

The format and content have not been edited by Journal of Rehabilitation Medicine.

Appendix S1. From the transcripts, confirmed ICF categories corresponding to the WHODAS 2.0 32- items and examples of concepts of functioning linked to the ICF categories.

WHODAS domains and items	Concept of functioning	Linked to most relevant ICF category	
1.Cognition			
Concentrating on doing something for 10 minutes	While I am cooking potatoes, I can go to the living room and forget all about the potatoes	d160 Focusing attention, b1401 Shifting attention	PwCI
	He has stopped watching television	d110 Watching, 1400 Sustaining attention	NOK
Analysing and finding solutions to problems in day-to-day life	It has become difficult to use the remote control for TV, but I push the buttons, and, in the end, I might get it right	d175 Solving problems	PwCI
	I have difficulty learning to use my new mobile phone	d159 Difficult to learn to use a new mobile phone	PwCI
Remembering to do important things	I do not remember what the day is and so. My daughter takes care of the bills and so	b144 Memory functions e310 My daughter*	PwCI
Learning a new task, for example, learning how to get to a new place	It is difficult that is why I stopped going to the city, I might get lost	d1551 Acquiring complex skills d9205 Socializing restriction	PwCI
Generally understanding what people say	She can laugh at the right place but soon you notice that she has not understood what was said	d310 Communicating with - receiving - spoken messages, b16700 Reception of spoken language*	NOK
Starting and	I do not talk so much anymore it is a moderate problem	d3500 Starting a conversation	PwCI
maintaining a conversation	I talk she does not take part in the conversation as before	d3501 Sustaining a conversation	NOK

2. Mobility			
Standing for long periods such as 30 minutes	It is difficult because my balance is not good	d4154 Maintaining a standing position	PwCI
Standing up from sitting down	Yes it is difficult because of my knee arthritis	d4104 Standing is difficult because of knee arthritis b7101*	PwCI
Moving around inside your home	It is difficult because I might lose my balance. I use a walker a lot	d4600, sensation of losing the balance b7808*, walker e1201*	PwCI
Getting out of your home	I do not dare to go out by myself; I do not go out without my daughter	d4608 don't dare to go out without the support of the daughter e310*	PwCI
Walking a long distance such as a kilometre (or equivalent)	Maybe I could walk a half kilometre with the walker but not without it	d4501 walker e1201*	PwCI
3. Self-care			
Washing your whole body	One day we grasped that she had not washed in a long time	d5101Washing whole body	NOK
Getting dressed	He gets dressed when I guide him. He would not do it without my help	d540 cannot without the support of the NOK	NOK
Eating	I don't have any appetite, my husband died	d550 I have no appetite b1302*	PwCI
Staying by yourself for a few days	He does not wash He has severe problems with washing	d510 Washing oneself	NOK
	He wants to take care of it but he cannot	d520 Caring for body parts	NOK

	His clothes start to smell bad it is a difficult problem	d530 Toileting	NOK
	She cannot prepare meals any longer and I do not know if she eats enough	d5701 Managing diet and fitness, d630 Preparing meals	NOK
	Now the home care staff brings the food/ I have it in the freeze	d620 the home care e5750* brings the food	PwCI
	I cannot gather myself to make a proper meal/ I get anxious about it/it is exceedingly difficult for me	d630 Preparing meals, I get anxious b1522 about it	PwCI
	There are misunderstandings like somebody else not her has started the washing machine and so	d640 Doing housework	NOK
	It is difficult I am afraid that I fall from a ladder and so, but I can mob and so	d650 Caring for household objects, climbing d4551* b1522 afraid	PwCI
4. Getting along			
Dealing with people you do not know	She has always talked with all and everyone but now she has become quiet something has changed	d730 Relating with strangers	NOK
Maintaining a friendship	She has no social life now; it is her friend who takes contact not her	d7500 Informal relationships with friends	NOK
Getting along with people who are close to you	Not with us but she squabbles with her closest friend all the time nowadays	d750 Informal social relationships	NOK
	Yes, one must be careful how one chooses one's words, what is best not to say (to his wife)	d760 Family relationships	PwCI

	He is doing something all the time and my nerves are on the edge	d770 Intimate relationships	NOK
Making new friends	I do not meet any new people because I am mostly at home	d7200 Forming relationships	PwCI
Sexual activities	Yes, because I do not have a partner	d7702 Sexual relationships	PwCI
5. Life activities			
Taking care of your household responsibilities	I do not do anything the home care staff takes care of it	d 6 Domestic life e5750 Home care staff *	PwCI
	Now I must do everything he used to do, he cannot	d660 Assisting others	NOK
Doing most important household tasks well	No, she does not see if it is dirty/ I do not get it that she does not see the dirt	d6402 Cleaning	NOK
	Everything goes slower now, and it is a problem	d6408 Doing housework, other specified goes slower	NOK
Getting all the household work done that you needed to do	If I must take care of several things in the kitchen/ I want to be alone/ I cannot concentrate on doing things if my spouse comes in	d640 Doing housework d220 Undertaking multiple tasks	PwCI
Getting your household work done as quickly as needed	It takes a long time now/I think it goes well but maybe my spouse disagrees	d650 Caring for household object d6508 takes more time	PwCI
6. Participation	How much of a problem do you have?		

Joining in community activities	I would like to be more at the local meeting place for the elderly/ I was there once but it was difficult for them to take new members	d9108 local meeting place for elderly	PwCI
Because of barriers or hindrances in the world	I do not go outside by myself/ If I fall outside the home alarm does not help me that is why I need somebody with me every time	d9 Community, social and civic life	PwCI
	I used to go to the church but now I cannot/ I miss it	d930 Religion and spirituality	PwCI
Living with dignity	I cannot blame others but I feel that I am hindered from taking part in the activities because of this thing (dementia)	d940 Human rights	PwCI
Feeling emotionally affected	It is a difficult question indeed/ One can get annoyed and things like that/ Between mild and moderate problem	b152 Emotional functions	PwCI
Because health is a drain on your financial resources	I do not know if I have any money left my daughter pays the bills/ It is a big problem	d8700 Personal economic resources	PwCI
Doing things for relaxation or pleasure by yourself	I used to go hunting and so/ Now I cannot I'm afraid that something bad happens	d920 Recreation and leisure	PwCI

*Confirmed additional ICF body functions and environmental factors categories.

Appendix S2. From the transcripts confirmed additional ICF body Functions categories and examples of concepts of functioning linked to the ICF categories.

Concept of functioning	Most relevant ICF category describing participant perceived functioning problem	
It has happened that they have called an ambulance because I have passed out	b1108 Consciousness functions I have passed out	PwCI
I do not go out without GPS/ Without it I get lost	b1141 Orientation to place, I get lost without GPS e1251 Assistive products and technology for communication	PwCI
I am aware that I have this (dementia)	b117 Intellectual functions (dementia)	PwCI
I have always had a bad self-confidence	b1266 Bad self-confidence	PwCI
I can take care of the household but I have not cared so much about it	d640 Doing housework, I can take care of the household b1301 Motivation/ I have not cared	PwCI
I have no appetite/ I miss my husband	b1302 Appetite, b1522 Range of emotion (sorrow)	PwCI
I often wake up in the middle of the night and I must go to the toilet	b1342 Maintenance of sleep b630 Sensations associated with urinary functions	PwCI
I write badly/I do not remember the letters nor how to use them	b16711 Expression of written language. d170 Writing*	PwCI
He has stopped reading/ he reads almost nothing nowadays	b16701 Reception of written language. d166 Reading*	NOK
I speak less nowadays it is something new it is a problem	b16710 Expression of spoken language. d330 Speaking*	PwCI
I think I have a hearing problem/ I ate lunch with my friend, and I did not hear what she said	b2308 I did not hear what she said	PwCI
I have pain in the arm while washing/ I have arthritis in my shoulders	b28014 Pain in upper limb, b7101 arthritis	PwCI
I started to watch my weight and I have lost a lot of weight	b530 weight maintenance functions, losing weight	PwCI
I have arthritis in my shoulders	b7101 arthritis in shoulders	PwCI
I must be careful so that I do not lose my balance while moving	b7808 Sensations related to muscles and movement functions	PwCI

*Confirmed additional ICF components of activity and participation categories.

Appendix S3. From the transcripts confirmed additional ICF environmental factor categories and examples of concepts of functioning linked to the ICF categories, and if the environmental factor was perceived as a facilitator (F) or barrier (B) of functioning.

Concept of functioning	Most relevant ICF category describing participant perceived facilitator or barrier of functioning		
Home care personal helps me to remember my <i>medicines</i>	e1101 Drugs	F	PwCI
I am afraid to fall and hurt me but I have the <i>home alarm</i>	e1158 other specified Home alarm	F	PwCI
Without a <i>walker</i> I could not go shopping	e1201 walker	F	PwCI
I write everything down on a <i>calendar</i>	e1259 unspecified Calendar	F	PwCI
I can still use the <i>cell phone</i> but it must be cleaned of information that makes it difficult to use	e1250 Cell phone d360 Using telecommunication devices*	F	PwCI
It is challenging to climb up the <i>stairs</i> (there is no elevator)	e155 Design, construction, and building products and technology of buildings for private use	B	PwCI
Walking in <i>hilly terrain</i> is hard	e2100 Hilly terrain	B	PwCI
The porch is slippery in the <i>winter</i> and I am afraid of slipping on it	e2255 Winter	B	PwCI
My <i>wife</i> looks after my bank account so that I do not squander <i>money</i>	e310 Wifec1650 Money	F	PwCI
I do not have any <i>friends</i> / It is a problem	e320 Friends	B	PwCI
I stopped going to the meetings and I miss <i>people</i> (peers at the club)	e325 Peers, club members	B	PwCI
<i>Home care personal</i> means security for me I feel safe/they check that I am alive	e5750 Home care personal	F	PwCI
I used to <i>drive</i> around but now I do not because the <i>doctor</i> took my driver's license	e355 Health professionals d475 Driving*	B	PwCI
Contacts with <i>social workers</i> have been good	e360 Social workers	F	NOK
He is doing something all the time that gets on my nerves	e498 NOK he gets on my nerves	B	PwCI
He has become <i>sedentary</i> because of his dementia/ We need to support him	e440 We, need to support him	F	NOK

	5750 Home care staff		
I tried to tell her about my memory problems to my nurse but <i>she says that it is normal forgetfulness</i>	e499 unspecified PwCI experience of her nurse's attitudes towards elder people with memory problems	B	PwCI
I cannot use <i>the bus</i> anymore/ It is challenging to step onto the bus	e5400 Transportation services d4702 Using the bus* d4551 it is difficult to step into the bus*	B	PwCI
I have a food distribution and I am satisfied with it	e5758 Food distribution	F	PwCI
At the day centre I meet people who have about the same that I have/ It is essential to meet people	e5758 Daycentre for people with dementia d9108 PwCI perspective, it is essential to meet people	F	PwCI
I have a transportation service that I use when I go shopping	e5758 Social security services, transport service	F	PwCI

*Confirmed additional ICF components of activity and participation category.

Appendix S4. From the transcripts confirmed concepts of functioning that were linked as, not covered health condition (nc-hc), not covered quality of life (nc-qol), not definable general health (nd-gh), not-definable functioning (nd-func), not-definable disability (nd-dis), or personal factor (pf).

Concept of functioning	Linked as
Not really because I have had other diseases too.	nc-hc
I also suffer from migraines sporadically.	nc-hc
I have had many operations; it is a big problem.	nc-hc
I have had a cardiac arrest, but it is not a problem.	nc-hc
I think I manage quite well, after all.	pf
It is nice to live alone I can do as I want to.	nc-qol
I do not miss anything I am happy with the things as they are.	pf
Everything goes fine simply fine. No troubles at all.	nc-qol
No problems, but I am getting old, and I do not manage to do so much.	pf
No, I have not I am getting better.	nd-gh
I manage even the whole week by myself.	pf
I have not done that lately, so I do not know.	nd-func
Everything goes slower now, and it is a problem.	nd-dis
It is not a problem if I want to go.	pf
My husband died; I am a widow. I feel so lonely.	pf