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BACKGROUND

Evidence shows that digital health technology can aid in adherence to exercise for people with PD, but it is used infrequently in clinical practice.

PURPOSE

To describe barriers & facilitators to using digital health technology.

INTERVIEW PARTICIPANTS

- People with Parkinson's disease (PwPD)
- Physical therapists (PT)
- Technology stakeholders (Tech)

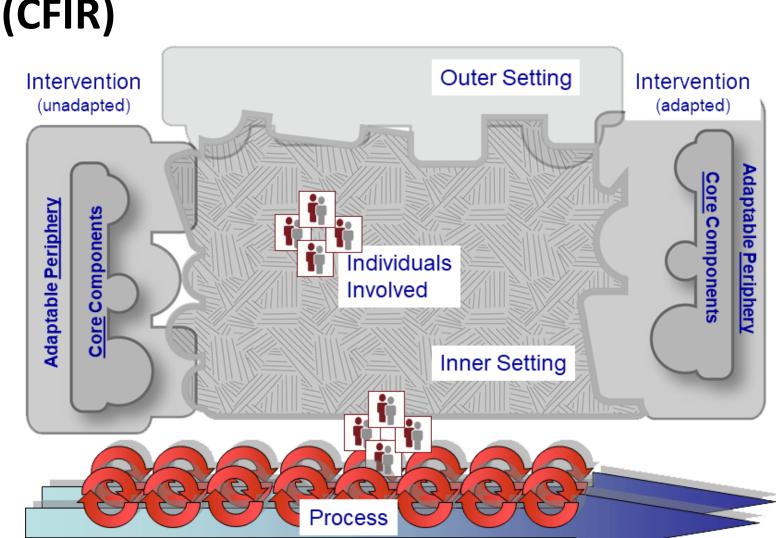


	34	3 €	
Age years (mean ± SD)	65.31 ± 8.67	37.00 ± 6.35	47.38 ± 11.25
Characteristics	46% of PwPD were within 3 years of diagnosis	Average 11 ± 7 years in practice	Average 14 ± 11 years in field
Confidence with Using Technology (scale of 1-10)	8.8 ± 2.8 (10 highest)	7.3 ± 1.8 (10 highest)	N/A

ANALYSIS

Coded barriers and facilitators using Consolidated Framework for Implementation Research (CFIR)





Barriers and Facilitators to Using Digital Health Technology in an Outpatient Clinic: A Qualitative Study

Simplify digital health technology in PT to increase use by people with PD.

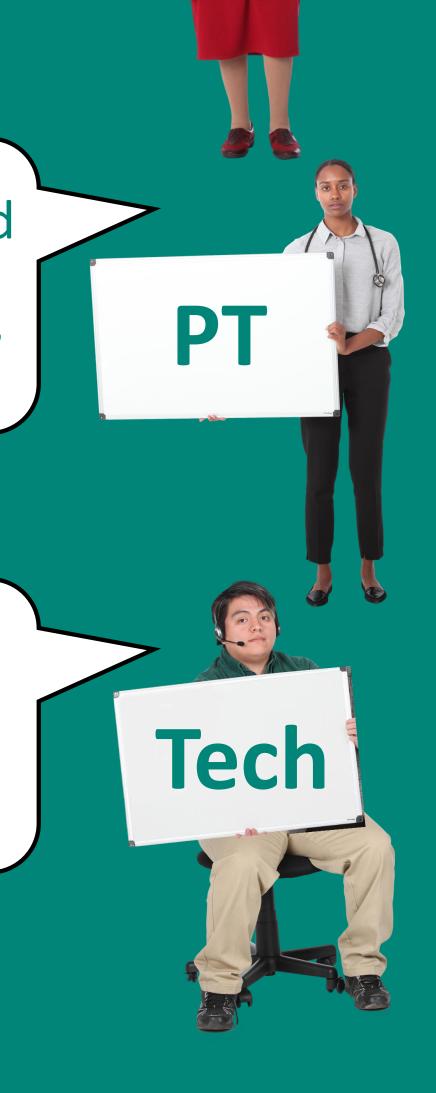


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"If it frustrates me, I don't use it. I don't do things that frustrate me anymore. And so it needs to be simple. It needs to be accurate."

"Give me some recommendations ... It would be easier if someone else had put the information in a concise [package] for me ... "

"Technology ... is already being developed in a way that they can use it easily ... at the end of the day, clinicians are very busy ..."



PWPD

Design: Interviews Approach: CFIR

RESULTS

Intervention Chara	actoristics Domain		
-	<u>.</u>		
Construct	Barrier/Facilitator		
Evidence Strength & Quality	-Poor quality of the device+High level of evidence+Good quality of the device		
Relative Advantage	-Paper can seen as be easier +Technology allows for passive monitoring +Technology won't be misplaced -Wearables may not adapt to variable moto patterns for people with PD.		
Adaptability			
Complexity	-Can feel complicated -High variety and variability among technologies +Passive monitoring makes it easy		
Design Quality & Packaging	-Needs to be charged +User-friendly dashboards +Some apps allow for goal setting +Provides immediate feedback		
Cost	-High cost		
Inner Setting Don	nain Readiness for		
Implementation C	onstruct		
Available Resources	-Clinicians have limited time to learn and u technology. +Providing easy-to-use resources		
Access to Knowledge & Information	+Cheat sheets are helpful. +More exposure can build confidence +Support access to education and resource allows for integrated technology use in a hospital.		
Characteristics of	Clinicians & Patients Domain		
Knowledge & Beliefs about the Intervention	-Can take a lot to learn +Can provide useful information about activity, daily patterns, intensity of workou		
Self-Efficacy	+/- Self Efficacy +Simple technology is easy to use		
Other Personal Attributes	+/- Digital Literacy -Motor symptoms like balance or coordination may interfere with use +Non-motor symptoms can interfere with exercise, technology may provide a tool to help address these barriers		
	ngaging Construct		
Process Domain E	ilgagilig Colistiuct		

CLINICAL BOTTOM LINE

THERAPISTS SHOULD

- Identify user friendly features in apps
- Gather resources for PwPD and PTs
- Use individualized approaches
- Engage family, social and healthcare team supports

