Evaluation Study for Self Management of Patients with Ankylosing Spondylitis (AS) through a Personal Health System

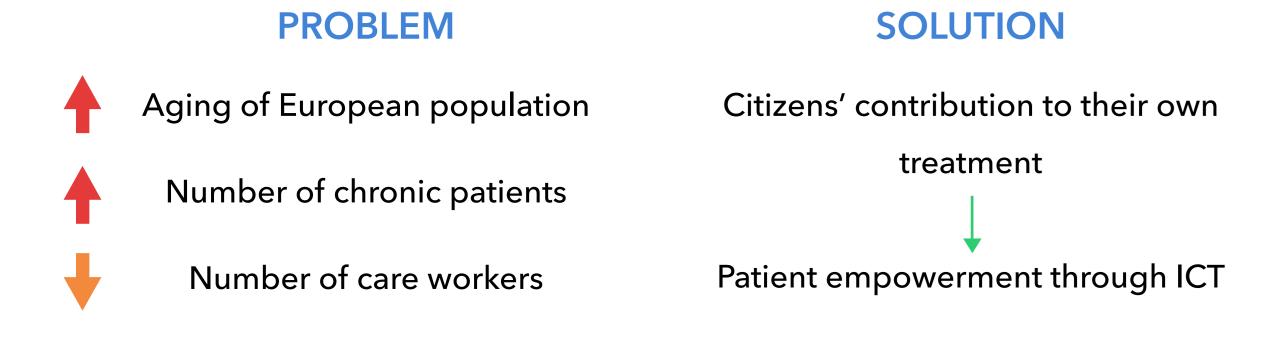
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PALANTE PROJECT



- Co-funded by European Commission under Competitiveness and Innovation Framework Programme (CIP)
- Grant agreement no: 297260
- Start date: 1 Feb 2012
- End date: 31 July 2015
- EU contribution: € 3,182,000
- Total cost: € 6,364,005
- Project web-site: http://palante-project.eu/



GOAL

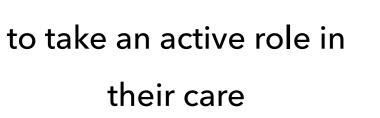
To empower patients enabling them

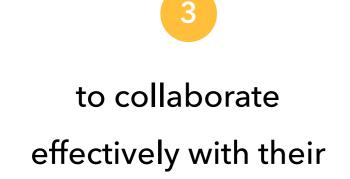


decisions about their

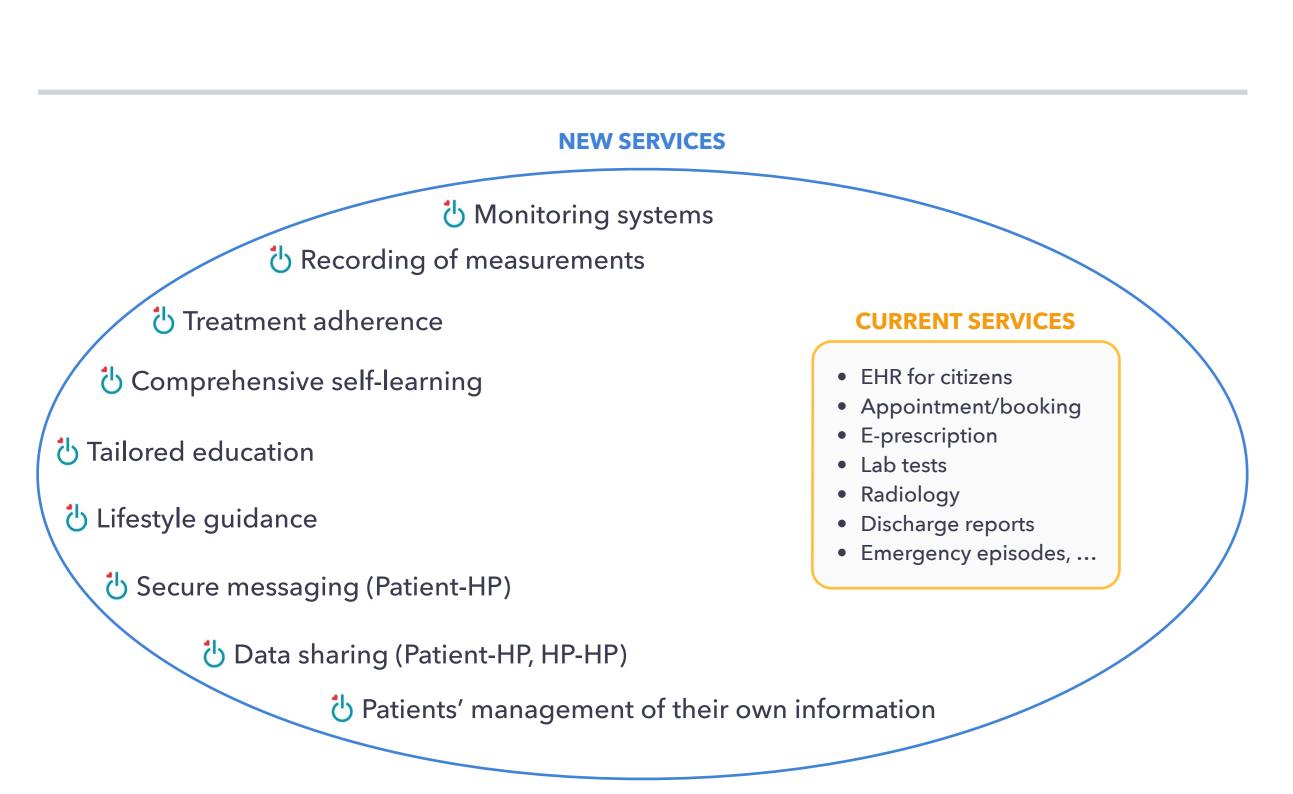
health

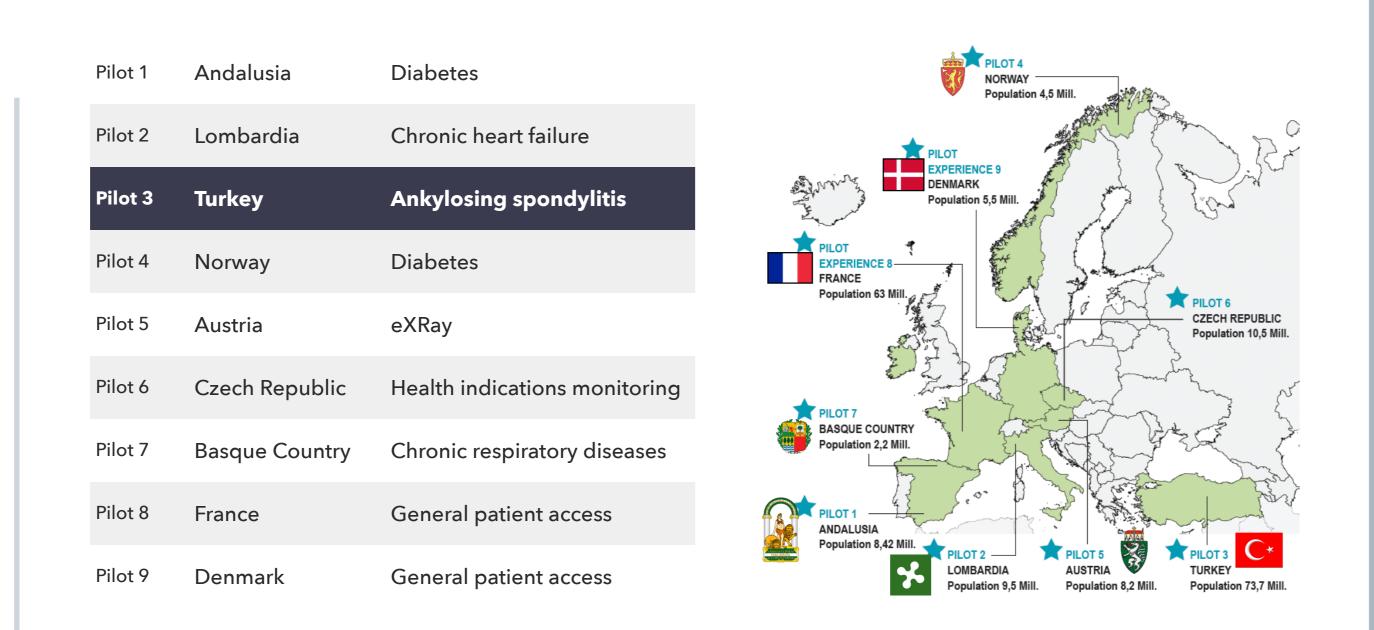


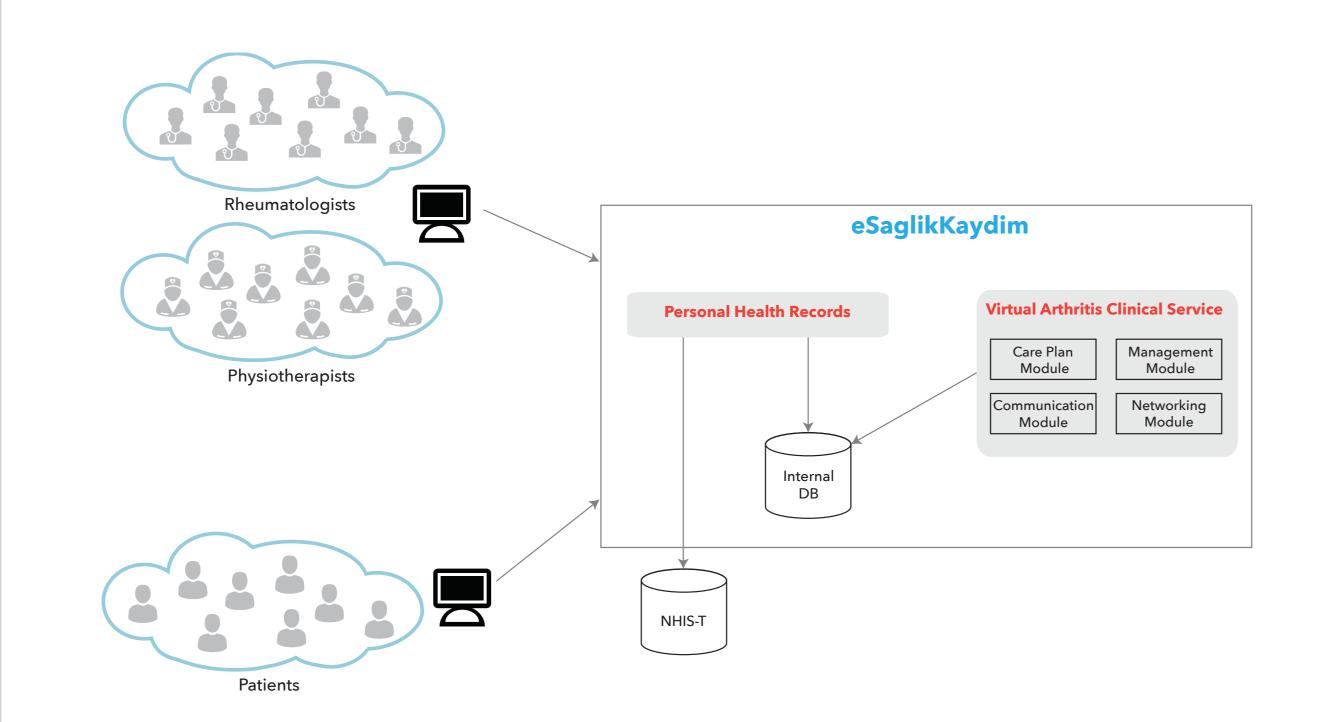




healthcare team







Family History

Measurements

Laboratory Measurements

Pulse, Body Temperature

Weight, Height, Blood Pressure,

Medications

Personal Health Records (PHR)

- Allergies
- Diseases
- Encounters
- Procedures
- Social History

- Immunizations

Virtual Arthritis Clinical Service (VACS)

- Remote follow-up
- Information access
- Chronic disease management
- Remote consultation
- Disease and treatment education
- Medication and non-pharmacological treatment follow-up
- Medication and non-pharmacological treatment benefit analyze
- Reminders
- Different interfaces and functionalities for patients and healthcare professionals

VIRTUAL ARTHRITIS CLINICAL SERVICE

General Information

Summarizes the patient's latest records related to AS

Patient Diary

- Allows patients to record daily problems and physical and mental statuses
- Patients are requested to fill it at least once in three months

Message Board

- Enables patients to consult their healthcare professionals remotely
- Prevents time and money loss of patients for traveling to hospitals
- Lightens the workload of HPs by reducing total number of daily appointments

Questionnaires

- BASDAI, BASFI, ASQoL
- System calculates the result automatically
- HPs evaluate and comment on the results

Reminders

- Patients follow their medication and exercise schedule, and appointments
- SMS, e-mail or system notification

Evaluations

- Patients evaluate the treatment according to effects on them
- Side effect of medication, efficiency level of an exercise
- Provides collaboration between patients, supporting each other and sharing experiences and suggestions
- HPs make more accurate decisions on the treatment of patients

My Arthritis Medications

Displays medications of the patient related to ankylosing spondylitis

My Workouts

- Allows patients to record their exercises
- Physiotherapists monitor and manage them

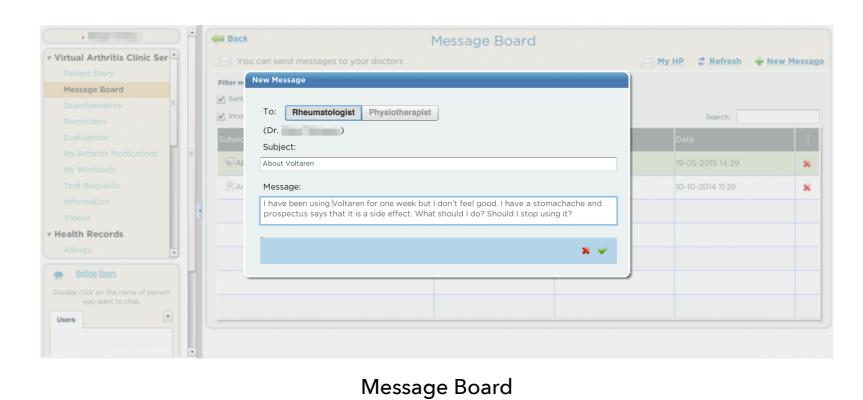
Test Requests

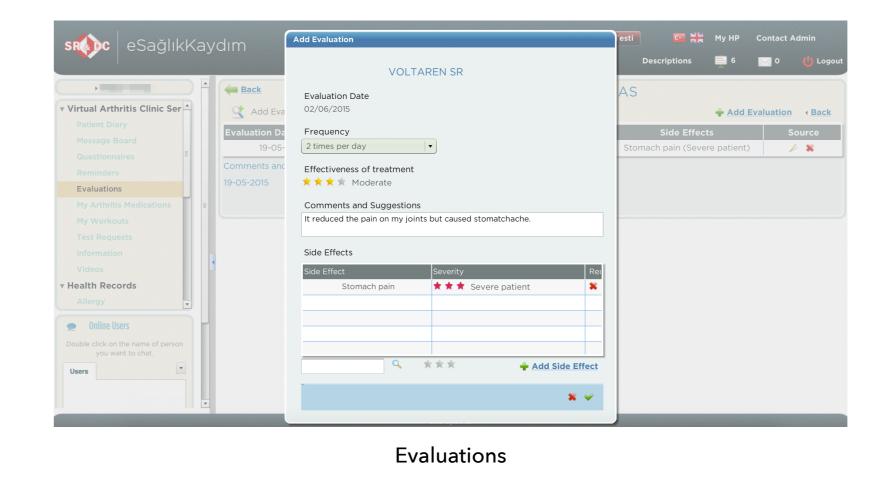
- HPs ask patient to apply a test; evaluate and comment on test results
- Patients read the evaluations and comments of HPs, as well as the test results

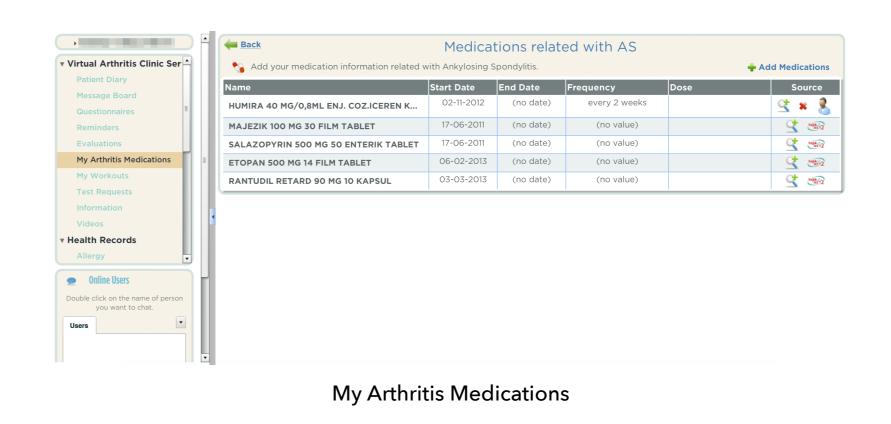
Information and Videos

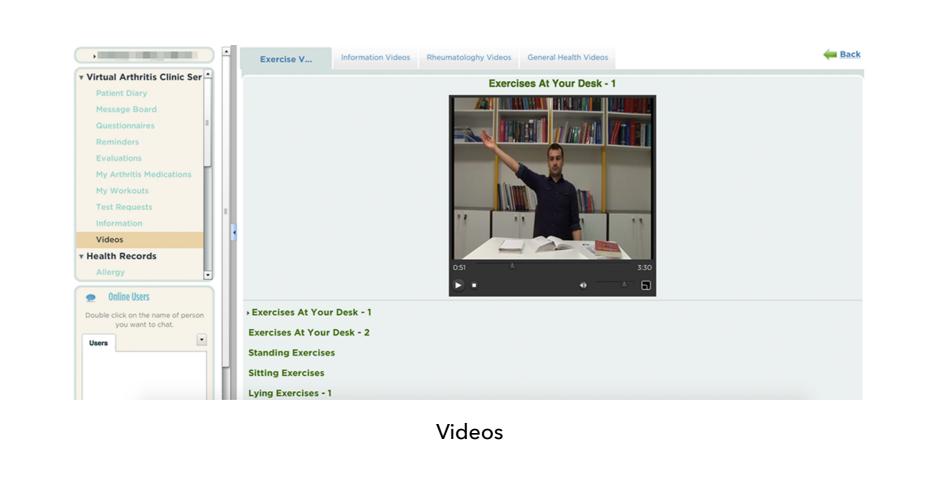
- Patients learn how to do the exercises correctly
 - Exercises at desk, standing exercises and lying exercises

Patient Diary Message Board Questionnaires Reminders Evaluations My Arthritis Medications My Workouts Test Requests Information Videos V Health Records Allergy Online Users Double click on the name of you want to chat. Users **Patient Diary**









RESULTS

Pilot study held in Turkey

131 patients, 3 healthcare professionals

33 patients communicated with HPs 36 times

15 - Side effect of medicine and result of blood test 18 - Symptom change

4 patients asked to come face-to-face meeting

2 of them were using Anti-TNF Agent

No need for 29 patients to go to hospital

Decrease in number of hospital visits Decrease in healthcare costs

