Supplementary Table 1. SPIRIT outcome schedule

	BEŀ	IAVIC	DRAL	WHE	EL FR	AMI	EWOF	RK	MEASUREMENTS											
									Cross sectional	Cross sectional					Longitudinal					
Phenotyping variables	Cor	itext			Skill		Drives		Self reporting		Clinical Assessment		Ecological momentary assessment		Time Series Data					
	Physical	ural		Political	cial	Motor	U	Reflective	М	ТР	М	ТР	М	ТР	М	ТР				
Age	х								GQ	то										
Gender	х								GQ	ТО										
Marital Status		х							GQ	то										
Retirement			х						GQ	ТО										
Education		х							GQ	ТО										
Living arrangement		x							GQ	ТО										
Income			х						GQ	ТО										
Driving status						x			GQ	ТО										
Urbanisation		x		х					GQ	ТО										
Living status			х						GQ	ТО										

Access to facilities			x	x			GQ	ТО			X	TR		
Smoking	х	х					GQ	T0						
Mobility issues						x	GQ	ТО						
Self rated heatlh	x						GQ	ТО			Х	TR		
Participation/ volunteering		x					GQ	ТО						
Pain	х						NRS	T0			Х	TR		
QoL	x	x	x	x			WHOQoL	ТО			Х	TR		
Depression					x		Geriatric Depression Scale	ТО						
Stress					x		Perceived Stress Scale	ТО			X	TR	Garmin	тс
Cognitive characteristic s					x		Cognitive Flexibility Inventory	ТО	Reaction time + Impulse control	то				

Subjective wellbeing		x		Satisfaction with Life Scale (Diener)	ТО			X	TR		
Anxiety		x		GAS - 10	T0			Х	TR		
PA	х		x	IPAQ	T0 T1/2 T2			Х	TR	Garmin	тс
Steps			х							Garmin	TC
Calories			х							Garmin	TC
HR			х							Garmin	TC
Number of Floors			x							Garmin	TC
MVPA			х							Garmin	TC
Cardiometab olic outcome			x			6MWT	ТО			Garmin	тс
Blood Pressure			x			ВР	то			Garmin	
Body Battery			х							Garmin	TC
Sleep			x	Geriatric Sleep Questionnaire (GSQ-6)	то			X	TR	Garmin	ТС

Muscle strength				x				Grip Force (hand held) - Q - strength	ТО			
Weight				x				scale	T0			
Height				x				Stadio measure	ТО			
Abdominical Circumferenc e				x				Tape measure	ТО			
Flexibility				x				Hamstrings- stretch	ТО			
Balance				x				Kinvent	ТО			
Emotional loneliness			x			De Jong Gierveld Loneliness scale	ТО			х	TR	
Social identity and role					x	Exercise Identity scale	то			Х	TR	
Self efficacy					х	SCI Exercise Self-Efficacy	то			Х	TR	

					Scale (ESES)					
Motivation PA				x	Exercise Motivations Inventory (EMI-2)	ТО		X	TR	

^{*}T0 = baseline level, TR = random time TC= continuous monitoring