

Multimedia Appendix 1: Search Terms

Database: Ovid MEDLINE

Date: April 19, 2017

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- 1 internet/ or blogging/ or social media/ (60735)
 - 2 Social Networking/ (1672)
 - 3 electronic mail/ or text messaging/ (3328)
 - 4 Telecommunications/ (4555)
 - 5 (internet or web or social media or blog* or social networking or twitter* or tweet* or online or instant* messag* or text messag* or text or texts or texting or facebook* or myspace or linkedin or email* or e-mail* or electronic mail or app or apps or message board* or electronic or e-health or telecommunication*).ti,ab. (357437)
 - 6 webcasts/ (415)
 - 7 (webcast* or podcast* or streaming video* or RSS or really simple syndication or youtube).ti,ab. (2638)
 - 8 or/1-7 (383983)
 - 9 Caregivers/ (25701)
 - 10 Family/ or adult children/ (67923)
 - 11 Spouses/ (8034)
 - 12 (carer* or caretaker* or care-giver* or caregiver*).ti,ab. (54171)
 - 13 (adult child* or spous*).ti,ab. (16966)
 - 14 or/9-13 (141686)
 - 15 exp adult/ (6118268)
 - 16 (adult or adults or senior* or elderly or frail).ti,ab. (1118076)
 - 17 exp Dementia/ (134639)
 - 18 (dementia* or alzheimer*).ti,ab. (157049)
 - 19 or/15-18 (6720735)
 - 20 8 and 14 and 19 (2272)
 - 21 limit 20 to english language (2180)
 - 22 limit 21 to yr="1995 -Current" (2153)
 - 23 remove duplicates from 22 (2044)

Database: Embase

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- 1 Internet/ (86662)
 - 2 internet.ti,ab. (46608)
 - 3 web.ti,ab. (80187)
 - 4 social media/ (6199)
 - 5 social media.ti,ab. (4199)
 - 6 blog*.ti,ab. (1585)
 - 7 (app or apps).ti,ab. (21008)
 - 8 twitter*.ti,ab. (1501)
 - 9 tweet*.ti,ab. (709)
 - 10 online.ti,ab. (75752)

11 message board*.ti,ab. (173)
 12 instant* messag*.ti,ab. (215)
 13 text messaging/ (2096)
 14 text messag*.ti,ab. (2373)
 15 text*.ti,ab. (100263)
 16 facebook.ti,ab. (2190)
 17 myspace.ti,ab. (102)
 18 linkedin.ti,ab. (107)
 19 e-mail/ (12518)
 20 email*.ti,ab. (10097)
 21 e-mail.ti,ab. (8589)
 22 webcast/ (236)
 23 electronic.ti,ab. (162519)
 24 social networking.ti,ab. (1873)
 25 (webcast* or podcast* or streaming video* or RSS or really simple syndication or
 youtube).ti,ab. (3719)
 26 or/1-25 (493688)
 27 caregiver/ (51625)
 28 (carer* or care giver* or caregiver* or caretaker*).ti,ab. (73729)
 29 family/ (81236)
 30 adult child/ (766)
 31 spouse/ (11977)
 32 (adult child* or spous*).ti,ab. (20848)
 33 or/27-32 (179855)
 34 exp adult/ (6168919)
 35 pensioner/ (1165)
 36 (adult or adults or middle aged or elderly or frail or pensioner*).ti,ab. (1425353)
 37 exp Dementia/ (272277)
 38 (dementia* or Alzheimer*).ti,ab. (213222)
 39 or/34-38 (6927245)
 40 26 and 33 and 39 (3077)
 41 limit 40 to (english language and yr="1995 -Current") (2947)

Database: PsycINFO

1 internet/ (25287)
 2 social media/ or electronic communication/ or online social networks/ or exp computer
 mediated communication/ (13808)
 3 electronic communication/ or blog/ or text messaging/ (3420)
 4 (internet or web or social media or blog* or social networking or twitter* or tweet* or online
 or instant* messag* or text messag* or text or texts or texting or facebook* or myspace or
 linkedin or email* or e-mail* or electronic mail or app or apps or message board* or electronic
 or e-health or telecommunication*).ti,ab. (162560)
 5 (webcast* or podcast* or streaming video* or RSS or really simple syndication or
 youtube).ti,ab. (1350)

6 or/1-5 (166818)
 7 caregivers/ (22080)
 8 FAMILY/ (35407)
 9 adult offspring/ (3677)
 10 SPOUSES/ (8003)
 11 (carer* or caretaker* or care-giver* or caregiver*).ti,ab. (44136)
 12 (adult child* or spous*).ti,ab. (19842)
 13 or/7-12 (101151)
 14 (adult or adults or senior* or elderly or frail or middle aged).ti,ab. (338325)
 15 exp DEMENTIA/ (59133)
 16 (dementia* or alzheimer*).ti,ab. (73421)
 17 or/14-16 (396607)
 18 6 and 13 and 17 (1035)
 19 limit 18 to (english language and yr="1995 -Current") (971)

Database Name: Cochrane Database

ID	Search Hits	
#1	MeSH descriptor: [Internet] explode all trees	2567
#2	MeSH descriptor: [Social Networking] this term only	38
#3	MeSH descriptor: [Electronic Mail] explode all trees	241
#4	MeSH descriptor: [Text Messaging] explode all trees	281
#5	MeSH descriptor: [Telecommunications] this term only	92
#6	(internet or web or social media or blog* or social networking or twitter* or tweet* or online or instant* messag* or text messag* or text or texts or texting or facebook* or myspace or linkedin or email* or e-mail* or electronic mail or app or apps or message board* or electronic or e-health or telecommunication*).ti,ab,kw (Word variations have been searched)	21220
#7	MeSH descriptor: [Webcasts] this term only	0
#8	(webcast* or podcast* or streaming video* or RSS or really simple syndication or youtube).ti,ab,kw (Word variations have been searched)	210
#9	S #1 or S #2 or S #3 or S #4 or S #5 or S #6 or S #7 or S #8	14057
#10	MeSH descriptor: [Caregivers] this term only	1485
#11	MeSH descriptor: [Family] this term only	1163
#12	MeSH descriptor: [Adult Children] this term only	19
#13	MeSH descriptor: [Spouses] this term only	257
#14	(carer* or caretaker* or care-giver* or caregiver*).ti,ab,kw (Word variations have been searched)	5497
#15	(adult child* or spous*).ti,ab,kw (Word variations have been searched)	27496
#16	s #10 or s #11 or s #12 or s #13 or S #14 or S #15	22270
#17	MeSH descriptor: [Adult] explode all trees	1574
#18	(adult or adults or senior* or elderly or frail).ti,ab,kw (Word variations have been searched)	417305
#19	MeSH descriptor: [Dementia] explode all trees	4287
#20	(dementia* or alzheimer*).ti,ab,kw (Word variations have been searched)	9936
#21	s #17 or s #18 or S #19 or S #20	261413

Database CINAHL

#	Query	Limiters/Expanders	Last Run Via	Results
S25	S11 AND S17 AND S22	Limiters	Published Date:	1995010120161231; English Language
S24	S11 AND S17 AND S22	Limiters	Published Date:	1995010120170419
S23	S11 AND S17 AND S22	Search modes	Boolean/Phrase	
S22	S18 OR S19 OR S20 OR S21			
S21	TI ((dementia* or alzheimer*)) OR AB ((dementia* or alzheimer*))			
S20	(MH "Dementia+")			
S19	TI ((adult or adults or senior* or elderly or frail or pensioner* or middle aged)) OR AB ((adult or adults or senior* or elderly or frail or pensioner* or middle aged))			
S18	(MH "Adult+")			
S17	S12 OR S13 OR S14 OR S15 OR S16			
S16	TI ((adult child* or spous*)) OR AB ((adult child* or spous*))			
S15	(MH "Spouses")			
S14	(MH "Family") OR (MH "Adult Children")			
S13	TI ((carer* or caretaker* or caregiver* or caregiver*)) OR AB ((carer* or caretaker* or caregiver* or caregiver*))			
S12	(MH "Caregivers")			
S11	OR S5 OR S6 OR S7 OR S8 OR S9 OR S10			
S10	(MH "Social Networking")			
S9	(MH "Webcasts+")			
S8	TI ((webcast* or podcast* or streaming video* or RSS or really simple syndication or youtube)) OR AB ((webcast* or podcast* or streaming video* or RSS or really simple syndication or youtube))			
S7	TI ((internet or web or social media or blog* or social networking or twitter* or tweet* or online or instant* messag* or text messag* or text or texts or texting or facebook* or myspace or linkedin or email* or email* or electronic mail or app or apps or message board* or electronic or ehealth or telecommunication*)) OR AB ((internet or web or social media or blog* or social networking or twitter* or tweet* or online or instant* messag* or text messag* or text or texts or texting or facebook* or myspace or linkedin or email* or email* or electronic mail or app or apps or message board* or electronic or ehealth or telecommunication*))			
S6	(MH "Social Media")			
S5	(MH "Electronic Mail")			
S4	(MH "Blogs")			
S3	(MH "World Wide Web Applications")			

S2 (MH "World Wide Web")

S1 (MH "Internet") Search modes Boolean/Phrase
Interface EBSCOhost Research Databases Search Screen Advanced Search

Database Name: Ageline

S1 ((DE "Internet") OR (AB
(internet OR web OR
social media OR blog* OR
social networking OR
twitter* OR tweet* OR
online OR instant*
messag* OR text messag*
OR text OR texts OR
texting OR facebook* OR
myspace OR linkedin OR
email* OR e-mail* OR
electronic mail OR app
OR apps OR message
board* OR electronic OR
e-health OR
telecommunication*)) OR
(AB (webcast* OR
podcast* OR streaming
video* OR RSS OR really
simple syndication OR
youtube))) AND ((DE
"Caregivers") OR (DE
"Adult Children" OR DE
"Spouses") OR (AB
(carer* OR caretaker* OR
care-giver* OR
caregiver*)) OR (AB (adult
child* OR spous*))) AND
((DE "Adults of All Ages")
OR (AB (adult OR adults
OR senior* OR elderly OR
frail)) OR (DE "Dementia"
OR DE "Alzheimers
Disease" OR DE "Early
Onset Dementia" OR DE
"Frontotemporal
Dementia" OR DE "Lewy
Body Dementia" OR DE
"Vascular Dementia") OR
(AB (dementia* OR

alzheimer*))
Results 3,082