

# Twente – Campania (Telerevalidatie.nl)

## Twinning overview

<b>Originator:</b> Roessingh Research and Development, Twente, Netherlands	<b>Adopter:</b> Federico II University Hospital, Campania	<b>Innovative Practice:</b> <i>Telerevalidatie.nl</i>
<b>Innovative Practice Description</b>		
<p><i>Telerevalidatie.nl</i> is an online portal that supports rehabilitation at home (either as a replacement of care provided in a care facility or as additional care). A set of different functionalities allow for the patient of a rehabilitation centre, hospital or physical therapy practice to receive tailored patient information and a personalized training schedule with instruction videos and allows him/her to track their training progress and physical activity during the day.</p> <p><i>Telerevalidatie.nl</i> is an online platform for promoting self-management of patients with chronic diseases and older adults. The platform allows remote supervised physical training by means of videos configured by care professionals as a personalized training schedule, physical activity monitoring and coaching, and online communication. In the Netherlands this platform is used in various rehabilitation centres and hospitals. Within the PERSSILAA project (FP7-ICT-610359), the content was further developed into a self-management program and this module is used and evaluated in the Twente and Campania region for training physical function of pre-frail older adults. Campania region envisions a stronger focus on self-management and life style interventions for their patients. For this they aim for broadening the use of online platforms by their patients. As such, this twinning action focuses on transferring <i>Telerevalidatie.nl</i> for use within hospitals from the Twente reference site to Campania</p>		
<b>Link to the EIP on AHA Repository of innovative practices:</b>		
<a href="https://ec.europa.eu/eip/ageing/repository/personalised-ict-supported-service-independent-living-and-active-ageing_en">https://ec.europa.eu/eip/ageing/repository/personalised-ict-supported-service-independent-living-and-active-ageing_en</a>		
<b>Innovation Scope:</b>		
<ul style="list-style-type: none"> <li>• Technology for falls prevention</li> <li>• Homecare, Telemonitoring and mobile health systems</li> <li>• Telementoring and virtual consultations</li> </ul>		
<b>Innovation Type:</b>		
<p>We characterise the twinning effort as level 3: <b>partial adoption</b>. Federico II University Hospital showed its willingness to buy a demo version of the tool. We have already designed the methodology. The study will consider patients that undergo cardio rehabilitation and patients with cystic fibrosis, for a period of one-year. This pilot is focused on assessing potential clinical effect, measuring the adherence to the treatment (in terms of compliance) and the user's satisfaction (in terms of "ease of use" and "usefulness"). We have already submitted the experimental protocol to the Ethical Committee and we are waiting for the approval. We are providing the Italian translation of the platform and creating a group of professionals in order to set up the activities and start the pilot in September 2017. Based on the pilot's results, a decision on further actions will be made.</p>		
<b>AHA Action Group:</b>		
<ul style="list-style-type: none"> <li>✓ A3. Action for prevention of functional decline and frailty</li> </ul>		
<b>Twinning Objectives:</b>		
<p>The objectives of the twinning action (with an overall objective of scaling up <i>Telerevalidatie.nl</i> on a European level, starting with the reference site of Campania) are further specified as:</p> <ul style="list-style-type: none"> <li>• To familiarize healthcare professionals in Campania with utilizing eHealth technology that enhances self-management via on site experience of telemedicine innovations for rehabilitation care in the Netherlands</li> </ul>		

- To implement *Telerevalidatie.nl* in Campania. For this, implementation plans on the aspects of compliance with existing care paths, interoperability with existing health technology and customization of the existing technology will be developed.
- To train healthcare professionals, management and IT specialists in Campania on how to implement *Telerevalidatie.nl* in their context.

to customize *Telerevalidatie.nl* for implementation in Campania (including adapting parameters, translation of content into Italian).

**Twinning end result:**

The twinning action resulted in a roadmap towards full implementation and led to an important first step, namely a pilot evaluation. An experimental protocol has already been transmitted to the Ethical Committee and is yet to be approved. The Italian version of the platform is not available yet. Patient enrolment is scheduled for September 2017. Based on the pilot's results, a decision on further actions will be made.