

Supplementary Material

Key Intervention Categories to Provide Person-Centered Dementia Care: A Systematic Review of Person-Centered Interventions

Supplementary Table 1. PRISMA 2009 Checklist

Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	1	Identify the report as a systematic review, meta-analysis, or both.	1
ABSTRACT			
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	3
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	5-6
Objectives	4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	6
METHODS			
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.	7
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale.	7
Information sources	7	Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.	7
Search	8	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	7
Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	8

Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	8
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	N/A
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.	8
Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).	N/A
Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I^2) for each meta-analysis.	8-9
Risk of bias across studies	15	Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies).	8
Additional analyses	16	Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.	N/A
RESULTS			
Study selection	17	Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram.	9
Study characteristics	18	For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.	9-10
Risk of bias within studies	19	Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12).	10-11
Results of individual studies	20	For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot.	N/A
Synthesis of results	21	Present results of each meta-analysis done, including confidence intervals and measures of consistency.	11-13
Risk of bias across studies	22	Present results of any assessment of risk of bias across studies (see Item 15).	10-11
Additional analysis	23	Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).	N/A
DISCUSSION			
Summary of evidence	24	Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers).	14

Limitations	25	Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias).	17-20
Conclusions	26	Provide a general interpretation of the results in the context of other evidence, and implications for future research.	20
FUNDING			
Funding	27	Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.	20

Note: Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009) Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. *PLoS Med* 6, e1000097. For more information, visit: www.prisma-statement.org.

Supplementary Material 2. Search Strategy

PubMed

Dimension 1 - Dementia:

"Dementia"[Mesh] OR dementia[tiab] OR "Alzheimer disease"[tiab] OR "alzheimer's disease"[tiab]

MeSH-terms: "Dementia"[Mesh]

AND

Dimension 2 – Person-centered care:

"Patient-Centered Care"[Mesh] OR "patient-centered care"[tiab] OR "patient centered care"[tiab] OR "patient-centred care"[tiab] OR "patient centred care"[tiab] OR "patient-centered nursing"[tiab] OR "patient centered nursing"[tiab] OR "patient-centred nursing"[tiab] OR "patient centred nursing"[tiab] OR "patient-focused care"[tiab] OR "patient focused care"[tiab] OR "person-centered care"[tiab] OR "person-centred care"[tiab] OR "person centered care"[tiab] OR "person centred care"[tiab] OR "resident-centered care"[tiab] OR "resident centered care"[tiab] OR "resident-centred care"[tiab] OR "resident centred care"[tiab] OR "client-centered care"[tiab] OR "client centered care"[tiab] OR "client-centred care"[tiab] OR "client centred care"[tiab] OR "consumer-centered care"[tiab] OR "consumer centered care"[tiab] OR "person-focused care"[tiab] OR "person focused care"[tiab] OR "resident-focused care"[tiab] OR "resident focused care"[tiab] OR "client-focused care"[tiab] OR "client focused care"[tiab] OR "consumer-focused care"[tiab] OR "consumer focused care"[tiab] OR "person-directed care"[tiab] OR "person directed care"[tiab] OR "resident-directed care"[tiab] OR "resident directed care"[tiab] OR "client-directed care"[tiab] OR "client directed care"[tiab] OR "consumer-directed care"[tiab] OR "consumer directed care"[tiab] OR "consumer-driven care"[tiab] OR "consumer driven care"[tiab] OR "individualized care"[tiab] OR "individualised care"[tiab] OR "personalized care"[tiab] OR "personalised care"[tiab] OR "relationship-based care"[tiab] OR "relationship based care"[tiab] OR "relationship-centred care"[tiab] OR "relationship centred care"[tiab] OR "relationship-centered care"[tiab] OR "relationship centered care"[tiab]

MeSH-terms: "Patient-Centered Care"[Mesh]

AND

Dimension 3 – Intervention:

Therapeutics[MeSH] OR therap*[tiab] OR treatment*[tiab] OR intervention*[tiab] OR "non-pharmacological"[tiab] OR psychosocial[tiab]

MeSH-terms: Therapeutics[MeSH]

EMBASE

Dimension 1 - Dementia:

'dementia'/exp OR 'dementia':ti,ab OR 'alzheimer disease':ti,ab OR 'alzheimers disease':ti,ab
Emtree: 'Dementia'

AND

Dimension 2 – Person-centered care:

'patient-centered care':ti,ab OR 'patient centered care':ti,ab OR 'patient-centred care':ti,ab OR
'patient centred care':ti,ab OR 'patient-centered nursing':ti,ab OR 'patient centered nursing':ti,ab
OR 'patient-centred nursing':ti,ab OR 'patient centred nursing':ti,ab OR 'patient-focused
care':ti,ab OR 'patient focused care':ti,ab OR 'person-centered care':ti,ab OR 'person-centred
care':ti,ab OR 'person centered care':ti,ab OR 'person centred care':ti,ab OR 'resident-centered
care':ti,ab OR 'resident centered care':ti,ab OR 'resident-centred care':ti,ab OR 'resident centred
care':ti,ab OR 'client-centered care':ti,ab OR 'client centered care':ti,ab OR 'client-centred
care':ti,ab OR 'client centred care':ti,ab OR 'consumer-centered care':ti,ab OR 'consumer centered
care':ti,ab OR 'person-focused care':ti,ab OR 'person focused care':ti,ab OR 'resident-focused
care':ti,ab OR 'resident focused care':ti,ab OR 'client-focused care':ti,ab OR 'client focused
care':ti,ab OR 'consumer-focused care':ti,ab OR 'consumer focused care':ti,ab OR 'person-
directed care':ti,ab OR 'person directed care':ti,ab OR 'resident-directed care':ti,ab OR 'resident
directed care':ti,ab OR 'client-directed care':ti,ab OR 'client directed care':ti,ab OR 'consumer-
directed care':ti,ab OR 'consumer directed care':ti,ab OR 'consumer-driven care':ti,ab OR
'consumer driven care':ti,ab OR 'individualized care':ti,ab OR 'individualised care':ti,ab OR
'personalized care':ti,ab OR 'personalised care':ti,ab OR 'relationship-based care':ti,ab OR
'relationship based care':ti,ab OR 'relationship-centred care':ti,ab OR 'relationship centred
care':ti,ab OR 'relationship-centered care':ti,ab OR 'relationship centered care':ti,ab
→ No translation of MeSH term "Patient-Centered Care" as no respective Emtree-term to be
identified.

AND

Dimension 3 – Intervention

'therapy'/exp OR 'therap*':ti,ab OR treatment*:ti,ab OR intervention*:ti,ab OR 'non-
pharmacological':ti,ab OR 'psychosocial':ti,ab
Emtree-terms: 'therapy'/exp

Web of Science

→ *No controlled vocabulary in Web of Science*

Dimension 1 - Dementia:

TS=dementia OR TS="Alzheimer disease" OR TS="Alzheimer's disease" OR
TS="Alzheimers disease" NOT TS=animal*

AND

Dimension 2 – Person-centered care:

TS="patient-centered care" OR TS="patient centered care" OR TS="patient-centred care"
OR TS="patient centred care" OR TS="patient-centered nursing" OR TS="patient centered
nursing" OR TS="patient-centred nursing" OR TS="patient centred nursing" OR
TS="patient-focused care" OR TS="patient focused care" OR TS="person-centered care"
OR TS="person-centred care" OR TS="person centered care" OR TS="person centred
care" OR TS="resident-centered care" OR TS="resident centered care" OR TS="resident-
centred care" OR TS="resident centred care" OR TS="client-centered care" OR
TS="client centered care" OR TS="client-centred care" OR TS="client centred care" OR
TS="consumer-centered care" OR TS="consumer centered care" OR TS="person-focused
care" OR TS="person focused care" OR TS="resident-focused care" OR TS="resident
focused care" OR TS="client-focused care" OR TS="client focused care" OR
TS="consumer-focused care" OR TS="consumer focused care" OR TS="person-directed
care" OR TS="person directed care" OR TS="resident-directed care" OR TS="resident
directed care" OR TS="client-directed care" OR TS="client directed care" OR
TS="consumer-directed care" OR TS="consumer directed care" OR TS="consumer-driven
care" OR TS="consumer driven care" OR TS="individualized care" OR
TS="individualised care" OR TS="personalized care" OR TS="personalised care" OR
TS="relationship-based care" OR TS="relationship based care" OR TS="relationship-centred
care" OR TS="relationship centred care" OR TS="relationship-centered care" OR
TS="relationship centered care"

AND

Dimension 3 – Intervention

TS=therap* OR TS=treatment* OR TS=intervention* OR TS="non-pharmacological" OR
TS=psychosocial