

THE HEALTHD360 PROJECT – HEALTH DATA THAT CREATES VALUE FOR THE CITIZEN







Ву

Danish Technological Institute Kongsvang Allé 29 DK-8000 Aarhus C Denmark

December 2020



The aim of the project: In the project HealthD360 (www.healthd360.dk) we will create better health for the citizens by gathering data from the public healthcare system (registers and data from the municipality) and linking them with data from the citizens' smartphones and wearables. The overall ambition is to promote more personal, secure, and coherent diagnosis, prevention and treatment in close collaboration with the patients and people being 360 degrees around them.

The specific purposes of the presented study are: 1) to infer some of the major potential risk factors and life events for developing diabetic foot ulcers based on artificial intelligence studies on the diabetic population in Denmark. 2) to develop tools to be used by the citizens to collect and monitor all relevant information on their diabetic foot ulcers on a daily basis.

The method applied: Participatory design processes were applied generating a catalogue of relevant concepts/solutions to develop to improve the life for people having a diabetic foot ulcer. A selected concept, a wound/dialogue app will be demonstrated. Artificial intelligence studies on data from registers and municipalities will be presented.

The results and conclusion: Our studies showed the benefit of collecting and analyzing big data from various sources. The participatory design process interviewing and interacting with patients, their relatives and health care personal and people from the municipality resulted in several concepts to develop of which one will be presented: The Wound App.

For more information, please consult the video with English subtitles on the project: <u>Health</u> 360 video

For more information on the project, please contact.:

Ass. Professor, Dr. Trine Rolighed Thomsen, e-mail: trt@teknologisk.dk at Danish Technological Institute

