

The Pool Activity Level (PAL) Instrument



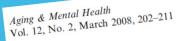
Jackie Pool
Dementia Care Champion
QCS Quality Compliance Systems

What is the Pool Activity Level Instrument?

- Developed by Jackie Pool, an Occupational Therapist specialist in dementia and Dementia Care Champion at QCS
- A reliable and valid assessment and guide to support individuals at different stages of dementia and other cognitive impairments to experience meaningful and enriching lives
- Recognised by NICE in the Clinical Guidelines for dementia (CG42, 2006)
- Guides professional and informal care givers in HOW to support an individual









Assessing the validity and reliability of the Pool Activity Level (PAL) Checklist for use with

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Activity is key to maintaining physical and mental health and well-being. However, as dementia affects the ability Activity is key to maintaining physical and mental nearth and wen-being. However, as dementia affects the ability to engage in activity, care-givers can find it difficult to provide appropriate activities. The Pool Activity Level (PAL) Checklist guides the selection of appropriate, personally meaningful activities. The aim of this study was to assess the reliability and validity of the PAL Checklist when used with older people with dementia. A postal questionnaire sent to activity providers assessed content validity. Validity and reliability were measured in a questionnaire sent to activity providers assessed content valuative. Valuative and remaining were measured in a sample of 60 older people with dementia. The questionnaire response rate was 83% (102/122). Most respondents felt no important items were missing. Seven of the nine activities were ranked as 'very important' or 'essential' by at least 77% of the sample, indicating very good content validity. Correlation with measures of cognition, seventy of dementia and activity performance demonstrated strong concurrent validity. Inter-item correlation indicated of definentia and activity performance demonstrated strong concurrent various, their-tient conclusion indicated strong construct validity. Cronbach's alpha coefficient measured internal consistency as excellent (0.95). All items achieved acceptable test-retest reliability, and the majority demonstrated acceptable inter-rater reliability. We achieved acceptable reservees renability, and the majority demonstrated acceptable inter-rate renability, we conclude that the PAL Checklist demonstrates adequate validity and reliability when used with older people with dementia and appears a useful tool for a variety of care settings.

The PAL Instrument Checklist is a reliable and valid tool for use with people with dementia. It is used around the world in Hospitals, Care Homes and other care settings as well as in research





The PAL Instrument was recognised by NICE as a tool to support therapeutic interventions for people with dementia

A NICE-SCIE Guideline
on supporting people with dementia and their carers
in health and social care
National Clinical Practice Guideline Number 42
National Collaborating Centre for Mental Health

commissioned by the

Social Care Institute for Excellence National Institute for Health and Clinical Excellence

published by





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7. THERAPEUTIC INTERVENTIONS FOR PEOPLE WITH DEMENTIA— COGNITIVE SYMPTOMS AND MAINTENANCE OF FUNCTIONING

7.2.2 Interventions for promoting independence

Activity planning

The principles of ADL skill training can be applied across various a Identifying the person's strengths and challenges and his o to plans for establishing a wider range of activities. should also consider preferences, interests plans (Kolanowski et al., 2005; Pool, 2012

Page 167







Meaningful Engagement:

Facilitating the 'just right' challenge







The PAL Instrument

- Assesses cognitive functional ability
- Helps people with dementia and other forms of cognitive difficulty to do personal, domestic and leisure activities





The easy -to -complete electronic PAL Instrument Checklist automatically works out the level of cognitive and functional ability of the individual at 4 possible levels of ability







EXPLORATORY



SENSORY



REFLEX





	Reflex	Sens	ory Explo	ratory F	Planned	
Allen's levels	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Sensory cues	Subliminal	Proprioceptive	Tactile	Visible	Related	Symbolic
Information Processing	Reflex	Effect on body	Effect on environment	Several actions	Overt trial and error	Covert trial and error
Motor actions	Automatic	Postural	Manual	Goal-directed	Exploratory	Planned
Reason for Response	Arousal	Comfort/Movement	Interest Touching	Compliance Seeing	Self-control Reasoning	Reflection Reasoning
Perception of Objects	Penetrate Subliminal state	Own body	Exterior surfaces	Colour Shape	Space and depth	Intangible
Setting of Objects	Reflex zones	Range of motion	Arms reach	Visual field	Task environment	Potential task environment
Use of Objects	Stimulated body Part	Spontaneous use of body part	Chance use of found objects	Hand tools as a Means to an end	Hand tools used to vary means and ends	Tool making
Verbal directions	Verbs	Pronouns Names of body parts	Names of material objects	Adjectives Adverbs	Prepositions Explanations	Conjunctions Conjectures
Demonstrated directions	Physical contact	Guided movements	Action on an object	Each step in a series	Each step & precautions for errors	Not required

Allen CK, Earlheart CA, Blue T (1992) Occupationa I Therapy Treatment Goals for the Physically and Cognitively Disabled.

The American Occupational Therapy Association, Inc. Rockville, MD







Planned Level of Ability

Can use cognitive skills to complete an activity (but may have difficulty with problem solving)

Can follow simplified speech and language

Aware of needs of others

Can carry out
activities
independently with
'stand -by' assistance



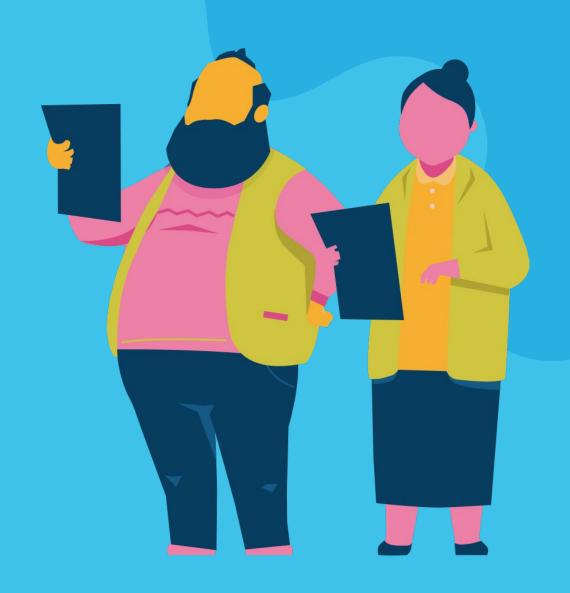


Exploratory Level of Ability

Can carry out familiar and simple activities in familiar surroundings

Spontaneous and creative

Will find simple directions and memory aids helpful







Sensory Level of Ability

Concerned with sensations

Can carry out single step activities

May need a demonstration of actions





Reflex Level of Ability

Movement is a reflex response to sensation

Responds best to single sensations

Needs opportunity to receive information through the range of senses

Can develop therapeutic relationships through the use of sensitive communication skills











The Pool Activity Level (PAL) Instrument Checklist





Completing the PAL Checklist

You can choose to complete the PAL Checklist digitally or manually — it is available at the QCS website: https://www.qcs.co.uk/digital — pool -activity -level -pal -instrument/

You can download and print the Pool Activity Level (PAL) Checklist so that you can save it as a record of the individual's ability at the date of your completion. You will then be able to compare progression of the person's ability at future dates.

You should copy the information from the manually completed PAL Checklist into the digital version in order to automatically produce the appropriate PAL Guide for you to support the person.





1. Bathing/Washing	Р	Е	s	R
Can bathe/wash independently, sometimes with a little help to start.				
Needs soap put on cloth and one step at a time directions to wash.				
Mainly relies on others but will wipe own face and hands if encouraged.				
Totally dependent and needs full assistance to wash or bathe.				
2. Getting dressed	Р	E	S	R
Plans what to wear, selects own clothing from the cupboards; dresses in correct order.				
Needs help to plan what to wear but recognises items and how to wear them; needs help with order of dressing.				
Needs help to plan and with order of dressing, but can carry out small activities if someone directs each step.				
Totally dependent on someone to plan, sequence and complete dressing; may move limbs to assist.				
3. Eating	Р	E	S	R
Eats independently and using the correct cutlery.				





Completing the digital PAL Checklist

Thinking of the last 2 weeks, click on the statement that represents the person's best ability in each of the 9 sections.

Where possible, complete the Checklist as a team so that the widest possible knowledge of the person's abilities is gathered

If no -one has observed the person completing any of the 9 activities, provide the person with the opportunity and record their ability

If you are interviewing a family member or other close person, be aware that their information might be affected by their own expectations or way of caring

Be aware that your selection should represent what the person CAN do, which might not be the same as what they ARE doing

There should only be ONE CLICK for each section.

You must click one statement for each section.

The number of clicks for each column will have been automatically calculated at the end of the Checklist and the person's PAL level of ability will have been identified





Welcome back!

What did you find out?

	Planned	Exploratory	Sensory	Reflex	Overall Level
Ken	6	3	0	0	Planned
Elsie	0	9	0	0	Exploratory
Irene	0	2	7	0	Sensory
Gertie	0	0	0	9	Reflex







The digital PALInstrument Checklist automatically turns into the PALGuide for supporting the person

bathing/showering/washing

getting dressed

dining

engaging with others

engaging in leisure activities





The user can add personal details about the individual's preferences, routines and likes or dislikes











You can use the PAL Guide to plan treatment of the person who is living with dementia and to support their family and other carers.





You can also share the PAL Guide with other services so that they understand how to support the person







How can you measure and evidence that Meaningful Engagement is happening

Introducing the NEW QCS PAL Engagement Measure

Physical:

Stamina, balance, coordination, dexterity, range of movement, grip

Social:

Interpersonal, communication, empathy, rapport

Cognitive:

Thinking, reasoning, problem solving, speech and language, memory, learning, recall, concentration, attention

Emotional:

Wellbeing, illbeing





What is the QCS PAL Engagement Measure?

Research study demonstrated the utility of the Engagement Measure as good.

The Engagement Measure was sensitive to change and illustrated an improvement in engagement that was aligned with improvement in behaviour including relating to others, dexterity, and emotional interaction

Reference: Pool J and Collier L. Validity and Use Of The PAL Engagement Measure in Pool J 2022 (in press) The QCS Pool Activity Level Instrument (5th ed). Jessica Kingsley publishers, London

QCS PAL ENGAGEN	MENT ME	ASURE_					PAL INSTRUMENT POWERED BY ©S (SEE-	
NAME:	Measure 1	Measure 2	Measure 3	Measure 4	NOT OBSERVED DURING THE ACTIVITY (0 Point)	OBSERVED AT TIMES (1 Point)	OBSERVED CONSISTENTLY (2 Points)	
OBSERVED ACTIVITY:	_							
Date	:							
COGNITIVE ABILITIES								
Goal aware					Has an end result in mind, can p	lan how to achieve and	l work towards this	
Initiates					Independently starts an action to			
Attends					Notices and focuses on a sensal		•	
Concentrates					Sustains attention on the activity	, person or object		
Adjusts		1)	Adapts actions to meet the dema	ands of the activity		
Explores					Shows interest in and seeks to engage with environment, people or objects			
Responds					Reacts to sensations, verbal requests or prompts			
PHYSICAL ABILITIES								
Stabilises					Maintains balance and posture v	while moving, standing	or sitting	
Manipulates				 	Uses tools and objects to achiev	re an end result. Handle	es an object in response to the sensation it generate	
Coordinates				 	Moves smoothly while negotiating	ng obstacles of handling	g objects	
Grips objects					Uses appropriate strength to hole	d objects securely		
Releases objects			 		Independently and appropriately	lets go of objects		
SOCIAL INTERACTION								
Aware of others	<u>. j</u>				Notices and responds directly or	indirectly to the preser	nce of others	
Shares					Offers and accepts objects to/fro	m others		
Vocal interactions		! !	: 		Uses vical sounds to make a con	nnection with others		
Non-vocal interactions					Uses body language to make a	connection with others		
EMOTIONAL WELL-BEING		ļ						
Норе					Shows a sense of optimism in er	ngaging in the activity		
Agency					Shows a sense of purposefulnes	s in carrying out the ac	tivity	
Self-confidence		ļ			Shows a sense of empowerment	and autonomy when ca	arrying out the activity	
Self-esteem					Shows a sense of fulfilment when	n carrying out an don co	ompletion of the activity	





What is the QCS PAL Engagement Measure?

NAME:	Measure 1	Measure 2	Measure 3	Measure 4	NOT DESERVED DURING THE ACTIVITY IN PAINS	OBSERVED AT TIMES (1 Point)	OBSERVED CONSISTENTLY (2 Points		
OBSERVED ACTIVITY:									
Date:									
COGNITIVE ABILITIES									
Goal aware	- 1	1	1	2	Has an end result in mind, can p	sian how to achieve and	work towards this		
initiates	1	1	1	1	independently starts an action to				
Attends	1	2	2	2	Notices and focuses on a sensa				
Concentrates	2	2	2.	2	Sustains attention on the activity	ALCONO DE LA COLONIA DE LA COL			
kijusts	1	2	2	2	Adapts actions to meet the dem	1000			
Explores	1	1	1	2	Shows interest in and seeks to engage with environment, people or objects				
Responds	1	1	1	1	Reacts to sensations, verbal requests or prompts				
PHYSICAL ABILITIES									
Stabilises	0	0	1	1	Maintains balance and posture	while moving, standing	or adding		
Manipulates	- 1	2	2	2	Uses tools and objects to achieve an end result. Handles an object in response to the sensation it gen				
Coordinates	1	2	2	2	Moves smoothly while negotiati	ng obstacles of handling	g objects		
Grips objects	1	1	1	- 1	Uses appropriate strength to hol				
Releases objects	0	1	1	1	Independently and appropriately	y lets go of objects			
SOCIAL INTERACTION									
Aware of others	2	2	2	2	Notices and responds directly or	r indirectly to the preser	ce of others		
Shares	1	2	2	2	Offers and accepts objects toffo				
Vocal interactions	2	2	2	2	Uses vical aounds to make a co	nnection with others			
Non-vocal interactions	2	2	2	2	Uses body language to make a	connection with others			
EMOTIONAL WELL-BEING									
Норе	2	2	2	2	Shows a sense of optimism in e	ngaging in the activity			
Agency	0	1	1	1	Shows a sense of purposefulnes	as in carrying out the ac	tvity		
Self-confidence	1	1	2	2	Shows a sense of empowerment	rand autonomy when co	arrying out the activity		
Self-esteem	1	2	2	2	Shows a sense of fulfillment who	n carrying out an don co	ompletion of the activity		
% Engagement Achieved	55	75	80	85					







PAL Instrument Ordering/Download Information

Visit: https://www.qcs.co.uk/digital -pool -activity -level -pal -instrument/
to download a FREEcopy of the PAL Instrument and to keep in touch
with new developments

Visit: https://www.qcs.co.uk/dementia -centre/
to find our more about the range of Dementia Centre resources



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