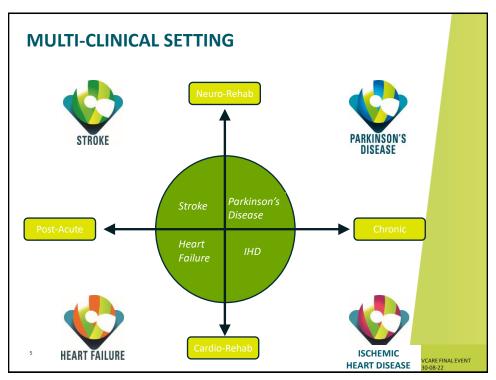
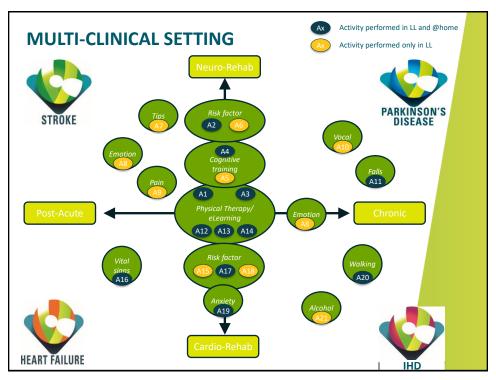


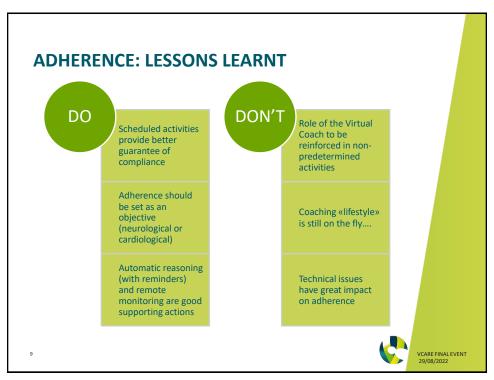
Key items	Evidence from benchmark with 30 EU projects / market solutions			
Multi-clinical settings	It is rare to identify a project that is inclusive of more than one clinical context (i.e. a specific pathology). Quality of life in elderly population is the common background of the few projects addressing multiple clinical settings, but for healthy subjects.			
Continuity of care	Almost all the selected projects focus on a home setting. Moreover, <u>continuity of care</u> between hospital and home is present only in about <u>half of the projects</u> .			
Secondary prevention	This criterion is fulfilled by one third of the selected projects, the ones matching with the key word "rehabilitation". The key word "virtual coach" is never associated with this clinical approach.			
Personalized Care Plan	The presence of <u>dynamic adaptation</u> is reported <u>only in four projects</u> . The dynamic adaptation is anyway specific on a single output: intensity of treatment in motor rehabilitation, compliance to the care plan, digital biomarker identification and therapy compliance.			
Extended Quality of Life	An extended "Quality of Life perspective" is applied only to almost half of the projects, according to a different viewpoint. The other projects focus on a specific item, like risk factors prevention, fall detection, cognitive decline, a single motor deficit or a specific body district.			





Carandan	0.4	Pathology		
Secondary Outcomes		STROKE	PD	
Total n. of times patients carry out an activity suggested by the I/Care (A1/A4)	Min. 70% of the proposed activities are followed by min. 80% of patients	✓ 85% of patients performed >70% of cognitive games during the monitoring period (total score 95%) ✗ 66% of patients performed >70% of motor games during the monitoring period (total score 73% ✗ 71% of patients performed >70% of vCare Avatar App activities	✓ Regarding cognitive games, 4 patients showed an adherence of 100%, the others >88% ✓ All patients showed an adherence for motor games >88%	

Secondary Outcomes		Pathology			
		STROKE	PD	PD HF	
Adherence in playing games (A1/A4)	planned v/s played	Motor: 66% Cognitive: 95%	Motor: 92,7% Cognitive: 96,6%	Motor: 43%	Motor: 45%
Adherence in wearing the wristband (A2)	day wristband / total days	Total adherence score: 43%	Total adherence score: > 90%	Total adherence score: 16%	Total adherence score: 26%
Adherence in e- learning	At least once a week	✓ 85% of patients watched at least one video per week ✓ 85% of patients watched at least 3 videos during the monitoring period	√ 3 patients showed 100% adherence √ One patient showed 83.33% adherence X 4 patients showed adherence <50%	X Not all patients looked at all e- learning materials	X Not all patients looked at all e- learning materials



Secondary Outcomes		Pathology					
		STROKE	IHD				
Daily n. of steps	10% increase (T0 v/s T1)	X No significant increase between the beginning and end of the home rehabilitation program Y On average, patients performed around 2400 steps per day	X No significant increase of avg. walking minutes ✓ 62.5% of patients presented a significant improvement in their fluidity (in PD, very relevant parameter)	✓ The average n. of steps increased by 32%. ✓ On average, patients performed around 2476 steps per day.	✓ The average numbe of steps increased by 32%		
Time devoted to exercise	10% increase (T0 v/s T1)	✓ Motor games: increased by 12% (accomplished / prescribed) ✓ Cognitive games: increased by 11%	N/A	✓ Increased by 12%	✓ Increased by 12%		
Changes in weight	Close to normal BMI			X The objective of reaching a normal BMI was not reached			
Medication adherence	< 140/90 mmHg			✓ All patients maintained blood pressure <140/90 mmHg			
Cholesterol levels	> 10% of reduction			✓ Decrease by 30%	✓ Decrease by 27%		

