

Supplemental Material

Hearing Screening for Residents in Long-Term Care Homes Who Live with Dementia

Database Search Strategies

Ovid MEDLINE(R)

- 1 exp Hearing Tests/
- 2 ((hearing or audito* or audiolog*) adj2 (test* or screen* or assess* or eval*)).tw,kw.

- 3 exp Hearing Disorders/di [Diagnosis]
- 4 exp Deaf-Blind Disorders/di
- 5 ("dual sensor*" adj2 (test* or screen* or assess* or eval*)).tw,kw.
- 6 Persons With Hearing Impairments/
- 7 exp Diagnosis/
- 8 6 and 7
- 9 1 or 2 or 3 or 4 or 5 or 8

- 10 Long-Term Care/
- 11 long term care.tw,kw.
- 12 exp Nursing Homes/
- 13 nursing home*.tw,kw.
- 14 Homes for the Aged/
- 15 old age home*.tw,kw.
- 16 aged care facilit*.tw,kw.
- 17 10 or 11 or 12 or 13 or 14 or 15 or 16

- 18 exp Dementia/
- 19 Delirium, Dementia, Amnestic, Cognitive Disorders/

- 20 (dement* or alzheimer*).mp,kw.
- 21 18 or 19 or 20
- 22 exp Neurodegenerative Diseases/
- 23 (degenerative adj2 neurologic adj2 (disorder* or disease*)).tw,kw.
- 24 (neurodegenerative adj2 (disorder* or disease*)).tw,kw.
- 25 22 or 23 or 24
- 26 exp aged/
- 27 (aged or elder or elderly or geriatric or older or senescent).tw,kw.
- 28 26 or 27
- 29 25 and 28
- 30 9 and 17
- 31 9 and 21
- 32 9 and 29
- 33 30 or 31 or 32
- 34 limit 33 to yr="1995 -Current"

Embase Classic+Embase

- 1 auditory system examination/ or exp hearing test/
- 2 ((hearing or audito* or audiolog*) adj2 (test* or screen* or assess* or eval*)).tw.
- 3 exp hearing disorder/di
- 4 deafblindness/di
- 5 ("dual sensor*" adj2 (test* or screen* or assess* or eval*)).tw.
- 6 1 or 2 or 3 or 4 or 5
- 7 Long-Term Care/
- 8 long term care.tw.

9 nursing home/
10 nursing home*.tw.
11 home for the aged/
12 old age home*.tw.
13 aged care facilit*.tw.
14 7 or 8 or 9 or 10 or 11 or 12 or 13
15 exp dementia/
16 (dement* or alzheimer*).mp.
17 15 or 16
18 exp degenerative disease/
19 (degenerative adj2 neurologic adj2 (disorder* or disease*)).tw.
20 (neurodegenerative adj2 (disorder* or disease*)).tw.
21 18 or 19 or 20
22 exp aged/
23 (aged or elder or elderly or geriatric or older or senescent).tw.
24 22 or 23
25 21 and 24
26 6 and 14
27 6 and 17
28 6 and 25
29 26 or 27 or 28
30 limit 29 to yr="1995 -Current"
31 limit 30 to (conference abstract or conference paper or conference proceeding or
"conference review" or editorial)
32 30 not 31

PsycINFO

- 1 perceptual measures/ or exp audiometry/ or auditory thresholds/ or bone conduction audiometry/ or "speech and hearing measures"/
- 2 perception/ or exp auditory perception/
- 3 ((hearing or audito* or audiolog*) adj2 (test* or screen* or assess* or eval*)).tw.
- 4 exp hearing disorders/
- 5 deaf blind/
- 6 4 or 5
- 7 exp diagnosis/
- 8 screening tests/
- 9 screening/
- 10 health screening/ or physical examination/
- 11 7 or 8 or 9 or 10
- 12 6 and 11
- 13 ("dual sensor*" adj2 (test* or screen* or assess* or eval*)).tw.
- 14 1 or 2 or 3 or 4 or 12 or 13
- 15 long term care/
- 16 long term care.tw.
- 17 nursing homes/
- 18 nursing home*.tw.
- 19 residential care institutions/
- 20 old age home*.tw.
- 21 aged care facilit*.tw.
- 22 15 or 16 or 17 or 18 or 19 or 20 or 21

- 23 exp dementia/
24 alzheimer's disease/
25 (dement* or alzheimer*).mp.
26 23 or 24 or 25
27 exp neurodegenerative diseases/
28 (degenerative adj2 neurologic adj2 (disorder* or disease*)).tw.
29 (neurodegenerative adj2 (disorder* or disease*)).tw.
30 27 or 28 or 29
31 limit 30 to ("380 aged <age 65 yrs and older>" or "390 very old <age 85 yrs and
older>")
32 (aged or elder or elderly or geriatric or older or senescent).tw.
33 30 and 32
34 31 or 33
35 14 and 22
36 14 and 26
37 14 and 34
38 35 or 36 or 37
39 limit 38 to (abstract collection or chapter or "column/opinion" or editorial or review-
book or review-media or review-software & other)
40 38 not 39
41 limit 40 to yr="1995 -Current"

Cochrane Central Register of Controlled Trials

- 1 exp Hearing Tests/
2 ((hearing or audito* or audiolog*) adj2 (test* or screen* or assess* or eval*)).tw,kw.

3 exp Hearing Disorders/di [Diagnosis]
4 exp Deaf-Blind Disorders/di
5 ("dual sensor*" adj2 (test* or screen* or assess* or eval*)).tw,kw.
6 Persons With Hearing Impairments/
7 exp Diagnosis/
8 6 and 7
9 1 or 2 or 3 or 4 or 5 or 8
10 Long-Term Care/
11 long term care.tw,kw.
12 exp Nursing Homes/
13 nursing home*.tw,kw.
14 Homes for the Aged/
15 old age home*.tw,kw.
16 aged care facilit*.tw,kw.
17 10 or 11 or 12 or 13 or 14 or 15 or 16
18 exp Dementia/
19 Delirium, Dementia, Amnestic, Cognitive Disorders/
20 (dement* or alzheimer*).mp,kw.
21 18 or 19 or 20
22 exp Neurodegenerative Diseases/
23 (degenerative adj2 neurologic adj2 (disorder* or disease*)).tw,kw.
24 (neurodegenerative adj2 (disorder* or disease*)).tw,kw.
25 22 or 23 or 24
26 exp aged/
27 (aged or elder or elderly or geriatric or older or senescent).tw,kw.

- 28 26 or 27
- 29 25 and 28
- 30 9 and 17
- 31 9 and 21
- 32 9 and 29
- 33 30 or 31 or 32
- 34 limit 33 to yr="1995 -Current"

CINAHL with Full Text

- S1 (MH "Hearing Tests+")
- S2 ((hearing or audito* or audiolog*) n2 (test* or screen* or assess* or eval*))
- S3 (MH "Hearing Disorders+/DI")
- S4 (MH "Deaf-Blind Disorders+/DI")
- S5 ("dual sensor*" n2 (test* or screen* or assess* or eval*))
- S6 S1 OR S2 OR S3 OR S4 OR S5
- S7 (MH "Long Term Care")
- S8 long term care
- S9 (MH "Nursing Homes+")
- S10 (MH "Nursing Home Patients")
- S11 nursing home*
- S12 old age home*
- S13 aged care facilit*
- S14 S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13
- S15 (MH "Dementia+")
- S16 (MH "Delirium, Dementia, Amnestic, Cognitive Disorders")

S17 (MH "Alzheimer's Disease")

S18 (dement* or alzheimer*)

S19 S15 OR S16 OR S17 OR S18

S20 (MH "Neurodegenerative Diseases+")

S21 (degenerative n2 neurologic n2 (disorder* or disease*))

S22 (neurodegenerative n2 (disorder* or disease*))

S23 S20 OR S21 OR S22

S24 (MH "Aged+")

S25 (aged or elder or elderly or geriatric or older or senescent)

S26 S24 OR S25

S27 S23 AND S26

S28 S6 AND S14

S29 S6 AND S19

S30 S6 AND S27

S31 S28 OR S29 OR S30

S32 S28 OR S29 OR S30