

The shift of care from hospital to home

An example in the neuro-rehabilitation domain



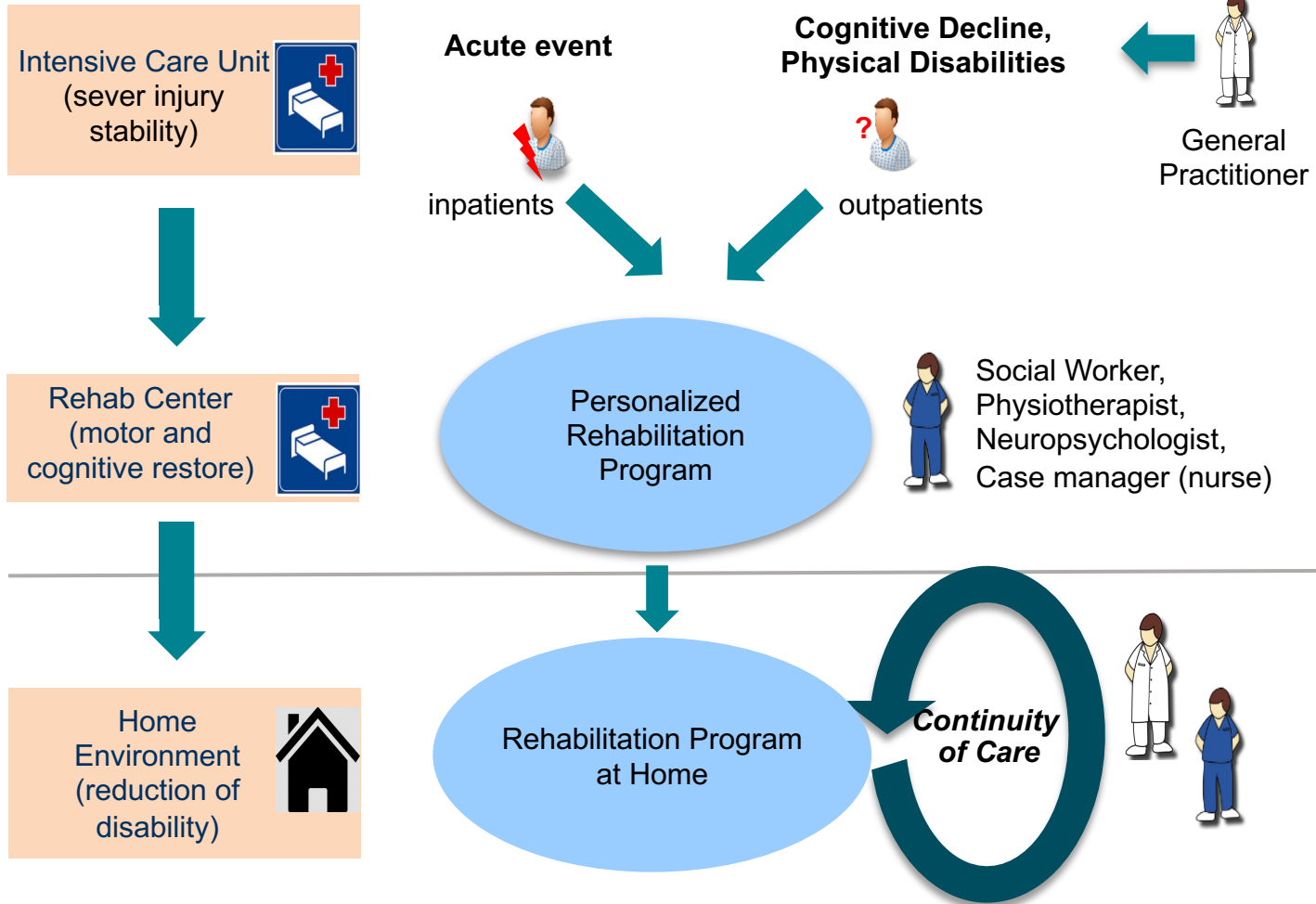
Massimo Caprino: CIO, Casa Cura Policlinico (CCP)

Riccardo Re: Research Physiotherapist

Exploring Digital Therapeutics (DT), Artificial Intelligence (AI) , and Virtual Coaches (VC)

EHTel Innovation Initiative, 3 June 2020

Stages of neurorehab pathway



Digital therapeutics: needs coverage at home



Motor
impairment



Cognitive
decline



Reduction of
Disability and
Quality of Life
Enhancement

Activity
of Daily
Living
support

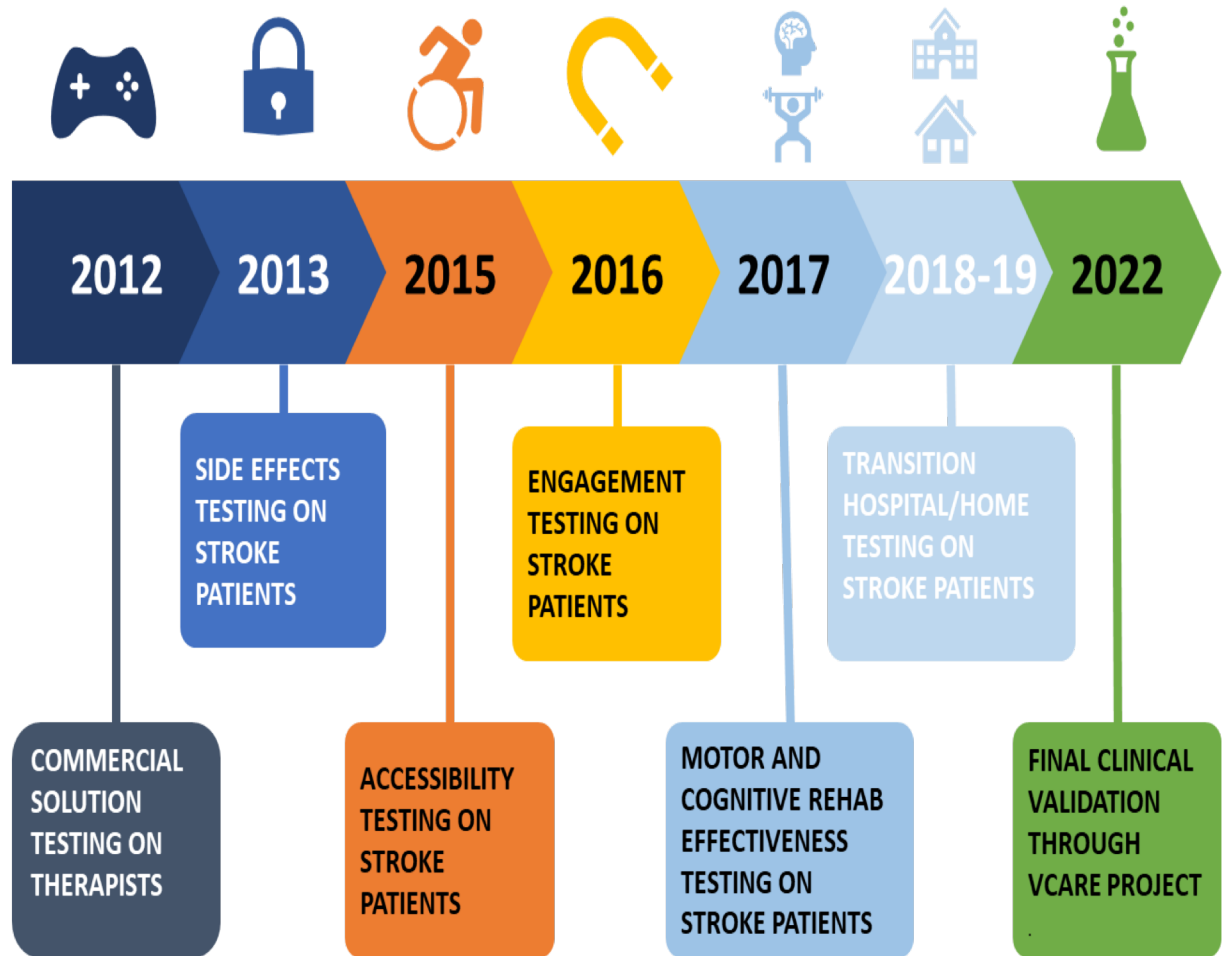


CCP and Digital Therapeutics: The Journey

Digital Therapeutics R&D timeline involving CCP in Neurorehabilitation landscape.

From a single commercial solution to a clinical evidenced based «as a service» solution

Designed in HOSPITAL but addressed for HOME



Findings of innovation

Presence of effective rehabilitation approaches

Presence of different clinical landscapes

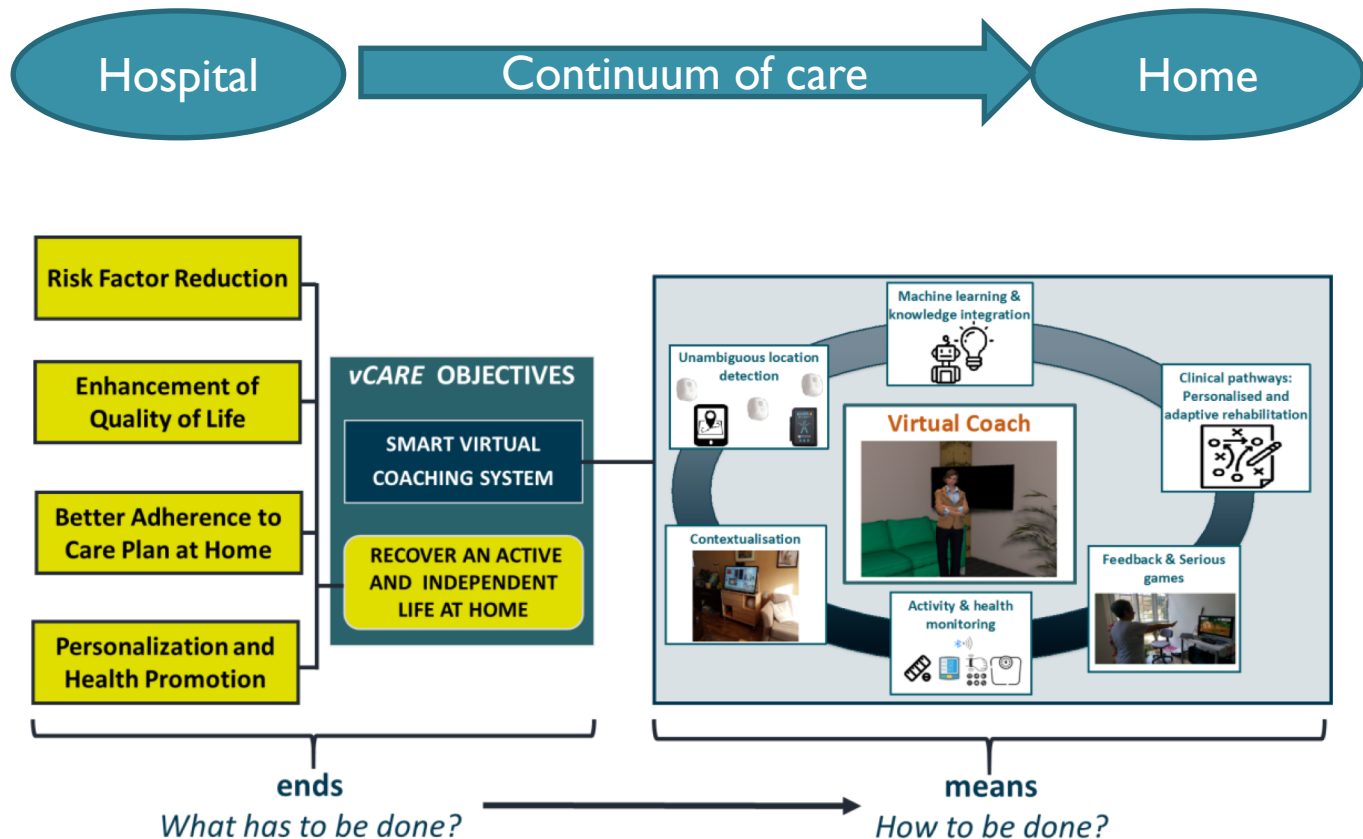
Presence of multiple interventions regarding quality of life, including multi professional skills

Presence of automated and customized pathways in the execution of home care

Presence of a sustainable solution conceptualized in the continuum between institutionalized care and home care



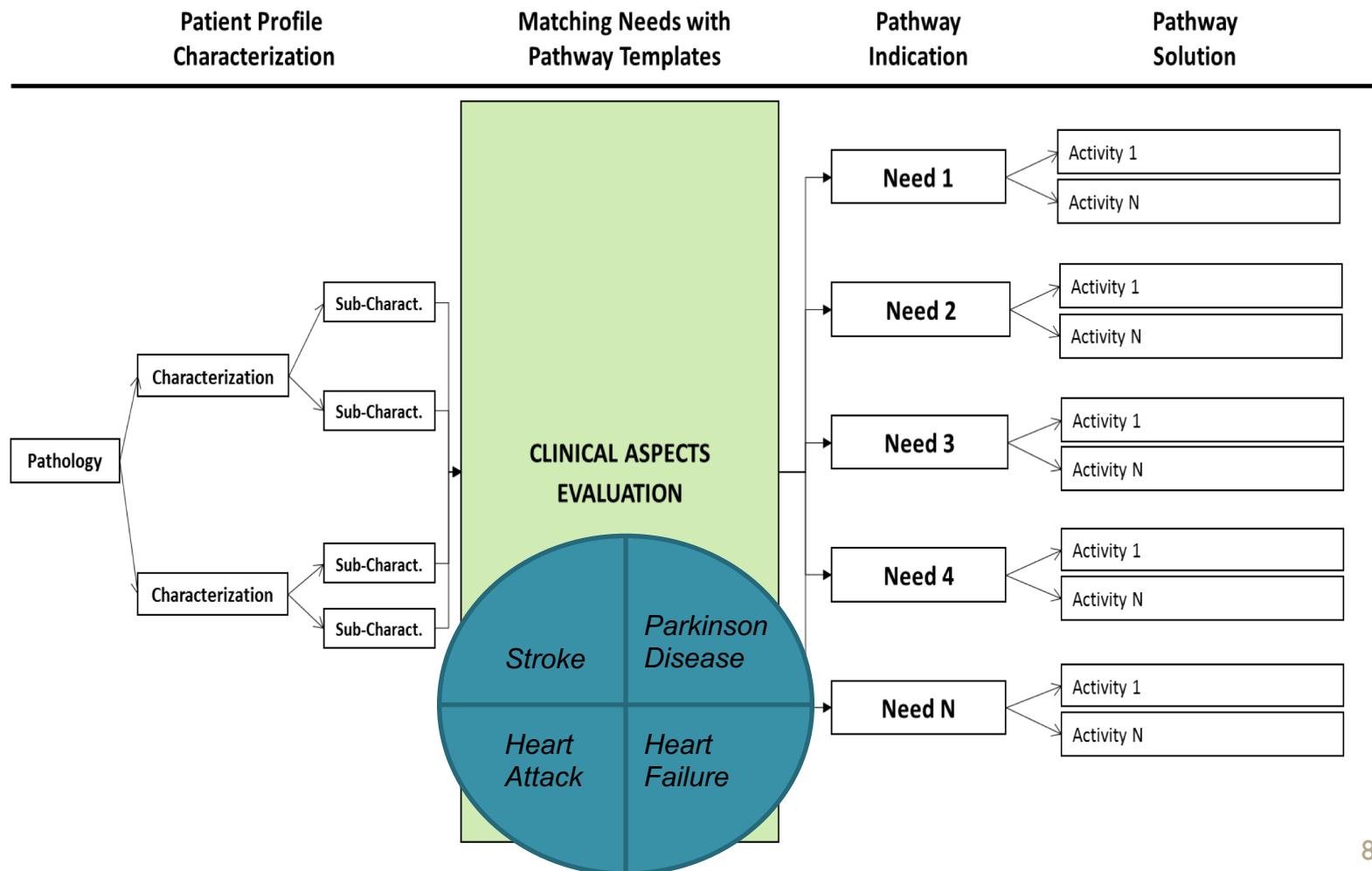
vCare project



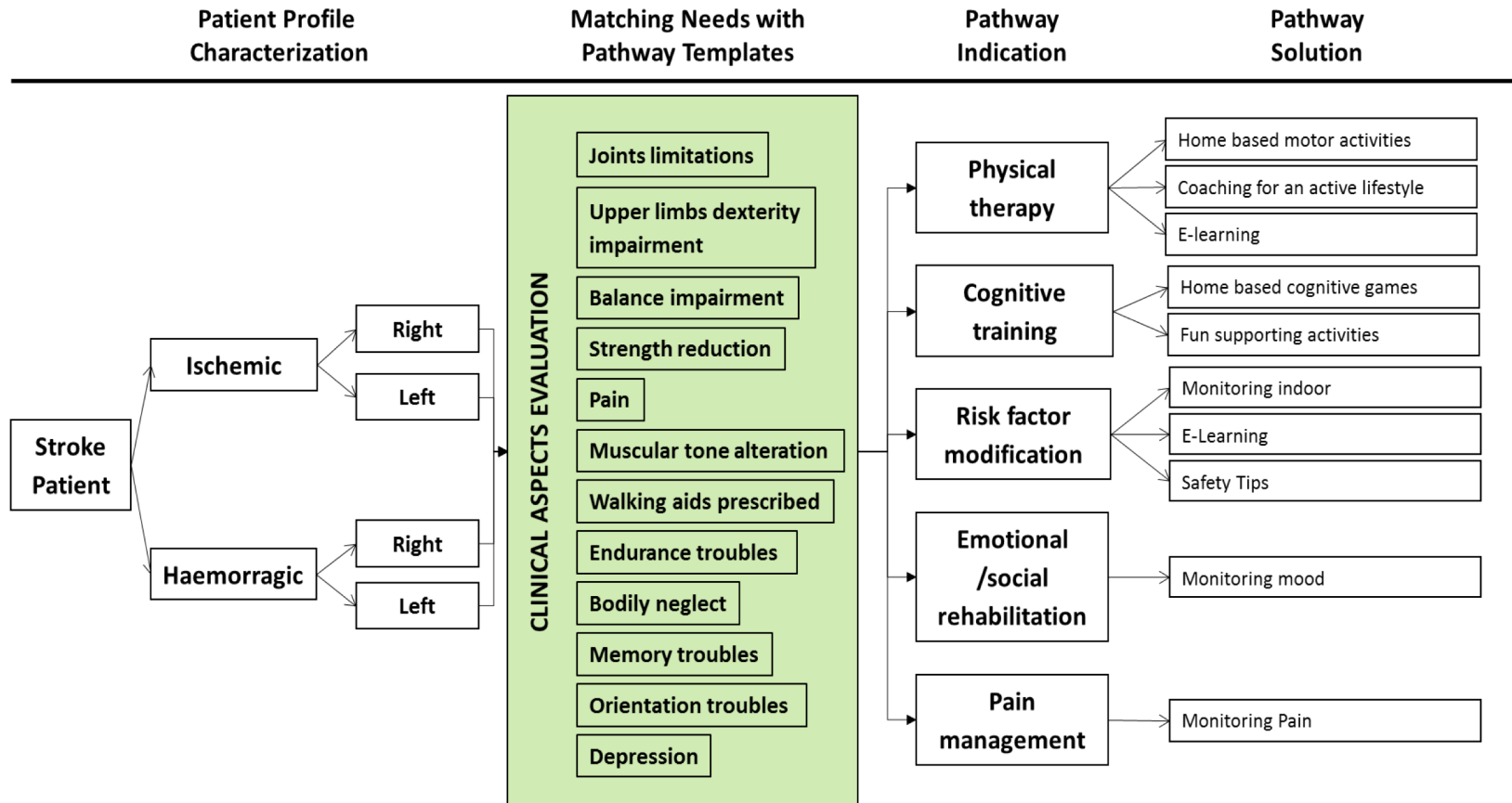
The vCare project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769807



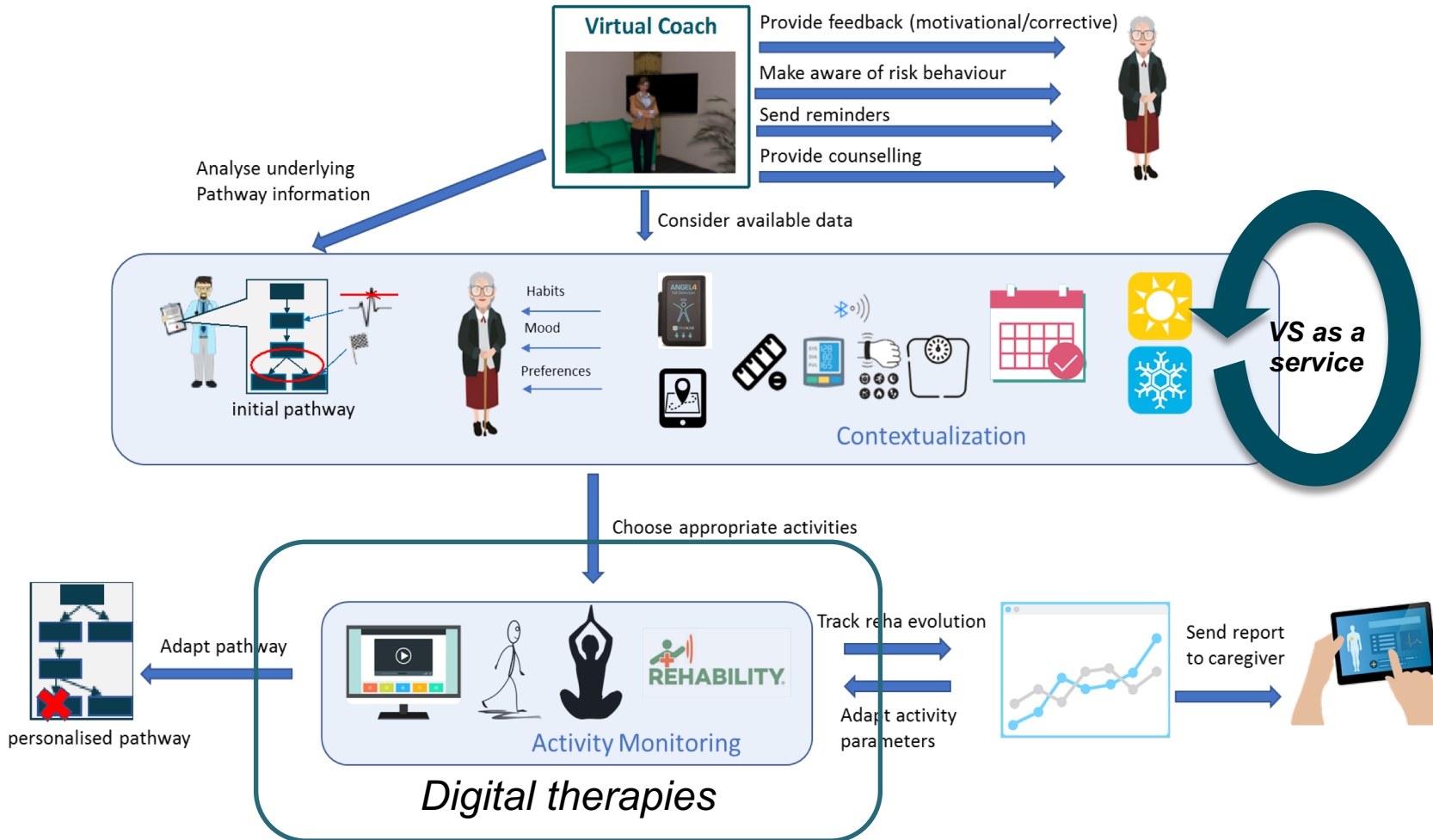
vCARE clinical pathway



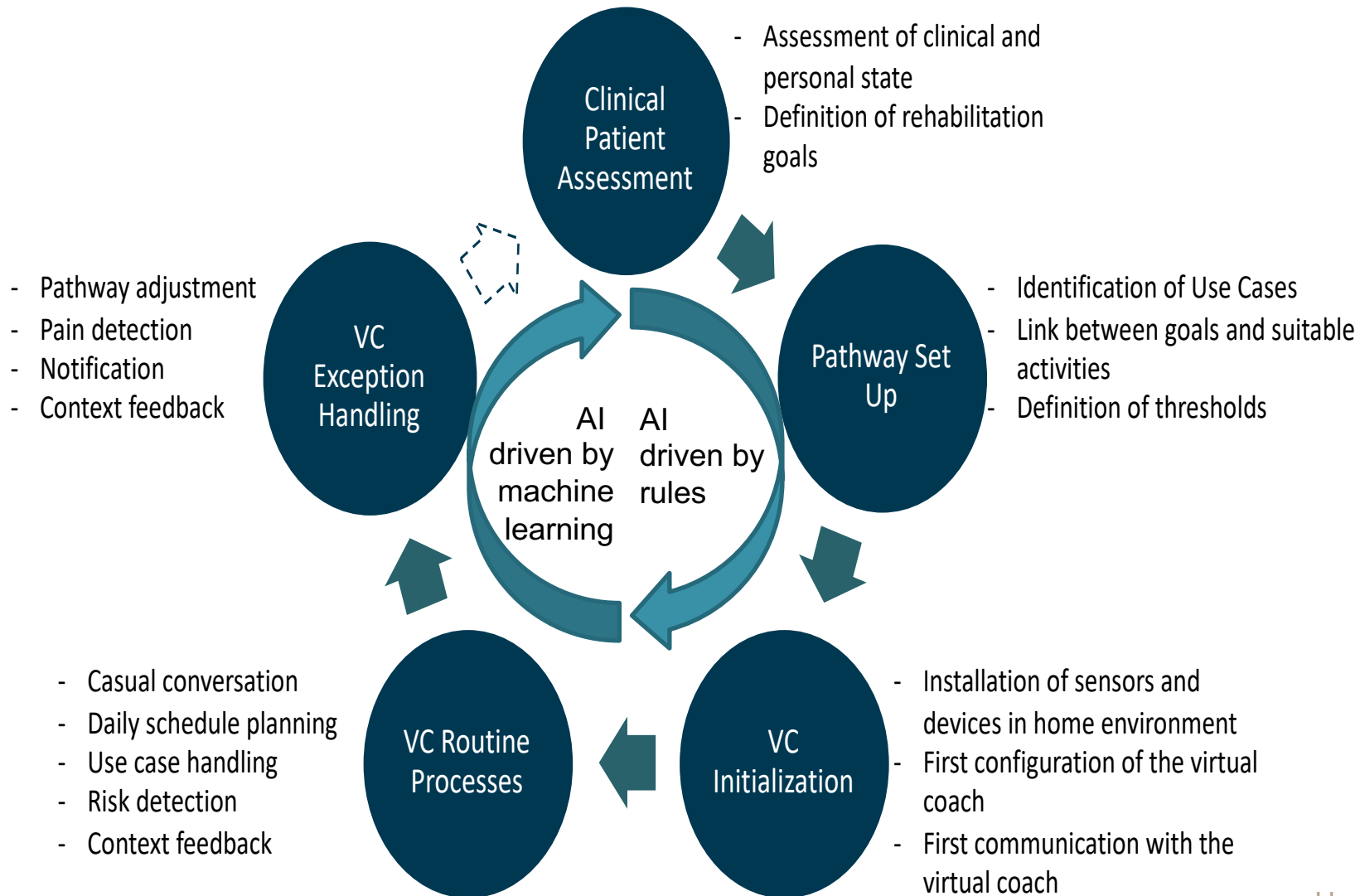
Clinical pathway: the stroke case



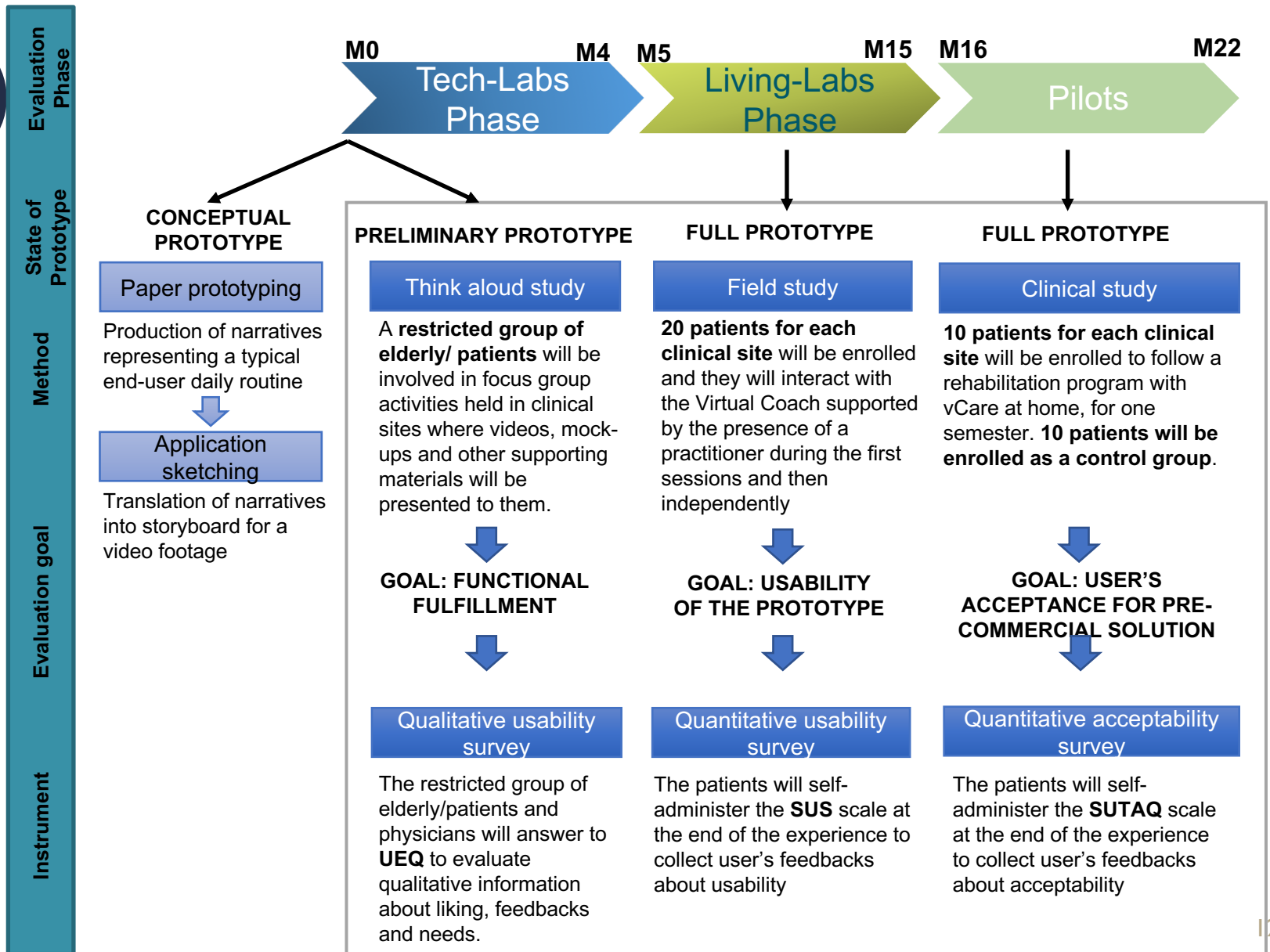
Digital therapies & Virtual Coaching



Digital therapies & Artificial intelligence: VC lifecycle



Clinical Validation



Contacts

m.caprino@ccppdezza.it

r.re@ccppdezza.it



<https://vcare-project.eu/>

contact@vcare-project.eu



Osakidetza



SCHOOL OF BUSINESS AND SOCIAL SCIENCES
AARHUS UNIVERSITET

