiver intervention on negative caregiver appraisals of behavior problems in patients with Alzheimer's disease: results of a randomized trial.	Paper already included as part of an included systematic review
Mittelman (2004)	Sustained benefit of supportive intervention for depressive symptoms in caregivers of patients with Alzheimer's disease.	Paper already included as part of an included systematic review
Mohide (1990)	A randomized trial of family caregiver support in the home management of dementia.	Paper already included as part of an included systematic review
Moniz-Cook (1998)	A preliminary study of the effects of early intervention with people with dementia and their families in a memory clinic	Intervention primarily aimed at the person living with dementia
Montgomery (1989)	The effects of alternative support strategies on family caregiving.	Not a study in a population of carers for people living with dementia
Newcomer (1999)	Effects of the Medicare Alzheimer's Disease Demonstration on caregiver burden and depression.	Paper already included as part of an included systematic review
Nobili (2004)	The effect of a structured intervention on caregivers of patients with dementia and	Paper already included as part of an included systematic review

Short Title	Title	Reason for exclusion
	problem behaviors: a randomized controlled pilot study	
Oktaç (1990)	Post-hospital support program for the frail elderly and their caregivers: a quasi-experimental evaluation.	Not a study in a population of carers for people living with dementia
Ostwald (1999)	Reducing caregiver burden: a randomized psychoeducational intervention for caregivers of persons with dementia.	Paper already included as part of an included systematic review
Quayhagen (1989)	Differential effects of family-based strategies on Alzheimer's disease.	Not a randomised controlled trial
Quayhagen (2000)	Coping with dementia: evaluation of four nonpharmacologic interventions.	Paper already included as part of an included systematic review
Riordan (1998)	An evaluation of an augmented domiciliary service to older people with dementia and their carers	Not a randomised controlled trial
Ripich (1998)	Longitudinal effects of communication training on caregivers of persons with Alzheimer's disease	Not a randomised controlled trial
Roberts (1999)	Problem-solving counseling for caregivers of the cognitively impaired: effective for whom?	Paper already included as part of an included systematic review
Robinson (1988)	A social skills training program for adult caregivers.	Not a randomised controlled trial
Robinson (1994)	Effects of two caregiver-training programs on burden and attitude toward help.	Not a study in a population of carers for people living with dementia
Roth (2005)	Changes in social support as mediators of the impact of a psychosocial intervention for spouse caregivers of persons with Alzheimer's disease.	Secondary analysis of an included RCT which does not provide additional relevant data
Scharlach (1987)	Relieving feelings of strain among women with elderly mothers.	Not a study in a population of carers for people living with dementia
Schultz (1990)	Caring for family caregivers	Not a study in a population of carers for people living with dementia
Schwiebert (1994)	Midlife care givers: effectiveness of a psychoeducational intervention for midlife adults with parent-care responsibilities	Not a study in a population of carers for people living with dementia
Silliman (1990)	The Senior Care Study. Does inpatient interdisciplinary geriatric assessment help the family caregivers of acutely ill older patients?	Not a study in a population of carers for people living with dementia
Smeenk (1998)	Transmural care of terminal cancer patients: effects on the quality of life of direct caregivers.	Not a study in a population of carers for people living with dementia
Sorensen (2002)	How effective are interventions with caregivers? An updated meta-analysis	Systematic review where a more recent systematic review has been published in the same area
Steffen (2000)	Anger management for dementia caregivers: a preliminary study using video and telephone interventions	Paper already included as part of an included systematic review

Short Title	Title	Reason for exclusion
Stolley (2002)	Caregiving appraisal and interventions based on the progressively lowered stress threshold model.	No relevant outcome measures reported in an extractable way
Sutcliffe (1988)	Counselling carers of the elderly at home: a preliminary study.	Paper already included as part of an included systematic review
Teri (1997)	Behavioral treatment of depression in dementia patients: a controlled clinical trial.	Intervention primarily aimed at the person living with dementia
Teri (2005)	STAR: A dementia-specific training program for staff in assisted living residences	Intervention aimed at staff working with people living with dementia, rather than informal carers
Toseland (1989)	The effectiveness of three group intervention strategies to support family caregivers.	Not a study in a population of carers for people living with dementia
Toseland (1989)	The effectiveness of peer-led and professionally led groups to support family caregivers.	Not a randomised controlled trial
Toseland (1990)	Effectiveness of individual counseling by professional and peer helpers for family caregivers of the elderly.	Not a study in a population of carers for people living with dementia
Toseland (1992)	An evaluation of a group program for spouses of frail elderly veterans.	Not a study in a population of carers for people living with dementia
Toseland (2001)	Health education groups for caregivers in an HMO	Not a study in a population of carers for people living with dementia
van den Heuvel (2000)	Short-term effects of a group support program and an individual support program for caregivers of stroke patients.	Not a study in a population of carers for people living with dementia
Weuve (2000)	The effects of outpatient geriatric evaluation and management on caregiver burden.	Not a study in a population of carers for people living with dementia
Woods (2003)	Support in the community for people with dementia and their carers: a comparative outcome study of specialist mental health service interventions.	Not a randomised controlled trial
Wright (2001)	Continuum of care for Alzheimer's disease: a nurse education and counseling program	Paper already included as part of an included systematic review
Zanetti (1998)	Effectiveness of an educational program for demented person's relatives	Not a randomised controlled trial
Zarit (1982)	Memory training for severe memory loss: effects on senile dementia patients and their families.	Paper already included as part of an included systematic review
Zarit (1987)	Interventions with care givers of dementia patients: comparison of two approaches.	Paper already included as part of an included systematic review
Zarit (1998)	Stress reduction for family caregivers: effects of adult day care use.	Not a study in a population of carers for people living with dementia

## Systematic reviews

Short Title	Title	Reason for exclusion
Abbey (2006)	Effectiveness of interventions that assist caregivers to provide support for people with dementia living in the community: a systematic review	Full text unavailable
Almeida (2009)	Alzheimer's family caregivers: literature review	Full text unavailable
Birgitte (2010)	Supporting the dementia family caregiver: the effect of home care intervention on general well-being	All included papers pre 2006
Boots (2014)	A systematic review of internet-based supportive interventions for caregivers of patients with dementia	Review of mixed methods papers-contains one relevant RCT but this has already been identified for inclusion
Brody (2013)	Review: Nonpharmacologic caregiver interventions improve dementia symptoms and caregiver reactions	Article is a short abstract. Provides a summary of interventions delivered by caregivers based on outcomes for people living with dementia.
Bunn (2016)	Specialist nursing and community support for the carers of people with dementia living at home: an evidence synthesis	Includes published systematic reviews - all relevant previously identified for inclusion
Caceres (2016)	Family caregivers of patients with frontotemporal dementia: An integrative review	Review includes cross-sectional/ IPA and qualitative papers only
Chien (2011)	Caregiver support groups in patients with dementia: a meta-analysis	Paper does not report studies that contributed to pooled effects
Christine (2015)	Literature review: use of respite by carers of people with dementia	Narrative overview of evidence
Claudia (2007)	A systematic review of intervention studies about anxiety in caregivers of people with dementia	Search criteria of evidence up to June 2005 only. will have been considered in CG42
Cooper (2007)	A systematic review of intervention studies about anxiety in caregivers of people with dementia	Search criteria up to June 2005.
Dam (2016)	A systematic review of social support interventions for caregivers of people with dementia: Are they doing what they promise?	All relevant trials previously identified
Efficacy of interventions... (Fraleigh)	Efficacy of interventions with caregivers of those with dementia: A systematic review of the literature	Article is a thesis only
Eunyoung (2015)	Do technology-based support groups reduce care burden among dementia caregivers? A review	All relevant studies previously identified
Fields (2014)	The effectiveness of adult day services for older adults: A review of the literature from 2000 to 2011	Literature in review limited to quasi experimental and observational findings only
Fuentelsaz (2008)	Effectiveness of the interventions, of support and help by health professionals, on principal caregivers of patients with cancer and/or the most frequent types of dementia: A systematic review	Full text unavailable

Short Title	Title	Reason for exclusion
Gallagher (2011)	Treating sleep problems in dementia caregivers based on parent-child interventions	Narrative overview only
Gallagher-Thompson (2007)	Evidence-based psychological treatments for distress in family caregivers of older adults	Search criteria for this reviews was 1980 to 2005. All papers would've been reviewed in CG42
Godwin (2013)	Technology-driven interventions for caregivers of persons with dementia: a systematic review	Includes 1 relevant RCT -previously identified for inclusion
Greenwood (2015)	Barriers and facilitators for male carers in accessing formal and informal support: A systematic review	Qualitative analysis
Hall (2012)	Occupational therapy for caregivers of people with dementia: A review of the United Kingdom literature	Includes a review of papers of both RCTs and observational studies. One recent RCT post 2006 onwards but intervention is for community nurses and not informal carers
Health (2008)	Caregiver- and patient-directed interventions for dementia: an evidence-based analysis	Non peer reviewed- report article only
Huis (2015)	The effectiveness of interventions in supporting self-management of informal caregivers of people with dementia; a systematic meta review	All studies previously identified
Hurley (2014)	Meditation-based interventions for family caregivers of people with dementia: a review of the empirical literature	3RCTs - 2 previously identified for inclusion; 1 Spanish publication
Iliffe (2015)	Changing practice in dementia care in the community: developing and testing evidence-based interventions, from timely diagnosis to end of life (EVIDEM)	Relevant to formal care practices
Innes (2011)	Dementia care in rural and remote settings: a systematic review of informal/family caregiving	Observational data only
Jackson (2016)	A systematic review of the effect of telephone, internet or combined support for carers of people living with Alzheimer's, vascular or mixed dementia in the community	All relevant studies identified
John (2008)	A systematic review of networked technologies supporting carers of people with dementia	Duplicate reference
Laura (2012)	Occupational therapy for caregivers of people with dementia: a review of the United Kingdom literature	Duplicate entry. Provides evidence on formal care
Lauriks (2007)	Review of ICT-based services for identified unmet needs in people with dementia	Reviews all articles published before Nov 2006.
Lee (2014)	Respite care for people with dementia and their carers	Updated by Maayan 2014
Ling-Yu (2011)	Caregiver support groups in patients with dementia: a meta-analysis	Duplicate reference

Short Title	Title	Reason for exclusion
Llanque (2012)	Interventions for Hispanic caregivers of patients with dementia: a review of the literature	All trials pre 2006
Lopes (2012)	Psychoeducational intervention for caregivers of elderly with dementia: A systematic review	Only available in Portuguese
M (2007)	Effects of combined intervention programmes for people with dementia living at home and their caregivers: a systematic review	Considers outcomes for people with dementia
Mantovan (2010)	Interventions and their effects on informal caregivers of people with dementia: a systematic literature review	Article only available in German
Marim (2013)	Effectiveness of educational programs on reducing the burden of caregivers of elderly individuals with dementia: a systematic review	All relevant trials previously identified
McKechnie (2014)	Effectiveness of computer-mediated interventions for informal carers of people with dementia-a systematic review	All relevant trials previously identified
Mette (2015)	Effectiveness of educational interventions for informal caregivers of individuals with dementia residing in the community: systematic review and meta-analysis of randomised controlled trials	Duplicate reference
Nelis (2007)	Information and support interventions for informal caregivers of people with dementia	Protocol only
Neville (2015)	Literature review: use of respite by carers of people with dementia	Literature narrative analysis
O'Connor (2011)	Caring for dementia carers: the role of general practitioners in Ireland	Narrative overview
Parker (2008)	Effectiveness of interventions that assist caregivers to support people with dementia living in the community: a systematic review	Duplicate reference
Pinquart (2006)	Helping caregivers of persons with dementia: which interventions work and how large are their effects?	All papers pre 2006
Powell (2008)	A systematic review of networked technologies supporting carers of people with dementia	Only one relevant trial - previously identified
Rueda (2014)	The efficacy of telephone use to assist and improve the wellbeing of family caregivers of persons with chronic diseases: A systematic review	Full text unavailable
Ruth (2012)	Psychological interventions for carers of people with dementia: a systematic review of quantitative and qualitative evidence	Non peer reviewed publication
Santos (2011)	Group interventions focused on the burden of caregivers of patients with dementia: A systematic review	Article only available in Portuguese

Short Title	Title	Reason for exclusion
Schoenmakers (2010)	Supporting the dementia family caregiver: the effect of home care intervention on general well-being	Duplicate reference
Selwood (2007)	Systematic review of the effect of psychological interventions on family caregivers of people with dementia	Search criteria up to July 2003 only - all relevant evidence will have been considered in CG42
Smith (2014)	The impact of volunteer mentoring schemes on carers of people with dementia and volunteer mentors: a systematic review	One relevant trial - previously identified
Tang (2016)	Effects of psychosocial interventions on self-efficacy of dementia caregivers: A literature review	All relevant papers previously identified
Vandepitte (2015)	Effectiveness Of Supporting Informal Caregivers Of People With Dementia: A Systematic Review	Abstract only
Vandepitte (2016)	Effectiveness of Supporting Informal Caregivers of People with Dementia: A Systematic Review of Randomized and Non-Randomized Controlled Trials	All relevant papers previously identified
Van't (2013)	Dyadic interventions for community-dwelling people with dementia and their family caregivers: a systematic review	Also includes outcomes relevant for people with dementia. All relevant trials identified

### Randomised controlled trials

Short Title	Title	Reason for exclusion
[Public title] Cognitive... (2008)	[Public title] Cognitive behavioural therapy (talking therapy) for Alzheimer's carer; [Official title] Cognitive behavioural therapy (CBT) for carers of patients with Alzheimer's disease: a randomised controlled trial	Trial registry information only
Aakhus (2009)	Single session educational programme for caregivers of psychogeriatric in-patients--results from a randomised controlled pilot study	Not a study in a population of carers of people living with dementia
Aboulaflia-Brakha (2014)	Cognitive-behavioural group therapy improves a psychophysiological marker of stress in caregivers of patients with Alzheimer's disease	Not a randomised controlled trial
Actrn (2014)	A psychoeducation intervention for family caregivers of people with dementia using a mobile application: a feasibility study	Trial registry information only
Actrn (2014)	Telehealth support for carers of people living with vascular and mixed dementia	Trial registry information only
Actrn (2015)	The effects of a companion robot for people with dementia and their carers	Trial registry information only
Alexander (2010)	Evaluation of a brief educational program for dementia carers: The AENEAS Study	Already included as part of an included systematic review
Andren (2008)	Psychosocial intervention for family caregivers of people with dementia reduces caregiver's burden:	Not a randomised controlled trial

Short Title	Title	Reason for exclusion
	development and effect after 6 and 12 months	
Andren (2008)	Effective psychosocial intervention for family caregivers lengthens time elapsed before nursing home placement of individuals with dementia: a five-year follow-up study	Not a randomised controlled trial
Anon (2006)	Oline caregiver psychoeducation and support for Alzheimer's OR Caregiver psychoeducation and support: improving outcomes in AD/ADRD	Trial registry information only
Anon (2006)	An innovative psychosocial intervention for adult-child caregivers of parents with Alzheimer's disease or an innovative psychosocial intervention for adult-child caregivers of parents with Alzheimer's disease	Trial registry information only
Anon (2007)	Meditation or education for Alzheimer caregivers or meditation for Alzheimer caregivers	Trial registry information only
Anon (2008)	Telephone support for dementia caregivers or psychosocial telephone intervention for dementia caregivers	Trial registry information only
Anon (2009)	Pilot study of the environmental skill building program for dementia caregivers	Trial registry information only
Anon (2009)	A benefit-finding intervention of family caregivers of persons with Alzheimer disease	Trial protocol
Anon (2009)	[Public title] START (STrategies for RelaTives) study; [Scientific title] START (STrategies for RelaTives) study: a pragmatic randomised controlled trial to determine the effectiveness of a manual based coping strategy programme in promoting the mental health of carers of people with dementia	Trial registry information only
Anon (2009)	[Public title] SHIELD carer supporter programme for family carers of people with dementia; [Scientific title] SHIELD carer supporter programme: a peer support intervention for newer family carers of people with dementia	Trial registry information only
Anon (2009)	[Public title] Effectiveness of an e-Mental Health intervention for family caregivers of people with dementia; [Official/Scientific title] Effectiveness of an eHealth intervention on psychological well-being, feelings of burden and perceived health of family caregivers of people with dementia	Trial registry information only
Anon (2009)	[Public title] Effect of a training program on dementia and caregiving; [Scientific title] A training program for people with dementia and their family caregivers: a randomized controlled trial	Trial registry information only



Short Title	Title	Reason for exclusion
Au (2010)	The Coping with Caregiving Group Program for Chinese caregivers of patients with Alzheimer's disease in Hong Kong	Duplicate reference
Au (2014)	Telephone-assisted pleasant-event scheduling to enhance well-being of caregivers of people with dementia: a randomised controlled trial	Already included as part of an included systematic review
Au (2015)	Developing volunteer-assisted behavioral activation teleprograms to meet the needs of Chinese dementia caregivers	Duplicate reference
Au (2015)	Behavioral activation for dementia caregivers: scheduling pleasant events and enhancing communications	Study compares two different psychoeducational interventions
Au (2015)	Developing Volunteer-Assisted Behavioral Activation Teleprograms to Meet the Needs of Chinese Dementia Caregivers	Study compares two different psychoeducational interventions
Barbosa (2015)	Supporting direct care workers in dementia care: effects of a psychoeducational intervention	Intervention aimed at a formal rather than informal carer
Bass (2014)	A controlled trial of Partners in Dementia Care: veteran outcomes after six and twelve months	Intervention not primarily aimed at the carer of the person living with dementia
Bass (2015)	Impact of the care coordination program "partners in Dementia Care" on veterans' hospital admissions and emergency department visits	Intervention not primarily aimed at the carer of the person living with dementia
Basu (2015)	The Impact of the REACH II Intervention on Caregivers' Perceived Health	Not a randomised controlled trial
Belle (2006)	Enhancing the quality of life of dementia caregivers from different ethnic or racial groups: A randomized, controlled trial	Already included as part of an included systematic review
Bormann (2009)	A spiritually based caregiver intervention with telephone delivery for family caregivers of veterans with dementia...reprinted with permission from Family & Community Health. 2009;32(4):345-353	Not a randomised controlled trial
Brown (2013)	Collaborative care management reduces disparities in dementia care quality for caregivers with less education	Intervention not primarily aimed at the carer of the person living with dementia
Burns (2010)	Transcultural influences in dementia care: observations from a psychosocial intervention study	Paper has not yet arrived
Callan (2016)	Feasibility of a pocket-PC based cognitive control intervention in dementia spousal caregivers	Not a randomised controlled trial
Carlos (2015)	The UP-TECH project, an intervention to support caregivers of Alzheimer's disease patients in Italy: preliminary findings on recruitment and caregiving burden in the baseline population	Duplicate reference

Short Title	Title	Reason for exclusion
Chappell (2008)	Carers of people with dementia: no benefit of adding befriending initiative to usual care	Letter
Chen (2015)	Effectiveness of coping strategies intervention on caregiver burden among caregivers of elderly patients with dementia	Already included as part of an included systematic review
Chenoweth (2009)	Caring for Aged Dementia Care Resident Study (CADRES) of person-centred care, dementia-care mapping, and usual care in dementia: a cluster-randomised trial.[Erratum appears in Lancet Neurol. 2009 May;8(5):419]	Intervention not primarily aimed at the carer of the person living with dementia
Chiatti (2015)	The UP-TECH project, an intervention to support caregivers of Alzheimer's disease patients in Italy: preliminary findings on recruitment and caregiving burden in the baseline population	Study does not report outcomes of relevance
Chien (2008)	A disease management program for families of persons in Hong Kong with dementia	Already included as part of an included systematic review
Chien (2011)	Randomized controlled trial of a dementia care programme for families of home-resided older people with dementia	Already included as part of an included systematic review
Chiu (2010)	Stages of use: consideration, initiation, utilization, and outcomes of an internet-mediated intervention	Not a randomised controlled trial
Clare (2010)	Goal-oriented cognitive rehabilitation for people with early-stage Alzheimer disease: a single-blind randomized controlled trial of clinical efficacy	Intervention not primarily aimed at the carer of the person living with dementia
Cognitive behavioural... (2008)	Cognitive behavioural therapy (CBT) for carers of patients with Alzheimer's disease: a randomised controlled trial	Trial registry information only
Connor (2008)	Determining care management activities associated with mastery and relationship strain for dementia caregivers	Secondary publication not providing any additional relevant data
Cooper (2015)	The START (STrategies for RelaTives) intervention: Randomised controlled trial and implementation	Secondary publication not providing any additional relevant data
Cooper (2016)	Effectiveness of START psychological intervention in reducing abuse by dementia family carers: randomized controlled trial	Study does not report outcomes of relevance
Costa (2014)	Benefits of psychodynamic group therapy and body awareness therapy on depression, burden, and quality of life of family caregivers to ad patients	Study/conference abstract only
Cristancho-Lacroix (2013)	Evaluating the Efficacy of a Web-Based Program (Diapason) for Informal Caregivers of Patients With Alzheimer's Disease: Protocol for a Randomized Clinical Trial	Trial protocol

Short Title	Title	Reason for exclusion
Davis (2011)	A telephone-delivered psychosocial intervention improves dementia caregiver adjustment following nursing home placement	Already included as part of an included systematic review
de Rotrou (2011)	Do patients diagnosed with Alzheimer's disease benefit from a psycho-educational programme for family caregivers? A randomised controlled study	Already included as part of an included systematic review
Dowling (2014)	Life enhancing activities for family caregivers of people with frontotemporal dementia	Paper has not yet arrived
Drentea (2006)	Predictors of improvement in social support: Five-year effects of a structured intervention for caregivers of spouses with Alzheimer's disease	Study does not report outcomes of relevance
Drks (2014)	Internet-based psychotherapy for family-caregivers of people with dementia	Trial registry information only
Drks (2014)	Telephone-based psychotherapy for family-caregivers of people with dementia - Practice transfer of a telephone-based psychotherapy for supporting family-caregivers	Trial registry information only
D'Souza (2015)	Preliminary data from the Caring for Older Adults and Caregivers at Home (COACH) program: A care coordination program for home-based dementia care and caregiver support in a veterans affairs medical center	Not a randomised controlled trial
Ducharme (2015)	Maintaining the potential of a psycho-educational program: efficacy of a booster session after an intervention offered family caregivers at disclosure of a relative's dementia diagnosis	Study does not report outcomes of relevance
Eckermann (2014)	Counselling patients with early phase AD and their primary caregivers	Study/conference abstract only
Eivind (2009)	Single session educational programme for caregivers of psychogeriatric in-patients - results from a randomised controlled pilot study	Not a study in a population of carers of people living with dementia
Elliott (2010)	Enhancing caregiver health: findings from the resources for enhancing Alzheimer's caregiver health II intervention	Study does not report outcomes of relevance
Emiliano (2013)	Effects of a psychological intervention in a primary health care center for caregivers of dependent relatives: a randomized trial	Not a study in a population of carers of people living with dementia
Epstein (2006)	Couples counseling in Alzheimer's disease: first observations of a novel intervention study	Study does not report outcomes of relevance
Farran (2007)	Efficacy of behavioral interventions for dementia caregivers	Secondary publication not providing any additional relevant data
Farran (2014)	An individualized physical activity intervention for family caregivers of	Study/conference abstract only

Short Title	Title	Reason for exclusion
	persons with dementia: A randomized controlled trial	
Finkel (2007)	E-care: a telecommunications technology intervention for family caregivers of dementia patients	Already included as part of an included systematic review
Francine (2015)	Maintaining the potential of a psycho-educational program: efficacy of a booster session after an intervention offered family caregivers at disclosure of a relative's dementia diagnosis	Study does not report outcomes of relevance
Fritsch (2009)	Impact of TimeSlips, a Creative Expression Intervention Program, on Nursing Home Residents with Dementia and Their Caregivers	Intervention not primarily aimed at the carer of the person living with dementia
G (2006)	Project CARE: a randomised controlled trial of a behavioral intervention group for Alzheimer's Disease caregivers	Duplicate reference
Gallagher-Thompson (2007)	Impact of in-home behavioral management versus telephone support to reduce depressive symptoms and perceived stress in Chinese caregivers: results of a pilot study	Already included as part of an included systematic review
Gallagher-Thompson (2010)	Effectiveness of a psychoeducational skill training DVD program to reduce stress in Chinese American dementia caregivers: results of a preliminary study	Already included as part of an included systematic review
Gant (2007)	Comparative outcomes of two distance-based interventions for male caregivers of family members with dementia	Already included as part of an included systematic review
Garand (2014)	Effects of problem solving therapy on mental health outcomes in family caregivers of persons with a new diagnosis of mild cognitive impairment or early dementia: a randomized controlled trial	Carers of people with MMSE of 29 at baseline (defined as normal cognition)
Gaugler (2011)	Modeling trajectories and transitions: results from the New York University caregiver intervention	Study does not report outcomes of relevance
Gaugler (2013)	Effects of the NYU caregiver intervention-adult child on residential care placement	Already included as part of an included systematic review
Gavrilova (2009)	Helping carers to care--the 10/66 dementia research group's randomized control trial of a caregiver intervention in Russia	Already included as part of an included systematic review
Georgina (2008)	Befriending carers of people with dementia: randomised controlled trial	Duplicate reference
Geschke (2012)	[Effectivity of early psychosocial counselling for family caregivers in general practioner based dementia care]	Article not in English
Gitlin (2010)	A biobehavioral home-based intervention and the well-being of patients with dementia and their caregivers: the COPE randomized trial	Already included as part of an included systematic review

Short Title	Title	Reason for exclusion
Glueckauf (2007)	Telephone-based cognitive-behavioral intervention for distressed rural dementia caregivers: initial findings	No data presented in an extractable format
Glueckauf (2012)	Telephone-based, cognitive-behavioral therapy for african american dementia caregivers with depression: Initial findings	Paper has not yet arrived
Gonyea (2006)	Project CARE: a randomised controlled trial of a behavioral intervention group for Alzheimer's Disease caregivers	Duplicate reference
Gonyea (2012)	Circulo de cuidado: A randomized controlled trial of a behavioral group intervention for latino Alzheimer's caregivers	Study compares two different psychoeducational interventions
Gonzalez (2014)	Enhancing resourcefulness to improve outcomes in family caregivers and persons with Alzheimer's disease: a pilot randomized trial	Already included as part of an included systematic review
Graff (2006)	Community based occupational therapy for patients with dementia and their caregivers: randomised controlled trial	Intervention not primarily aimed at the carer of the person living with dementia
Graff (2007)	Effects of community occupational therapy on quality of life, mood, and health status in dementia patients and their caregivers: a randomized controlled trial	Intervention not primarily aimed at the carer of the person living with dementia
Guerra (2011)	Helping carers to care: the 10/66 Dementia Research Group's randomized control trial of a caregiver intervention in Peru	Already included as part of an included systematic review
Haberstroh (2011)	TANDEM: Communication training for informal caregivers of people with dementia	Not a randomised controlled trial
Hayden (2012)	The use of Internet technology for psychoeducation and support with dementia caregivers	Trial protocol
Heehyul (2013)	The effectiveness of dyadic interventions for people with dementia and their caregivers	Not a randomised controlled trial
Hepburn (2007)	The Savvy Caregiver program: the demonstrated effectiveness of a transportable dementia caregiver psychoeducation program	No data presented in an extractable format
Hirano (2016)	Effects of leisure activities at home on perceived care burden and the endocrine system of caregivers of dementia patients: A randomized controlled study	Paper has not yet arrived
Holland (2009)	Outcomes from the Resources for Enhancing Alzheimer's Caregiver Health (REACH) program for bereaved caregivers	Secondary publication not providing any additional relevant data
Hori (2009)	[The effect of videophone communication (with skype and	Article not in English

Short Title	Title	Reason for exclusion
	webcam)for elderly patients with dementia and their caregivers]	
I (2009)	Helping carers to care - the 10/66 dementia research group's randomized control trial of a caregiver intervention in Russia	Already included as part of an included systematic review
Iraqi (2007)	Disease management intervention on quality and outcomes of dementia care...Vickrey BG, Mittman BS, Connor KI, Pearson ML, Della Penna RD, Ganiats TG, et al. The effect of a disease management intervention on quality and outcomes of dementia care: a randomized, controlled trial. Ann Intern Med. 2006; 145:713-26	Intervention not primarily aimed at the carer of the person living with dementia
J (2006)	Community based occupational therapy for patients with dementia and their care givers: randomised controlled trial	Intervention not primarily aimed at the carer of the person living with dementia
Joling (2008)	(Cost)-effectiveness of family meetings on indicated prevention of anxiety and depressive symptoms and disorders of primary family caregivers of patients with dementia: design of a randomized controlled trial	Trial protocol
Joling (2012)	Does a family meetings intervention prevent depression and anxiety in family caregivers of dementia patients? A randomized trial	Already included as part of an included systematic review
Joling (2012)	Effectiveness of family meetings for family caregivers on delaying time to nursing home placement of dementia patients: a randomized trial	Already included as part of an included systematic review
Judge (2010)	Acceptability and feasibility results of a strength-based skills training program for dementia caregiving dyads	Not a randomised controlled trial
Judge (2013)	Improved Strain and Psychosocial Outcomes for Caregivers of Individuals with Dementia: Findings from Project ANSWERS	Already included as part of an included systematic review
Kaisey (2012)	Predictors of acceptance of offered care management intervention services in a quality improvement trial for dementia	Not a randomised controlled trial
Kajiyama (2007)	Improving the quality of life for caregivers and care recipients with personalized video channels	Not a randomised controlled trial
Kajiyama (2013)	Exploring the effectiveness of an internet-based program for reducing caregiver distress using the iCare Stress Management e-Training Program.[Erratum appears in Aging Ment Health. 2013;17(5):c1]	Already included as part of an included systematic review
Kamkhagi (2015)	Benefits of psychodynamic group therapy on depression, burden and quality of life of family caregivers to Alzheimer's disease patients	Study compares two different psychoeducational interventions

Short Title	Title	Reason for exclusion
Kanas (2006)	Group therapy for caregivers of patients with Alzheimer's disease	Not a randomised controlled trial
Kettl (2007)	Helping families with end-of-life care in Alzheimer's disease	Not a randomised controlled trial
Kidd (2009)	The effect of a poetry writing intervention on self-transcendence, resilience, depressive symptoms, and subjective burden in family caregivers of older adults with dementia	Not a peer-reviewed publication
Kim (2012)	Health-Related Internet as a Caregiver Resource for Informal Caregivers of Individuals with Dementia	Not a peer-reviewed publication
Klodnicka (2008)	Development and evaluation of a nursing psycho-educational program focused on communication for family caregivers in early Alzheimer's disease	Not a peer-reviewed publication
Klodnicka (2011)	A psycho-educational intervention focused on communication for caregivers of a family member in the early stage of Alzheimer's disease: Results of an experimental study	Not a peer-reviewed publication
Kohler (2014)	Does an interdisciplinary network improve dementia care? Results from the IDemUck-study	Intervention not primarily aimed at the carer of the person living with dementia
Konno (2009)	Assisting caregivers to support people with dementia living in the community	Not a randomised controlled trial
Korn (2009)	A randomized trial of a CAM therapy for stress reduction in American Indian and Alaskan Native family caregivers	Already included as part of an included systematic review
Korn (2012)	A randomized trial of Polarity therapy for stress and pain reduction in American Indian and Alaska Native family dementia caregivers	Study/conference abstract only
Kuo (2013)	A home-based training program improves Taiwanese family caregivers' quality of life and decreases their risk for depression: a randomized controlled trial	Study does not report outcomes of relevance
Kuo (2013)	A home-based training program improves caregivers' skills and dementia patients' aggressive behaviors: A randomized controlled trial	Study does not report relevant outcomes
Kuo (2014)	Health-related quality of life and self-efficacy of managing behavior problems for family caregivers of vascular dementia and alzheimer's disease patients	Secondary publication not providing any additional relevant data
Kurz (2010)	Evaluation of a brief educational program for dementia carers: The AENEAS Study	Already included as part of an included systematic review
Kuske (2009)	Training in dementia care: a cluster-randomized controlled trial of a training program for nursing home staff in Germany	Intervention aimed at a formal rather than informal carer

Short Title	Title	Reason for exclusion
Kwok (2014)	Effectiveness of online cognitive behavioral therapy on family caregivers of people with dementia	Not a randomised controlled trial
Laakkonen (2014)	Effects of the self-management groups for people with dementia and their spousal caregivers - A randomized, controlled trial	Intervention not primarily aimed at the carer of the person living with dementia
Lai (2013)	Online and onsite training for family caregivers of people with dementia: Results from a pilot study	Letter
Lavretsky (2010)	Meditation improves depressive symptoms, perceived stress, coping, cognition, and inflammation in family dementia caregivers in a randomized 8-week pilot study	Study/conference abstract only
Lavretsky (2010)	Improving depression and enhancing resilience in family dementia caregivers: a pilot randomized placebo-controlled trial of escitalopram	Intervention is a drug therapy to treat symptoms of depression
Lee (2007)	Effect of institutional respite care on the sleep of people with dementia and their primary caregivers	Study does not report outcomes of relevance
Lee (2010)	The moderating influence of demographic characteristics, social support, and religious coping on the effectiveness of a multicomponent psychosocial caregiver intervention in three racial ethnic groups	Not a randomised controlled trial
Leslie (2009)	A randomized trial of a CAM therapy for stress reduction in American Indian and Alaskan native family caregivers	Already included as part of an included systematic review
Li (2014)	Coping strategies as mediators of the effect of the START (strategies for RelaTives) intervention on psychological morbidity for family carers of people with dementia in a randomised controlled trial	Secondary publication not providing any additional relevant data
Li (2014)	Coping strategies as mediators of the effect of the START (Strategies for RelaTives) intervention on psychological morbidity for family carers of people with dementia in a randomised controlled trial	Duplicate reference
Li-Min (2013)	A home-based training program improves Taiwanese family caregivers' quality of life and decreases their risk for depression: a randomized controlled trial	Study does not report outcomes of relevance
Livingston (2013)	Clinical effectiveness of a manual based coping strategy programme (START, STRategies for RelaTives) in promoting the mental health of carers of family members with dementia: Pragmatic randomised controlled trial	Already included as part of an included systematic review
Livingston (2014)	The long-term clinical effectiveness of start (strategies for relatives) for family carers of people with dementia and the effects on cost of care	Study/conference abstract only



Short Title	Title	Reason for exclusion
Livingston (2014)	Long-term clinical and cost-effectiveness of psychological intervention for family carers of people with dementia: a single-blind, randomised, controlled trial	Secondary publication not providing any additional relevant data
Livingston (2014)	START (STrategies for RelaTives) study: a pragmatic randomised controlled trial to determine the clinical effectiveness and cost-effectiveness of a manual-based coping strategy programme in promoting the mental health of carers of people with dementia	Secondary publication not providing any additional relevant data
Livingston (2015)	A randomized controlled trial of the effect of the start (strategies for relatives) intervention: The effect on family caregiver's potentially harmful behavior to people with dementia	Study/conference abstract only
Logsdon (2006)	Time-limited support groups for individuals with early stage dementia and their care partners: preliminary outcomes from a controlled clinical trial	Intervention not primarily aimed at the carer of the person living with dementia
Luchsinger (2012)	The Northern Manhattan Caregiver Intervention Project: A randomised trial testing the effectiveness of a dementia caregiver intervention in Hispanics in New York City	Trial protocol
Lukas (2012)	[Maintenance of health and relief for caregivers of elderly with dementia by using "initial case management": experiences from the Lighthouse Project on Dementia, Ulm, ULTDEM-study]	Article not in English
MacNeil (2015)	Community-dwelling patients with dementia and their informal caregivers with and without case management: 2-year outcomes of a pragmatic trial	Not a randomised controlled trial
Manuel (2009)	Effectiveness of a psychoeducational intervention program in the reduction of caregiver burden in Alzheimer's disease patients' caregivers	Already included as part of an included systematic review
Martin-Carrasco (2009)	Effectiveness of a psychoeducational intervention program in the reduction of caregiver burden in alzheimer's disease patients' caregivers	Duplicate reference
Martin-Carrasco (2010)	EDUCA study: Psychometric properties of the Spanish version of the Zarit Caregiver Burden Scale	Secondary publication not providing any additional relevant data
Martin-Carrasco (2014)	Effectiveness of a psychoeducational intervention group program in the reduction of the burden experienced by caregivers of patients with dementia: The EDUCA-II randomized trial	Already included as part of an included systematic review
Martindale-Adams (2013)	A trial of dementia caregiver telephone support	Already included as part of an included systematic review
Mason (2009)	Best practices. Telephone interventions for family caregivers of patients with dementia: what are best nursing	Not a randomised controlled trial

Short Title	Title	Reason for exclusion
	practices?...reprinted with permission from Mason BJ, harrison BE. Telephone Interventions for Family Caregivers of Patients With Dementia: What Are Best Nursing Practices? <i>Holist Nurs Pract.</i> 2008;22(6):348-354. Copyright © Lippincott Williams & Wilkins	
Masters (2006)	Serving Persons With Cognitive Impairments: The Benefits of Consumer-Directed Services for Caregivers of Persons With Alzheimer's Disease	Study does not report outcomes of relevance
Mierlo (2015)	Evaluation of DEM-DISC, customized e-advice on health and social support services for informal carers and case managers of people with dementia; a cluster randomized trial	No data presented in an extractable format
Mioshi (2013)	Improving burden and coping skills in frontotemporal dementia caregivers: a pilot study	Not a randomised controlled trial
Mittelman (2006)	Improving caregiver well-being delays nursing home placement of patients with Alzheimer disease	Secondary publication not providing any additional relevant data
Mittelman (2015)	Efficacy of internet-based training of clinicians to implement an evidence-based intervention for dementia caregivers	Intervention involves training of healthcare professionals
Montgomery (2011)	Effects of the TCARE intervention on caregiver burden and depressive symptoms: preliminary findings from a randomized controlled study	Study does not report outcomes of relevance
Moon (2013)	The effectiveness of dyadic interventions for people with dementia and their caregivers	Duplicate reference
Moore (2013)	A randomized clinical trial of Behavioral Activation (BA) therapy for improving psychological and physical health in dementia caregivers: results of the Pleasant Events Program (PEP)	Study does not report outcomes of relevance
Nct (2012)	A Randomised Controlled Trial to Improve Support Services for Caregivers of Patients With Alzheimer Disease in Italy by UPgrading Quality of Care Through the Integration of Services and the Use of New TECHnologies (The UP-TECH Project)	Trial registry information only
Nct (2013)	Impact of a therapeutic educational programme for Alzheimer's disease patients and their caregiver in community dwelling, on the AD patient's quality of life	Trial registry information only
Newbrough (2011)	"Training" a workforce to care for people in West Virginia with Alzheimer's disease and related dementias	Not a randomised controlled trial
Nichols (2011)	Translation of a dementia caregiver support program in a health care system--REACH VA	Not a randomised controlled trial

Short Title	Title	Reason for exclusion
Ntr (2014)	'Partner in Zicht' - an intervention to support caregivers of people with dementia in their daily lives	Trial registry information only
Pahlavanzadeh (2010)	The effects of family education program on the caregiver burden of families of elderly with dementia disorders	Already included as part of an included systematic review
Phung (2013)	A three-year follow-up on the efficacy of psychosocial interventions for patients with mild dementia and their caregivers: the multicentre, rater-blinded, randomised Danish Alzheimer Intervention Study (DAISY)	Secondary publication not providing any additional relevant data
Pitrou (2010)	Well-being of patients with dementia and their caregivers after a biobehavioral home-based intervention	Study/conference abstract only
Pitteri (2013)	[Contribution of relaxation to a psychoeducational intervention program for family carers of persons with Alzheimer's disease]	Article not in English
Pot (2015)	Acceptability of a guided self-help Internet intervention for family caregivers: mastery over dementia	Not a randomised controlled trial
Prick (2014)	Process evaluation of a multicomponent dyadic intervention study with exercise and support for people with dementia and their family caregivers	Not a randomised controlled trial
Prince (2007)	10/66 Dementia Research Group randomised controlled trial: helping carers to care - Venezuela	Duplicate reference
Prince (2007)	10/66 Dementia Research Group randomised controlled trial: helping carers to care - Argentina	Trial registry information only
Prince (2007)	10/66 Dementia Research Group randomised controlled trial: helping carers to care - Russia	Duplicate reference
Prince (2007)	10/66 Dementia Research Group randomised controlled trial: helping carers to care - Peru	Duplicate reference
Prince (2007)	10/66 Dementia Research Group randomised controlled trial: helping carers to care - China	Duplicate reference
Prince (2007)	10/66 Dementia Research Group randomised controlled trial: helping carers to care - Mexico	Duplicate reference
Robison (2007)	Partners in caregiving in a special care environment: cooperative communication between staff and families on dementia units	Intervention aimed at a formal rather than informal carer
Rodriguez-Sanchez (2013)	Effects of a psychological intervention in a primary health care center for caregivers of dependent relatives: a randomized trial	Not a study in a population of carers of people living with dementia
Rotrou (2011)	Do patients diagnosed with Alzheimer's disease benefit from a psycho-educational programme for family	Already included as part of an included systematic review

Short Title	Title	Reason for exclusion
	caregivers? A randomised controlled study	
Ryynanen (2013)	Efficacy of a multicomponent support programme for the caregivers of disabled persons: a randomised controlled study	Not a study in a population of carers of people living with dementia
Saez (2011)	Alladin project: A technology platform for the assisted living of dementia elderly individuals and their carers	Study/conference abstract only
Santos (2013)	Efficacy of a psychoeducational group with caregivers of patients with dementia	Not a randomised controlled trial
Schoenmakers (2010)	Supporting family carers of community-dwelling elder with cognitive decline: a randomized controlled trial	Study does not report outcomes of relevance
Schutzwohl (2011)	Effectiveness of domestic occupational therapy for patients with dementia and their caregivers (ERGODEM): Results from a multi-site RCT	Intervention not primarily aimed at the carer of the person living with dementia
Sheung-Tak (2014)	Benefit-finding intervention for Alzheimer caregivers: conceptual framework, implementation Issues, and preliminary efficacy	Duplicate reference
Shim (2011)	Correlates of care relationship mutuality among carers of people with Alzheimer's and Parkinson's disease	Secondary publication not providing any additional relevant data
Signe (2008)	Psychosocial intervention for family caregivers of people with dementia reduces caregiver's burden: development and effect after 6 and 12 months	Not a randomised controlled trial
Spijker (2009)	Systematic care for caregivers of people with dementia in the ambulatory mental health service: designing a multicentre, cluster, randomized, controlled trial	Trial protocol
Spijker (2013)	Influence of adherence to a systematic care program for caregivers of dementia patients	Secondary publication not providing any additional relevant data
Steffen (2016)	A telehealth behavioral coaching intervention for neurocognitive disorder family carers	Not a study in a population of carers of people living with dementia
Tannen (2012)	[Effectiveness of a case management program for the elderly in early stage dementia and their caregivers]	Article not in English
Tanner (2013)	Effectiveness of a multicomponent care coordination intervention on dementia caregivers in the community-a randomized control trial Jeremy A. Tanner	Study/conference abstract only
Tanner (2015)	A randomized controlled trial of a community-based dementia care coordination intervention: effects of MIND at Home on caregiver outcomes	Intervention not primarily aimed at the carer of the person living with dementia
The effect of family... (2010)	The effect of family education program on family caregivers' burden in elderly patients with dementia	Trial registry information only

Short Title	Title	Reason for exclusion
The START (STrAtegies... (2013)	The START (STrAtegies for RelaTives) study: a pragmatic randomised controlled trial to determine the effectiveness of a manual based coping strategy programme in promoting the mental health of carers of people with dementia - cohort follow-up (Project record)	Trial registry information only
Tremont (2008)	Telephone-delivered psychosocial intervention reduces burden in dementia caregivers	Already included as part of an included systematic review
Tremont (2013)	Randomized controlled trial of a telephone-delivered intervention (FITT-Caregiver) for dementia caregivers	Study/conference abstract only
Tremont (2014)	Effect of a telephone-based dementia caregiver intervention on use of community support services and health care resources	Study does not report outcomes of relevance
Tremont (2015)	Psychosocial telephone intervention for dementia caregivers: A randomized, controlled trial	Duplicate reference
Tzuang (2013)	Effectiveness of a fotonovela (FN) to latino dementiacaregivers on reducing caregiving-related self-reported stress and depression	Study/conference abstract only
Valimaki (2015)	Depressed Spousal Caregivers Have Psychological Stress Unrelated to the Progression of Alzheimer Disease: A 3-Year Follow-Up Report, Kuopio ALSOVA Study	Not a randomised controlled trial
van der Roest (2010)	User evaluation of the DEMentia-specific Digital Interactive Social Chart (DEM-DISC). A pilot study among informal carers on its impact, user friendliness and, usefulness	Not a randomised controlled trial
Van Mierlo (2012)	Personalised caregiver support: Effectiveness of psychosocial interventions in subgroups of caregivers of people with dementia	Not a randomised controlled trial
Van Mierlo (2015)	Evaluation of DEM-DISC, customized e-advice on health and social support services for informal carers and case managers of people with dementia; a cluster randomized trial	Paper has not yet arrived
Voigt-Radloff (2009)	WHEDA study: effectiveness of occupational therapy at home for older people with dementia and their caregivers--the design of a pragmatic randomised controlled trial evaluating a Dutch programme in seven German centres	Intervention not primarily aimed at the carer of the person living with dementia
W (2010)	A randomized controlled trial to examine the effectiveness of case management model for community dwelling older persons with mild dementia in Hong Kong	No data presented in an extractable format

Short Title	Title	Reason for exclusion
Wai (2011)	Randomized controlled trial of a dementia care programme for families of home-resided older people with dementia	Already included as part of an included systematic review
Wang (2013)	Effectiveness of community-based intervention program for family caregivers of dementia: A mixed methods study	Study/conference abstract only
Williams (2010)	Video-based coping skills to reduce health risk and improve psychological and physical well-being in Alzheimer's disease family caregivers [NCT00396825]	Not a randomised controlled trial
Wilz (2011)	Goal attainment and treatment compliance in a cognitive-behavioral telephone intervention for family caregivers of persons with dementia	Already included as part of an included systematic review
Wilz (2013)	Long-term evaluation of a randomized-controlled telephone therapy for family caregivers of persons with dementia	Study/conference abstract only
Winter (2006)	Evaluation of a telephone-based support group intervention for female caregivers of community-dwelling individuals with dementia	Already included as part of an included systematic review
Woods (2016)	REMCARE: Pragmatic multi-centre randomised trial of reminiscence groups for people with dementia and their family carers: Effectiveness and economic analysis	Intervention not primarily aimed at the carer of the person living with dementia
Zarit (2008)	Behavioral and psychosocial interventions for family caregivers	Not a randomised controlled trial
Zarit (2014)	The Effects of Adult Day Services on Family Caregivers' Daily Stress, Affect, and Health: Outcomes From the Daily Stress and Health (DaSH) Study	Not a randomised controlled trial

#### F.11.1.2 Carers' assessments

Short Title	Title	Reason for exclusion
Abley (2013)	Patients' and carers' views on communication and information provision when undergoing assessments in memory services	Qualitative paper only
Bradford (2011)	Knowledge of documented dementia diagnosis and treatment in veterans and their caregivers	Does not report relevant outcomes
Carradice (2002)	A qualitative study of the theoretical models used by UK mental health nurses to guide their assessments with family caregivers of people with dementia	Qualitative findings only
Charlesworth (2007)	Carers Assessment of Difficulties Index (CADI): psychometric properties for use with carers of people with dementia	Does not report relevant outcomes

Short Title	Title	Reason for exclusion
Fortinsky (1990)	Information and service needs among active and former family caregivers of persons with Alzheimer's disease	Not a relevant study design
Freyne (2010)	Carer-rated needs assessment of a cohort of people with dementia	Does not report relevant outcomes
Rankin (1992)	Clinical assessment of family caregivers in dementia	Not a relevant study design
Riesner (2010)	Adaptability of the need assessment for Dementia (CarenapD) into German Community Care system...Fourth European Nursing Congress	Conference abstract
Vernooij-Dassen (2003)	Information for dementia patients and their caregivers: what information does a memory clinic pass on, and to whom?	Does not report relevant outcomes
Wackerbarth (1997)	Modeling a dynamic decision process: Assessing the decision support needs of dementia familial caregivers	Dissertation abstract only

## F.12 Staff training

### F.12.1 Staff training

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

#### F.12.1.1 Qualitative evidence

Study	Reason for exclusion
Alushi (2015) Evaluation of dementia education programs for pre-registration healthcare students—A review of the literature	This is a systematic review that looks at qualitative studies. All of them are non-UK.
Archibald (2006) Promoting hydration in patients with dementia in healthcare settings	Narrative review / opinion article.
Banerjee (2016) Time for dementia: Development and evaluation of a multi-professional educational programme to deliver clinicians of the future with the understanding and compassion to care well for people with dementia	Conference abstract
Cooper (2017) A systematic review evaluating the impact of paid home carer training, supervision, and other interventions on the health and well-being of older home care clients	Systemtatic review not containing any relevant qualittitative studies
Deloitte (2015) The Primary Care Navigator programme for dementia: Benefits of alternative working models	Not a peer-reviewed publication
Deloitte (2015) The Primary Care Navigator training programme for dementia: Evaluation of its impact	Not a peer-reviewed publication
Garden (2016) The Bromhead Care Home Service: the impact of a service for care home residents with dementia on hospital admission and dying in preferred place of care	No relevant outcomes reported
Goyder (2012) Staff training using STAR: a pilot study in UK care homes	Qualitative data only reported on staff, not people living with demenit aor carers.
Hall (2016) Exploring staff training in the use of monitoring technologies in care homes	This is an abstract for a conference presentation
Liu (2016) Evaluating the impact of an end-of-life dementia care training workshop in Dorset	The outcomes measured do not include the experiences and satisfaction of people living with dementia nor the experiences and satisfaction of their carers.
Morris (2012) Improving end of life care for people with advanced dementia: report on a 3-year practice based project assessing the impact of end of life training 2012	Not a peer-reviewed publication
Nazarko (2008) Dressed to impress: dressing in dementia	Narrative review / opinion article.
Raymond (2014) Evaluating educational initiatives to improve palliative care for people with dementia: A narrative review	This is a systematic review of observational studies and non-UK qualitative studies.



Study	Reason for exclusion
Scerri (2017) Dementia training programmes for staff working in general hospital settings - a systematic review of the literature	This is a systematic review that does not have qualitative evidence. We checked the reference list to ensure that we have included the relevant studies
Spector (2013) A systematic review of staff training interventions to reduce the behavioural and psychological symptoms of dementia	This is a systematic review of RCTs. Although this study was excluded from the qualitative studies list, all of the RCTs included in this study were appraised for inclusion or exclusion under the RCT heading.
Wilson (2012) The senses in practice: enhancing the quality of care for residents with dementia in care homes	This is a before-and-after survey of staff who received training.

### F.12.1.2 Quantitative evidence

Study	Reason for exclusion
Banks (2014) Enriching the care of patients with dementia in acute settings? The Dementia Champions Programme in Scotland	This is a before-and-after study, not a RCT.
Boettcher (2004) A System to Develop Staff Behaviors for Person-centered Care	This is a before-and-after study, not a RCT. The study does not report outcomes for people living with dementia or their carers.
Bourgeois (2004) Communication Skills Training for Nursing Aides of Residents with Dementia	The study does not report outcomes for people living with dementia or their carers.
Bouwen (2008) Rate of accidental falls in institutionalised older people with and without cognitive impairment halved as a result of staff-oriented intervention	Does not contain a population of people living with dementia
Burack (2012) The Impact of Culture Change on Elders' Behavioral Symptoms: A Longitudinal Study	This is a case-matched study, not a RCT.
Chang (2006) The Effect of A Feeding Skills Training Program for Nursing Assistants Who Feed Dementia Patients in Taiwanese Nursing Homes	This is a mirror publication of Chang (2005). This version is lacking the patient outcomes relevant for analysis. This study only measures the behaviour of the nursing assistants.
Charras (2013) Judging a Book by Its Cover: Uniforms and Quality of Life in Special Care Units for People With Dementia	This study does not include a staff training intervention
Chodosh (2006) Effect of a Dementia Care Management Intervention on Primary Care Provider Knowledge, Attitudes, and Perceptions of Quality of Care	The study does not report outcomes for people living with dementia or their carers.
Cohen-Cole (1993) Psychiatric Education Improves Internists' Knowledge: A Three-Year Randomized, Controlled Evaluation	The study does not report outcomes for people living with dementia or their carers.
Crabtree (2010) Developing champions to enhance the care of people with dementia in general hospitals	This is a survey, not a RCT.
DeYoung (2002) Decreasing aggressive, agitated, or disruptive behaviour: Participation in a behaviour management unit	This is a non-randomised trial.
Dijkstra (2002) Effects of a communication intervention on the discourse of nursing home	The study does not report outcomes for people living with dementia or their carers.

Study	Reason for exclusion
residents with dementia and their nursing assistants	
Döpp (2013) Effectiveness of a multifaceted implementation strategy on physicians' referral behavior to an evidence-based psychosocial intervention in dementia: a cluster randomized controlled trial	The study does not report outcomes for people living with dementia or their carers.
Downs (2006) Effectiveness of educational interventions in improving detection and management of dementia in primary care: cluster randomised controlled study	The study does not report outcomes for people living with dementia or their carers.
Elvish (2014) 'Getting to Know Me': the development and evaluation of a training programme for enhancing skills in the care of people with dementia in general hospital settings	This is a before-and-after study, not a RCT.
Elvish (2014) 'Getting to Know Me': The second phase roll-out of a staff training programme for supporting people with dementia in general hospitals	This is a before-and-after study, not a RCT.
Fritsch (2009) Impact of TimeSlips, a creative expression intervention program, on nursing home residents with dementia and their caregivers	Not a randomised controlled trial
Fuchs-Lacelle (2008) Pain assessment as intervention: a study of older adults with severe dementia	Not a staff training intervention
Gozalo (2014) Effect of the bathing without a battle training intervention on bathing-associated physical and verbal outcomes in nursing home residents with dementia: a randomized crossover diffusion study	This study is a cluster randomised cross-over trial. Data for both groups were not collected before and after the first part of the cross-over.
Galvin (2010) "Dementia-friendly Hospitals: Care not Crisis" An Educational Program Designed to Improve the Care of the Hospitalized Patient With Dementia	This is a before-and-after study, not a RCT.
Gifford (1999) Improving Adherence to Dementia Guidelines through Education and Opinion Leaders A Randomized, Controlled Trial	The study does not report outcomes for people living with dementia or their carers.
Goyder (2012) Staff training using STAR: a pilot study in UK care homes	This is a before-and-after study, not a RCT.
Gulpers (2011) Belt restraint reduction in nursing homes: effects of a multicomponent intervention program	This is not a RCT – residential care homes were assigned to the intervention or control groups.
Gulpers (2011) Reduction of belt restraint use: long-term effects of the EXBELT intervention. Journal of the American Geriatrics Society	This is not a RCT – residential care homes were assigned to the intervention or control groups.
Haberstroh (2009) Evaluation eines Kommunikationstrainings für Altenpfleger in der stationären Betreuung demenzkranker Menschen (Tandem im Pflegeheim)	This study is written in German.
Haberstroh (2009) Development and evaluation of a training program for nursing	This study is written in German.

Study	Reason for exclusion
home professionals to improve communication in dementia care	
Hoeffler (2006) Assisting Cognitively Impaired Nursing Home Residents With Bathing: Effects of Two Bathing Interventions on Caregiving	The study does not report outcomes for people living with dementia or their carers.
Horner (2013) Description, and pilot evaluation, of novel staff education to improve care of confused older inpatients	This is a before-and-after study, not a RCT.
Holloway (1999) A Randomized Trial to Implement Practice Recommendations: Design and Methods of the Dementia Care Study	The study does not report outcomes for people living with dementia or their carers.
Iliffe (2010) Evidence-based interventions in dementia: A pragmatic cluster-randomised trial of an educational intervention to promote earlier recognition and response to dementia in primary care (EVIDEM-ED)	The study does not report outcomes for people living with dementia or their carers.
Jeon (2013) Care planning practices for behavioural and psychological symptoms of dementia in residential aged care: A pilot of an education toolkit informed by the Aged Care Funding Instrument	This is a before-and-after study, not a RCT.
Kovach (1999) Assessment and Treatment of Discomfort for People with Late-Stage Dementia	This is a before-and-after study, not a RCT.
Kovach (2006) Effects of the serial trial intervention on discomfort and behaviour of nursing home residents with dementia	Not a staff training intervention
Landreville (2005) A training program for managing agitation of residents in long-term care facilities	This is a before-and-after study, not a RCT.
Lyne (2006) Analysis of a care planning intervention for reducing depression in older people in residential care	This is a non-randomised, non-equivalent group study.
Matthews (1996) Effects of an environmental manipulation emphasizing client-centred care on agitation and sleep in dementia sufferers in a nursing home	This is a before-and-after study, not a RCT.
McPhail (2009) Improving outcomes for dementia care in acute aged care: Impact of an education programme	This is an observational study/survey, not a RCT.
Moniz-Cook (1998) Can staff training reduce behavioural problems in residential care for the elderly mentally ill?	This is a non-randomised cohort study.
Nayton (2014) Development of an Education Program to Improve Care of Patients With Dementia in an Acute Care Setting	This is an observational study/survey, not a RCT.
Oh (2005) Development and Analysis of the Effects of Caregiver Training Program on Aggressive Behavior in Elders with Cognitive Impairment	This is a non-randomised trial.

Study	Reason for exclusion
Palmer (2014) The Dementia Friendly Hospital Initiative Education Program for Acute Care Nurses and Staff	This is a before-and-after study, not a RCT.
Proctor (1999) Behavioural management in nursing and residential homes: a randomised controlled trial	Not a study in a population of people living with dementia
Rondeau (2008) General practice-based intervention for suspecting and detecting dementia in France	The study does not report outcomes for people living with dementia or their carers.
Schrijnemaekers (2002) Effects of emotion-oriented care on elderly people with cognitive impairment and behavioral problems	Not possible to extract usable data from the results as presented
Sidani (2009) Implementation of the abilities-focused approach to morning care of people with dementia by nursing staff	This is a before-and-after study, not a RCT.
Sidani (2012) Evaluating the effectiveness of the abilities-focused approach to morning care of people with dementia	This is a before-and-after study, not a RCT.
Smith (2005) Quality of residential care for older people: does education for healthcare assistants make a difference?	This is a before-and-after study, not a RCT.
Smythe (2014) Evaluation of dementia training for staff in acute hospital settings	This is a case-control study, not a RCT.
Sprangers (2015). Communication skills training in a nursing home: effects of a brief intervention on residents and nursing aides	The primary outcomes of this RCT are staff outcomes, not resident outcomes. The numbers of residents in the intervention and control groups are not given.
Surr (2016) Impact of a person-centred dementia care training programme on hospital staff attitudes, role efficacy and perceptions of caring for people with dementia: A repeated measures study	This is a before-and-after study, not a RCT.
Teodorczuk (2014) Learning about the Patient: an innovative interprofessional dementia and delirium education programme	This is a survey, not a RCT.
Teri (2005) STAR: A Dementia-Specific Training Program for Staff in Assisted Living Residences	Of the 120 residents who participated, 31 took part in the randomised part of this study. For the randomised part of the study, the numbers of residents in the intervention and control groups are not given. Therefore, the outcomes cannot be analysed to a RCT standard.
Van der Kooij (2013) The implementation of integrated emotion-oriented care: Did it actually change the attitude, skills and time spent of trained caregivers?	The study does not report outcomes for people living with dementia or their carers.
Vickrey (2006) The effect of a disease management intervention on quality and outcomes of dementia care	Not a staff training intervention, but included in the section on care planning and care co-ordination
Vollmar (2007) Multimodale Schulung von Hausärzten – Evaluation und Wissenszuwachs im Rahmen der Initiative Demenzversorgung in der Allgemeinmedizin (IDA)	This study is written in German, not English. The outcomes measured do not include the experiences and satisfaction of people living with dementia nor the experiences and satisfaction of their carers.
Vollmar (2007) Knowledge translation on dementia: a cluster randomized trial to	This is a study protocol.

Study	Reason for exclusion
compare a blended learning approach with a "classical" advanced training in GP quality circles	
Vollmar (2010) Knowledge transfer for the management of dementia: a cluster-randomised trial of blended learning in general practice	The study does not report outcomes for people living with dementia or their carers.
Waugh (2011) Improving the care of people with dementia in hospital	This is a survey, not a RCT.
Wells (2000) Effects of an abilities focussed program of morning care on residents who have dementia and on caregivers	This is not a RCT, it is a case-control study. Participants in the control group were selected.
Westmoreland (2010) Web-Based Training in Geriatrics for Medical Residents: A Randomized Controlled Trial Using Standardized Patients to Assess Outcomes	The study does not report outcomes for people living with dementia or their carers.
Wesson (2010) A dementia education scheme	This is a before-and-after audit of case notes, not a RCT.
Wilcock (2013) Tailored educational intervention for primary care to improve the management of dementia: the EVIDEM-ED cluster randomized controlled trial	The study does not report outcomes for people living with dementia or their carers.

## F.13 Needs of younger people living with dementia

### F.13.1 The specific needs of younger people living with dementia

#### Review question

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

Study	Reason for exclusion
Arntzen (2016) Tracing the successful incorporation of assistive technology into everyday life for younger people with dementia and family carers	Not a study conducted in the UK
Cations (2017) Why aren't people with young onset dementia and their supporters using formal services?	Not a study conducted in the UK
Diehl-Schmid (2017) A multi-center randomised controlled pilot study of an e-learning course for family caregivers of patients with young onset dementia	Abstract for a conference presentation
Drk (2016) RHAPSODY: a pilot study evaluating the usability and benefits of an online learning programme for carers of people with young onset dementia	Trial registration which does not provide results.
Green (2014) Carer support in young onset dementia: Research and planning of a group intervention	Quantitative survey of carers. There is no qualitative component in the study.
Greenwood (2016) The experiences of people with young-onset dementia: A meta-ethnographic review of the qualitative literature	Systematic review from which relevant references have been included as primary studies
Harris (2009) Selfhood in younger onset dementia: transitions and testimonies	Not a study conducted in the UK
Juckes-Hughes (2014) S.Y.D. - Service for younger people with dementia - Supporting the diagnosed, their families and beyond in North Wales	Abstract for a conference presentation
Mayrhofer (2017) Age-appropriate services for people diagnosed with young onset dementia (YOD): a systematic review	Systematic review from which relevant references have been included as primary studies
McCulloch (2016) Sustaining people with dementia or mild cognitive impairment in employment: A systematic review of qualitative evidence	Systematic review from which relevant references have been included as primary studies
Millenaar (2016) The care needs and experiences with the use of services of people with young-onset dementia and their caregivers: a systematic review	Systematic review from which relevant references have been included as primary studies
Millenaar (2017) Determinants of quality of life in young onset dementia – results from a European multicenter assessment	Quantitative study with no qualitative component
Ogo (2016) Young onset dementia service provision and its effect on service users and family members	Opinion article
Parkes (2014) The Forget-me-nots: Developing a social group for people with young onset dementia and their carers	Abstract for a conference presentation
Regan Jemma L (2016) Ethnic minority, young onset, rare dementia type, depression: A case study of a Muslim male accessing UK dementia health and social care services.	Case study
Roach (2008) Subjective experiences of younger people with dementia and their families: implications for UK research, policy and practice	Systematic review from which relevant references have been included as primary studies

Study	Reason for exclusion
Roach (2012) 'It's easier just to separate them': practice constructions in the mental health care and support of younger people with dementia and their families	This is a qualitative study of the opinions of health and social care staff. It does not have any opinions from younger people living with dementia or their carers
Richardson (2016) Psychosocial interventions for people with young onset dementia and their carers: A systematic review	Systematic review from which relevant references have been included as primary studies

## F.14 Assessing and managing comorbidities

### F.14.1 Assessing and treating intercurrent illness in people living with dementia

- 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?
- 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?

#### F.14.1.1 Assessment of intercurrent illness

Author and year	Title	Exclusion reasons
Ando (2010)	Development of the Japanese DOLOPLUS-2: a pain assessment scale for the elderly with Alzheimer's disease	Comparators are not of interest (compares statistical methods for analysis)
Andrade (2011)	The assessment and management of pain in the demented and non-demented elderly patient	Narrative review only
Apinis (2014)	Can adding a standardized observational tool to interdisciplinary evaluation enhance the detection of pain in older adults with cognitive impairments?	Not dementia v non dementia
Beach (2015)	Autonomic, Behavioral, and Subjective Pain Responses in Alzheimer's Disease	Not outcomes of interest
Beauchet (2008)	Gait analysis in demented subjects: Interests and perspectives	Narrative review
Bellelli (2014)	Validation of the 4AT, a new instrument for rapid delirium screening: a study in 234 hospitalised older people.[Erratum appears in Age Ageing. 2015 Jan;44(1):175], [Erratum appears in Age Ageing. 2015 Jan;44(1):175; PMID: 25477307]	Non dementia specific population
Bellelli (2014)	Validation of the 4AT, a new instrument for rapid delirium screening: a study in 234 hospitalised older people	Non dementia specific population
Bjoro (2008)	Assessment of pain in the nonverbal or cognitively impaired older adult	Narrative review article
Blomqvist (2001)	Recognising pain in older adults living in sheltered accommodation: the views of nurses and older adults	Does not provide relevant outcomes (interpretations of pain/ perceiving pain)
Bridenbaugh (2011)	Laboratory review: The role of gait analysis in seniors' mobility and fall prevention	Review article (including a case report)
Brody (1984)	Predictors of falls among institutionalized women with Alzheimer's disease	Does not provide appropriate comparisons
Brown (2010)	Pain in communication impaired residents with dementia: Analysis of Resident Assessment Instrument (RAI) data	Does not compare cog impairment to cog intact



Author and year	Title	Exclusion reasons
Brozova (2011)	A sensitivity comparison of clinical tests for postural instability in patients with Huntington's disease	Exclude on comparator
Burfeild (2014)	Assessing pain and falls risk in residents with cognitive impairment: Associated problems with overlooked assessments	Narrative review
Busse (2009)	Mobility and falls in people with Huntington's disease	Exclude on comparator
Cabassa (2011)	Pain assessment in patients with advanced dementia: A pilot study	Dissertation only
Carezzato (2014)	Instruments for assessing pain in persons with severe dementia	Narrative review
Cervo (2012)	The Role of the CNA Pain Assessment Tool (CPAT) in the Pain Management of Nursing Home Residents with Dementia	Not comparators of interest
Chan (2014)	Evidence-based development and initial validation of the pain assessment checklist for seniors with limited ability to communicate-II (PACSLAC-II)	Full text copy not available.
Chang (2011)	Concept Analysis of Nurses' Identification of Pain in Demented Patients in a Nursing Home: Development of a Hybrid Model	Does not provide outcomes of interest
Chen (2008)	Pain in elderly people with dementia	Article in Chinese
Chen (2010)	Evaluation of the psychometric properties and the clinical feasibility of a Chinese version of the Doloplus-2 scale among cognitively impaired older people with communication difficulty	Not comparators of interest
Chen (2010)	Validating nurses' and nursing assistants' report of assessing pain in older people with dementia	Not comparators of interest
Chen (2011)	Assessment of fall risk in community-dwelling older persons	Dissertation only
Chen (2015)	Effects of the pain recognition and treatment protocol on reducing expression of pain among institutionalized residents with dementia	Conference abstract
Cohen-Mansfield (2002)	Relatives' assessment of pain in cognitively impaired nursing home residents	Not comparing dementia v non dementia
Cohen-Mansfield (2002)	Pain in cognitively impaired nursing home residents: how well are physicians diagnosing it?	Not dementia v non dementia
Cohen-Mansfield (2006)	Pain Assessment in Noncommunicative Elderly persons--PAINE.[Erratum appears in Clin J Pain. 2007 May;23(4):381]	Does not compare dementia v non dementia
Cohen-Mansfield (2008)	The utility of pain assessment for analgesic use in persons with dementia	Does not look at people with dementia versus non dementia

Author and year	Title	Exclusion reasons
Cole (2002)	Systematic detection and multidisciplinary care of delirium in older medical inpatients: a randomized trial	Doesn't compare people with dementia to non-dementia
Conn (2001)	Diagnosing and managing delirium in the elderly	Narrative review only
Corbett (2012)	Assessment and treatment of pain in people with dementia	Narrative review
Corbett (2013)	Erratum: Assessment and treatment of pain in people with dementia (Nature Reviews Neurology (2012) 8 (264-274) DOI: 10.1038/nrneurol.2012.53)	Exclude on evidence
Corbett (2014)	An international road map to improve pain assessment in people with impaired cognition: The development of the Pain Assessment in Impaired Cognition (PAIC) meta-tool	Not comparators of interest.
Culp (1997)	Screening for acute confusion in elderly long-term care residents	Not relevant comparators
D'Agata (2013)	Challenges in assessing nursing home residents with advanced dementia for suspected urinary tract infections	Not outcomes of interest
De (2015)	Delirium Screening: A Systematic Review of Delirium Screening Tools in Hospitalized Patients	Population is not dementia specific
de Jonghe (2005)	Delirium-O-Meter: a nurses' rating scale for monitoring delirium severity in geriatric patients	Population is not dementia specific
de Melo (2012)	Gait and risk of falls associated with frontal cognitive functions at different stages of Alzheimer's disease	Only considers people living with dementia and not those without dementia
de Rooij (2006)	Delirium subtype identification and the validation of the Delirium Rating Scale--Revised-98 (Dutch version) in hospitalized elderly patients	Non dementia specific population
Delbaere (2013)	Validation of the Iconographical Falls Efficacy Scale in cognitively impaired older people	Only considers people with dementia and not compared to those without dementia
Edelberg (2003)	Evaluation and Management of Fall Risk in the Older Adult	Narrative review
Edvardsson (2008)	The aged care pain chart: an innovative approach to assessing, managing and documenting pain in older people	Review article only
Epps (2001)	Recognizing pain in the institutionalized elder with dementia	Review article only
Eriksson (2009)	Comparison of three statistical methods for analysis of fall predictors in people with dementia: Negative binomial regression (NBR), regression tree (RT), and partial least squares regression (PLSR)	Not comparators of interest (only statistical methods for analysis)
Ersek (2010)	Comparing the psychometric properties of the Checklist of Nonverbal Pain	Not dementia v non dementia

Author and year	Title	Exclusion reasons
	Behaviors (CNPI) and the Pain Assessment in Advanced Dementia (PAIN-AD) instruments	
Ersek (2011)	Development of a composite pain measure for persons with advanced dementia: exploratory analyses in self-reporting nursing home residents	Not dementia v non dementia
Fick (2011)	Computerized Decision Support for Delirium Superimposed on Dementia in Older Adults	Does not compare dementia to non-dementia
Frampton (2003)	Experience assessment and management of pain in people with dementia	Narrative review
French (2007)	A multivariate fall risk assessment model for VHA nursing homes using the minimum data set	Non dementia specific population
Fuchs-Lacelle (2008)	Pain assessment as intervention: a study of older adults with severe dementia	Not dementia v non dementia
Gabre (2002)	Experience and assessment of pain in individuals with cognitive impairments	Narrative review
Gietzelt (2014)	A prospective field study for sensor-based identification of fall risk in older people with dementia	Not dementia v non dementia
Giladi (2006)	"Brain Screen": A self-referral, screening program for strokes, falls and dementia risk factors	Population is not dementia specific
Gillain (2009)	The value of instrumental gait analysis in elderly healthy, MCI or Alzheimer's disease subjects and a comparison with other clinical tests used in single and dual-task conditions	Gait analysis only
Gor-Garcia-Fogeda (2016)	Observational Gait Assessments in People With Neurological Disorders: A Systematic Review	Non dementia target groups
Gregory (2014)	THE BOLTON PAIN ASSESSMENT TOOL: DEVISING AND IMPLEMENTING A PAIN ASSESSMENT TOOL FOR PATIENTS UNABLE TO COMMUNICATE	Abstract only
Gschwind (2015)	ICT-based system to predict and prevent falls (iStoppFalls): results from an international multicenter randomized controlled trial	Non dementia specific population
Hadjistavropoulos (2014)	Pain assessment in elderly adults with dementia	Narrative review
Hauer (2011)	Validity and sensitivity to change of the falls efficacy scales international to assess fear of falling in older adults with and without cognitive impairment	Intervention is a fear of falling scale not assessment of falls risk scale
Helmes (1987)	Standardization and validation of the Multidimensional Observation Scale for Elderly Subjects (MOSES)	Non dementia specific population

Author and year	Title	Exclusion reasons
Herr (2001)	Assessment and measurement of pain in older adults	Narrative review
Herr (2006)	Tools for assessment of pain in nonverbal older adults with dementia: a state-of-the-science review	Doesn't compare people with dementia to non-dementia
Horgas (2004)	Pain assessment and management in persons with dementia	Review article only
Huffman (2000)	Assessment and understanding of pain in patients with dementia	Narrative review
Husebo (2010)	Pain in older persons with severe dementia. Psychometric properties of the Mobilization-Observation-Behaviour-Intensity-Dementia (MOBID-2) Pain Scale in a clinical setting	Doesn't compare people with dementia to non-dementia
Husebo (2012)	Pain assessment and treatment challenges in patients with dementia	Review article
Husebo (2012)	Pain in patients with dementia: A review of pain assessment and treatment challenges	Review article
Husebo (2014)	The MOBID-2 pain scale: reliability and responsiveness to pain in patients with dementia	Not outcomes of interest
Inouye (2003)	Burden of illness score for elderly persons: risk adjustment incorporating the cumulative impact of diseases, physiologic abnormalities, and functional impairments.[Erratum appears in Med Care. 2003 Mar;41(3):446]	Unable to sub analyse by dementia population
Jensen (2003)	Fall and Injury Prevention in Residential Care--Effects in Residents with Higher and Lower Levels of Cognition	Not assessments
Kaasalainen (2007)	Pain assessment in older adults with dementia: using behavioral observation methods in clinical practice	Full text article unavailable
Kaasalainen (2013)	A comparison between behavioral and verbal report pain assessment tools for use with residents in long term care	Unable to sub-analyse by group with dementia
Kamel (2001)	Utilizing pain assessment scales increases the frequency of diagnosing pain among elderly nursing home residents	Does not report on outcomes of interest
Kloos (2010)	Fall risk assessment using the Tinetti mobility test in individuals with Huntington's disease	Not people with Huntington's disease compared to those without
Krulewicz (2000)	Assessment of pain in cognitively impaired older adults: a comparison of pain assessment tools and their use by nonprofessional caregivers	Not outcomes of interest
Kunz (2007)	The facial expression of pain in patients with dementia	Exclude on outcomes

Author and year	Title	Exclusion reasons
Laguna-Parras (2010)	Effectiveness of interventions for prevention falls in the elderly: systematic review	Article in Spanish
Lautenbacher (2013)	Decoding Pain from the Facial Display of Patients with Dementia: A Comparison of Professional and Nonprofessional Observers	Population is non dementia (caregivers & health professionals only)
Lichtner (2014)	Pain assessment for people with dementia: a systematic review of systematic reviews of pain assessment tools	All relevant studies previously identified
Lints-Martindale (2012)	A comparative investigation of observational pain assessment tools for older adults with dementia	Doesn't compare people with dementia to non-dementia
Lord (2009)	Paramedic assessment of pain in the cognitively impaired adult patient	Doesn't have comparators of interest. Relevant papers already retrieved
Lukas (2012)	Pain and dementia: a diagnostic challenge	Literature review
Lukas (2013)	Self- and proxy report for the assessment of pain in patients with and without cognitive impairment: experiences gained in a geriatric hospital	Not comparators of interest
Lukas (2013)	Pain characteristics and pain control in European nursing homes: cross-sectional and longitudinal results from the Services and Health for Elderly in Long TERM care (SHELTER) study	Does not provide comparator/ outcomes of interest
McAuliffe (2009)	Pain assessment in older people with dementia: literature review	Narrative review
McGough (2013)	Functional mobility limitations and falls in assisted living residents with dementia: physical performance assessment and quantitative gait analysis	Doesn't compare people with dementia to no- dementia
Monroe (2014)	Pain reports and pain medication treatment in nursing home residents with and without dementia	Exclude on outcomes
Moraga (2007)	Acurate diagnosis of delirium in elderly patients	Narrative review
Morandi (2013)	"Tools to Detect Delirium Superimposed on Dementia: A Systematic Review": Erratum	Exclude on evidence
Morrison (2000)	A comparison of pain and its treatment in advanced dementia and cognitively intact patients with hip fracture	Does not report relevant outcomes
Nanda (2011)	Fall Risk Assessment in Geriatric-Psychiatric Inpatients to Lower Events (FRAGILE)	Non dementia specific population
Neville (2014)	A psychometric evaluation of three pain rating scales for people with moderate to severe dementia	Doesn't compare people with dementia to non-dementia

Author and year	Title	Exclusion reasons
Ngu (2015)	Pain Assessment Using Self-reported, Nurse-reported, and Observational Pain Assessment Tools among Older Individuals with Cognitive Impairment	Doesn't compare people with dementia to non-dementia
Park (2010)	A review of observational pain scales in nonverbal elderly with cognitive impairments	Narrative review
Pautex (2005)	Feasibility and reliability of four pain self-assessment scales and correlation with an observational rating scale in hospitalized elderly demented patients	Doesn't compare people with dementia to non-dementia
Pautex (2006)	Pain in severe dementia: self-assessment or observational scales?	Doesn't compare dementia and non-dementia
Pautex (2007)	Psychometric properties of the Doloplus-2 observational pain assessment scale and comparison to self-assessment in hospitalized elderly	Exclude on outcomes
Pettis (2007)	Assessment of pain in residents with dementia: a key to providing quality care	Full text version not available
Pinto (2015)	Cultural adaptation and reproducibility validation of the Brazilian Portuguese version of the Pain Assessment in Advanced Dementia (PAINAD-Brazil) scale in non-verbal adult patients	Does not provide comparators of interest
Powers (2013)	Exploring the utility of ultra-brief delirium assessments in a nonintensive care geriatric population: the GEM study	Non-dementia specific population
Reuben (1995)	A randomized trial of comprehensive geriatric assessment in the care of hospitalized patients	Non-dementia specific population
Rhodijs-Meester (2013)	Development and validation of the Informant Assessment of Geriatric Delirium Scale (I-AGeD). Recognition of delirium in geriatric patients	Exclude on outcomes
Rockwood (1996)	Cross-validation of the Delirium Rating Scale in older patients	Not outcomes of interest
Russell (2008)	The reliability and predictive accuracy of the falls risk for older people in the community assessment (FROP-Com) tool	Non-dementia specific population
Scherder (2001)	Repeated pain assessment in Alzheimer's disease	Not outcomes of interest
Scherder (2003)	Pain assessment in patients with possible vascular dementia	Not outcomes of interest
Scherder (2005)	Pain in Alzheimer's disease: nursing assistants' and patients' evaluations	Doesn't compare people with dementia to non-dementia
Scherder (2012)	Assessment and management of pain, with particular emphasis on central neuropathic pain, in moderate to severe dementia	Narrative review

Author and year	Title	Exclusion reasons
Schoene (2011)	A novel video game--based device for measuring stepping performance and fall risk in older people	Non-dementia specific population
Schofield (2006)	Assessment of pain in older people. Where are we now and what needs to be done?	Literature review only
Schofield (2008)	Assessment and management of pain in older adults with dementia: a review of current practice and future directions	Narrative review
Schofield (2012)	A collaborative expert literature review of pain education, assessment and management	Guidelines only
Schuler (2007)	Psychometric properties of the German "Pain Assessment in Advanced Dementia Scale" (PAINAD-G) in nursing home residents	Comparators are not of interest (German v English translation/ use of PAINAD scale)
Schwemmer (2000)	How urine analysis reflects oxidative stress - Nitrotyrosine as a potential marker	Non-dementia population
Schwenk (2014)	Sensor-derived physical activity parameters can predict future falls in people with dementia	Doesn't compare people with dementia to non-dementia
Shega (2007)	Pain in persons with dementia: complex, common, and challenging	Review paper and case study only
Sheu (2011)	Pain in the elderly: validity of facial expression components of observational measures	Not dementia specific population
Siok (2012)	The psychometric properties, feasibility and utility of behavioural-observation methods in pain assessment of cognitively impaired elderly people in acute and long-term care: A systematic review	Full text version not available
Smith (2005)	Pain assessment in nonverbal older adults with advanced dementia	Literature review only
Snow (2004)	A conceptual model of pain assessment for noncommunicative persons with dementia	Review article
Somes (2013)	Pain assessment in the cognitively impaired or demented older adult	Narrative review
Steis (2009)	Nurse recognition of delirium superimposed on dementia in hospitalized older adults	Does not provide comparators/ outcomes of interest
Sterke (2010)	Is the Tinetti Performance Oriented Mobility Assessment (POMA) a feasible and valid predictor of short-term fall risk in nursing home residents with dementia?	Doesn't compare people with dementia to non-dementia
Tait (2008)	Under-Treatment of Pain in Dementia: Assessment is Key	Narrative review
Thuathail (2011)	Pain assessment tools for older people with cognitive impairment	Narrative review only

Author and year	Title	Exclusion reasons
Trzepacz (2001)	Validation of the Delirium Rating Scale-revised-98: comparison with the delirium rating scale and the cognitive test for delirium.[Erratum appears in J Neuropsychiatry Clin Neurosci 2001 Summer;13(3):433]	Does not compare Dementia vs non-dementia
Tsai (2004)	Assessment of pain in elders with dementia	Narrative review
Van Der Steen (2015)	Tools to Assess Pain or Lack of Comfort in Dementia: A Content Analysis	Does not provide relevant outcomes/ comparators
Villanueva (2003)	Pain Assessment for the Dementing Elderly (PADE): reliability and validity of a new measure	Does not compare dementia to non-dementia
Wheeler (2006)	Pain assessment and management in the patient with mild to moderate cognitive impairment	Review paper only
While (2009)	Observational pain assessment scales for people with dementia: a review	Review article only
Woodford (2009)	Diagnosis and management of urinary tract infection in hospitalized older people	Narrative review
Zwakhaleh (2006)	The psychometric quality and clinical usefulness of three pain assessment tools for elderly people with dementia	Doesn't compare people with dementia to non-dementia
Zwakhaleh (2006)	Pain in elderly people with severe dementia: a systematic review of behavioural pain assessment tools	All relevant studies previously identified
Zwakhaleh (2007)	Improving the clinical usefulness of a behavioural pain scale for older people with dementia.[Erratum appears in J Adv Nurs. 2008 Sep;63(5):537]	Exclude on outcomes
Zwakhaleh (2008)	"Improving the clinical usefulness of a behavioural pain scale for older people with dementia": Corrigendum	Exclude on outcomes
Zwakhaleh (2012)	Systematic pain assessment using an observational scale in nursing home residents with dementia: exploring feasibility and applied interventions	Doesn't compare people with dementia to non-dementia
Zwakhaleh (2012)	Which score most likely represents pain on the observational PAINAD pain scale for patients with dementia?	Doesn't compare people with dementia to non-dementia

#### F.14.1.2 Management of intercurrent illness

Author and year	Title	Exclusion reasons
Achterberg (2013)	Pain management in patients with dementia	EXCLUDE on study type
Adamis (2007)	APOE and cytokines as biological markers for recovery of prevalent delirium in elderly medical inpatients	EXCLUDE on study population
Al-Aama (2011)	Melatonin decreases delirium in elderly patients: a randomized, placebo-	EXCLUDE on study population



Author and year	Title	Exclusion reasons
	controlled trial.[Erratum appears in Int J Geriatr Psychiatry. 2014 May;29(5):550]	
Anonymous (2011)	Alzheimer's drug proves ineffective for delirium	EXCLUDE on letter
Antai-Otong (2003)	Managing geriatric psychiatric emergencies: delirium and dementia	EXCLUDE on study type
Arle (2008)	Motor cortex stimulation for pain and movement disorders	EXCLUDE on study population
Barber (2009)	Treatment of chronic non-malignant pain in the elderly: safety considerations	EXCLUDE on study type
Barry (2015)	Pain in care home residents with dementia: An exploration of frequency, prescribing and relatives' perspectives	EXCLUDE on study type
Beauchet (2014)	Changes in gait variability with anti-dementia drugs: a systematic review and meta-analysis	EXCLUDE on intervention (effect of anti-dementia medication)
Beauchet (2015)	Anti-dementia drugs-related changes in gait performance while single and dual tasking in patients with Alzheimer disease: a meta-analysis	EXCLUDE on intervention (effect of anti-dementia medication)
Bee (2013)	Functional improvement in hospitalized older adults is independent of dementia diagnosis: experience of a specialized delirium management unit	EXCLUDE on study type
Bell (2001)	Cox-2 inhibitors and other nonsteroidal anti-inflammatory drugs in the treatment of pain in the elderly	EXCLUDE on study type
Ben-Itzhak (2008)	Can methylphenidate reduce fall risk in community-living older adults? A double-blind, single-dose cross-over study	EXCLUDE on study population
Bergstrom (2007)	Oral nutritional supplements during acute illness and recovery reduced non-elective hospital readmissions in older patients	EXCLUDE on study population
Birks (2003)	A multifactorial intervention after a fall did not prevent falls in elderly patients with cognitive impairment and dementia	EXCLUDE on secondary publication (no additional data)
Black (1985)	CSF shunts for dementia, incontinence, and gait disturbance	EXCLUDE on study type
Blum (2008)	The H-Wave device is an effective and safe non-pharmacological analgesic for chronic pain: a meta-analysis	EXCLUDE on study population
Boettger (2011)	Treatment characteristics of delirium superimposed on dementia	EXCLUDE on study type
Booth (2015)	Interventions incorporating physical and cognitive elements to reduce falls risk in cognitively impaired older adults: A systematic review protocol	EXCLUDE on study type
Breivik (2014)	A high-quality RCT documents that elderly with dementia, the most neglected pain patients, have effective and safe pain relief from paracetamol alone or with buprenorphine patch	EXCLUDE on secondary publication (no additional data)

Author and year	Title	Exclusion reasons
Briskman (2010)	Treating delirium in a general hospital: a descriptive study of prescribing patterns and outcomes	EXCLUDE on study type
Britton (2000)	Multidisciplinary team interventions for delirium in patients with chronic cognitive impairment	EXCLUDE on paper withdrawn
Britton (2006)	WITHDRAWN: Multidisciplinary team interventions for delirium in patients with chronic cognitive impairment	EXCLUDE on secondary publication (no additional data)
Brown (2002)	Systematic review of nursing management of urinary tract infections in the cognitively impaired elderly client in residential care: is there a hole in holistic care?	EXCLUDE on study type
Bruckenthal (2009)	Special issues in the management of chronic pain in older adults	EXCLUDE on study population
Brummel-Smith (2002)	Outcomes of Pain in Frail Older Adults With Dementia	EXCLUDE on study type
Bruneau (2014)	Barriers to the management of pain in dementia care	EXCLUDE on study type
Buffum (2000)	Pain management and behavioral outcomes in patients with dementia	EXCLUDE on trial record
Buffum (2002)	Pain management and behavioral outcomes in patients with dementia	EXCLUDE on trial record
Buffum (2007)	Cognitive impairment and pain management: review of issues and challenges	EXCLUDE on study type
Buffum (2009)	The role of family caregivers in pain management in patients with dementia	EXCLUDE on study type
Burriss (2004)	Pharmacologic approaches to geriatric pain management	EXCLUDE on study type
Burton (2015)	Effectiveness of exercise programs to reduce falls in older people with dementia living in the community: a systematic review and meta-analysis	EXCLUDE on review with no new information compared to included papers
Cali (2004)	Individualizing care for the senior with urologic problems	EXCLUDE on study type
Calvo-Perxas (2013)	Pain treatment and its cost in old people with dementia: a descriptive analysis from the Registry of Dementias of Girona (ReDeGi)	EXCLUDE on study type
Canavan (2009)	Managing gait disorders in older persons residing in nursing homes: a review of literature	EXCLUDE on study type
Cheong (2015)	Creative music therapy improves mood and engagement of older patients with delirium & dementia in an acute tertiary hospital	EXCLUDE on conference abstract
Chong (2015)	Identifying phenomenological differences and recovery of cognitive and non-cognitive symptomatology among delirium superimposed upon dementia	EXCLUDE on study type

Author and year	Title	Exclusion reasons
	patients (DsD) versus those without dementia (DaD) in an acute geriatric care setting	
Chrispal (2010)	The clinical profile and association of delirium in geriatric patients with hip fractures in a tertiary care hospital in India	EXCLUDE on study population
Conn (2001)	Diagnosing and managing delirium in the elderly	EXCLUDE on study population
Corbett (2014)	The importance of pain management in older people with dementia	EXCLUDE on no relevant outcomes
Cunningham (2006)	Managing pain in patients with dementia in hospital	EXCLUDE on study type
de Souto (2013)	Potential underuse of analgesics for recognized pain in nursing home residents with dementia: a cross-sectional study	EXCLUDE on study type
Demangeat (2009)	[Putting into place devices for prevention of falls at the hospital center at Haguenau]	EXCLUDE on language
Dufour (2015)	Survival after Suspected Urinary Tract Infection in Individuals with Advanced Dementia	EXCLUDE on study type
Edelberg (2003)	Evaluation and Management of Fall Risk in the Older Adult	EXCLUDE on study type
Edwards (2005)	Extending the science beyond medication: in response to "Treatment of chronic pain in persons with dementia: an overview" by Robert N. Rubey, MD, MA	EXCLUDE on letter
Eimar (2013)	Acetylcholinesterase inhibitors and healing of hip fracture in Alzheimer's disease patients: a retrospective cohort study	EXCLUDE on intervention (effect of anti-dementia medication)
Elliott (2009)	Effects of an analgesic trial in reducing pain behaviors in community-dwelling older adults with dementia	EXCLUDE on study type
Esparcia (2014)	Influence of inadequate antimicrobial therapy on prognosis in elderly patients with severe urinary tract infections	EXCLUDE on study type
Fairhall (2014)	Effect of a multifactorial, interdisciplinary intervention on risk factors for falls and fall rate in frail older people: a randomised controlled trial	EXCLUDE on study protocol
Feltrin (2013)	Educational care-giver intervention in the multicomponent intervention strategy model (MIS) for delirium nursing in the inpatient elderly	EXCLUDE on language
Fick (2005)	Delirium superimposed on dementia in a community-dwelling managed care population: A 3-year retrospective study of occurrence, costs, and utilization	EXCLUDE on study type

Author and year	Title	Exclusion reasons
Fick (2006)	Delirium superimposed on dementia: A review of occurrence and outcomes	EXCLUDE on no relevant outcomes
Flo (2014)	Effective pain management in patients with dementia: benefits beyond pain?	EXCLUDE on study type
Fong (2006)	The role of postoperative analgesia in delirium and cognitive decline in elderly patients: A systematic review	EXCLUDE on study population
Frampton (2003)	Experience assessment and management of pain in people with dementia	EXCLUDE on study type
Garfinkel (2008)	High efficacy for hip protectors in the prevention of hip fractures among elderly people with dementia	EXCLUDE on study type
Gibson (1998)	Improving pain control for the elderly patient with dementia	EXCLUDE on study type
Gillespie (2012)	Interventions for preventing falls in older people living in the community	EXCLUDE on study population
Ginsberg (2004)	Donepezil Treatment of Postoperative Delirium	EXCLUDE on letter
Greater functional decline... (2008)	Greater functional decline with dual use of bladder anticholinergics and ChEIs...cholinesterase inhibitors	EXCLUDE on intervention (effect of anti-dementia medication)
Gustafson (2012)	Outcomes of hip fractures: Rehabilitation programmes: Comprehensive Geriatric Assessment and Rehabilitation-a prerequisite for successful treatment of people who have suffered a hip-fracture	EXCLUDE on conference abstract
Haasum (2011)	Pain treatment in elderly persons with and without dementia: a population-based study of institutionalized and home-dwelling elderly	EXCLUDE on study type
Hageman (2002)	Gait performance in dementia: the effects of a 6-week resistance training program in an adult day-care setting	EXCLUDE on study type
Hamrick (2013)	Perioperative management of delirium and dementia in the geriatric surgical patient	EXCLUDE on study type
Hauer (2006)	Effectiveness of physical training on motor performance and fall prevention in cognitively impaired older persons: A systematic review	EXCLUDE on review with no new information compared to included papers
Hausum (2011)	Pain Treatment in Elderly Persons With and Without Dementia	EXCLUDE on study type
Health (2008)	Prevention of falls and fall-related injuries in community-dwelling seniors: an evidence-based analysis	EXCLUDE on study population
Hill (2009)	Effectiveness of balance training exercise in people with mild to moderate severity Alzheimer's disease: protocol for a randomised trial	EXCLUDE on study protocol

Author and year	Title	Exclusion reasons
Hill (2015)	Individualized home-based exercise programs for older people to reduce falls and improve physical performance: A systematic review and meta-analysis	EXCLUDE on study population
Horgas (2004)	Pain assessment and management in persons with dementia	EXCLUDE on study type
Hunt (2015)	Pain in Community-Dwelling Older Adults with Dementia: Results from the National Health and Aging Trends Study	EXCLUDE on study type
Husebo (2008)	Who suffers most? Dementia and pain in nursing home patients: a cross-sectional study	EXCLUDE on study type
Ismail (2015)	Associations of medical comorbidity, psychosis, pain, and capacity with psychiatric hospital length of stay in geriatric inpatients with and without dementia	EXCLUDE on study type
Jensen (2011)	Effectiveness of interventions to prevent falls in people with Alzheimer's disease and related dementias	EXCLUDE on study type Review of non-RCT evidence
Jordan (2012)	Pain and distress in advanced dementia: choosing the right tools for the job	EXCLUDE on study type
Kim (2011)	Dementia medications and risk of falls, syncope, and related adverse events: meta-analysis of randomized controlled trials	EXCLUDE on intervention (effect of anti-dementia medication)
Kolanowski (2013)	Delirium superimposed on dementia: Some preliminary findings	EXCLUDE on conference abstract
Kolanowski (2014)	Patient/family-centered outcomes of a non-pharmacological delirium intervention	EXCLUDE on conference abstract
Kwok (2008)	Vitamin B12 supplementation did not improve cognition but reduced delirium in demented patients with vitamin B12 deficiency	EXCLUDE on intervention (effect of anti-dementia medication)
Laguna-Parras (2010)	Effectiveness of interventions for prevention falls in the elderly: systematic review	EXCLUDE on language
Lam (2014)	Prospective observational study of delirium recovery trajectories and associated short-term outcomes in older adults admitted to a specialized delirium unit	EXCLUDE on study type
Liu (2014)	Implementation of observational pain management protocol to improve pain management for long-term institutionalized older care residents with dementia: study protocol for a cluster-randomized controlled trial	EXCLUDE on study protocol
Lukas (2013)	Treatment of pain in European nursing homes: results from the Services and Health for Elderly in Long TERM Care (SHELTER) study	EXCLUDE on study population

Author and year	Title	Exclusion reasons
Luo (2011)	Physical restraint use and falls in nursing homes: a comparison between residents with and without dementia	EXCLUDE on study type
Martin (2005)	An evaluation of the feasibility and effectiveness of strategies to reduce falling and fractures in older people with cognitive impairment and dementia in care homes	EXCLUDE on study type
Meyer (2015)	Translating Falls Prevention Knowledge to Community-Dwelling Older PLWD: A Mixed-Method Systematic Review	EXCLUDE on study type
Montero-Odasso (2015)	Donepezil improves gait performance in older adults with mild Alzheimer's disease: a phase II clinical trial	EXCLUDE on intervention (effect of anti-dementia medication)
Moon (2012)	Decreasing fall risk in older adults with nutritional intervention	EXCLUDE on study population
Morrison (2000)	A comparison of pain and its treatment in advanced dementia and cognitively intact patients with hip fracture	EXCLUDE on study type
Park (2010)	Effect of music on pain for home-dwelling persons with dementia	EXCLUDE on study type
Pautex (2009)	Improving pain management in elderly patients with dementia: validation of the Doloshort observational pain assessment scale	EXCLUDE on letter
Pedroso (2012)	Balance, executive functions and falls in elderly with Alzheimer's disease (AD): a longitudinal study	EXCLUDE on study type
Pickering (2000)	Pain and Alzheimer's disease	EXCLUDE on study type
Pickering (2006)	Acute versus chronic pain treatment in Alzheimer's disease	EXCLUDE on study type
Pickering (2012)	Analgesic use in the older person	EXCLUDE on study type
Pieper (2011)	The implementation of the serial trial intervention for pain and challenging behaviour in advanced dementia patients (STA OP!): a clustered randomized controlled trial	EXCLUDE on secondary publication (no additional data)
Pitkala (2006)	Multicomponent geriatric intervention for elderly inpatients with delirium: a randomized, controlled trial	EXCLUDE on study population
Pitkala (2007)	Managing delirium in hospitalized elderly patients	EXCLUDE on study type
Pompeu (2011)	Balance improvement in elderly after motor and cognitive training	EXCLUDE on conference abstract
Porter (1996)	Dementia and response to pain in the elderly	EXCLUDE on study type
Rantala (2014)	Analgesics in postoperative care in hip fracture patients with dementia - reported by nurses	EXCLUDE on study type

Author and year	Title	Exclusion reasons
Rantala (2014)	Barriers to postoperative pain management in hip fracture patients with dementia as evaluated by nursing staff	EXCLUDE on study type
Rathier (2011)	A review of recent clinical trials and guidelines on the prevention and management of delirium in hospitalized older patients	EXCLUDE on study population
Reynolds (1999)	Analysis of gait abnormalities in Huntington disease	EXCLUDE on study type
Ries (2015)	Group Balance Training Specifically Designed for Individuals With Alzheimer Disease: Impact on Berg Balance Scale, Timed Up and Go, Gait Speed, and Mini-Mental Status Examination	EXCLUDE on study type
Sakamoto (2012)	Fall prevention using olfactory stimulation with lavender odor in elderly nursing home residents: a randomized controlled trial.[Erratum appears in J Am Geriatr Soc. 2012 Nov;60(11):2193]	EXCLUDE on study population
Sanders (2011)	Anticipating and managing postoperative delirium and cognitive decline in adults	EXCLUDE on study population
Saulnier (2012)	Assessment of an automated tele vigilance system on serious falls prevention in a dementia specialized care unit: The URCC	EXCLUDE on conference abstract
Savvas (2015)	Pain management in residential aged care facilities	EXCLUDE on study population
Scherder (2012)	Assessment and management of pain, with particular emphasis on central neuropathic pain, in moderate to severe dementia	EXCLUDE on study type
Shega (2006)	Management of noncancer pain in community-dwelling persons with dementia	EXCLUDE on study type
Slaughter (2011)	Mobility of Vulnerable Elders (MOVE): study protocol to evaluate the implementation and outcomes of a mobility intervention in long-term care facilities	EXCLUDE on study type
Smith (2015)	Enhanced rehabilitation and care models for adults with dementia following hip fracture surgery	EXCLUDE on paper covered by Cochrane review
Snow (2005)	Pain management in persons with dementia. BODIES mnemonic helps caregivers relay pain-related signs, symptoms to physicians and nursing staff	EXCLUDE on study type
Steinert (2009)	[Effects of a training of power and balance on the use of mechanical restraint among in-patients with dementia]	EXCLUDE on language
Taylor (2012)	Managing falls in older patients with cognitive impairment	EXCLUDE on study type

Author and year	Title	Exclusion reasons
Ter (1977)	A comparison of chlormethiazole and haloperidol in the treatment of elderly patients with confusion of organic and psychogenic origin: a double-blind crossover study	EXCLUDE on study population
Ushijima (2008)	Contribution of perospirone and risperidone to reduce delirium in senile patients	EXCLUDE on study population
Vlaeyen (2015)	Characteristics and effectiveness of fall prevention programs in nursing homes: A systematic review and meta-analysis of randomized controlled trials	EXCLUDE on study population
Wenger (2009)	A practice-based intervention to improve primary care for falls, urinary incontinence, and dementia	EXCLUDE on study population



### F.14.2 Management strategies for people living with dementia and co-existing physical long term conditions

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

Short Title	Title	New column
Abreu Da Silva (2012)	Nurses' interventions in the management of urinary incontinence in the elderly: an integrative review	Continenence EXCLUDE: Literature review: relevant studies identified
Ad (2008)	Clinical efficacy of Donepezil on self care ability in patients with both diabetes and Alzheimer's disease	Diabetes EXCLUDE: Ongoing trial directory information only
Alam (2014)	A nanotechnological approach to the management of Alzheimer disease and type 2 diabetes	Diabetes EXCLUDE: Review article only
Anderson (2011)	Co-morbidity and drug treatment in Alzheimer's disease. A cross sectional study of participants in the Dementia study in northern Norway	Hypertension EXCLUDE: Cross sectional study- Not relevant outcomes
Aronow (2010)	Why and how we should treat elderly patients with hypertension?	Hypertension EXCLUDE: Review paper
Ascher-Svanum (2015)	Cognitive and Functional Decline in Patients With Mild Alzheimer Dementia With or Without Comorbid Diabetes	Diabetes EXCLUDE: Not population of interest (considers people with mild AD and diabetes compared to those with AD only)
Baezner (2001)	Amantadine increases gait steadiness in frontal gait disorder due to subcortical vascular encephalopathy: a double-blind randomized placebo-controlled trial based on quantitative gait analysis	Recurrent falls (rehabilitation) EXCLUDE: Not population of interest - Does not specify if participants were fallers)
Barak (1996)	Inositol treatment of Alzheimer's disease: a double blind, cross-over placebo controlled trial	Diabetes EXCLUDE: Population not relevant (people with dementia and mild depression)
Baston (2014)	Postural strategies assessed with inertial sensors in healthy and parkinsonian subjects	Recurrent falls (rehabilitation) EXCLUDE: Not population of interest - Does not specify if participants were fallers)
Bedard (2015)	Systematic review of vision-related quality of life questionnaires for older institutionalised seniors with dementia	Sensory impairment EXCLUDE: Not appropriate intervention (includes a paper on vision related qol for people living with mild to moderate dementia but assesses use of questionnaire only)
Beishon (2014)	The evidence for treating hypertension in older people with dementia: a systematic review	Hypertension EXCLUDE: Predominantly considers progression of hypertension. Useful papers retrieved. Other studies may be relevant to progression question

Short Title	Title	New column
Bellew (2004)	Hypertension and the rate of cognitive decline in patients with dementia of the Alzheimer type	Hypertension EXCLUDE: Outcomes related to risk of increased cognitive decline in people with AD
Bergmann (2006)	Cardiac risk factors and potential treatments in Alzheimer's disease	Risk of CV disease EXCLUDE: Review paper. Considers risk of Cognitive impairment developing as a result of treatment
Blume (1992)	Treatment of chronic cerebrovascular disease in elderly patients with pentoxifylline	Risk of CV disease EXCLUDE: Pentoxifylline currently not recommended for peripheral arterial disease
Bonner (2013)	Care management for va patients with vascular risk factors and cognitive impairment: A randomized trial	Risk of CV disease EXCLUDE: Conference abstract only
Bordier (2014)	Update on cognitive decline and dementia in elderly patients with diabetes	Diabetes EXCLUDE: Narrative review
Bullock (2003)	Management of patients with Alzheimer's disease plus cerebrovascular disease: 12-month treatment with Galantamine	Risk of CV disease EXCLUDE: Open label trial considers treatment for dementia only and not to treat the comorbidity
Bulpitt (2001)	Treatment of hypertension in the elderly	Hypertension EXCLUDE: Review paper
Caldwell (2006)	Risk of cardiovascular events and celecoxib: A systematic review and meta-analysis	Risk of CV disease EXCLUDE: Not comparator of interest - comparator was use of COX2 inhibitor upon inhibition or progression of Alzheimer's disease
Campos-Juanatey (2015)	Assessment of the urodynamic diagnosis in patients with urinary incontinence associated with normal pressure hydrocephalus	Incontinence EXCLUDE: Not relevant outcomes
Chaiyawat (2010)	Quality of life, depression and dementia in randomized controlled trial of long-term home rehabilitation for ischemic stroke	Risk of CV disease EXCLUDE: Abstract only
Christofolletti (2008)	A controlled clinical trial on the effects of motor intervention on balance and cognition in institutionalized elderly patients with dementia	Recurrent falls (rehabilitation) EXCLUDE: Does not include a population of people living with dementia and a faller
Chung (2002)	Snoezelen for dementia	Sensory impairment EXCLUDE: Population does not include people with dementia and living with a comorbid sensory impairment. Paper possibly relevant to other reviews (non-pharma interventions for dementia)
Clair (2006)	The effect of rhythmic auditory stimulation (RAS) on gait characteristics of cadence,	Recurrent falls (rehabilitation) EXCLUDE: Not fall related but

Short Title	Title	New column
	velocity, and stride length in persons with late stage dementia	an intervention to assist in late stages of dementia
Clarfield (1999)	Antihypertensive treatment may have reduced the rate of dementia in older patients with isolated systolic hypertension	Hypertension EXCLUDE: (Not comparators of interest use of antihypertensive treatment and prevention of dementia. Based on SYST-EUR & did not recruit people with dementia diagnosis )
Coca (2013)	Hypertension and vascular dementia in the elderly: the potential role of anti-hypertensive agents	Hypertension EXCLUDE: narrative review (lists cohort studies previously identified)
Cocks (2010)	The thiazolidinedione pioglitazone increases cholesterol biosynthetic gene expression in primary cortical neurons by a PPARgamma-independent mechanism	Diabetes EXCLUDE: Summaries findings of a trial - not outcomes of interest
Coggrave (2014)	Management of faecal incontinence and constipation in adults with central neurological diseases	Incontinence EXCLUDE: Not population of interest
Cohen (2003)	Long-term citicoline (cytidine diphosphate choline) use in patients with vascular dementia: neuroimaging and neuropsychological outcomes	Risk of CV disease EXCLUDE: Not population of interest (people with VaD not to treat people with a comorbidity of dementia)
Cooper (2011)	Therapeutic potential of copper chelation with triethylenetetramine in managing diabetes mellitus and Alzheimer's disease	Diabetes EXCLUDE: review article only
Cucinotta (1987)	[Efficacy and tolerance of long-term naftidrofuryl treatment of patients with senile dementia. Controlled study versus placebo]	Risk of CV disease EXCLUDE: Article in Spanish
Davies (2011)	Associations of anti-hypertensive treatments with Alzheimer's disease, vascular dementia, and other dementias	Hypertension EXCLUDE: Not outcomes of interest - Looks at progression/ onset of AD
Drennan (2012)	Conservative interventions for incontinence in people with dementia or cognitive impairment, living at home: a systematic review	Incontinence EXCLUDE: Ordered all relevant papers for consideration
Di Bari (2001)	Dementia and disability outcomes in large hypertension trials: lessons learned from the systolic hypertension in the elderly program (SHEP) trial	Hypertension EXCLUDE: Not relevant outcomes/ comparators (Analysis based on SHEP trial - included participants without dementia. Compares influence of differential drop out on cognitive and functional outcomes)
Durrant (2005)	Analysis of counted behaviors in a single-subject design: modeling of hearing-aid intervention in hearing-impaired patients with Alzheimer's disease	Sensory impairment EXCLUDE: Doesn't contain relevant outcomes

Short Title	Title	New column
Eustice (2009)	Prompted voiding for the management of urinary incontinence in adults	Incontinence EXCLUDE: not directly relevant but potentially useful papers ordered
Fillit (2008)	Cardiovascular risk factors and dementia	Risk of CV disease EXCLUDE: Not population of interest. Looks at onset/ progression of dementia in non-dementia populations
Gao (2013)	Effects of centrally acting ACE inhibitors on the rate of cognitive decline in dementia	Risk of CV disease EXCLUDE: Not comparators of interest (looks at treatment options for dementia not hypertension or risk of CVD)
Gippert (1981)	Symptomatic bacteriuria in non-catheterized geriatric patients with urinary incontinence ; the effect of short term treatment with pevmicillinam	Incontinence EXCLUDE: Not dementia specific population
Gitlin (1993)	Expanding caregiver ability to use environmental solutions for problems of bathing and incontinence in the elderly with dementia	Incontinence EXCLUDE: Not outcomes of interest
Goodman (2014)	Managing Fsecal incontinence in people with advanced dementia resident in care homes (FINCH study)	Incontinence EXCLUDE: Protocol only- trial not yet published
Goodman (2015)	Reducing and managing faecal incontinence in people with advanced dementia who are resident in care homes	Incontinence EXCLUDE: Protocol only- trial not yet published
Grant (2013)	First diagnosis and management of of incontinence in older people with and without dementia in primary care	Incontinence EXCLUDE: observational analysis- not relevant outcomes
Griffiths (1998)	Clinical studies of cerebral and urinary tract function in elderly people with urinary incontinence	Incontinence EXCLUDE: Does not provide relevant outcomes or subanalyse by dementia population
Hagglund (2010)	A systematic review of incontinence care for persons with dementia	Incontinence EXCLUDE: Literature review looking at evidence based recommendations only
Hajjar (2012)	Effect of antihypertensive therapy on cognitive function in early executive cognitive impairment: A double-blind randomized clinical trial	Hypertension EXCLUDE: people with a formal diagnosis of dementia were excluded from the trial
Heran (2009)	Blood pressure lowering efficacy of angiotensin converting enzyme (ACE) inhibitors for primary hypertension	Hypertension EXCLUDE: Not population with dementia and coexisting hypertension
Hestad (2006)	Antihypertensive medication is associated with less cognitive impairment in the very old with apolipoprotein-E epsilon4 allele	Hypertension EXCLUDE: Not comparator of

Short Title	Title	New column
		interest (considers relevance of incidence of dementia only)
Holinski (2008)	Cerebroprotective effect of piracetam in patients undergoing coronary bypass surgery	Risk of CV disease EXCLUDE: Population does not distinguish between people with pre-existing dementia or non-dementia groups)
Hughes (2016) 35	Hypertension and Its Role in Cognitive Function: Current Evidence and Challenges for the Future	Hypertension EXCLUDE: Narrative review
Igase (2012)	The Association between Hypertension and Dementia in the Elderly	Hypertension EXCLUDE (not comparators of interest - use of hypertension medication and incidence or prevention of dementia)
Ingelgard (2006)	What are the barriers to warfarin use in atrial fibrillation?: Development of a questionnaire	Risk of CV disease EXCLUDE: Wrong population and outcomes are irrelevant
Is antihypertensive... (2008)	Is antihypertensive treatment for incident dementia effective?	Hypertension EXCLUDE: Review article-secondary write up of the HYVET trial (people with dementia at baseline were excluded from participation)
Jamsen (2015)	Surgical outcomes of hip and knee arthroplasties for primary osteoarthritis in patients with Alzheimer's disease: a nationwide registry-based case-controlled study	Recurrent falls (rehabilitation) EXCLUDE: Not a rehabilitation intervention for fallers with AD
Jansen (1985)	The treatment of senile dementia associated with cerebrovascular insufficiency: a comparative study of buflomedil and dihydrogenated ergot alkaloids	Risk of CV disease EXCLUDE: Use of Buflomedil has been suspended
Jewart (2005)	Cognitive, behavioural and physiological changes in Alzheimer's disease patients as a function of incontinence medication s	Incontinence EXCLUDE: does not provide relevant outcomes
Johnson (2008)	A prospective study of the effect of hypertension and baseline blood pressure on cognitive decline and dementia in postmenopausal women: the Women's Health Initiative Memory Study	Hypertension EXCLUDE: Not comparators of interest. (Use of hypertensive medicines and incidence of dementia)
Jones (2008)	The Atorvastatin/Donepezil in Alzheimer's Disease Study (LEADe): Design and baseline characteristics**Roy W. Jones and Miia Kivipelto contributed equally to the content of the manuscript	Risk of CV disease EXCLUDE: Baseline information and protocol only
Kanmanthareddy (2014)	The impact of atrial fibrillation and its treatment on dementia	Risk of CV disease EXCLUDE: Review paper only

Short Title	Title	New column
Kay (2005)	Antimuscarinic drugs for overactive bladder and their potential effects on cognitive function in older patients	Continence EXCLUDE: Narrative review
Kay (2008)	Preserving cognitive function for patients with overactive bladder: Evidence for a differential effect with darifenacin	Continence EXCLUDE: Does not include population with dementia
Kennelly (2011)	Demonstration of safety in Alzheimer's patients for intervention with an anti-hypertensive drug Nilvadipine: results from a 6-week open label study	Hypertension EXCLUDE: Population is people with AD only (not with a comorbidity)
Koekkoek (2015)	Cognitive function in patients with diabetes mellitus: guidance for daily care	Diabetes EXCLUDE: Review article. Doesn't explore relevant comparators
Kravitz (2013)	Type 2 diabetes and cognitive compromise: potential roles of diabetes-related therapies	Diabetes EXCLUDE: Review article only
Levi (2013)	Antihypertensive classes, cognitive decline and incidence of dementia: a network meta-analysis	Hypertension EXCLUDE: Not comparators of interest (use of hypertensive drugs and incidence or prevention of dementia) Useful trials already retrieved
Li (2014)	Diabetes mellitus and dementia - a systematic review and meta-analysis	Diabetes EXCLUDE: considers the risk of dementia developing as a result of hypertensive treatment
Ligthart (2010)	Treatment of cardiovascular risk factors to prevent cognitive decline and dementia: a systematic review	Risk of CV disease EXCLUDE: Not comparators of interest (article reviews studies that consider the treatment of CV risk factors upon prevention of dementia or cognitive decline)
Mandas (2014)	Cognitive impairment and age-related vision disorders: Their possible relationship and the evaluation of the use of aspirin and statins in a 65 years-and-over Sardinian population	Sensory impairment EXCLUDE: Not comparator of interest (only compares incidence of dementia to presence of vision disorder)
Monreal (1994)	Comparison of subcutaneous unfractionated heparin with a low molecular weight heparin (Fragmin) in patients with venous thromboembolism and contraindications to coumarin	Risk of CV disease EXCLUDE: Non dementia population
Moonen (2015)	Effect of discontinuation of antihypertensive treatment in elderly people on cognitive functioning-the DANTE Study Leiden: A randomized clinical trial	Hypertension EXCLUDE: Population have MCI
Morich (1996)	Nimodipine in the treatment of probable Alzheimer's disease	Hypertension EXCLUDE: treatment for symptoms of  AD only not a treatment for comorbidity

Short Title	Title	New column
Murao (2013)	Does pre-existing cognitive impairment no-dementia influence the outcome of patients treated by intravenous thrombolysis for cerebral ischaemia?	Risk of CV disease EXCLUDE: Letter
Muther (2010)	Are patients with dementia treated as well as patients without dementia for hypertension, diabetes, and hyperlipidaemia?	Hypertension EXCLUDEE: Not relevant outcomes
Nasr (2015)	In-hospital outcomes of thrombolysis in dementia patients with ischemic strokes	Risk of CV disease EXCLUDE: conference abstract
Nesti (2014)	Tolerability of ambulatory blood pressure monitoring (ABPM) in cognitively impaired elderly	Hypertension EXCLUDE: Population includes both normotensive and hypertensive patients with cognitive impairment (no subgroup analysis to distinguish results)
Nunez (2012)	Venous thromboembolism in immobilized patients with dementia. Findings from the RIETE registry	Cardiovascular disease EXCLUDE: chart review- not directly relevant outcomes
Oefelein (2011)	Safety and tolerability profiles of anticholinergic agents used for the treatment of overactive bladder	Continence EXCLUDE: Review paper only
Ohrui (2004)	Effects of brain-penetrating ACE inhibitors on Alzheimers disease progression	Cardiovascular disease EXCLUDE: Not relevant outcomes looks at progression of AD
Ouslander (1988)	Habit training and oxybutynin for incontinence in nursing home patients	Incontinence EXCLUDE: not population with dementia
Pantoni (2005)	Efficacy and safety of nimodipine in subcortical vasculatr dementia	Hypertension EXCLUDE: treatment for symptoms of dementia only
Parsons (2016)	The effect of antihypertensive treatment on the incidence of stroke and cognitive decline in the elderly: a meta-analysis	Hypertension EXCLUDE: Not appropriate comparator -Objective to compare effects of bp lowering on prevention of dementia
Perez-Barcena (2008)	Pentobarbital versus thiopental in the treatment of refractory intracranial hypertension in patients with traumatic brain injury: A randomized controlled trial	Hypertension EXCLUDE: Condition not appropriate: Intracranial hypertension in skull not hypertension
Peters (2009)	Vascular risk factors and cognitive function among 3763 participants in the Hypertension in the Very Elderly Trial (HYVET): a cross-sectional analysis	Hypertension EXCLUDE: Eligible participants were not diagnosed with dementia at baseline
Peters (2014)	A systematic review of calcium channel blocker use and cognitive decline/dementia in the elderly	Risk of CV disease EXCLUDE: Not populations of relevance (systematic review focuses on CCBs and

Short Title	Title	New column
		incidence of dementia not as treatment for a comorbidity for people living with dementia. Reviews trial SYST-EUR ad HYVET - both recruited people who were not diagnosed with dementia at baseline)
Peters (2014)	Treating hypertension in the very elderly- Benefits, risks, and future directions, a focus on the hypertension in the very elderly trial	Hypertension EXCLUDE: Narrative review
Peters (2015)	Potential for specific dihydropyridine calcium channel blockers to have a positive impact on cognitive function in humans: a systematic review	Risk of CV disease EXCLUDE: Paper considers use of CCBs and incidence of cognitive decline or dementia
Plastino (2010)	Effects of insulinic therapy on cognitive impairment in patients with Alzheimer disease and diabetes mellitus type-2	Diabetes EXCLUDE: looks at progression of AD only
Pomeroy (1993)	The effect of physiotherapy input on mobility skills of elderly people with severe dementing illness	Recurrent falls (rehabilitation) EXCLUDE: Not a rehabilitation for fallers
Pomeroy (1999)	Mobility and dementia: Is physiotherapy treatment during respite care effective?	Recurrent falls (rehabilitation) EXCLUDE: Not a population of fallers
Ratner (1972)	Anticoagulant therapy for senile dementia	Risk of CV disease EXCLUDE: Wrong population. Participants had Dementia only and no comorbidity
Razay (2009)	Blood pressure, dementia and Alzheimer's disease	Hypertension EXCLUDE: Looks at progression of AD
Rösler (2012)	Treatment of dementia patients with fracture of the proximal femur in a specialized geriatric care unit compared to conventional geriatric care	Recurrent falls (rehabilitation) EXCLUDE: Duplicate study
Sakakibara (2009)	How to manage overactive bladder in elderly individuals with dementia	Incontinence EXCLUDE: Letter
Sandyk (1994)	Alzheimer's disease: improvement of visual memory and visuoconstructive performance by treatment with picotesla range magnetic fields	Sensory impairment EXCLUDE: Population does not include people with dementia and vision related problems
Sato (2009)	Combination of Antihypertensive therapy in the elderly, Multicenter Investigation Multi-center randomized controlled study on efficacy of ARB/Diuretic mixture versus ARB/Ca channel blocker combination therapy to blood pressure or cognitive function in the elderly patients who have insufficient controlled hypertension in ARB monotherapy	Hypertension EXCLUDE: ongoing trial directory info only
Schwenk (2014)	Improvements in gait characteristics after intensive resistance and functional training	Recurrent falls (rehabilitation) EXCLUDE: Does not specify



Short Title	Title	New column
	in people with dementia: a randomised controlled trial	that population is people living with dementia and management or rehabilitation for falls
Shah (2009)	Does use of antihypertensive drugs affect the incidence or progression of dementia? A systematic review	Hypertension EXCLUDE: Not relevant outcomes/ population. Looks at use of interventions on progression/ incidence of dementia
Shlyakhto (2007)	Observational Study on Cognitive function And systolic blood pressure Reduction (OSCAR): preliminary analysis of 6-month data from > 10,000 patients and review of the literature	Hypertension EXCLUDE: Not comparators/ outcomes of interest- looks at prevention of dementia
Sinclair (2000)	Cognitive dysfunction in older subjects with diabetes mellitus: impact on diabetes self-management and use of care services. All Wales Research into Elderly (AWARE) Study	Diabetes EXCLUDE: Population sample based on people diagnosed with diabetes only
Skoog (2005)	Effect of baseline cognitive function and antihypertensive treatment on cognitive and cardiovascular outcomes: Study on COgnition and Prognosis in the Elderly (SCOPE)	Hypertension EXCLUDE: Analysis of SCOPE study (only people with MMSE score at baseline of > 24 were eligible for inclusion)
Sparks (2006)	Circulating cholesterol levels, apolipoprotein E genotype and dementia severity influence the benefit of atorvastatin treatment in Alzheimer's disease: results of the Alzheimer's Disease Cholesterol-Lowering Treatment (ADCLT) trial	Risk of CV disease EXCLUDE: Population did not include people with a risk of CVD
Staessen (2001)	Dihydropyridine calcium-channel blockers for antihypertensive treatment in older patients - Evidence from the Systolic Hypertension in Europe Trial	Hypertension EXCLUDE: Analysis of SYST-EUR trial (did not recruit people with dementia at baseline)
Stein (1992)	Hearing impairment and its impact on elderly patients with cognitive, behavioral, or psychiatric disorders: A literature review	Sensory impairment EXCLUDE: Article unavailable
Stollberger (2013)	Concerns about the use of new oral anticoagulants for stroke prevention in elderly patients with atrial fibrillation	Risk of CV disease EXCLUDE: Population doesn't consider dementia specific sub groups
Sze (1998)	Effect of nimodipine on memory after cerebral infarction	Cardiovascular disease: EXCLUDE: only provides outcomes relevant to cognition, Not to treat the comorbidity
Tobin (1986)	The management of urinary incontinence in local authority residential homes for the elderly	Incontinence EXCLUDE: Does not subanalyse by people with dementia

Short Title	Title	New column
Tobu (2015)	Usefulness of Blocksom vesicostomy in elderly men with chronic urinary retention and severe dementia	Incontinence EXCLUDE: Does not provide relevant outcomes
Thoonsen (2010)	Aspirin in Alzheimer's disease: increased risk of intracerebral hemorrhage: cause for concern?	Risk of CV disease EXCLUDE: Includes 2 papers (1 already identified; 1 ordered full text)
Valenti (2014)	Treatment of vascular risk factors in patients with a diagnosis of Alzheimer's disease: a systematic review	Cardiovascular disease EXCLUDE: Mostly looking at progression of dementia but relevant papers ordered/ previously retrieved
Walsh (1993)	Anticoagulant therapy and Alzheimer's disease	Risk of CV disease EXCLUDE: Abstract only
Wang (2001)	Benefits of antihypertensive drug treatment in elderly patients with isolated systolic hypertension	Hypertension EXCLUDE: Not comparators of interest (prevention of dementia only)
Watfa (2010)	Use of calcium channel blockers is associated with better cognitive performance in older hypertensive patients with subjective memory complaints	Hypertension EXCLUDE: Not relevant population (incidence of dementia in non-dementia population at baseline)
Welsh (2014)	The treatment of hypertension in people with dementia	Hypertension EXCLUDE: Not truly relevant outcomes, provides somme potentially useful papers which have been ordered at full text
Winblad (2007)	Effects of statins on cognitive function in patients with Alzheimer's disease in galantamine clinical trials	Risk of CV disease EXCLUDE: Not relevant comparator/ outcome. Looks at how modifying cv risk factors can impact on progression
Wittwer (2013)	Effect of rhythmic auditory cueing on gait in people with Alzheimer disease	Recurrent falls (rehabilitation) EXCLUDE: Not population of interest - Does not specify if participants were fallers)
Wolozin (2006)	Interventions for heart disease and their effects on Alzheimer's disease	Risk of CV disease EXCLUDE: Narrative review
Wozakowska-Kaplon (2009)	Cognitive disorders in elderly patients with permanent atrial fibrillation	Risk of CV disease EXCLUDE: Article unavailable
Yap (2006)	Urinary incontinence in dementia- a practica approach	Incontinence EXCLUDE: guidelines/ review article only
Zemva (2011)	Central insulin and insulin-like growth factor-1 signaling: implications for diabetes associated dementia	Diabetes EXCLUDE: Review paper
Zimmerman (2010)	Ideal management of diabetes mellitus and dementia: Walking a tightrope between hyperglycemia and hypoglycemia	Diabetes EXCLUDE: Narrative review only

### F.14.3 Managing mental health conditions alongside dementia

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

Short Title	Title	Reason for exclusion
Aguzzi (1985)	Treatment of psychic regression of the elderly: A double-blind clinical trial	Not in English
Anon (2008)	Cognitive behavior therapy for anxiety in dementia	Not a randomised study
AstraZeneca (2009)	A multicentre, double-blind, randomised, parallel-group comparison of quetiapine and haloperidol in the treatment of elderly patients presenting with dementia and psychoses (50771L/0049)	Not a peer-reviewed publication
Ballard (2008)	A randomised, blinded, placebo-controlled trial in dementia patients continuing or stopping neuroleptics (the DART-AD trial)	Study on illness-emergent non-cognitive symptoms, so considered under that question
Ballard (2009)	The dementia antipsychotic withdrawal trial (DART-AD): long-term follow-up of a randomised placebo-controlled trial	Study on illness-emergent non-cognitive symptoms, so considered under that question
Bamrah (1999)	A multicentre, double-blind, randomised, parallel group comparison of seroquel and haloperidol in the treatment of elderly patients presenting with dementia and psychosis	Not a randomised study
Banerjee (2011)	Sertraline or mirtazapine for depression in dementia (HTA-SADD): a randomised, multicentre, double-blind, placebo-controlled trial	Study on illness-emergent non-cognitive symptoms, so considered under that question
Banerjee (2013)	Study of the use of antidepressants for depression in dementia: the HTA-SADD trial-- a multicentre, randomised, double-blind, placebo-controlled trial of the clinical effectiveness and cost-effectiveness of sertraline and mirtazapine	Secondary paper providing no additional information to included study
Battaglia (2003)	Calming versus sedative effects of intramuscular olanzapine in agitated patients	Study does not contain a population with dementia and a co-morbidity
Bergman (2003)	Addition of donepezil for treatment of psychotic symptoms in patients with dementia of the Alzheimer's type	Not a relevant intervention for this population
Bjorling (1997)	Treatment of anxiety in the elderly	Non-systematic review
Bostrom (2015)	Effects of high-intensity functional exercise on depressive symptoms among people with dementia in residential care facilities: A randomised controlled trial	Study on illness-emergent non-cognitive symptoms, so considered under that question
Boyce (2012)	A review of the effectiveness of antidepressant medications for depressed nursing home residents	Study does not contain a population with dementia
Brodsky (2003)	Randomized controlled trial of different models of care for nursing home residents with dementia complicated by depression or psychosis	Study on illness-emergent non-cognitive symptoms, so considered under that question

Short Title	Title	Reason for exclusion
Brody (2011)	Antidepressant treatment in Alzheimer's disease	Comment article
Calvo-Perxas (2014)	Psychotropic Drugs in Patients With Alzheimer's Disease: A Longitudinal Study by the Registry of Dementias of Girona (ReDeGi) in Catalonia, Spain	Not a randomised study
Chin (2004)	Effects of resistance and all-round, functional training on quality of life, vitality and depression of older adults living in long-term care facilities: A 'randomized' controlled trial [ISRCTN87177281]	Study does not contain a population with dementia
Clark (1999)	Reduction of psychotic symptoms in patients with lewy-body-like-symptoms treated with olanzapine	Conference abstract
Clark (2001)	The effects of olanzapine in reducing the emergence of psychosis among nursing home patients with Alzheimer's disease	Post-hoc subgroup analysis of an RCT
Cody (2013)	The Effects of Psychotherapy on Reducing Depression in Residential Aged Care: A Meta-Analytic Review	Study does not contain a population with dementia
Conradsson (2010)	Effects of a high-intensity functional exercise programme on depressive symptoms and psychological well-being among older people living in residential care facilities: A cluster-randomized controlled trial	Study does not contain a population with dementia
Cooke (2010)	A randomized controlled trial exploring the effect of music on quality of life and depression in older people with dementia	Study on illness-emergent non-cognitive symptoms, so considered under that question
Cumbo (2010)	Levetiracetam, lamotrigine, and phenobarbital in patients with epileptic seizures and Alzheimer's disease	Included in physical comorbidities section
Cummings (2002)	Efficacy of olanzapine in the treatment of psychosis in dementia with Lewy bodies	Post-hoc subgroup analysis of an RCT
DART-AD (2008)	DART-AD: no benefits found in AD patients who continue to take antipsychotics...Alzheimer's disease	Not a peer-reviewed publication
Day (2013)	Thiamine for prevention and treatment of Wernicke-Korsakoff Syndrome in people who abuse alcohol	Study does not contain a population with dementia
Devanand (2003)	Sertraline treatment of elderly patients with depression and cognitive impairment	Not a randomised study
Drimer (2004)	Effects of discontinuation of long-term anticholinergic treatment in elderly schizophrenia patients	Not a randomised study
Drye (2011)	Do treatment effects vary among differing baseline depression criteria in depression in Alzheimer's disease study $\pm 2$ (DIADS-2)?	Subgroup analysis of included trial
Eichler (2014)	Antipsychotic drug treatment in ambulatory dementia care: Prevalence and correlates	Reports baseline characteristics of an RCT
Eli (2005)	Olanzapine versus Placebo in the Treatment of Psychosis with or without Associated	Not a peer-reviewed publication

Short Title	Title	Reason for exclusion
	Behavioral Disturbances in Patients with Alzheimer's Disease	
Ellingrod (2002)	Comparison of risperidone with olanzapine in elderly patients with dementia and psychosis	Not a randomised study
Elsborg (1991)	Safety aspects of treatment of the elderly with dementia and/or depression: Side effect profile of a specific 5-HT uptake inhibitor	Not in English
Evans (2000)	Multi-centre double blind randomized parallel group comparison of seroquel and haloperidol in the treatment of elderly patients presenting with dementia, psychosis	Not a peer-reviewed publication
Fossey (2006)	Effect of enhanced psychosocial care on antipsychotic use in nursing home residents with severe dementia: cluster randomised trial	Study on illness-emergent non-cognitive symptoms, so considered under that question
Fuchs (1993)	Video rating analysis of effect of maprotiline in patients with dementia and depression	Methodological study of dementia treatment
Gardner (2008)	A review of the cognitive effects of electroconvulsive therapy in older adults	Not a population with a relevant co-morbidity
Gottfries (1992)	Treatment of depression in elderly patients with and without dementia disorders	Discussion paper
Grossman (2004)	Risperidone in the treatment of elderly patients with psychosis of Alzheimer's disease and related dementias	Letter
Hickman (2007)	The effect of ambient bright light therapy on depressive symptoms in persons with dementia	Study on illness-emergent non-cognitive symptoms, so considered under that question
Hirsch (2009)	Continued use of antipsychotic drugs increased long-term mortality in patients with Alzheimer disease	Article abstract with full-text included
Hoffmann (2003)	Olanzapine versus placebo in the treatment of psychosis with or without associated behavioral disturbances in patients with alzheimer's dementia	Study on illness-emergent non-cognitive symptoms, so considered under that question
Holl (2010)	Combating depression in Huntington's disease: effective antidepressive treatment with venlafaxine XR	Not a randomised study
Ing-Randolph (2015)	Group music interventions for dementia-associated anxiety: A systematic review	Study on illness-emergent non-cognitive symptoms, so considered under that question
Kasper (2015)	Phytopharmaceutical treatment of anxiety, depression, and dementia in the elderly: evidence from randomized, controlled clinical trials	Post-hoc analysis of RCTs involving people without dementia
Katz (2007)	The efficacy and safety of risperidone in the treatment of psychosis of Alzheimer's disease and mixed dementia: a meta-analysis of 4 placebo-controlled clinical trials	Subgroup analysis of published studies

Short Title	Title	Reason for exclusion
Kinon (2003)	Analysis of motor function in patients with Alzheimer's dementia during double-blind treatment of psychosis with olanzapine	Secondary paper providing no additional information to included study
Kiosses (2015)	Depression and Suicidal Ideation During Two Psychosocial Treatments in Older Adults with Major Depression and Dementia	Subgroup analysis of included trial
Kiosses (2015)	Problem adaptation therapy for older adults with major depression and cognitive impairment: a randomized clinical trial	Study on illness-emergent non-cognitive symptoms, so considered under that question
Kok (2014)	Treatment of alcohol use disorders in the elderly: An overview of RCTs	Not a randomised study
Kolla (2010)	What is the most effective NON-pharmacologic treatment of anxiety symptoms in the institutionalized elderly patient?	Letter
Laures (2004)	Complementary and alternative medical approaches to treating adult neurogenic communication disorders: a review	Study does not contain a population with dementia
Lee (2016)	Gray matter volumes and treatment response of psychotic symptoms to risperidone in antipsychotic-naïve Alzheimer's disease patients	Not a randomised study
Leong (2014)	Antidepressants for depression in patients with dementia: a review of the literature	Study on illness-emergent non-cognitive symptoms, so considered under that question
Leontjevas (2013)	A structural multidisciplinary approach to depression management in nursing-home residents: a multicentre, stepped-wedge cluster-randomised trial	Study on illness-emergent non-cognitive symptoms, so considered under that question
Lyketsos (2000)	A randomized, placebo-controlled, double-blind, clinical-trial of sertraline in the treatment of major depression complicating Alzheimer Disease: Initial results from the DIADS study	Secondary paper providing no additional information to included study
Lyketsos (2003)	Treating depression in Alzheimer disease: Efficacy and safety of sertraline therapy, and the benefits of depression reduction: The DIADS	Study on illness-emergent non-cognitive symptoms, so considered under that question
Masuda (2002)	Effect of serotonin 1A agonist tandospirone on depression symptoms in senile patients with dementia	Not a randomised study
Moulton (2014)	Systematic review of pharmacological treatments for depressive symptoms in Huntington's disease	Study on illness-emergent non-cognitive symptoms, so considered under that question
Nyth (1992)	A controlled multicenter clinical study of citalopram and placebo in elderly depressed patients with and without concomitant dementia	Study does not contain a population with dementia

Short Title	Title	Reason for exclusion
Ortega (2014)	Psychological treatments for depression and anxiety in dementia and mild cognitive impairment	Study on illness-emergent non-cognitive symptoms, so considered under that question
Pan (2014)	Antipsychotic Discontinuation in Patients with Dementia: A Systematic Review and Meta-Analysis of Published Randomized Controlled Studies	Study on illness-emergent non-cognitive symptoms, so considered under that question
Pelton (2016)	Combined treatment with memantine/es-citalopram for older depressed patients with cognitive impairment: a pilot study	Study in mild cognitive impairment
Peters (2011)	Sertraline for the treatment of depression in Alzheimer disease: genetic influences.[Erratum appears in J Geriatr Psychiatry Neurol. 2012 Sep;25(3):188 Note: Dimitri, Avramopoulos [corrected to Avramopoulos, Dimitri]]	Post-hoc subgroup analysis of an RCT
Petracca (1996)	A double-blind placebo-controlled study of clomipramine in depressed patients with Alzheimer's disease	Trial included as part of included systematic review
Petracca (2001)	A double-blind, placebo-controlled study of fluoxetine in depressed patients with Alzheimer's disease	Trial included as part of included systematic review
Petrovsky (2015)	Review of the effect of music interventions on symptoms of anxiety and depression in older adults with mild dementia	Study on illness-emergent non-cognitive symptoms, so considered under that question
Rabkin (1994)	Effects of sertraline on mood and immune status in patients with major depression and HIV illness: An open trial	Study does not contain a population with dementia
Reynolds (1987)	Open-trial response to antidepressant treatment in elderly patients with mixed depression and cognitive impairment	Study does not contain a population with dementia
Sajatovic (2002)	Efficacy of quetiapine and risperidone against depressive symptoms in outpatients with psychosis	Study does not contain a population with dementia
Schneider (2006)	Effectiveness of atypical antipsychotic drugs in patients with Alzheimer's disease	Population all developed com-morbidity after diagnosis of dementia
Spector (2015)	Cognitive-behavioural therapy for anxiety in dementia: pilot randomised controlled trial	Trial included as part of included systematic review
Stanley (2013)	The Peaceful Mind program: A pilot test of a cognitive-behavioral therapy-based intervention for anxious patients with Dementia	Trial included as part of included systematic review
Stapleton (1988)	Treatment of alcoholic organic brain syndrome with the serotonin reuptake inhibitor fluvoxamine: a preliminary study	No relevant outcome measures reported
Sung (2010)	A preferred music listening intervention to reduce anxiety in older adults with dementia in nursing homes	Study on illness-emergent non-cognitive symptoms, so considered under that question

Short Title	Title	Reason for exclusion
Sutton (2001)	Olanzapine in the treatment of anxiety in patients with alzheimer's disease	Letter
Taragano (1997)	A double-blind, randomized, fixed-dose trial of fluoxetine vs. amitriptyline in the treatment of major depression complicating Alzheimer's disease	Not a relevant treatment comparison
Tavares (2014)	Impact of physical exercise on quality of life of older adults with depression or Alzheimer's disease: a systematic review	Study does not contain a population with dementia and a co-morbidity
Tavares (2014)	Impact of physical exercise on quality of life of older adults with depression or Alzheimer's disease: a systematic review	Duplicate reference
Teri (2005)	Psychosocial treatment of depression in older adults with dementia	Non-systematic review
van Reekum (2002)	A randomized, placebo-controlled trial of the discontinuation of long-term antipsychotics in dementia	Trial included as part of included systematic review
Vanopdorp (2016)	Nonpharmaceutical treatment of anxiety in institutionalized older adults	Letter
Weintraub (2010)	Sertraline for the treatment of depression in Alzheimer disease: week-24 outcomes	Study on illness-emergent non-cognitive symptoms, so considered under that question
Young (2006)	Cognitive impairment in bipolar disorder in old age: literature review and findings in manic patients	Study does not contain a population with dementia



## F.15 Palliative care

### F.15.1 Palliative care

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

#### F.15.1.1 Qualitative evidence

Study	Reason for exclusion
Agar (2016) Implementing facilitated case conferencing for aged care residents with advanced dementia-development of a palliative care planning coordinator role. Palliative medicine	This is an abstract for a conference presentation
Amador (2016) Evaluation of an Organisational Intervention to Promote Integrated Working between Health Services and Care Homes in the Delivery of End-of-Life Care for People with Dementia: Understanding the Change Process Using a Social Identity Approach	There are only interviews of staff. There is no qualitative evidence collected from people living with dementia or their carers
Chatterjee (2008) End-of-life care for patients with dementia	Narrative review and opinion
Crowther (2012) Dementia: What care do patients and carers need in the last year of life and time surrounding death?	Abstract for an oral presentation at a conference
Davies (2014) Response: Compassion in healthcare – lessons from a qualitative study of the end-of-life care of people with dementia	Letter to the editor
Davies (2014) The experience of living with and caring for someone with dementia at the end of their life	Abstract for a poster presentation at a conference
Davies (2014) Quality end-of-life care for dementia from a family's perspective: A narrative review	Abstract for a poster presentation at a conference
Davies (2016) A co-design process developing heuristics for practitioners providing end of life care for people with dementia	The heuristics diagrams for decision making were created but not tested
Davies (2016) Health professionals generally have more restrictive attitudes towards assisted dying in dementia than the public	Letter to the editor
Davies (2017) Family caregivers' conceptualisation of quality end-of-life care for people with dementia: A qualitative study	The model/method(s) of palliative care is not described. The shortfalls in palliative care in the study are addressed by the recommendation regarding a needs-based approach. This study is looking at what people would ideally want, rather than what either is practically happening or evaluating a specific palliative care approach
Ellis (2014) Palliative care in advanced dementia: A qualitative study exploring the views of consultants involved in dementia care	Abstract for a poster presentation at a conference
Flemming (2016) Family carers' perceptions of their educational needs when providing	This is an abstract for a conference presentation

Study	Reason for exclusion
end-of-life care: A systematic review of qualitative research	
Jones (2014) Improving the end of life care for people with advanced dementia and their informal carers: A method of developing a complex intervention using a whole systems UK wide approach	Abstract for an oral presentation at a conference
Jordan (2010) Extending palliative care to patients with dementia	Opinion article
Kydd (2016) Palliative care and dementia – A time and place?	Narrative review
Gary (2016) Palliative and end-of-life care for people living with dementia in care homes: part 2 of 2	Narrative review and opinion
Ghiotti (2009) The Dementia End of Life Care Project (DeLCaP): Supporting families caring for people with late stage dementia at home	No thematic analysis of narratives. Opinion piece
Rowlands (2012) Challenges in delivering effective palliative care to people with dementia	Narrative review
Davies (2014) Quality end-of-life care for dementia: What have family carers told us so far? A narrative synthesis	This systematic review has studies that are UK, USA and Canadian. The results section does not focus on the UK system. There is not enough detail on the UK system to be useful. The review looks at studies already included in this RQ14.
Davies (2014) Quality palliative care for cancer and dementia in five European countries: some common challenges	This systematic review has studies that are English, German, Italian, from the Netherlands and from Norway. The results section does not focus on the UK system. There is not enough detail on the UK system to be useful.
Goodman (2009) End of life care for community dwelling older people with dementia: an integrated review	Out of 67 reviewed papers, only 20 were European (including the UK). The results section does not focus on the UK system. There is not enough detail on the UK system to be useful.
Jones (2016) Development of a model for integrated care at the end of life in advanced dementia: A whole systems UK-wide approach.	The model for integrated care is formed from consensus statements (opinion).
Lloyd-Williams (2017) Dying with dementia-how can we improve the care and support of patients and their families	This is an opinion article. There is no qualitative evidence
Moore (2017) Implementing the compassion intervention, a model for integrated care for people with advanced dementia towards the end of life in nursing homes: a naturalistic feasibility study	There is only one quoted sentence from a carer in this study. It is not possible to make an evaluation on the basis of this one specific quote. This is because the aim of a qualitative study is to find the reasons behind opinions and this quote does not achieve this aim.
Procter (2012) Collaboration between the specialties in provision of end-of-life care for all in the UK: reality or utopia?	This systematic review grouped together dementia, heart failure, COPD and neurological conditions. There is no specific information on dementia.
Raymond (2014) Palliative and end of life care for people with dementia: lessons for clinical commissioners	This is a review of reviews. The reviews are from many counties. Each individual review could look

Study	Reason for exclusion
	at studies of many countries. There is no specific information about the UK.

### F.15.1.2 Quantitative evidence

#### Palliative care intervention

Study	Reason for exclusion
Bergh (2012) Discontinuation of antidepressants in people with dementia and neuropsychiatric symptoms (DESEP study): double blind, randomised, parallel group, placebo controlled trial	Not a palliative intervention
Bonner (2014) Advance care treatment plan (ACT-Plan) for African American family caregivers: a pilot study	Carers of people with dementia who have not reached the stage of advanced dementia
Burns (2009) Safety and efficacy of galantamine (Reminyl) in severe Alzheimer's disease (the SERAD study): a randomised, placebo-controlled, double-blind trial	Not a palliative intervention
De Deyn (2004) Olanzapine versus placebo in the treatment of psychosis with or without associated behavioral disturbances in patients with Alzheimer's disease	Not a palliative intervention
Devenand (2012) Relapse risk after discontinuation of risperidone in Alzheimer's disease	Not a palliative intervention
Finkel (1995) A randomized, placebo-controlled trial of thiothixene in agitated, demented nursing home patients	Not a palliative intervention
Fleischhacker (1986) Memantine in the treatment of senile dementia of the Alzheimer type	Not a palliative intervention
Grossberg (2013) The safety, tolerability, and efficacy of once-daily memantine (28 mg): a multinational, randomized, double-blind, placebo-controlled trial in patients with moderate-to-severe Alzheimer's disease taking cholinesterase inhibitors	Not a palliative intervention
Hager (2014) Effects of galantamine in a 2-year, randomized, placebo-controlled study in Alzheimer's disease	Not a palliative intervention
Iwasaki (2007) A pilot study of Banxia Houpu Tang, a traditional Chinese medicine, for reducing pneumonia risk in older adults with dementia	Not a palliative intervention
Kovach (1996) The effects of hospice interventions on behaviors, discomfort, and physical complications of end stage dementia nursing home residents	Dementia not staged using a validated functional assessment tool
Kovach (2006) Effects of the Serial Trial intervention on discomfort and behaviour of nursing home residents with dementia	>80% of study participants not advanced dementia; data not available separately for people with advanced

Study	Reason for exclusion
	dementia
Kovach (2012) Comparison of the effectiveness of two protocols for treating nursing home residents with advanced dementia	>80% of study participants not advanced dementia; data not available separately for people with advanced
Mintzer (2006) Risperidone in the treatment of psychosis of Alzheimer disease: results from a prospective clinical trial	Not a palliative intervention
Navratilova (2007) Alzheimer disease: malnutrition and nutritional support	Not a palliative intervention
NCT00921297 Cataract removal and Alzheimer's disease. <a href="http://clinicaltrials.gov/show/NCT00921297">clinicaltrials.gov/show/NCT00921297</a>	Not a palliative intervention
Reinhardt (2004) Vital conversations with family in the nursing home: preparation for end-stage dementia care	>80% of study participants not advanced dementia; data not available separately for people with advanced
Shin (2013) A randomized placebo- controlled trial of quetiapine for the treatment of behavioral and psychological symptom of dementia in Alzheimer's disease patients	Not a palliative intervention
Street (2000) Olanzapine treatment of psychotic and behavioral symptoms in patients with Alzheimer's disease in nursing care facilities	Not a palliative intervention

### Enteral tube feeding

No.	Study	Reason for exclusion
1	Berlowitz (1997) Predictors of pressure ulcer healing among long-term residents	No separate analysis on included patients with dementia
2	Callahan (2000) Outcomes of percutaneous endoscopic gastrostomy among older adults in a community setting.	Compared dementia with other illness groups
3	Ciocon (1998) Tube feedings in elderly patients	No separate analysis on included patients with dementia
4	Feinberg (1996) Prandial aspiration and pneumonia in an elderly population followed over 3 years	No separate analysis on included patients with dementia
5	Fox (1995) Aspiration pneumonia following surgically placed feeding tubes	No separate analysis on included patients with dementia
6	Henderson (1992) Prolonged tube feeding in long-term care, nutritional status and clinical outcomes	No separate analysis on included patients with dementia
7	Kaw (1994) Long-term follow-up of consequences of percutaneous endoscopic gastrostomy tubes in nursing home patients	No separate analysis on included patients with dementia
8	Langmore (2002) Predictors of aspiration pneumonia in nursing home residents	No separate analysis on included patients with dementia

<b>No.</b>	<b>Study</b>	<b>Reason for exclusion</b>
9	Loser (1998) Enteral long-term nutrition via percutaneous endoscopic gastrostomy in 210 patients	No separate analysis on included patients with dementia

## F.16 Rerun searches

Short Title	Title	Reason for exclusion
Trial registry entry (2016)	A randomized, double-blind, placebo-controlled trial of long-term (2-year) treatment of galantamine in mild to moderately-severe Alzheimer's disease	Ongoing trial, results not yet published.
Aasmul (2016)	Staff Distress Improves by Treating Pain in Nursing Home Patients With Dementia: Results From a Cluster-Randomized Controlled Trial	Population and outcomes for formal caregivers not people living with dementia or informal carers
Anguish (2015)	Pharmacologic Treatment of Behavioral and Psychological Symptoms of Dementia in Nursing Homes: Update of the 2008 JAMDA Recommendations	Letter to the editor
André (2016)	At-home tDCS of the left dorsolateral prefrontal cortex improves visual short-term memory in mild vascular dementia	Study does not address a relevant review question
Bailey (2017)	A Randomized Controlled Trial of a Therapeutic Intervention for Nursing Home Residents with Dementia and Depressive Symptoms	Full text article not available
Barbosa (2017)	Implementing a psycho-educational intervention for care assistants working with people with dementia in aged-care facilities: facilitators and barriers	Not a population of people living with dementia
Barbosa (2017)	Person-centredness in direct care workers caring for residents with dementia: Effects of a psycho-educational intervention	Not a population of people living with dementia
Bleckwenn (2017)	Impact of coronary heart disease on cognitive decline in Alzheimer's disease: a prospective longitudinal cohort study in primary care	Not an RCT, and related to a question where only RCT evidence was included
Bogaert (2016)	SoICos model-based individual reminiscence for older adults with mild to moderate dementia in nursing homes: a randomized controlled intervention study	Full text article not available
Brody (2016)	A Phase II, Randomized, Double-Blind, Placebo-Controlled Study of Safety, Pharmacokinetics, and Biomarker Results of Subcutaneous Bapineuzumab in Patients with mild to moderate Alzheimer's disease	Study does not address a relevant review question
Carotenuto (2017)	The Effect of the Association between Donepezil and Choline Alphoscerate on Behavioral Disturbances in Alzheimer's Disease: Interim Results of the ASCOMALVA Trial	Posthoc analysis of ASCOMALVA trial (previously included)
Cavallo (2016)	Computerized structured cognitive training in patients affected by early-stage Alzheimer's disease is feasible and effective: A randomized controlled study	Full text article not available
Cavedo (2016)	Reduced Regional Cortical Thickness Rate of Change in Donepezil-Treated Subjects With Suspected Prodromal Alzheimer's Disease	Abstract or conference abstract
Chen (2016)	Elastic Band Exercises Improved Activities of Daily Living and Functional Fitness of Wheelchair-bound	Not a population of people living with dementia

Short Title	Title	Reason for exclusion
	Older Adults with Cognitive Impairment: A Cluster Randomized Controlled Trial	
Chen (2016)	Resistance Band Exercises Reduce Depression and Behavioral Problems of Wheelchair-Bound Older Adults with Dementia: a Cluster-Randomized Controlled Trial	Data not reported in an extractable format
Demarin (2017)	Efficacy and safety of Ginkgo biloba standardized extract in the treatment of vascular cognitive impairment: a randomized, double-blind, placebo-controlled clinical trial	Not a population of people living with dementia
Demarin (2017)	Efficacy and safety of Ginkgo biloba standardized extract in the treatment of vascular cognitive impairment: a randomized, double-blind, placebo-controlled clinical trial	Not a population of people living with dementia
Didsbury (2016)	Rapid onset of cognitive improvements in a subset of mild and moderate alzheimer's patients treated with T3D-959: interim results of a phase 2a open label clinical trial	Abstract or conference abstract
Engel (2016)	["EduKation demenz". Psychoeducative training program for relatives of people with dementia]	Not in English
Furukawa (2017)	Randomized double-blind placebo-controlled multicenter trial of Yokukansan for neuropsychiatric symptoms in Alzheimer's disease	Duplicate reference
Gaugler (2015)	Effects of the Minnesota Adaptation of the NYU Caregiver Intervention on Depressive Symptoms and Quality of Life for Adult Child Caregivers of Persons with Dementia	Not a population of people living with dementia
Giovagnoli (2017)	Cognitive training in Alzheimer's disease: a controlled randomized study	No relevant outcome measures reported
Gray (2016)	Community validation of the IDEA study cognitive screen in rural Tanzania	Study does not address a relevant review question
Hammond (2016)	An open-label study to assess safety, tolerability, and effectiveness of dextromethorphan/quinidine for pseudobulbar affect (PBA) in dementia, stroke and traumatic brain injury: prism ii combined cohort results for patients aged >65 years	Abstract or conference abstract
Hanson (2017)	Effect of the Goals of Care Intervention for Advanced Dementia: A Randomized Clinical Trial	Duplicate of a study already included in guideline
Hessler (2016)	The 6-Item Cognitive Impairment Test as a bedside screening for dementia in general hospital patients: results of the General Hospital Study (GHoSt)	Not an RCT, and related to a question where only RCT evidence was included
Heymann (2016)	The association between alcohol use and the progression of alzheimer's disease	Not an RCT, and related to a question where only RCT evidence was included
Ihle-Hansen (2015)	Blood pressure control to prevent decline in cognition after stroke	Not a population of people with a diagnosis of dementia.

Short Title	Title	Reason for exclusion
Improving comfort in... (2016)	Improving comfort in people with dementia and pneumonia: A cluster randomized trial	Data not reported in an extractable format
Inagawa (2017)	Cognitive rehabilitation during transcranial direct current stimulation (Core-tDCS) for major or mild neurocognitive disorder patients-a protocol of a randomized controlled preliminary research	Abstract or conference abstract
Innes (2017)	Meditation and Music Improve Memory and Cognitive Function in Adults with Subjective Cognitive Decline: A Pilot Randomized Controlled Trial	Not a population of people with a diagnosis of dementia.
Jensen (2017)	Effect of physical exercise on markers of neuronal dysfunction in cerebrospinal fluid in patients with Alzheimer's disease	No relevant outcome measures reported
Jeon (2016)	Development and Validation of a Short Version of the Cornell Scale for Depression in Dementia for Screening Residents in Nursing Homes	Study does not address a relevant review question
Jia (2017)	Efficacy and Safety of Donepezil in Chinese Patients with Severe Alzheimer's Disease: A Randomized Controlled Trial	Not a population of people living with dementia
Johnson (2016)	Efficacy and safety of a flexible dose of risperidone versus placebo in the treatment of psychosis of Alzheimers disease. A double-blind, placebo-controlled, parallel-group study	Ongoing trial, results not yet published.
Johnson (2016)	Galantamine treatment of vascular dementia: a randomized trial	Ongoing trial, results not yet published.
Johnson (2016)	Risperidone in the treatment of behavioural disturbances in patients with Alzheimer's dementia: a double-blind placebo-controlled trial	Ongoing trial, results not yet published.
Kiefer (2016)	An RCT Looking at the Effects of Panax ginseng and Ginkgo biloba	Commentary
Kiosses (2017)	Negative Emotions and Suicidal Ideation during Psychosocial Treatments in Older Adults with Major Depression and Cognitive Impairment	Duplicate of a study already included in guideline
Kumar (2016)	Effects of a novel occupational therapy programme for older people with mild to moderate dementia: a randomized control trial	Abstract or conference abstract
Kuo (2017)	A randomized controlled trial of a home-based training programme to decrease depression in family caregivers of persons with dementia	Data not reported in an extractable format
Lee (2016)	PDD-5S: a useful screening tool for Parkinson's disease dementia	Not an RCT, and related to a question where only RCT evidence was included
Leonard (2016)	Comparison of cognitive and neuropsychiatric profiles in hospitalised elderly medical patients with delirium, dementia and comorbid delirium-dementia	Not an RCT, and related to a question where only RCT evidence was included
Lin (2017)	Development of cognitive screening test for the severely hearing impaired: Hearing-impaired MoCA	Not a population of people with a diagnosis of dementia.



Short Title	Title	Reason for exclusion
Liu-Ambrose (2016)	Aerobic exercise and vascular cognitive impairment: A randomized controlled trial	Not a population of people with a diagnosis of dementia.
Marin-Webb (2016)	Validation of the international HIV dementia scale as a screening tool for HIV-associated neurocognitive disorders in a German-speaking HIV outpatient clinic	Study does not address a relevant review question
Maseda (2014)	Effects of Multisensory Stimulation on a Sample of Institutionalized Elderly People With Dementia Diagnosis: A Controlled Longitudinal Trial	Data not reported in an extractable format
Mavis (2015)	Test your memory-Turkish version (TYM-TR): reliability and validity study of a cognitive screening test	Study does not address a relevant review question
McDermott (2017)	The effects of a 16-week aerobic exercise programme on cognitive function in people living with HIV	Not a population of people living with dementia
Menezes (2016)	[Effectiveness of a cognitive-motorphysiotherapeutical therapy intervention in institutionalized older adults with mild cognitive impairment and mild dementia]	Not in English
Mikkola (2017)	Lower death risk for vascular dementia than for Alzheimer's disease with postmenopausal hormone therapy users	Not an RCT, and related to a question where only RCT evidence was included
Mori (2016)	Pretreatment Cognitive Profile Likely to Benefit from Donepezil Treatment in Dementia with Lewy Bodies: Pooled Analyses of Two Randomized Controlled Trials	Secondary publication of included study providing no additional relevant data
Morris (2017)	Aerobic exercise for Alzheimer's disease: A randomized controlled pilot trial	Not a population of people with a diagnosis of dementia.
Nacu (2016)	Neuropsychiatric symptoms in dementia and the effects of Ginkgo biloba extract EGb 761 (R) treatment: additional results from a 24-week randomized, placebo-controlled trial	Secondary publication of included study providing no additional relevant data
Nct (2016)	A randomized, double-blind, placebo-controlled study of risperidone for treatment of behavioral disturbances in subjects with dementia	Ongoing trial, results not yet published.
Orrell (2017)	The impact of individual Cognitive Stimulation Therapy (iCST) on cognition, quality of life, caregiver health, and family relationships in dementia: A randomised controlled trial	Duplicate of a study already included in guideline
Pieper (2016)	[Effects of a stepwise approach to behavioural problems in dementia: a cluster randomised controlled trial]	Not in English
Prick (2016)	The effects of a multicomponent dyadic intervention on the mood, behavior, and physical health of people with dementia: a randomized controlled trial	Duplicate of a study already included in guideline
Rahimi (2016)	Novel delivery system for natural products: Nano-curcumin formulations	Study does not address a relevant review question

Short Title	Title	Reason for exclusion
Ravari (2017)	Effect of the spiritual care training on anxiety reduction in home caregivers of the elderly with alzheimer disease	Not in English
Reisberg (2017)	Comprehensive, Individualized, Person-Centered Management of Community-Residing Persons with Moderate-to-Severe Alzheimer Disease: A Randomized Controlled Trial	Full text article not available
Ricci (2016)	The clock drawing test as a screening tool in mild cognitive impairment and very mild dementia: a new brief method of scoring and normative data in the elderly	Study does not address a relevant review question
Roncero (2017)	Inferior parietal transcranial direct current stimulation with training improves cognition in anomic Alzheimer's disease and frontotemporal dementia	Data not reported in an extractable format
Rosa (2017)	Screening Younger Individuals in a Primary Care Setting Flags Putative Dementia Cases and Correlates Gastrointestinal Diseases with Poor Cognitive Performance	Not an RCT, and related to a question where only RCT evidence was included
Sampson (2016)	Improving the care of people with dementia in general hospitals: evaluation of a whole-system train-the-trainer model	Not an RCT, and related to a question where only RCT evidence was included
Scanlon (2016)	Usability and Validity of a Battery of Computerised Cognitive Screening Tests for Detecting Cognitive Impairment	Study does not address a relevant review question
Schlesinger (2016)	Does Polypharmacy in Nursing Homes Affect Long-Term Mortality?	Not an RCT, and related to a question where only RCT evidence was included Study does not address a relevant review question
Scoralick (2017)	Mirtazapine does not improve sleep disorders in Alzheimer's disease: results from a double-blind, placebo-controlled pilot study	Not an RCT, and related to a question where only RCT evidence was included
Seaman (2017)	Little white lies: Interrogating the (un)acceptability of deception in the context of dementia	Study does not address a relevant review question
Seike (2016)	Verification of educational support intervention for family caregivers of persons with dementia	Letter to the editor
Shiryaev (2015)	[A comparison of the efficacy and safety of memantal and original memantine in the treatment of mild and moderate dementia in Alzheimer's disease]	Not in English
Sobol (2016)	Effect of aerobic exercise on physical performance in patients with Alzheimer's disease	No relevant outcome measures reported
Subic (2017)	Management of acute ischaemic stroke in patients with dementia	Not an RCT, and related to a question where only RCT evidence was included

Short Title	Title	Reason for exclusion
Tanaka (2017)	Comparison between group and personal rehabilitation for dementia in a geriatric health service facility: single-blinded randomized controlled study	Duplicate reference
Tay (2016)	A combined cognitive stimulation and physical exercise programme (MINDVital) in early dementia: Differential effects on single- and dual-task gait performance	Not an RCT, and related to a question where only RCT evidence was included
Thornley (2016)	Music therapy in patients with dementia and behavioral disturbance on an inpatient psychiatry unit: results from a pilot randomized controlled study	Letter to the editor
Tremont (2016)	Prediction of Cognitive and Functional Decline Using the Telephone-Administered Minnesota Cognitive Acuity Screen	Not an RCT, and related to a question where only RCT evidence was included
Tremont (2017)	Randomized Trial of the Family Intervention: Telephone Tracking-Caregiver for Dementia Caregivers: Use of Community and Healthcare Resources	Study does not address a relevant review question
Van Bogaert (2016)	SolCos model-based individual reminiscence for older adults with mild to moderate dementia in nursing homes: a randomized controlled intervention study	Data not reported in an extractable format
van Bruggen-Rufi (2017)	The Effect of Music Therapy in Patients with Huntington's Disease: A Randomized Controlled Trial	No relevant outcome measures reported
Van Mierlo (2017)	Screening for Mild Cognitive Impairment and Dementia with Automated, Anonymous Online and Telephone Cognitive Self-Tests	Not an RCT, and related to a question where only RCT evidence was included
Woods (2016)	REMCARE: Pragmatic Multi-Centre Randomised Trial of Reminiscence Groups for People with Dementia and their Family Carers: Effectiveness and Economic Analysis	Duplicate of a study already included in guideline
Yang (2016)	Comparing the Effects of Cognitive Stimulation, Reminiscence, and Aroma-Massage on Agitation and Depressive Mood in People With Dementia	Not an RCT, and related to a question where only RCT evidence was included
Yokoi (2017)	Transcranial direct current stimulation for depression in Alzheimer's disease patient-preliminary data from the ongoing randomized controlled trial	Abstract or conference abstract
Zmuc (2016)	Treating agitation and aggression in patients with Alzheimer's disease with escitalopram	Letter to the editor
Zumbansen (2017)	Effect of choir activity in the rehabilitation of aphasia: a blind, randomised, controlled pilot study	Not a population of people with a diagnosis of dementia.