



BACKGROUND

Beside the medical treatment, a continuously applied and <u>personalized rehabilitation</u> helps people with disabilities whose functions are limited to remain in or return to their home or community, live independently, and participate in education, the labour market and civic life.

(U.S. Department of Health and Human Services 2014)



















TECHNICAL PROPOSALS

Physical exercises:

- Serious Games (Kinect based)
- Functional exercises monitored by wearable sensors and/or a video based system to measure subject's performance
- Treadmill

Cognitive exercises :

- Serious Games (Tablet based)
- Virtual reality (Kinect based)

Daily Activity Monitoring:

 Wearable or environment sensors to encourage a more active lifestyle or to prevent adverse events (falls, inactivity)

VCARE CONCEPTS

<u>CONTINUITY OF CARE</u> is concerned with **quality of care over time**.

It is the process by which the patient and his/her **physician-led care team** are cooperatively involved in ongoing health care management toward the **shared goal of high quality, cost-effective medical care**.

REHABILITATION is a treatment or treatments designed to facilitate the process of recovery from injury, illness or disease to as normal a condition as possible.





