PICASO

DELIVERING A CONTINUUM OF CARE FOR PEOPLE WITH MULTIPLE CHRONIC CONDITIONS

The PICASO project is developing a cloud-based ICT platform, which optimises the coordination of care plans across different actors for people with multimorbidities.

CLINICIAN SOLUTION

Managing patients with multiple chronic conditions is a complex task, involving different specialists and caregivers across several healthcare domains. The PICASO clinical solution supports a coordinated, holistic care of patients based on sharing patients' complete clinical pathways with tools to establish health status, predict risks and adjust care.

Highlights include:

❯ Display of relevant information about a patient, including medication and treatment history, visits and appointments as well as home monitoring readings, medication adherence and well-being assessments

❯ Search on shared patient data in a data resource browser, with a dynamic, contextual map of available information depending on the access given to the user

❯ Creation and sharing of care plans between involved professional caregivers

❯ Risk scores based on patient profile and simulation of results according to change of input.

PATIENT SOLUTION

Studies have shown that measurement and monitoring of physiological parameters at home have clinical benefits and positive effects on the quality of life for chronic patients, since they become more actively involved in their own health and care. The PICASO patient solution entails an easy-to-use dashboard where patients can measure important physiological parameters and monitor their health status for increased knowledge, a better overview and more control.

Highlights include:

> Care plan diary with schedules for medication intake, list of health measurements to do and clinical appointments

> Integration of multiple care plans for an easy overview and adherence

> Sharing of monitored data with relevant stakeholders based on informed consent.

CARE MANAGEMENT AS A SERVICE

The PICASO ICT platform is a cloud solution that enables care organisations to use cloud technology and experience benefits of scalability and software resource sharing while complying with regulations on clinical data.

All software for care management and decision support is hosted in one public cloud while all clinical data reside inside the care organisations. All access and use of data are done in a secure and authorised way, adhering to data protection regulations.

THE PICASO TRIALS

The PICASO platform and its services are being tested and evaluated in two different clinical and national settings to prove the versatility of the platform.

One trial is carried out in Rome, Italy by the University Tor Vergata and the Department of Psychiatry of the Institute of Treatment and Research, Santa Lucia of Rome. It involves 30 patients over 65 years of age with Parkinson Disease and an associated comorbidity.

The other trial takes place in Germany, organised by the Policlinic of Rheumatology & Hiller Research Unit at the Heinrich-Heine University in Düsseldorf. Here, the target is 30 patients who attend the outpatient clinic. They are over 18 years of age and have Rheumatoid Arthritis with a cardiovascular comorbidity.

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