## **Supplementary Material**

# Technology-Based Counselling for People with Dementia and Their Informal Carers: A Systematic Review and Meta-Analysis

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#### **CHAPTER A: SEARCH STRATEGY**

**Supplementary Table 1.** Search strategy CINAHL (April 22, 2021)

#	Entry	Hits
1	TI DEMENT* OR TI ALZHEIMER* OR TI "MAJOR NEUROCOGNITIVE DISORDER*" OR AB DEMENT* OR AB	97882
1	ALZHEIMER* OR AB "MAJOR NEUROCOGNITIVE DISORDER*" OR AB DEMENT* OR AB	9/882
•		(1207)
2	TI APP OR TI APPS OR TI "AUGMENTED REALIT*" OR TI "BLENDED TREATMENT" OR TI "BLENDED	612076
	THERAPY" OR TI BLOG OR TI "CELL PHONE*" OR TI CELLPHONE* OR TI CHAT OR TI CHATS OR TI	
	CHATBOT* OR TI COMPUTER* OR TI DIGITAL* OR TI "E COUNSELING" OR TI ECOUNSELING OR TI E-	
	COUNSELING OR TI "E COUNSELLING" OR TI ECOUNSELLING OR TI E-COUNSELLING OR TI "E HEALTH"	
	OR TI EHEALTH OR TI E-HEALTH OR TI ELECTRONIC* OR TI EMAIL* OR TI E-MAIL* OR TI FACEBOOK OR	
	TI ICT OR TI INTERNET OR TI MESSENGER OR TI MHEALTH OR TI M-HEALTH OR TI "MOBILE DEVICE"	
	OR TI "MOBILE HEALTH" OR TI "MOBILE PHONE" OR TI "MOBILE-HEALTH" OR TI ONLINE* OR TI PHONE	
	OR TI REMOTE OR TI SKYPE OR TI SMARTPHONE* OR TI SMS OR TI "SOCIAL MEDIA" OR TI TABLET OR	
	TI TABLETS OR TI TECHNOLOG* OR TI "TELE HOME CARE" OR TI "TELE MEDICINE" OR TI TELECARE OR	
	TI TELE-CARE OR TI TELECARING OR TI TELE-CARING OR TI TELECOMMUNICATION OR TI	
	TELECONFERENCE* OR TI TELE-CONFERENCE* OR TI TELECONSULTATION* OR TI TELE-	
	CONSULTATION* OR TI TELEHEALTH OR TI TELE-HEALTH OR TI TELEMEDICINE OR TI TELENURSE OR	
	TI TELENURSING OR TI TELEPHONE OR TI TELEPHONES OR TI TELEPRESENCE OR TI TELEPRESENT OR	
	TI TELEREHABILITATION OR TI TELE-REHABILITATION OR TI TELETHERAP* OR TI TELE-THERAP* OR TI	
	TELETREATMENT OR TI TELE-TREATMENT OR TI VIDEOCONFERENCE OR TI VIDEOCONFERENCES OR	
	TI VIRTUAL OR TI "WEB BASED" OR TI WEBBASED OR TI WEB-BASED OR TI "WORLD WIDE WEB" OR AB	
	APP OR AB APPS OR AB "AUGMENTED REALIT*" OR AB "BLENDED TREATMENT" OR AB "BLENDED	
	THERAPY" OR AB BLOG OR AB "CELL PHONE*" OR AB CELLPHONE* OR AB CHAT OR AB CHATS OR AB	
	CHATBOT* OR AB COMPUTER* OR AB DIGITAL* OR AB "E COUNSELING" OR AB ECOUNSELING OR AB	
	E-COUNSELING OR AB "E COUNSELLING" OR AB ECOUNSELLING OR AB E-COUNSELLING OR AB "E	
	HEALTH" OR AB EHEALTH OR AB E-HEALTH OR AB ELECTRONIC* OR AB EMAIL* OR AB E-MAIL* OR AB	
	FACEBOOK OR AB ICT OR AB INTERNET OR AB MESSENGER OR AB MHEALTH OR AB M-HEALTH OR AB	
	"MOBILE DEVICE" OR AB "MOBILE HEALTH" OR AB "MOBILE PHONE" OR AB "MOBILE-HEALTH" OR AB	
	ONLINE* OR AB PHONE OR AB REMOTE OR AB SKYPE OR AB SMARTPHONE* OR AB SMS OR AB	
	"SOCIAL MEDIA" OR AB TABLET OR AB TABLETS OR AB TECHNOLOG* OR AB "TELE HOME CARE" OR	
	AB "TELE MEDICINE" OR AB TELECARE OR AB TELE-CARE OR AB TELECARING OR AB TELE-CARING OR	
	AB TELECOMMUNICATION OR AB TELECONFERENCE* OR AB TELE-CONFERENCE* OR AB	
	TELECONSULTATION* OR AB TELE-CONSULTATION* OR AB TELEHEALTH OR AB TELE-HEALTH OR AB	
	TELEMEDICINE OR AB TELENURSE OR AB TELENURSING OR AB TELEPHONE OR AB TELEPHONES OR	
	AB TELEPRESENCE OR AB TELEPRESENT OR AB TELEREHABILITATION OR AB TELE-REHABILITATION	
	OR AB TELETHERAP* OR AB TELE-THERAP* OR AB TELETREATMENT OR AB TELE-TREATMENT OR AB	
	VIDEOCONFERENCE OR AB VIDEOCONFERENCES OR AB VIRTUAL OR AB "WEB BASED" OR AB	
	WEBBASED OR AB WEB-BASED OR AB "WORLD WIDE WEB" OR MH TELEMEDICINE+ OR MH	
	TELENURSING+ OR MH TECHNOLOGY+ OR MH VIRTUAL REALITY+ OR MH TELECOMMUNICATIONS+	
	OR MH VIDEOCONFERENCING+ OR MH TELEREHABILITATION+ OR MH INTERNET-BASED	
	INTERVENTION+ OR MH SOCIAL MEDIA+ OR MH INFORMATION TECHNOLOGY+ OR MH REMOTE	
	CONSULTATION+ OR MH TELEPHONE+ OR MH CELL PHONE+	
3	TI ADVICE* OR TI ADVISE* OR TI ADVISING OR TI COACH* OR TI CONSULT* OR TI COUNSELLING OR TI	575744
	COUNSELING OR TI INSTRUCT* OR TI GUIDANCE* OR TI GUIDE* OR TI MENTORING OR TI "PASTORAL	
	CARE" OR TI "SOCIAL SUPPORT*" OR TI SUPERVIS* OR TI "SUPPORT SERVICE*" OR TI "TALKING	
	THERAP*" OR AB ADVICE* OR AB ADVISE* OR AB ADVISING OR AB COACH* OR AB CONSULT* OR AB	
	COUNSELLING OR AB COUNSELING OR AB INSTRUCT* OR AB GUIDANCE* OR AB GUIDE* OR AB	
	MENTORING OR AB "PASTORAL CARE" OR AB "SOCIAL SUPPORT*" OR AB SUPERVIS* OR AB "SUPPORT	
	SERVICE*" OR AB "TALKING THERAP*" OR MH COUNSELING+ OR MH PSYCHOSOCIAL SUPPORT+	
4	1 AND 2 AND 3	962
5	TI SURGICAL OR TI SURGERY OR TI GENETI* OR TI PROTEOMIC* OR TI GENOMIC* OR TI PROTEIN* OR	643710
	TI NEUROIMAG* OR AB SURGICAL OR AB SURGERY OR AB GENETI* OR AB PROTEOMIC* OR AB	
	GENOMIC* OR AB PROTEIN* OR AB NEUROIMAG*	
6	4 NOT 5	895

## Supplementary Table 2. Search strategy CENTRAL via Cochrane Library (April 22, 2021)

#	Enty	Hits
1	(DEMENT* OR ALZHEIMER* OR "MAJOR NEUROCOGNITIVE DISORDER*"):TI,AB,KW	20011
2	EINGABE: SUCHKOMP (APP OR APPS OR "AUGMENTED REALIT*" OR "BLENDED TREATMENT" OR	193349
	"BLENDED THERAPY" OR BLOG OR "CELL PHONE*" OR CELLPHONE* OR CHAT OR CHATS OR	
	CHATBOT* OR COMPUTER* OR DIGITAL* OR "E COUNSELING" OR ECOUNSELING OR E-COUNSELING OR	
	"E COUNSELLING" OR ECOUNSELLING OR E-COUNSELLING OR "E HEALTH" OR EHEALTH OR E-HEALTH	
	OR ELECTRONIC* OR EMAIL* OR E-MAIL* OR FACEBOOK OR ICT OR INTERNET OR MESSENGER OR	
	MHEALTH OR M-HEALTH OR "MOBILE DEVICE" OR "MOBILE HEALTH" OR "MOBILE PHONE" OR	
	"MOBILE-HEALTH" OR ONLINE* OR PHONE OR REMOTE OR SKYPE OR SMARTPHONE* OR SMS OR	
	"SOCIAL MEDIA" OR TABLET OR TABLETS OR TECHNOLOG* OR "TELE HOME CARE" OR "TELE	
	MEDICINE" OR TELECARE OR TELE-CARE OR TELECARING OR TELE-CARING OR	
	TELECOMMUNICATION OR TELECONFERENCE* OR TELE-CONFERENCE* OR TELECONSULTATION* OR	
	TELE-CONSULTATION* OR TELEHEALTH OR TELE-HEALTH OR TELEMEDICINE OR TELENURSE OR	
	TELENURSING OR TELEPHONE OR TELEPHONES OR TELEPRESENCE OR TELEPRESENT OR	
	TELEREHABILITATION OR TELE-REHABILITATION OR TELETHERAP* OR TELE-THERAP* OR	
	TELETREATMENT OR TELE-TREATMENT OR VIDEOCONFERENCE OR VIDEOCONFERENCES OR VIRTUAL	
	OR "WEB BASED" OR WEBBASED OR WEB-BASED OR "WORLD WIDE WEB"):TI,AB,KW ONENTE 2	
3	(ADVICE* OR ADVISE* OR ADVISING OR COACH* OR CONSULT* OR COUNSELLING OR COUNSELING OR	168646
	NSTRUCT* OR GUIDANCE* OR GUIDE* OR MENTORING OR "PASTORAL CARE" OR "SOCIAL SUPPORT*"	
	OR SUPERVIS* OR "SUPPORT SERVICE*" OR "TALKING THERAP*"):TI,AB,KW	
4	1 AND 2 AND 3	802
5	(SURGICAL OR SURGERY OR GENETI* OR PROTEOMIC* OR GENOMIC* OR PROTEIN* OR	359548
	NEUROIMAG*):TI.AB,KW	
6	4 NOT 5	692

Supplementary Table 3. Search strategy MEDLINE via PubMed (April 22, 2021)

#	Fater	II:4a
	Entry	Hits
1	"DEMENT*"[TITLE/ABSTRACT] OR "ALZHEIMER*"[TITLE/ABSTRACT] OR "MAJOR NEUROCOGNITIVE DISORDER*"[TITLE/ABSTRACT] OR "DEMENTIA"[MESH TERMS]	273374
2	"APP"[TITLE/ABSTRACT] OR "APPS"[TITLE/ABSTRACT] OR "AUGMENTED REALIT*"[TITLE/ABSTRACT]	2123169
4	OR "BLENDED TREATMENT" [TITLE/ABSTRACT] OR "BLENDED THERAPY" [TITLE/ABSTRACT] OR	2123109
	"BLOG"[TITLE/ABSTRACT] OR "CELL PHONE*"[TITLE/ABSTRACT] OR	
	"CELLPHONE*"[TITLE/ABSTRACT] OR "CHAT"[TITLE/ABSTRACT] OR "CHATS"[TITLE/ABSTRACT] OR "CHATBOT*"[TITLE/ABSTRACT] OR "COMPUTER*"[TITLE/ABSTRACT] OR	
	"DIGITAL*"[TITLE/ABSTRACT] OR "E COUNSELING"[TITLE/ABSTRACT] OR	
	"ECOUNSELING"[TITLE/ABSTRACT] OR "E COUNSELING"[TITLE/ABSTRACT] OR "E COUNSELLING"[TITLE/ABSTRACT] OR "ECOUNSELLING"[TITLE/ABSTRACT] OR "E	
	COUNSELLING"[TITLE/ABSTRACT] OR "E HEALTH"[TITLE/ABSTRACT] OR	
	"EHEALTH"[TITLE/ABSTRACT] OR "E HEALTH"[TITLE/ABSTRACT] OR	
	"ELECTRONIC*"[TITLE/ABSTRACT] OR "EMAIL*"[TITLE/ABSTRACT] OR "E MAIL*"[TITLE/ABSTRACT]	
	OR "FACEBOOK"[TITLE/ABSTRACT] OR "ICT"[TITLE/ABSTRACT] OR "INTERNET"[TITLE/ABSTRACT]	
	OR "MESSENGER"[TITLE/ABSTRACT] OR "MHEALTH"[TITLE/ABSTRACT] OR "M-	
	HEALTH"[TITLE/ABSTRACT] OR "MOBILE DEVICE"[TITLE/ABSTRACT] OR "MOBILE	
	HEALTH"[TITLE/ABSTRACT] OR "MOBILE PHONE"[TITLE/ABSTRACT] OR "MOBILE  HEALTH"[TITLE/ABSTRACT] OR "MOBILE PHONE"[TITLE/ABSTRACT] OR "MOBILE PHONE"[TITLE/ABSTRA	
	HEALTH"[TITLE/ABSTRACT] OR "ONLINE*"[TITLE/ABSTRACT] OR "PHONE"[TITLE/ABSTRACT] OR	
	"REMOTE"[TITLE/ABSTRACT] OR "SKYPE"[TITLE/ABSTRACT] OR "SMARTPHONE*"[TITLE/ABSTRACT]	
	OR "SMS"[TITLE/ABSTRACT] OR "SOCIAL MEDIA"[TITLE/ABSTRACT] OR "TABLET"[TITLE/ABSTRACT]	
	OR "TABLETS" [TITLE/ABSTRACT] OR "TECHNOLOG*" [TITLE/ABSTRACT] OR "TELE HOME	
	CARE"[TITLE/ABSTRACT] OR "TELE MEDICINE"[TITLE/ABSTRACT] OR "TELECARE"[TITLE/ABSTRACT]	
	OR "TELE-CARE"[TITLE/ABSTRACT] OR "TELECARING"[TITLE/ABSTRACT] OR "TELE-	
	CARING"[TITLE/ABSTRACT] OR "TELECOMMUNICATION"[TITLE/ABSTRACT] OR	
	"TELECONFERENCE*"[TITLE/ABSTRACT] OR "TELE CONFERENCE*"[TITLE/ABSTRACT] OR	
	"TELECONSULTATION*"[TITLE/ABSTRACT] OR "TELE CONSULTATION*"[TITLE/ABSTRACT] OR	
	"TELEHEALTH"[TITLE/ABSTRACT] OR "TELE-HEALTH"[TITLE/ABSTRACT] OR	
	"TELEMEDICINE"[TITLE/ABSTRACT] OR "TELENURSE"[TITLE/ABSTRACT] OR	
	"TELENURSING"[TITLE/ABSTRACT] OR "TELEPHONE"[TITLE/ABSTRACT] OR	
	"TELEPHONES"[TITLE/ABSTRACT] OR "TELEPRESENCE"[TITLE/ABSTRACT] OR	
	"TELEPRESENT"[TITLE/ABSTRACT] OR "TELEREHABILITATION"[TITLE/ABSTRACT] OR "TELE-	
	REHABILITATION"[TITLE/ABSTRACT] OR "TELETHERAP*"[TITLE/ABSTRACT] OR "TELE	
	THERAP*"[TITLE/ABSTRACT] OR "TELETREATMENT"[TITLE/ABSTRACT] OR "TELE-	
	TREATMENT"[TITLE/ABSTRACT] OR "VIDEOCONFERENCE"[TITLE/ABSTRACT] OR	
	"VIDEOCONFERENCES"[TITLE/ABSTRACT] OR "VIRTUAL"[TITLE/ABSTRACT] OR "WEB	
	BASED"[TITLE/ABSTRACT] OR "WEBBASED"[TITLE/ABSTRACT] OR "WEB BASED"[TITLE/ABSTRACT]	
	OR "WORLD WIDE WEB"[TITLE/ABSTRACT] OR "TELEMEDICINE"[MESH TERMS] OR	
	"TELENURSING"[MESH TERMS] OR "TECHNOLOGY"[MESH TERMS] OR "VIRTUAL REALITY"[MESH	
	TERMS] OR "TELECOMMUNICATIONS"[MESH TERMS] OR "VIDEOCONFERENCING"[MESH TERMS] OR	
	"TELEREHABILITATION"[MESH TERMS] OR "INTERNET-BASED INTERVENTION"[MESH TERMS] OR	
	"SOCIAL MEDIA" [MESH TERMS] OR "INFORMATION TECHNOLOGY" [MESH TERMS] OR "REMOTE	
	CONSULTATION"[MESH TERMS] OR "DISTANCE COUNSELING"[MESH TERMS] OR "VIRTUAL	
-	REALITY"[MESH TERMS] OR "TELEPHONE"[MESH TERMS] OR "CELL PHONE"[MESH TERMS]	12/2040
3	"ADVICE*"[TITLE/ABSTRACT] OR "ADVISE*"[TITLE/ABSTRACT] OR "ADVISING"[TITLE/ABSTRACT] OR	1362940
	"COACH*"[TITLE/ABSTRACT] OR "CONSULT*"[TITLE/ABSTRACT] OR "COUNSELLING"[TITLE/ABSTRACT] OP "COUNSELLING"[TITLE/ABSTRACT] OP	
	"COUNSELLING"[TITLE/ABSTRACT] OR "COUNSELING"[TITLE/ABSTRACT] OR	
	"INSTRUCT*"[TITLE/ABSTRACT] OR "GUIDANCE*"[TITLE/ABSTRACT] OR "GUIDE*"[TITLE/ABSTRACT] OR "MENTORING"[TITLE/ABSTRACT] OR "PASTORAL CARE"[TITLE/ABSTRACT] OR "SOCIAL	
	SUPPORT*"[TITLE/ABSTRACT] OR "SUPERVIS*"[TITLE/ABSTRACT] OR "SUPPORT SERVICE*"[TITLE/ABSTRACT] OR "TALKING THER A DATE OF "MENTORING"[MESH	
	SERVICE*"[TITLE/ABSTRACT] OR "TALKING THERAP*"[TITLE/ABSTRACT] OR "MENTORING"[MESH	
4	TERMS] OR "COUNSELING"[MESH TERMS] OR "SOCIAL SUPPORT"[MESH TERMS]	1991
5	1 AND 2 AND 3 (SURGICAL OR SURGERY OR GENETI* OR PROTEOMIC* OR GENOMIC* OR PROTEIN* OR	6115294
3	(SURGICAL OR SURGERY OR GENETI* OR PROTEOMIC* OR GENOMIC* OR PROTEIN* OR NEUROIMAG*).TI,AB.	0113294
6	4 NOT 5	1623
U	TIOLU	1043

## Supplementary Table 4. Search strategy PsycINFO via Ovid (April 22, 2021)

#	Entry	Hits		
1	(DEMENT* OR ALZHEIMER* OR "MAJOR NEUROCOGNITIVE DISORDER*").TI,AB,MP. OR EXP	113751		
	DEMENTIA/ OR EXP ALZHEIMER DISEASE/			
2	(APP OR APPS OR "AUGMENTED REALIT*" OR "BLENDED TREATMENT" OR "BLENDED THERAPY" OR	506844		
	BLOG OR "CELL PHONE*" OR CELLPHONE* OR CHAT OR CHATS OR CHATBOT* OR COMPUTER* OR			
	DIGITAL* OR "E COUNSELING" OR ECOUNSELING OR E-COUNSELING OR "E COUNSELLING" OR			
	ECOUNSELLING OR E-COUNSELLING OR "E HEALTH" OR EHEALTH OR E-HEALTH OR ELECTRONIC*			
	OR EMAIL* OR E-MAIL* OR FACEBOOK OR ICT OR INTERNET OR MESSENGER OR MHEALTH OR M-			
	HEALTH OR "MOBILE DEVICE" OR "MOBILE HEALTH" OR "MOBILE PHONE" OR "MOBILE-HEALTH" OR			
	ONLINE* OR PHONE OR REMOTE OR SKYPE OR SMARTPHONE* OR SMS OR "SOCIAL MEDIA" OR			
	TABLET OR TABLETS OR TECHNOLOG* OR "TELE HOME CARE" OR "TELE MEDICINE" OR TELECARE			
	OR TELE-CARE OR TELECARING OR TELE-CARING OR TELECOMMUNICATION OR			
	TELECONFERENCE* OR TELE-CONFERENCE* OR TELECONSULTATION* OR TELE-CONSULTATION*			
	OR TELEHEALTH OR TELE-HEALTH OR TELEMEDICINE OR TELENURSE OR TELENURSING OR			
	TELEPHONE OR TELEPHONES OR TELEPRESENCE OR TELEPRESENT OR TELEPHABILITATION OR			
	TELE-REHABILITATION OR TELETHERAP* OR TELE-THERAP* OR TELETREATMENT OR TELE-			
	TREATMENT OR VIDEOCONFERENCE OR VIDEOCONFERENCES OR VIRTUAL OR "WEB BASED" OR			
	WEBBASED OR WEB-BASED OR "WORLD WIDE WEB").TI,AB,MP. OR EXP TELEMEDICINE/ OR EXP			
	TECHNOLOGY/ OR EXP VIRTUAL REALITY/ OR EXP TELECONFERENCING/ OR EXP ONLINE THERAPY/			
	OR EXP TELEREHABILITATION/ OR EXP SOCIAL MEDIA/ OR EXP MOBILE DEVICES/	500501		
3	(ADVICE* OR ADVISE* OR ADVISING OR COACH* OR CONSULT* OR COUNSELLING OR COUNSELING	700791		
	OR INSTRUCT* OR GUIDANCE* OR GUIDE* OR MENTORING OR "PASTORAL CARE" OR "SOCIAL			
	SUPPORT*" OR SUPERVIS* OR "SUPPORT SERVICE*" OR "TALKING THERAP*").TI,AB,MP. OR EXP			
	COUNSELING/ OR EXP SOCIAL SUPPORT/	1151		
4	1 AND 2 AND 3	1151		
5	(SURGICAL OR SURGERY OR GENETI* OR PROTEOMIC* OR GENOMIC* OR PROTEIN* OR	285132		
	NEUROIMAG*).TI,AB,MP.	004		
6	4 NOT 5	994		

## Supplementary Table 5. Search strategy Web of Science Core Collection (April 22, 2021)

	premientary ruble 3. Search strategy web of Science Concestion (April 22,	
#	Entry	Hits
1	TS=(DEMENT* OR ALZHEIMER* OR "MAJOR NEUROCOGNITIVE DISORDER*")	343520
	INDEXES=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI TIMESPAN=ALL YEARS	
2	TS=(APP OR APPS OR "AUGMENTED REALIT*" OR "BLENDED TREATMENT" OR "BLENDED THERAPY"	5975986
	OR BLOG OR "CELL PHONE*" OR CELLPHONE* OR CHAT OR CHATS OR CHATBOT* OR COMPUTER*	
	OR DIGITAL* OR "E COUNSELING" OR ECOUNSELING OR E-COUNSELING OR "E COUNSELLING" OR	
	ECOUNSELLING OR E-COUNSELLING OR "E HEALTH" OR EHEALTH OR E-HEALTH OR ELECTRONIC*	
	OR EMAIL* OR E-MAIL* OR FACEBOOK OR ICT OR INTERNET OR MESSENGER OR MHEALTH OR M-	
	HEALTH OR "MOBILE DEVICE" OR "MOBILE HEALTH" OR "MOBILE PHONE" OR "MOBILE-HEALTH" OR	
	ONLINE* OR PHONE OR REMOTE OR SKYPE OR SMARTPHONE* OR SMS OR "SOCIAL MEDIA" OR	
	TABLET OR TABLETS OR TECHNOLOG* OR "TELE HOME CARE" OR "TELE MEDICINE" OR TELECARE	
	OR TELE-CARE OR TELECARING OR TELE-CARING OR TELECOMMUNICATION OR	
	TELECONFERENCE* OR TELE-CONFERENCE* OR TELECONSULTATION* OR TELE-CONSULTATION*	
	OR TELEHEALTH OR TELE-HEALTH OR TELEMEDICINE OR TELENURSE OR TELENURSING OR	
	TELEPHONE OR TELEPHONES OR TELEPRESENCE OR TELEPRESENT OR TELEREHABILITATION OR	
	TELE-REHABILITATION OR TELETHERAP* OR TELE-THERAP* OR TELETREATMENT OR TELE-	
	TREATMENT OR VIDEOCONFERENCE OR VIDEOCONFERENCES OR VIRTUAL OR "WEB BASED" OR	
	WEBBASED OR WEB-BASED OR "WORLD WIDE WEB")	
	INDEXES=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI TIMESPAN=ALL YEARS	
3	TS=(ADVICE* OR ADVISE* OR ADVISING OR COACH* OR CONSULT* OR COUNSELLING OR	2256839
	COUNSELING OR INSTRUCT* OR GUIDANCE* OR GUIDE* OR MENTORING OR "PASTORAL CARE" OR	
	"SOCIAL SUPPORT*" OR SUPERVIS* OR "SUPPORT SERVICE*" OR "TALKING THERAP*")	
	INDEXES=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI TIMESPAN=ALL YEARS	
4	1 AND 2 AND 3	2743
5	TS=(SURGICAL OR SURGERY OR GENETI* OR PROTEOMIC* OR GENOMIC* OR PROTEIN* OR	7195603
	NEUROIMAG*)	
	INDEXES=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI TIMESPAN=ALL YEARS	
6	4 NOT 5	2183

**Supplementary Table 6.** Free web searching Google (November 22/23/26, 2022)

Search engine: Google			
Date: 22./23./26.11.2021	Language: any	Search filters: no	Number of references screened: first 40
Search terms		Eligible references	
counselling dementia technolog	gy	=	
counseling dementia technology	y	-	
counselling dementia ict		-	
counseling dementia ict		-	
e counselling dementia		-	
e counselling dementia		-	
Alzheimer's counselling techno	ology	-	
Alzheimer's counseling technology		-	
dementia counselling web-base	d	-	
dementia counseling web-based	i	-	
support intervention dementia t	echnology	-	
support intervention dementia v	web-based	=	
telecounselling dementia		-	
telecounseling dementia	·	-	
coaching dementia technology		=	
telephone-based counselling de	mentia	=	
telephone-based counseling der	nentia	=	

**Supplementary Table 7.** Free web searching Google Scholar (November 22/23/26, 2022)

Search engine: Google Sch	olar		
Date: 23./26.11.2021	Language: any	Search filters: no	Number of references screened: first 20
Search terms		Eligible references	
counselling dementia techno	ology	-	
counseling dementia technology		Wagner, P. A. (2017). Interactive Online Counseling for Family Caregivers of People with Dementia. Innovation in Aging 1 (S1), 785/786. (IAGG 2017 World Congress -> to be tracked)	
counselling dementia ict		Schaller et al. (2015). Tailored e-Health services for the dementia care setting: a pilot study of 'eHealthMonitor'. BMC Medical Informatics and Decision Making 15 (58).	
counseling dementia ict		-	
e counselling dementia		-	
e counselling dementia		-	
Alzheimer's counselling technology		-	
Alzheimer's counseling technology		-	
dementia counselling web-b	ased	-	
dementia counseling web-ba	ised	-	
support intervention dement	ia technology	-	
support intervention dement	ia web-based	-	
telecounselling dementia		-	,
telecounseling dementia		-	
coaching dementia technology		-	
telephone-based counselling dementia		-	
telephone-based counseling dementia		individualized telephone-ba people with dementia: Stud	Y., Huang, R., You, H., & Liu, M. (2021). An ased care support program for rural family caregivers o y protocol for a cluster randomized controlled trial.  https://doi.org/10.1186/s12877-021-02575-2

#### CHAPTER B: DETAILED DESCRIPTION OF INCLUDED INTERVENTIONS

The criteria of the Template for Intervention Description and Replication (TIDieR) checklist [1] and the updated Criteria for Reporting the Development and Evaluation of Complex Interventions (CReDECI-2) guideline [2] were applied to provide a description of the reported intervention characteristics and the theoretical underpinning of the intervention. To meet the TIDIeR and CReDECI 2 criteria, we defined a set of minimum required information adapted from Hirt 2021 [3].

**Supplementary Table 8.** Coyne 1995 (TIDieR)

TID	ieR checklist	IG: Telephone helpline services with extended contact Quote and / or comment	CG: Standard telephone helpline services Quote and / or comment
1	Brief name Provide the name or a phrase that describes the intervention.  Minimum required information:	Quote: Telephone helpline services with extended contact [4]	Quote: Standard telephone helpline services [4]
	Did the authors provide a name describing the intervention?		
2	Why Describe any rationale, theory, or goal of the elements essential to the intervention.		ribution to variability in service usage among the elderly. Unfortunately, erate awareness of services available to them in the community. 12,13 An s also been implicated in patterns of underutilization. [4]
	Minimum required information:  Did the authors provide a rationale for the potential impact of the intervention on the outcome?	Quote: It was hypothesized that longitudinal telephone contact between caregivers and helpline staff would contribute to increased use of community services and decreased levels of burden and depression.	Quote: We examined the impact of a telephone helpline providing information, referral, education, and counseling on caregivers for dementia patients. [4]
3	What Materials: Describe any physical or informational materials used in the intervention, including those provided to participants or used in intervention delivery or in training of intervention providers. Provide information on where the materials can be accessed (e.g. online appendix, URL).  Minimum required information:  Did the authors provide the materials used in the intervention?	Comment: No further information	
4	What Procedures: Describe each of the procedures, activities, and/or processes used in the intervention, including any enabling or support activities.  Minimum required information:  Did the authors describe the procedures, activities, and processes used in the intervention?	Quote: The "extended contact" group received the above services plus biweekly follow-up calls from staff over an eightweek period. [4] Quote: During each "extended contact" telephone call, subjects were engaged in further discussion of the caregiving issues they were dealing with; they were offered additional information, advice, and literature; and they were asked about contact with agencies and services they had been referred to during previous calls. [4] Comment: Not described in detail to replicate the intervention	Quote: The "control" group received standard helpline services during a single call (i.e., the caller was encouraged to talk about any dementia-related issues he or she was concerned about; all questions were answered and requests for advice responded to; and appropriate referrals to community-based services were made). [4]  Comment: Not described in detail to replicate the intervention
5	Who provided For each category of intervention provider (e.g. psychologist, nursing assistant), describe their expertise, background and any specific training given.  Minimum required information:  Did the authors describe the professional background, experiences, and specific training of persons delivering the intervention?	Quote: Staff experienced in working with dementia patients and their fasetting [4]  Comment: No further information on professional background, training	, , ,

TIDieR checklist		IG: Telephone helpline services with extended contact Quote and / or comment	CG: Standard telephone helpline services Quote and / or comment
6	How Describe the modes of delivery (e.g. face-to-face or by some other mechanism, such as internet or telephone) of the intervention and whether it was provided individually or in a group.	Comment: Standard helpline services PLUS biweekly follow-up calls from staff over an eight week period: Targeted individual counselling for one caregiver via telephone	Comment: Standard helpline services during a single call: Standard counselling for one caregiver via telephone
	Minimum required information:		
	Did the authors describe the mode(s) of delivery?		
7	Where Describe the type(s) of location(s) where the intervention occurred, including any necessary infrastructure or relevant features.  Minimum required information:	Quote: New Jersey-statewide helpline providing information, referral, education, and counseling for dementia-related issues. The helpline, ba in central New Jersey at the Comprehensive Services on Aging (COPSA) Institute for Alzheimer's Disease and Related Disorders, a program the University of Medicine and Dentistry of New Jersey, was staffed during regular working hours by one of the authors with assistance from the full-time COPSA staff. [4]  Comment: Access to a telephone is required	
	Did the authors describe the type(s) of location(s) where the intervention was delivered and the required (technical) infrastructure for the participants?		
8	When and how much Describe the number of times the intervention was delivered and over what period of time including the number of sessions, their schedule, and their duration, intensity or dose.  Minimum required information:  Did the authors describe the period, duration, and frequency of the intervention?	Comment: Eight-week study period, initial call + biweekly follow-up calls  Comment: No further information on duration of the sessions	Comment: Single call  Comment: No further information on duration of the session
9	Tailoring If the intervention was planned to be personalised, titrated or adapted, then describe what, why, when, and how.  Minimum required information:  Did the authors describe whether the intervention was personalised, titrated or adapted?	Quote: The caller was encouraged to talk about any dementia-related issues he or she was concerned about [4]	
10	Modifications If the intervention was modified during the course of the study, describe the changes (what, why, when, and how).  Minimum required information:  Did the authors describe whether any modifications were made during the course of the study?	Comment: No information on modifications	Comment: No information on modifications
11	How well Planned: If intervention adherence or fidelity was assessed, describe how and by whom, and if any strategies were used to maintain or improve fidelity, describe them.  Minimum required information:  Did the authors describe whether adherence or fidelity was planned to be assessed?	Comment: No information on planned assessments	Comment: No information on planned assessments
12	How well Actual: If intervention adherence or fidelity was assessed, describe the extent to which the intervention was delivered as planned.  Minimum required information:	Comment: No information	Comment: No information
	Did the authors describe whether the intervention was delivered as planned?		

Supplementary Table 9. Coyne 1995 (CReDECI)

CRe	DECI 2 checklist	Quote and/or comment
	First stage - Development	
1	Description of the intervention's underlying theoretical basis	Comment: No information for an underpinning theoretical approach
	Minimum required information:	
	Did the authors describe the intervention's underlying theoretical basis?	
2	Description of all intervention components, including the reasons for their selection as well as their aims / essential functions	Quote: During each "extended contact" telephone call, subjects were engaged in further discussion of the caregiving issues they were dealing with; they were offered additional information, advice, and literature. [4]  Quote: The "extended contact" group received the above services plus biweekly follow-up calls from staff over an eight-week period. [4]
	Minimum required information:	
	Did the authors describe all intervention components?	
3	Illustration of any intended interactions between different components	Comment: No statements on how individual components should interact with each other
l	Minimum required information:	
l	Did the authors describe the intended interactions between intervention components?	
4	Description and consideration of the context's characteristics in intervention modelling	Quote: New Jersey-statewide helpline providing information, referral, education, and counseling for dementia-related issues. The helpline, based in central New Jersey at the Comprehensive Services on Aging (COPSA) Institute for Alzheimer's Disease and Related Disorders, a
1	Minimum required information:	program of the University of Medicine and Dentistry of New Jersey, was staffed during regular working hours by one of the authors with
	Did the authors describe the context conditions?	assistance from other full-time COPSA staff. [4]  Quote: This time frame was chosen empirically, based on the amount of staff time available for follow-up calls. [4]
	Second stage - Feasibility and piloting	
5	Description of the pilot-test and its impact on the definite intervention	Comment: No pilot study described
	Minimum required information:	
	Did the authors describe the pilot study and its impact on the definite intervention?	
	Third stage – Evaluation	
6	Description of the control condition (comparator) and reasons for the selection	Quote: The "control" group received standard helpline services during a single call (i.e., the caller was encouraged to talk about any dementia- related issues he or she was concerned about; all questions were answered and requests for advice responded to; and appropriate referrals to
	Minimum required information:	community- based services were made). [4]
	Did the authors describe the control condition?	
7	Description of the strategy for delivering the intervention within the study context	Comment: No previously published study protocol
	Minimum required information:	
	Did the authors describe the planned strategy for delivering the intervention within the study	
8	context?  Description of all materials or tools used for the delivery of the intervention	Comment: Telephone use; no further materials were described e.g. protocol for the consistent approach
0		Comment: Telephone use, no further materials were described e.g. protocol for the consistent approach
	Minimum required information:	
	Did the authors provide the materials and tools used for the delivery of the intervention?	
9	Description of fidelity of the delivery process compared to the study protocol	Comment: Not applicable due to missing report of a study protocol
	Minimum required information:	
	Did the authors describe the fidelity of the delivery process compared to the study protocol?	

CR	DECI 2 checklist	Quote and/or comment
10	Description of a process evaluation and its underlying theoretical basis	Comment: No process evaluation reported
	Minimum required information:	
	Did the authors describe a process evaluation?	
11	Description of internal facilitators and barriers potentially influencing the delivery of the intervention as revealed by the process evaluation	Comment: Not applicable, as no process evaluation is available
	Minimum required information:	
	Did the authors describe whether internal facilitators and barriers potentially influenced the delivery of the intervention as revealed by the process evaluation?	
12	Description of external conditions or factors occurring during the study which might have influenced the delivery of the intervention or mode of action (how it works)	Comment: No sufficient information (apart from the content of the discussion, such as burden of the family members)
	Minimum required information:	
	Did the authors describe whether external conditions or factors occurred during the study and might have influenced the delivery of the intervention?	
13	Description of costs or required resources for the delivery of the intervention	Comment: No information
	Minimum required information:	
	Did the authors report the costs for the delivery of the intervention?	

Supplementary Table 10. Tremont 2008 (TIDieR)

CG: Standard Care
ent Quote and / or comment
ention: Telephone Tracking – Dementia (FITT- Quote: Standard Care [5]
terventions are generally highly acceptable to ts on a broad range of mental and physical health resource utilization. [5] as shown to be superior to symptoms monitoring al status, arguing against the non-specific effects are superior to directly targets caregiver appraisal and rectly reduce stress, improve caregiver mood and titively impact the family system. [5]
exceived a binder containing local resource information (e.g., list of support groups, adult day care centers) and education heimer's Association. [5] were mentioned, but not described in detail
anual and interventions guide were created [5] were mentioned but not described in detail
domized to the FITT-D group received telephone apists on a set call schedule. [5] used on providing emotional support, directing the resources, encouraging caregivers to attend to ottoinal and social needs, and teaching caregivers ongoing problems. [5] tion addressed a broad range of issues and regiving. For the current study, caregivers were been behavioral and neuropsychiatric symptoms uncinations, agitation), memory and cognitive equestioning, communication difficulties), and e.g., gait problems, incontinence). Caregivers the feelings of isolation, family conflict about and their own medical problems. [5] bed in detail to replicate the intervention. They
For the procedure and were required to achieve at rect on a 50-item multiple-choice test about a fortent manual prior to initiating treatment.  To individuals who had no prior experience with a fin general. [5]

TID	eR checklist	IG: FITT-D	CG: Standard Care
110		Quote and / or comment	Quote and / or comment
6	How Describe the modes of delivery (e.g. face-to-face or by some other mechanism, such as internet or telephone) of the intervention and whether it was provided individually or in a group.  Minimum required information:  Did the authors describe the mode(s) of delivery?	Comment: Counselling for individuals delivered entirely over the telephone.	-
7	Where	C	
,	Describe the type(s) of location(s) where the intervention occurred, including any necessary infrastructure or relevant features.	Comment: No detailed information about institution providing the intervention; access to telephone needed	
	Minimum required information:		
	Did the authors describe the type(s) of location(s) where the intervention was delivered and the required (technical) infrastructure for the participants?		
8	When and how much Describe the number of times the intervention was delivered and over what period of time including the number of sessions, their schedule, and their duration, intensity or dose.  Minimum required information:  Did the authors describe the period, duration, and frequency of the intervention?	Quote: FITT-D was delivered to caregivers by 23 telephone calls over one year. Telephone calls included an initial call (orientation and psychoeducation), weekly calls for six weeks, 12 additional contacts every two weeks, and four monthly termination calls. Initial contacts lasted approximately 60 minutes, and follow-up contacts lasted about 15–30 minutes. [5]  Quote: The length of the intervention may also be important. Most	-
		caregiver interventions are six months or less. Although the telephone contacts were generally short (less than 30 minutes), FITT-D was delivered over one year. This provided an opportunity for the therapist to help caregivers apply problem-solving skills in a variety of situations and in the face of cognitive and behavioral decline in the care recipients.	
9	Tailoring If the intervention was planned to be personalised, titrated or adapted, then describe what, why, when, and how.  Minimum required information:  Did the authors describe whether the intervention was personalised, titrated or adapted?	Quote: Each contact followed a standardized treatment manual, involving assessment and individualized application of interventions to address mood, family functioning, social support and health. [5]  Quote: Furthermore, although the intervention is manualized and structured, it maintains considerable flexibility to allow for individualized application of interventions as deemed necessary and	NA NA
	Did the authors describe whether the intervention was personansed, itrated of adapted:	appropriate. [5]  Quote: Specific interventions were applied at therapists' discretion [5]	
10	Modifications If the intervention was modified during the course of the study, describe the changes (what, why, when, and how).	Comment: No information on modifications	NA
	Minimum required information:		
	Did the authors describe whether any modifications were made during the course of the study?		
11	How well Planned: If intervention adherence or fidelity was assessed, describe how and by whom, and if any strategies were used to maintain or improve fidelity, describe them.	<b>Quote</b> : Doctoral-level staff supervised therapists weekly to ensure adherence to the protocol and minimize drift. Sessions were audiotaped, and two raters reviewed 30 randomly selected telephone contacts and independently completed adherence and competence scales. [5]	NA NA
	Minimum required information:		
	Did the authors describe whether adherence or fidelity was planned to be assessed?		

Т			CG: Standard Care Quote and / or comment
1:	How well Actual: If intervention adherence or fidelity was assessed, describe the extent to which the intervention was delivered as planned.  Minimum required information:  Did the authors describe whether the intervention was delivered as planned?	Quote: Both therapists demonstrated competency and adhered to the treatment. Average Cronbach alphas were .71 and .82 for the adherence and competence scales, respectively, reflecting acceptable to very good internal consistency. The average across-rater correlation between the adherence total score and competence total score was .51. [5]	NA

Supplementary Table 11. Tremont 2008 (CReDECI)

CRe	DECI 2 checklist	Quote and/or comment
	First stage - Development	
1	Description of the intervention's underlying theoretical basis  Minimum required information:  Did the authors describe the intervention's underlying theoretical basis?	Quote: Theoretical underpinnings of the intervention are based on psychosocial transition (Tyhurst, 1958), transactional stress and coping (Lazarus & Folkman, 1984) and a systems view of family functioning (i.e., McMaster Model of Family Functioning; Epstein, Bishop, & Levin, 1978). Taken together, the three underlying theories of the FITT-D are geared toward enhancing coping within the caregiver through active problem-solving and facilitating positive changes within the family system. According to these models, dementia caregiving is comprised of potentially stress-inducing transitions that prompt an appraisal process by the caregiver to identify whether resources (particularly those within a family) can be mobilized to cope with the changes. Within these overlapping models, caregiver burden is viewed as a situation in which demands (both perceived and objective) exceed the coping and resources (both perceived and objective). As burden persists, it becomes a stressor in its own right, leading to feelings of helplessness, hopelessness and depression. [5]
2	Description of all intervention components, including the reasons for their selection as well as their aims / essential functions	Quote: Both groups received a binder containing local resource information (e.g., list of support groups, adult day care centers) and educational materials from the Alzheimer's Association. [5]
	Minimum required information:  Did the authors describe all intervention components?	Quote: The FITT method consists of two stages. The initial stage, Orientation and Psychoeducation, involved providing caregivers with a rationale for the FITT, an introduction to educational and resource materials, a description of what would happen during future phone contacts and an assessment of key areas thought to be instrumental in addressing caregiver burden and mental health (i.e., caregivers' health, functioning, mood, thinking and family life). The psychoeducation component of this initial stage involved reviewing information about dementia and common psychological, emotional, psychosocial and medical effects of caregiving. The second stage, Follow-up, involved weekly and bi-weekly contacts in which new problems were identified, positive and negative changes in caregivers or care recipients were discussed, and psychoeducational information was reviewed and applied for particular situations. The initial and follow-up calls were structured around assessment of key areas of functioning in both the caregiver and care recipient. Specific interventions were applied at therapists' discretion, including supportive approaches (i.e., empathy, giving permission, normalizing, provision of information, validation or venting) or more active strategies (i.e., bibliotherapy, interpretation, positive reframing, problem solving, reference to resource packet, referral and setting task directives). [5]
3	Illustration of any intended interactions between different components  Minimum required information:	Comment: Stage structure of the intervention and the intended interactions are described
	Did the authors describe the intended interactions between intervention components?	
4	Description and consideration of the context's characteristics in intervention modelling  Minimum required information:  Did the authors describe the context conditions?	Quote: Because of concerns about cost and accessibility to dementia caregivers, we developed an intervention, Family Intervention: Telephone Tracking – Dementia (FITT-D). [5]  Comment: Specific context was not described  Quote: FITT-D was systematically developed. The FITT model was initially identified as a potentially effective intervention for dementia caregivers because of preliminary data showing efficacy for stroke caregivers (Miller et al., 1998). Modifications were based on dementia caregiver input gathered through a focus group and from several professionals who routinely work with dementia caregivers. Major changes included lengthening the intervention from six to 12 months, focusing only on the caregiver, and modifying key areas of focus to include social support. [5]
	Second stage - Feasibility and piloting	
5	Description of the pilot-test and its impact on the definite intervention  Minimum required information:  Did the authors describe the pilot study and its impact on the definite intervention?	Quote: a feasibility trial was then conducted in which 11 caregivers were enrolled in a three-month pre-test of the intervention. Following the three-month pre-test, further modifications to the intervention and outcome measures were made based on feedback from caregivers participating in the pre-test. However, these modifications were minimal (e.g., simplification of sample dialogue, addition of questions to assess key areas) because the intervention appeared to be feasible, was well-received by the participants, and attrition was low (i.e., nine completed the entire pre-test). [5]
	Third stage – Evaluation	
6	Description of the control condition (comparator) and reasons for the selection  Minimum required information:	Quote: Caregivers in the standard care group did not receive any formal intervention. Neither group was prevented from using resources or services available in the community. [5]
	Did the authors describe the control condition?	Comment: Control condition referred to as standard care, but not described in detail

CRe	DECI 2 checklist	Quote and/or comment
7	Description of the strategy for delivering the intervention within the study context  Minimum required information:  Did the authors describe the planned strategy for delivering the intervention within the study context?	Comment: No previously published study protocol
8	Description of all materials or tools used for the delivery of the intervention  Minimum required information:  Did the authors provide the materials and tools used for the delivery of the intervention?	Comment: Access to a telephone is necessary, no further information regarding the materials used
9	Description of fidelity of the delivery process compared to the study protocol  Minimum required information:  Did the authors describe the fidelity of the delivery process compared to the study protocol?	Comment: Not applicable, because no study protocol is available
10	Description of a process evaluation and its underlying theoretical basis  Minimum required information:  Did the authors describe a process evaluation?	Comment: No process evaluation described
11	Description of internal facilitators and barriers potentially influencing the delivery of the intervention as revealed by the process evaluation  Minimum required information:  Did the authors describe whether internal facilitators and barriers potentially influenced the delivery of the intervention as revealed by the process evaluation?	Comment: Not applicable, as no process evaluation is available
12	Description of external conditions or factors occurring during the study which might have influenced the delivery of the intervention or mode of action (how it works)  Minimum required information:  Did the authors describe whether external conditions or factors occurred during the study and might have influenced the delivery of the intervention?	Comment: No information on influencing factors
13	Description of costs or required resources for the delivery of the intervention  Minimum required information:  Did the authors report the costs for the delivery of the intervention?	Comment: No information

Supplementary Table 12. Tremont 2015 (TIDieR)

TII	DieR checklist	IG: FITT-C Quote and / or comment	CG: TS Quote and / or comment	
1	Brief name Provide the name or a phrase that describes the intervention.  Minimum required information:  Did the authors provide a name describing the intervention?	Quote: Family Intervention: Telephone Tracking – Caregiver (FITT-C) [6]	Quote: Telephone Support (TS) [6]	
2	Why Describe any rationale, theory, or goal of the elements essential to the intervention.  Minimum required information:  Did the authors provide a rationale for the potential impact of the intervention on the outcome?	Quote: Many caregivers encounter barriers that make in-person interventions difficult, including lack of transportation, being homebound, living in a rural setting, time pressures of caregiving, or stigma associated with seeking help. In response to these issues, our group developed the Family Intervention: Telephone Tracking – Caregiver (FITT-C), an entirely telephone-delivered caregiver intervention, to enhance accessibility and to potentially reduce costs. [6]  Quote: The FITT-C directly targets caregiver appraisal and coping to reduce stress, improve caregiver mood and quality of life, and positively impact the family system. [6]	Quote: The control condition was designed to account for nonspecific therapeutic factors such as interpersonal contact and relationship. [7] Quote: The primary goal of this condition was to provide non-directive support for caregivers through empathic and reflective listening and openended questioning. [7]	
3	What Materials: Describe any physical or informational materials used in the intervention, including those provided to participants or used in intervention delivery or in training of intervention providers. Provide information on where the materials can be accessed (e.g. online appendix, URL).	Quote: After baseline assessment, all caregivers received a packet of educ Quote: These resource packet contained a listing of state and local service sheets, medication fact sheets, publications/brochures, caregiver guides, lebehaviors, assisting with personal care, communication, safety issues, acti Quote: Following random assignment, participants received a letter contains.	rvices, national and governmental programs, internet resources, demential is, local respite service information, and specific topic brochures (challeng activities, financial and legal issues, and long term care). [7]	
	Minimum required information:  Did the authors provide the materials used in the intervention?	highlights the progress during the intervention and encourages the caregiver to continue to develop and utilize adaptive coping strategies. [7]		
4	What Procedures: Describe each of the procedures, activities, and/or processes used in the intervention, including any enabling or support activities.  Minimum required information:  Did the authors describe the procedures, activities, and processes used in the intervention?	Quote: Caregivers receive 16 telephone contacts distributed over 6 months that focused on providing dementia education, emotional support, directing caregivers to appropriate resources, encouraging caregivers to attend to their own physical, emotional, and social needs, and teaching caregivers strategies to cope with ongoing problems. [7] Quote: Caregivers receiving FITT-C were initially oriented to the resource packet and then refer to the materials throughout the intervention to provide ongoing education and information about resources. [7]	Quote: The role of the therapist is to provide unconditional positive regard to caregivers and to establish a relationship that mimics support group-style communication. Time is spent establishing rapport with each caregiver allowing him/her to express feelings and issues relevant to their unique experiences. Therapists are only allowed to conduct empathic/reflective listening and venting techniques. In addition, they can collect history about the caregiver and/or care recipient. They are discouraged from providing directive strategies, such as education, problem-solving, advice-giving, or technique in the forest content of the	
		Quote: In order of frequency, the most commonly used intervention strategies for FITT-C were a combination of supportive strategies (validation, permission) and directive strategies (education, reframing, and problem solving). Bibliotherapy, interpretation, and review of case with senior research staff were rarely used.[6]  Quote: The FITT method consists of two stages. [7]  Comment: The authors described the detailed procedure within a table.	task directives. Although the provision of education was not the focus of this condition, education was not withheld if the caregiver had the wrong information. If education was sought, the therapist attempted to direct the caregiver to educational resources that could be independently explored. [7] Comment: The authors described the detailed procedure within a table.	
5	Who provided For each category of intervention provider (e.g. psychologist, nursing assistant), describe their expertise, background and any specific training given.	Quote: Individuals recruited to serve as therapists had experience work	iting with dementia patients and/or their caregivers or psychotherapy naster's level (including nurses, social workers, clinical psychology graduate	
	Minimum required information:  Did the authors describe the professional background, experiences, and specific training of persons delivering the intervention?	Quote: Training of therapists in the FITT-C condition involved: 1) expert lectures from a neurologist, a psychiatrist, and neuropsychologists on dementia- and caregiver-related topics (e.g., dementia subtypes, medication, progression of the disease; community resources); 2) reading the FITT-C treatment manual and		

		IG: FITT-C	CG: TS
TID	eR checklist	Quote and / or comment	Quote and / or comment
		other written materials; 3) training in theoretical model (i.e., McMaster Model of Family Functioning) underlying the FITT approach; 4) learning specific FITT procedures and practicing intervention delivery through role-playing. The entire training procedures took approximately 14 h. Following the training program, therapists were required to perform at 80% or better on tests of knowledge of dementia, the FITT-C intervention, and on a skills-based test of intervention competency. [7]	
6	How Describe the modes of delivery (e.g. face-to-face or by some other mechanism, such as internet or telephone) of the intervention and whether it was provided individually or in a group.  Minimum required information:  Did the authors describe the mode(s) of delivery?	Quote: Both interventions were entirely telephone-based. [7] Quote: Each caregiver was assigned one therapist, who made all teleph	none contacts with that caregiver. [6]
		Comment Assess to talentament 1.1 2.5 2.1 2.2 2.2	and an delimination of a link amount on
7	Where Describe the type(s) of location(s) where the intervention occurred, including any necessary infrastructure or relevant features.  Minimum required information:  Did the authors describe the type(s) of location(s) where the intervention was delivered and the required (technical) infrastructure for the participants?	Comment: Access to telephone needed; no information about the instit	ution delivering the intervention
8	When and how much	Quote: Caregivers received 16 telephone contacts distributed over 6 m	onths [6]
	Describe the number of times the intervention was delivered and over what period of time including the number of sessions, their schedule, and their duration, intensity or dose.  Minimum required information:  Did the authors describe the period, duration, and frequency of the intervention?	<b>Quote</b> : Although initial telephone contacts had standardized duration severity of caregiver problems (15–30 minutes). [6]	ns (approximately 60 minutes), follow-up contacts varied depending on the
9	Tailoring If the intervention was planned to be personalised, titrated or adapted, then describe what, why, when, and how.  Minimum required information:  Did the authors describe whether the intervention was personalised, titrated or adapted?	Quote: The second stage, Follow-up, involves telephone follow-up contacts in which any new problems are identified, positive and negative changes in caregivers or patients are discussed, psychoeducational information is reviewed and applied for a particular situation, and assistance is provided to help the caregiver solve problems. [7]  Quote: The focus of these calls shifts slightly, with therapists asking caregivers to describe how they handled difficulties over the last month, rather than eliciting changes in key areas. [7]	Quote: The primary goal of this condition was to provide non-directive support for caregivers through empathic and reflective listening and openended questioning. [7] Quote: If education was sought, the therapist attempted to direct the caregiver to educational resources that could be independently explored. [7] Comment: Although a basic empathic attitude towards the individual participants has been adopted, individual needs may remain unconsidered.
10	Modifications If the intervention was modified during the course of the study, describe the changes (what, why, when, and how).  Minimum required information:  Did the authors describe whether any modifications were made during the course of the study?	Comment: No information on modifications	Comment: No information on modifications
11	How well Planned: If intervention adherence or fidelity was assessed, describe how and by whom, and if any strategies were used to maintain or improve fidelity, describe them.  Minimum required information:  Did the authors describe whether adherence or fidelity was planned to be assessed?		the Hither FITT-C and TS therapists. All telephone contacts were audiotaped, and and to better guide therapists' intervention strategies. Any deviations from the tion. [6]

TIE	vieR checklist	IG: FITT-C Quote and / or comment	CG: TS Quote and / or comment
12	How well Actual: If intervention adherence or fidelity was assessed, describe the extent to which the intervention was delivered as planned.  Minimum required information:  Did the authors describe whether the intervention was delivered as planned?	Comment: No information	Comment: No information

**Supplementary Table 13.** Tremont 2015 (CReDECI)

CRel	DECI 2 checklist	Quote and/or com	ment	
	First stage - Development			
1	Description of the intervention's underlying theoretical basis  Minimum required information:  Did the authors describe the intervention's underlying theoretical basis?	family functioning coping within the c dementia caregiving other resources can demands exceed the	(i.e., McMaster Model of Family Functioning) [16]. The thre are giver through active problem solving and facilitating positiv g involves potentially stress-inducing transitions, prompting an a be activated to cope with the changes. The FITT-C conception	[14], transactional stress and coping [15], and a systems view of the underlying theories of FITT-C are geared toward enhancing the changes within the family system. According to these models, appraisal process by the caregiver to identify whether family of unalizes burden as a situation in which objective and subjective then become a stressor in its own right, leading to feelings of
2	Description of all intervention components, including the reasons for their selection as well as	neipressiless, neper	ossioss, and depression [o]	
	their aims / essential functions		FITT-caregiver active intervention	Telephone support control condition
	Minimum required information:  Did the authors describe all intervention components?	Process  Materials  Session protocol	Structured interview for history gathering Therapist directed Structured risk assessment and emphasis on key areas for caregiver (health, social support, mood, family functioning) and care recipient (cognition, behavior, mood) functioning Improve caregiver functioning through ongoing assessment and monitoring of key areas (described above) and emphasis on positive aspects of caregiving and family functioning Therapist manual Education/community resource materials	Non-directive history gathering Participant directed General focus on dementia and related issues  Improve caregiver functioning through unconditional positive regard for caregiver-directed agenda  Therapist guide
		Session 1  Sessions 2–14 (follow-up)	Manualized 6-step structured protocol that includes orientation to the goals and process of FITT-C, psychoeducation, questions/discussion, assessment of key areas for care recipient and caregiver.  Structured assessment and re-evaluation of key areas. Caregivers learn to cope with caregiving stress through re-appraisal of the stressor and utilization of resources. Interventions are both supportive (e.g., empathy, normalizing, validation) and active (e.g., education, problem-solving, reframing, referral, task setting, bibliotherapy).	Participant directed, unstructured history gathering and review of intervention purpose and process  Participant directed, unstructured dialogue about experiences with dementia caregiving. Interventions are supportive (e.g., reflective listening, validation, and ventilation).
		Sessions 15-16 (termination)  Figure based on: Co	Review of helpful interventions, progress, and successes. Ensure identification of key person to replace therapist's supportive role. Therapist summarizes areas of progress and helpful intervention strategies in follow-up letter to caregiver at conclusion of intervention.  ontrasts between Telephone Support (TS) and FITT-C interven	Participant directed, unstructured dialogue. Limited to supportive interventions. Review of caregiving experiences over past 6 months. tions [7]
3	Illustration of any intended interactions between different components  Minimum required information:		receiving FITT-C were initially oriented to the resource packet lucation and information about resources. [7]	and then referred to the materials throughout the intervention to
	Did the authors describe the intended interactions between intervention components?	Comment: Stage structure of the intervention and the intended interactions are described		scribed
4	Description and consideration of the context's characteristics in intervention modelling  Minimum required information:  Did the authors describe the context conditions?	Quote: Dementia comeeting diagnostic addition, it is comm Quote: Many careg Quote: In responsipsychosocial interv	aregivers report high levels of depression and anxiety and exhib criteria for depression [6]. Caregivers often sacrifice their ow non for caregivers to experience feelings of social isolation [7]. givers do not seek assistance or become isolated in their caregiv	it elevated rates of mood disorders, with about 1/3 of individuals in needs and well-being to provide care for their loved one. In [7]
	Second stage - Feasibility and piloting		-	

CRe	DECI 2 checklist	Ouote and/or comment
5	Description of the pilot-test and its impact on the definite intervention  Minimum required information:  Did the authors describe the pilot study and its impact on the definite intervention?	Quote: use of data from our pilot study as a model showing moderate effect sizes [13] [7] Quote: On the other hand, the pilot study was conducted with a standard care control group. For the current study, we will compare the intervention to a support condition. [7] Quote: Intervention showed significant improvement in burden [17]. Several factors could explain the different findings. In the prior study, we used a treatment-as-usual control condition, rather than the active condition in the present. The intervention duration was also 1 year, rather than 6 months in this study, suggesting that the longer intervention duration may have a greater impact on burden. [6]
	Third stage – Evaluation	Comment: A pilot study was mentioned several times, but the impact on the definite intervention was not described.
6	Description of the control condition (comparator) and reasons for the selection  Minimum required information:	Quote: The control condition was designed to account for nonspecific therapeutic factors such as interpersonal contact and relationship. [7] Quote: The approach was based on a nondirective control condition used by Borkovec and Costello in a previous study [16]. [6]
	Did the authors describe the control condition?	Comment: Control condition is described in detail.
7	Description of the strategy for delivering the intervention within the study context  Minimum required information:  Did the authors describe the planned strategy for delivering the intervention within the study context?	Comment: Authors presented a study protocol with background, design, and baseline characteristics of the intervention, but it was published after data collection was completed.
8	Description of all materials or tools used for the delivery of the intervention	Comment: Materials and technology are described in detail.
	Minimum required information:  Did the authors provide the materials and tools used for the delivery of the intervention?	
9	Description of fidelity of the delivery process compared to the study protocol  Minimum required information:  Did the authors describe the fidelity of the delivery process compared to the study protocol?	Comment: Adherence or fidelity to Therapist Manual and Therapist Guide in delivering the intervention was assessed, but results were not reported
10	Description of a process evaluation and its underlying theoretical basis  Minimum required information:  Did the authors describe a process evaluation?	Comment: No process evaluation available
11	Description of internal facilitators and barriers potentially influencing the delivery of the intervention as revealed by the process evaluation  Minimum required information:  Did the authors describe whether internal facilitators and barriers potentially influenced the delivery of the intervention as revealed by the process evaluation?	Comment: Not applicable, as no process evaluation is available
12	Description of external conditions or factors occurring during the study which might have influenced the delivery of the intervention or mode of action (how it works)  Minimum required information:  Did the authors describe whether external conditions or factors occurred during the study and might have influenced the delivery of the intervention?	Comment: No information on influencing factors
13	Description of costs or required resources for the delivery of the intervention  Minimum required information:  Did the authors report the costs for the delivery of the intervention?  Numbers in quotes are references in the original publication; numbers at the end of quotation are	Comment: No information

**Supplementary Table 14.** Laver 2020 (TIDieR)

TID	vieR checklist	IG: Dyadic Dementia Care Program (Home visits) Quote and / or comment	IG: Dyadic Dementia Care Program (Telehealth) Quote and / or comment
1	Brief name Provide the name or a phrase that describes the intervention.  Minimum required information:  Did the authors provide a name describing the intervention?	Quote: Dyadic Dementia Care Program (Home visits) [8]	Quote: Dyadic Dementia Care Program (Telehealth) [8]
2	Why Describe any rationale, theory, or goal of the elements essential to the intervention.	Quote: Interventions that promote functional independence and include skills training for care partners have been shown to reduce functional decrease service utilization and improve quality of life for people with dementia.9 Interventions are not necessarily expected to increase scomeasures of function but to delay the rate of decline over time. [8]	
	Minimum required information:  Did the authors provide a rationale for the potential impact of the intervention on the outcome?	Comment: See above	Quote: While some of these barriers could be addressed through training allied health professionals, barriers relating to the capacity to perform multiple home visits are challenging to overcome without additional resources. [8] Quote: The use of telehealth technologies to deliver interventions for people with dementia and their care partners may reduce the costs of delivering the intervention, increase accessibility, and facilitate research translation. 13 A systematic review found that approximately two thirds of studies examining telehealth interventions found that telehealth interventions were less costly and equally effective as non-telehealth alternatives.14 Furthermore, there is evidence demonstrating the economic benefits of offering telehealth for people with chronic health conditions.15 Studies have also demonstrated the feasibility of delivering telehealth intervention to frail older people living a home. [8]
3	What Materials: Describe any physical or informational materials used in the intervention, including those provided to participants or used in intervention delivery or in training of intervention providers. Provide information on where the materials can be accessed (e.g. online appendix, URL).	Comment: No further information on material used intervention, in training of	
	Minimum required information:  Did the authors provide the materials used in the intervention?		
4	What Procedures: Describe each of the procedures, activities, and/or processes used in the intervention, including any enabling or support activities.  Minimum required information:  Did the authors describe the procedures, activities, and processes used in the intervention?	Strategies to address key care challenges are tailored to the capabilities and interests of the person with dementia, their care partner and the environment. [8]  Quote: The program offered in this trial was scheduled to be delivered in up to eight consultations delivered over up to 16 weeks	
5	Who provided For each category of intervention provider (e.g. psychologist, nursing assistant), describe their expertise, background and any specific training given.  Minimum required information: Did the authors describe the professional background, experiences, and specific training of persons delivering the intervention?	Quote: Occupational therapists who delivered the program receiv required in order to deliver the program. Regular (fortnightly) me monitor fidelity to the intervention. Therapists also kept treatment	ed 2 days of training as well as an intervention manual and all the documentation etings were held with interventionists to discuss cases and treatment plans and notes, time logs, and recorded the dates in which key components of the program he tablet devices and videoconferencing software and had access to an information
6	How	Quote: The program offered in this trial was scheduled to be delived with each session lasting approximately 60 minutes each (either in	

TIDi	eR checklist	IG: Dyadic Dementia Care Program (Home visits) Quote and / or comment	IG: Dyadic Dementia Care Program (Telehealth) Quote and / or comment
	Describe the modes of delivery (e.g. face-to-face or by some other mechanism, such as internet or telephone) of the intervention and whether it was provided individually or in a group.  Minimum required information:	Quote: Participants allocated to the home visit group received up to eight visits in the home from the occupational therapist [8]	Quote: Participants allocated to the telehealth group received the first two consultations in the home with the visiting therapist and the remaining six sessions were provided using telehealth technologies. The sessions in the home provided the opportunity for in-home environmental assessment, rapport building, and familiarity with the videoconferencing program. [8]
_	Did the authors describe the mode(s) of delivery?		<u> </u>
7	Where Describe the type(s) of location(s) where the intervention occurred, including any necessary infrastructure or relevant features.	<b>Comment</b> : No information about the institution providing the intervent	ion
	Minimum required information:  Did the authors describe the type(s) of location(s) where the intervention was delivered and the required (technical) infrastructure for the participants?	Comment: Counselling at the participant's home	Comment: The required technical infrastructure is described in detail
8	When and how much Describe the number of times the intervention was delivered and over what period of time including the number of sessions, their schedule, and their duration, intensity or dose.	<b>Quote</b> : The program offered in this trial was scheduled to be delivered with each session lasting approximately 60 minutes each (either in hom	
	Minimum required information:  Did the authors describe the period, duration, and frequency of the intervention?		
9	Tailoring If the intervention was planned to be personalised, titrated or adapted, then describe what, why, when, and how.  Minimum required information:  Did the authors describe whether the intervention was personalised, titrated or adapted?	Quote: Strategies to address key care challenges are tailored to the capabilities and interests of the person with dementia, their care partner and the environment. [8]	
	Did the authors describe whether the intervention was personansed, thrated or adapted:		
10	Modifications If the intervention was modified during the course of the study, describe the changes (what, why, when, and how).	Comment: No information on modifications	Comment: No information on modifications
	Minimum required information:  Did the authors describe whether any modifications were made during the course of the study?		
11	How well Planned: If intervention adherence or fidelity was assessed, describe how and by whom, and if any strategies were used to maintain or improve fidelity, describe them.	Quote: Regular (fortnightly) meetings were held with interventionists to	o discuss cases and treatment plans and monitor fidelity to the intervention. [8]
	Minimum required information:  Did the authors describe whether adherence or fidelity was planned to be assessed?		
12	How well Actual: If intervention adherence or fidelity was assessed, describe the extent to which the intervention was delivered as planned.	Comment: No information provided	Comment: No information provided
	Minimum required information:		
	Did the authors describe whether the intervention was delivered as planned?  Numbers in quotes are references in the original publication; numbers at the end of quotation at		

**Supplementary Table 15.** Laver 2020 (CReDECI)

CR	eDECI 2 checklist	Quote and/or comment	
	First stage - Development		
1	Description of the intervention's underlying theoretical basis	Comment: Note on the theoretical basis of the original intervention (COPE), but no concrete information for this adapted interventions	
	Minimum required information:		
	Did the authors describe the intervention's underlying theoretical basis?		
2	Description of all intervention components, including the reasons for their selection as well as their aims / essential functions	Comment: Different components of the intervention are named e.g. key components of the program, technical component, assessments and environmental aspects as well as an intervention manual. While some components are described, information on the others is missing.	
	Minimum required information:	Quote: These participants were given the option of using their own device (laptop, tablet, or smartphone) and in these cases they were shown how to access the Cisco Webex software on their own device. Alternatively, they could loan a tablet which had the videoconferencing software already	
	Did the authors describe all intervention components?	installed. The therapist spent time demonstrating and trialing videoconferencing with the participant during one of the first two consultations. [8]	
3	Illustration of any intended interactions between different components	Quote: The sessions in the home provided the opportunity for in-home environmental assessment, rapport building, and familiarity with the videoconferencing program. [8]	
	Minimum required information:	Comment: No statements on how individual components should interact with each other.	
	Did the authors describe the intended interactions between intervention components?		
4	Description and consideration of the context's characteristics in intervention modelling	Quote: Most of our participants were referred to the trial by someone employed within a health or long-term care service. Within these services, the person with dementia had very recently received a comprehensive assessment from a nurse with expertise in care of older people. We did not	
	Minimum required information:	refer trial participants to another nurse for further assessment or treatment. [8]	
	Did the authors describe the context conditions?	Quote: Second, while the program is scheduled to be delivered in up to 10 home consultation visits, we altered the schedule so that it consisted of fewer, longer, consultations to increase the efficiency for both the clinician and the person with dementia and their carer. [8]  Comment: No sufficient information	
	Second stage - Feasibility and piloting		
5	Description of the pilot-test and its impact on the definite intervention	Comment: No pilot study described	
	Minimum required information:		
	Did the authors describe the pilot study and its impact on the definite intervention?		
	Third stage – Evaluation		
6	Description of the control condition (comparator) and reasons for the selection	Quote: This study aimed to determine whether delivery of a dyadic intervention using telehealth was noninferior to delivery of the same program using traditional face-to-face delivery through home visits. Design: We conducted a noninferiority randomized controlled trial. [8]	
	Minimum required information:	Comment: Control condition was described in detail	
	Did the authors describe the control condition?		
7	Description of the strategy for delivering the intervention within the study context	Comment: No previously published study protocol	
	Minimum required information:		
	Did the authors describe the planned strategy for delivering the intervention within the study context?		
8	Description of all materials or tools used for the delivery of the intervention	Quote: These participants were given the option of using their own device (laptop, tablet, or smartphone) and in these cases they were shown how to access the Cisco Webex software on their own device. Alternatively, they could loan a tablet which had the videoconferencing software already	
	Minimum required information:	installed. [8]	
	Did the authors provide the materials and tools used for the delivery of the intervention?	Comment: Technology used for delivering the intervention via telehealth is adequately described, but lack of information about materials used	

CReDECI 2 checklist		Quote and/or comment		
9	Description of fidelity of the delivery process compared to the study protocol  Minimum required information:  Did the authors describe the fidelity of the delivery process compared to the study protocol?	Comment: Strategies were mentioned, but not described in detail; there is no previously published study protocol.		
10	Description of a process evaluation and its underlying theoretical basis  Minimum required information:  Did the authors describe a process evaluation?	Comment: No information about a process evaluation available		
11	Description of internal facilitators and barriers potentially influencing the delivery of the intervention as revealed by the process evaluation  Minimum required information:  Did the authors describe whether internal facilitators and barriers potentially influenced the delivery of the intervention as revealed by the process evaluation?	Comment: Not applicable, as no process evaluation is available		
12	Description of external conditions or factors occurring during the study which might have influenced the delivery of the intervention or mode of action (how it works)  Minimum required information:  Did the authors describe whether external conditions or factors occurred during the study and might have influenced the delivery of the intervention?	Comment: No information on influencing factors		
13	Description of costs or required resources for the delivery of the intervention  Minimum required information:  Did the authors report the costs for the delivery of the intervention?	Quote: Due to the time span of the funding, we were unable to track participants' costs of care following completion of the intervention and we were unable to report data on cost effectiveness [8]		

**Supplementary Table 16.** Hodgson 2021 (TIDieR)

TIDieR checklist		IG: Care Consultation Plus	CG: Care Consultation		
111		Quote and / or comment	Quote and / or comment		
1	Brief name Provide the name or a phrase that describes the intervention.  Minimum required information:  Did the authors provide a name describing the intervention?	Quote: Care Consultation Plus [9]	Quote: Care Consultation [9]		
2	Why Describe any rationale, theory, or goal of the elements essential to the intervention.  Minimum required information:  Did the authors provide a rationale for the potential impact of the intervention on the outcome?	Quote: A crucial part of helping family caregivers is linking them with the Alzheimer's Association and other community-based organization provide information, emotional support, practical advice, support groups, and training programs [8]. [9]  Quote: Because of visual privacy the telephone can make conversations less stressful for caregivers who may be reluctant to discuss partic issues in person. Providing support by telephone also places minimal burden on caregivers. It is well suited to individuals who may be homebout with limited time and energy to seek formal supportive services. Additionally, the availability of a 24/7 Helpline means caregivers can accompany to the care Consultation Plus group received a care consultation as described above and also received an additional follow up call from the same care consultant to reinforce specific action steps and identify			
3	What Materials: Describe any physical or informational materials used in the intervention, including those provided to participants or used in intervention delivery or in training of intervention providers. Provide information on where the materials can be accessed (e.g. online appendix, URL).  Minimum required information:  Did the authors provide the materials used in the intervention?	barriers to following through on the action steps. [9]  Comment: An assessment instrument and an action plan are mentioned	but not described in detail.		
4	What Procedures: Describe each of the procedures, activities, and/or processes used in the intervention, including any enabling or support activities.  Minimum required information:  Did the authors describe the procedures, activities, and processes used in the intervention?	Quote: "Care Consultation Plus" condition that included one additional booster call from the care consultant following the initial Care Consultation call [9]  Quote: The Care Consultation Plus group received a care consultation as described above and also received an additional follow up call from the same care consultant to reinforce specific action steps and identify barriers to following through on the action steps. The care consultant reviewed notes from the initial care consultation to understand what was discussed. [9]  Comment: Not described in detail to replicate the intervention	Quote: Care consultation begins with an assessment of the caller's situation and provides in-depth education about the disease and problem solving that result in the development of an action plan. Interventions may include active listening, empathy, validation and normalization, emotional containment, referrals to community programs and crisis assessment. The caller's needs, identified through the assessment, determine the type of intervention that is appropriate.  [9]  Comment: Not described in detail to replicate the intervention		
5	Who provided For each category of intervention provider (e.g. psychologist, nursing assistant), describe their expertise, background and any specific training given.  Minimum required information:  Did the authors describe the professional background, experiences, and specific training of persons delivering the intervention?	Quote: Care consultation is provided by staff that possess a master's dego f training and one week of shadowing other care consultants. [9]  Comment: Description of staffs' experience is missing.  Quote: Training includes Helpline call flow process and documentation, crisis assessment, brief counseling, and services and resources for referral. [9]	gree in social work, counselling or related field who complete four weeks		
6	How Describe the modes of delivery (e.g. face-to-face or by some other mechanism, such as internet or telephone) of the intervention and whether it was provided individually or in a group.  Minimum required information:  Did the authors describe the mode(s) of delivery?	Quote: callers to the Helpline [9] Comment: Counselling for individuals over the phone			

TIDieR checklist		IG: Care Consultation Plus Ouote and / or comment	CG: Care Consultation Ouote and / or comment	
7	Where Describe the type(s) of location(s) where the intervention occurred, including any necessary infrastructure or relevant features.  Minimum required information: Did the authors describe the type(s) of location(s) where the intervention was delivered and the required (technical) infrastructure for the participants?	Quote and /n Comment Quote: The Alzheimer's Association Helpline (referred to as the Helpline in this paper) is an easily accessible and free resource available 24 h a day, 365 days a year, where callers can speak to master's degree-level care consultants who offer confidential emotional support, valuable and actionable information and referrals to additional resources in the local community. [9]  Comment: Interventions are delivered through the Alzheimer's Association National Helpline as a free resource and the only requirement is access to a telephone		
8	When and how much Describe the number of times the intervention was delivered and over what period of time including the number of sessions, their schedule, and their duration, intensity or dose.  Minimum required information:  Did the authors describe the period, duration, and frequency of the intervention?	Comment: Contact was initiated by participating caregivers, follow-up calls (aside from booster call) are not mentioned, also the length of the calls is not specified and the time of booster call is not indicated		
9	Tailoring If the intervention was planned to be personalised, titrated or adapted, then describe what, why, when, and how.  Minimum required information:  Did the authors describe whether the intervention was personalised, titrated or adapted?	Quote: Care consultation begins with an assessment of the caller's situation () development of an action plan. () The caller's needs, identified through the assessment, determine the type of intervention that is appropriate. [9]		
10	Modifications If the intervention was modified during the course of the study, describe the changes (what, why, when, and how).  Minimum required information:  Did the authors describe whether any modifications were made during the course of the study?	Comment: No information on modifications	Comment: No information on modifications	
11	How well Planned: If intervention adherence or fidelity was assessed, describe how and by whom, and if any strategies were used to maintain or improve fidelity, describe them.  Minimum required information:  Did the authors describe whether adherence or fidelity was planned to be assessed?	Comment: No information on planned assessments	Comment: No information on planned assessments	
12	How well Actual: If intervention adherence or fidelity was assessed, describe the extent to which the intervention was delivered as planned.  Minimum required information:  Did the authors describe whether the intervention was delivered as planned?  Numbers in waste or a foregoing in the prigingly publication, purpleys at the end of quotation are	Quote: In addition, while fidelity checks were conducted with 20 % of all calls, variability in the delivery style of care consultations was a commo observation. Future work to establish the fidelity across care consultations is needed. [9]		

**Supplementary Table 17.** Hodgson 2021 (CReDECI)

CReDECI 2 checklist		Quote and/or comment		
	First stage - Development			
1	Description of the intervention's underlying theoretical basis	Comment: No theoretical approach described		
	Minimum required information:			
	Did the authors describe the intervention's underlying theoretical basis?			
2	Description of all intervention components, including the reasons for their selection as well as their aims / essential functions	Comment: Procedures are described but information on assessment of the caller's situation and the "action plan" are missing.  Quote: The Care Consultation Plus group received a care consultation as described above and also received an additional follow up call from the same care consultant to reinforce specific action steps and identify barriers to following through on the action steps. [9]		
	Minimum required information:			
	Did the authors describe all intervention components?			
3	Illustration of any intended interactions between different components	Comment: No statements on how individual components should interact with each other.		
	Minimum required information:			
	Did the authors describe the intended interactions between intervention components?			
4	Description and consideration of the context's characteristics in intervention modelling	<b>Quote</b> : Family caregivers often find themselves isolated, stressed and overwhelmed as they manage the care for family members with dementia [1]. Telephone support can be a useful delivery modality and can come in the form of emotional and informational support [2,3] and has many advantages		
	Minimum required information:	for dementia caregivers [4]. [9]  Quote: The Alzheimer's Association Helpline (referred to as the Helpline in this paper) is an easily accessible and free resource available 24 h a day, 365		
	Did the authors describe the context conditions?	days a year, where callers can speak to master's degree-level care consultants who offer confidential emotional support, valuable and actionable information and referrals to additional resources in the local community. Yearly, the Helpline receives between 290,000 and 300,000 calls, which averages to about 800 calls per day. [9]		
	Second stage - Feasibility and piloting			
5	Description of the pilot-test and its impact on the definite intervention	Quote: This pilot study demonstrated that the support provided via the Helpline can be effective at improving caregiver mental health and improving the ability of callers to "take action". [9]		
	Minimum required information:			
	Did the authors describe the pilot study and its impact on the definite intervention?			
	Third stage – Evaluation			
6	Description of the control condition (comparator) and reasons for the selection	Quote: Callers assigned to the Care Consultation Condition group received the care consultation service at the time of their call. Care consultation begins with an assessment of the caller's situation and provides in-depth education about the disease and problem solving that result in the development of an		
	Minimum required information:  Did the authors describe the control condition?	action plan. Interventions may include active listening, empathy, validation and normalization, emotional containment, referrals to community programs and crisis assessment. The caller's needs, identified through the assessment, determine the type of intervention that is appropriate. [9]		
	Did the authors describe the control condition?	Quote: Care consultation begins with an assessment of the caller's situation and provides in-depth education about the disease and problem solving that result in the development of an action plan. Interventions may include active listening, empathy, validation and normalization, emotional containment, referrals to community programs and crisis assessment. The caller's needs, identified through the assessment, determine the type of intervention that is appropriate. [9]		
7	Description of the strategy for delivering the intervention within the study context	Comment: No previously published study protocol		
	Minimum required information:			
	Did the authors describe the planned strategy for delivering the intervention within the study context?			
8	Description of all materials or tools used for the delivery of the intervention	Comment: No data collected as this is a pilot study.		
	Minimum required information:			
1	Did the authors provide the materials and tools used for the delivery of the intervention?			

CReDECI 2 checklist		Quote and/or comment
9	Description of fidelity of the delivery process compared to the study protocol	Comment: No data collected as this is a pilot study.
	Minimum required information:	
	Did the authors describe the fidelity of the delivery process compared to the study protocol?	
10	Description of a process evaluation and its underlying theoretical basis	Comment: No data collected as this is a pilot study.
	Minimum required information:	
	Did the authors describe a process evaluation?	
11	Description of internal facilitators and barriers potentially influencing the delivery of the intervention as revealed by the process evaluation	Comment: No data collected as this is a pilot study.
	Minimum required information:	
	Did the authors describe whether internal facilitators and barriers potentially influenced the delivery of the intervention as revealed by the process evaluation?	
12	Description of external conditions or factors occurring during the study which might have influenced the delivery of the intervention or mode of action (how it works)	Comment: No data collected as this is a pilot study.
	Minimum required information:	
	Did the authors describe whether external conditions or factors occurred during the study and might have influenced the delivery of the intervention?	
13	Description of costs or required resources for the delivery of the intervention	Comment: No data collected as this is a pilot study.
	Minimum required information:	
	Did the authors report the costs for the delivery of the intervention?	

#### **CHAPTER C: RISK OF BIAS**

Supplementary Figure 1. Risk of bias traffic light plot of assessments for all outcomes

				Risk of bia	s domains	5	
		D1	D2	D3	D4	D5	Overall
	Coyne 1995 Depression	-		X	X	-	X
	Coyne 1995 Burden	-	-	X	X	-	X
	Coyne 1995 Resource use	-	-	+	X	-	X
	Hodgson 2021 Self-efficacy	X	-	X	X	-	X
	Hodgson 2021 Global health	X	-	X	X	-	X
	Laver 2020 Mastery	+	+	X	X	X	X
	Laver 2020 Upset	+	+	X	X	X	X
	Laver 2020 Behavior	+	+	X	+	X	X
	Laver 2020 Functionality	+	+	X	+	X	X
	Laver 2020 Perceived change	+	+	X	X	X	X
	Tremont 2008 Depression	-	-	X	X	-	X
	Tremont 2008 Burden	-	-	X	X	-	X
Study	Tremont 2008 Reactions	-	-	X	X	-	X
ਰ ਹ	Tremont 2008 Self-efficacy	-	-	X	X	-	X
	Tremont 2008 General health	-	-	X	X	-	X
	Tremont 2008 Knowledge	-	-	+	+	-	X
	Tremont 2008 Family functioning	-	-	X	X	-	X
	Tremont 2008 Perceived social support	-	-	X	X	-	X
	Tremont 2015 Depression	-	X	X	+	X	X
	Tremont 2015 Burden	-	X	X	+	X	X
	Tremont 2015 Reactions	-	X	X	+	X	X
	Tremont 2015 Self-efficacy	-	X	X	+	X	X
	Tremont 2015 Quality of life	-	X	X	+	X	X
	Tremont 2015 Resource use	-	X	+	+	-	X
	Tremont 2015 Family functioning	-	X	X	+	X	X
	Tremont 2015 Positive aspects of caregiving	-	X	X	+	X	X
		Domoino:					

Judgement

- Dotains:

  D1: Bias arising from the randomization process.

  D2: Bias due to deviations from intended intervention

  D3: Bias due to missing outcome data.

  D4: Bias in measurement of the outcome.

  D5: Bias in selection of the reported result.

- Some concerns

Justifications for RoB 2 judgements

https://osf.io/as8uq/

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