

Additional File 1: Search Strategy
COGNITIVE IMPAIRMENT AND
FALLS STRATEGIES
April 24, 2020

MEDLINE

Database: OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

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- 1 (falls or faller or fall-related injury or fall prevention or falling or fell or slip* or trip* or stumble* or tumble*).ti,ab,kw. (390522)
 - 2 Accidental Falls/ (23785)
 - 3 exp Hip Fractures/ (23653)
 - 4 hip fracture?.ti,ab,kw. (16089)
 - 5 or/1-4 (425636)
 - 6 exp cognition disorders/ or delirium/ or exp dementia/ or exp dyslexia, acquired/ (233743)
 - 7 (cognitive* adj3 (impair* or dysfunction* or disorder?)).tw. (89832)
 - 8 (dementia or alzheimer* or delirium or Lewy body or lewy bodies or acquired dyslexia).ti,ab,kw. (228229)
 - 9 or/6-8 (357690)
 - 10 5 and 9 (8716)
 - 11 exp aged/ (3081904)
 - 12 middle aged/ (4299639)
 - 13 (adult? or individual? or elderly or middle aged or patient? or participant?).tw. (8674917)
 - 14 or/11-13 (10317241)
 - 15 10 and 13 (6319)

EMBASE

Search Strategy:

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- 1 (falls or faller or fall-related injury or fall prevention or falling or fell or slip* or trip* or stumble* or tumble*).ti,ab,kw. (489853)
 - 2 falling/ (39901)
 - 3 exp hip injury/ (45150)
 - 4 hip fracture?.ti,ab,kw. (23268)
 - 5 or/1-4 (551697)
 - 6 exp cognitive defect/ (482427)
 - 7 exp delirium/ (30412)
 - 8 exp alexia/ (1351)
 - 9 (cognitive* adj3 (impair* or dysfunction* or disorder?)).tw. (140048)
 - 10 (dementia or alzheimer* or delirium or Lewy body or lewy bodies or acquired dyslexia).ti,ab,kw. (327336)
 - 11 or/6-10 (584438)
 - 12 5 and 11 (17973)
 - 13 middle aged/ (1489589)
 - 14 aged/ or frail elderly/ or very elderly/ (2940516)
 - 15 (adult? or individual? or elderly or middle aged or patient? or participant?).tw. (11970503)

- 16 or/13-15 (12948341)
- 17 12 and 16 (14171)

PSYCINFO

Database: APA PsycInfo <1806 to April Week 2 2020>

Search Strategy:

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- 1 (falls or faller or fall-related injury or fall prevention or falling or fell or slip* or trip* or stumble* or tumble*).ti,ab. (46759)
 - 2 falls/ (2827)
 - 3 hips/ and injuries/ (341)
 - 4 hip fracture?.ti,ab. (952)
 - 5 or/1-4 (47762)
 - 6 cognitive impairment/ (36298)
 - 7 exp dementia/ (76142)
 - 8 alzheimer's disease/ (46104)
 - 9 delirium/ (3292)
 - 10 (dementia or alzheimer* or delirium or Lewy body or lewy bodies or acquired dyslexia).ti,ab. (101697)
 - 11 (cognitive* adj3 (impair* or dysfunction* or disorder?)).tw. (55353)
 - 12 or/6-11 (148802)
 - 13 5 and 12 (2825)

COCHRANE

- | ID | Search Hits |
|-----|---|
| #1 | MeSH descriptor: [Accidental Falls] explode all trees 1413 |
| #2 | MeSH descriptor: [Hip Fractures] explode all trees 1581 |
| #3 | falls or faller or fall-related injury or fall prevention or falling or fell or slip* or trip* or stumble* or tumble* 40978 |
| #4 | hip fracture* 5784 |
| #5 | #1 or #2 or #3 or #4 46088 |
| #6 | MeSH descriptor: [Cognition Disorders] explode all trees 4913 |
| #7 | MeSH descriptor: [Dementia] explode all trees 5736 |
| #8 | MeSH descriptor: [Delirium] explode all trees 710 |
| #9 | MeSH descriptor: [Dyslexia, Acquired] explode all trees 10 |
| #10 | dementia or alzheimer* or delirium or Lewy body or lewy bodies or acquired dyslexia 27884 |
| #11 | (cognitive* near/3 (impair* or dysfunction* or disorder?)) 14757 |
| #12 | #6 or #7 or #8 or #9 or #10 or #11 461299 |
| #13 | #5 and #12 20701 |
| #14 | MeSH descriptor: [Middle Aged] explode all trees 9402 |
| #15 | MeSH descriptor: [Aged] explode all trees 7469 |
| #16 | adult? or individual? or elderly or middle aged or patient? or participant? 1217342 |
| #17 | #14 or #15 or 16 217836 |
| #18 | #13 and #17 8654 |

WEB OF SCIENCE

Search History:

Search History						
Set	Results	Save History / Create Alert	Open Saved History	Edit Sets	Combine Sets AND OR Combine	Delete Sets Select All Delete
# 3	7,582	#2 OR #1		Edit		
<i>Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years</i>						
# 2	839	TI=(cognitive impairment OR Alzheimer* OR dementia OR delirium or acquired dyslexia) AND TI= (fall* OR hip fracture*)		Edit		
<i>Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years</i>						
# 1	7,582	TS=(cognitive impairment OR Alzheimer* OR dementia OR delirium or acquired dyslexia) AND TS= (fall* OR hip fracture*)		Edit		
<i>Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years</i>						

SCIENCE DIRECT

Cognitive impairment and falls

Dementia and falls

Delirium and falls

Acquired dyslexia and falls

Alzheimer and falls



#	Query	Limiters/Expanders	Last Run Via	Results
S15	S11 AND S14	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	6,114
S14	S12 OR S13	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	3,552,831
S13	TX (adult* or individual* or elderly or middle aged or patient* or participant*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	3,552,740
S12	(MH "Aged+") OR (MH "Middle Age")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	1,340,547
S11	S5 AND S10	Expanders - Apply equivalent subjects	Interface - EBSCOhost	6,835

		Search modes - Boolean/Phrase	Research Databases Search Screen - Advanced Search Database - CINAHL	
S10	S6 OR S7 OR S8 OR S9	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	148,266
S9	TX (cognitive* n3 (impair* or dysfunction* or disorder*))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	36,921
S8	TX (dementia or alzheimer* or delirium or Lewy body or lewy bodies or acquired dyslexia)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	111,590
S7	(MH "Dyslexia, Pure (Acquired)") OR (MH "Dyslexia, Surface (Acquired)")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	10
S6	(MH "Cognition Disorders+") OR (MH "Dementia+")	Expanders - Apply equivalent subjects Search modes -	Interface - EBSCOhost Research Databases	107,698

	OR (MH "Delirium")	Boolean/Phrase	Search Screen - Advanced Search Database - CINAHL	
S5	S1 OR S2 OR S3 OR S4	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	146,614
S4	TX hip fracture*	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	13,333
S3	TX falls or faller or fall-related injury or fall prevention or falling or fell or slip* or trip* or stumble* or tumble*	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	135,201
S2	(MH "Hip Fractures+")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	10,625
S1	(MH "Accidental Falls")	Expanders - Apply equivalent subjects Search modes -	Interface - EBSCOhost Research Databases	24,279

Boolean/Phrase

Search Screen -
Advanced Search
Database - CINAHL