

Quarterly Meeting April 7, 2022



The meeting starts at

11:30















Agenda

Welcome & introduction to EPI 11:30-11:40 11:40-12:40 Conference speakers: - Rosanne Turner - Saba Amiri - Milen Girma Kebede - Jamila Kassem - Tim Müller - Corinne Allaart 12:40-12:55 EPI PoC – collaboration UMCU & St. Antonius 12:55-13:00 Any other business Closure 13:00















Who are we? - research institutions, healthcare providers and the private sector working together

Research institutions







Healthcare providers









Private sector











Commit

























Our research objective: designing, distributing and saving adaptive data in a secure infrastructure



The outcome of the EPI project is a digital health twin for self-join management

- All data will be collected of a patient
- Inform health decisions and avoiding unnecessary treatment Empower self/joint management of disease
- Able to perform with data gathered from different sources
- Deal with the variability, ownership, data protection and privacy issues

Distribution of Data & Algorithm

Making accurate predictions while preserving privacy constraints of remote data sources

Regulatory constraints and data governance

Automating the process of data sharing with different legal constraints

Data infrastructure

Design an architecture for the data from different sources

Adaptive health diagnosis

The models should be able to keep learning from new data and treatments

Analyzing interventions

Develop models that can predict the effectiveness interventions



EPI conference speakers



Building a Digital Health Twin

Overview of the "Enabling Personalized Interventions" project

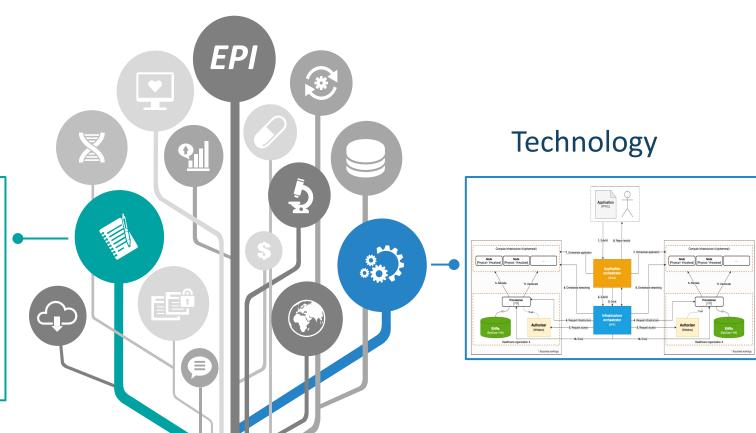
1. Introduction

Konelogia biomer - and in healthcare, that holds alexablely first. Yet, for an industry that is under financial serves, horeasing complexity of disease and controllity, and burdened by capacity constraints - why has data analysis not been healthcare's solvior? Three major challenges have inhibed their 1) data is not accessible and remains in siless; 2) data is not analyzed to one're meaningful clinical insights; 3) insights aren't accessible for actioning by publication andirects here challenges with the ultimate objective to improve cost, cquality, and outcomes of care, while ensuring patient and public health data and results are processed and such year outcomes of care, while ensuring patient and public health data and results are processed and such year out from the challenges with the challenges with the challenges with the ultimate objective to improve cost, quality, and outcomes of care, while ensuring patient and public health data and results are processed and with outcomes of care, while ensuring patient and public health data and results are processed and with outcomes of care, while ensuring patient and public health data and results are processed and with outcomes of care, while ensuring patient and public health data and results are processed and with processing the control of the digital (convey) option of patients.

The project vision is structured around the concept of me digital health bell. DPT1 as defined by (1186) present a 20130. Opical fives lead not an appetite engineering paradigm, where individual physical antifacts are paired with digital modes that dynamically reflect the situat of those artifacts. This eleas to the hypothesis that with a DPT1 review would be in the possession of receiptions be concept of more and the properties of the properties of the properties of particular individual, against the backdorp of partners observed in the population."

Glven the emphasis on the individual and on the dynamic nature of a DHT, our main research questions if the existence of a DHT individual end properties of the presentation of the presentation guidance to prevent health related incidents and/or hepsi improve intervention effectiveness. We address this question by exploring the impact of DHTs on set of prior health management between possibilities. Health management here includes lifestyle changes, prevention, diagnostics, and treatment tailored to be includidual.

Before we can explore the impact of DHTs, we first need to build them. We will follow the recommendations as set out in the Digital Pacient Recommany of the Discipular project (2016-220-CARP) at 2013; The consequent of a Digital Pacient was very similar to a DHT and can, according to the report, be decomposed into its component parts. The main areas of technological challenges they identified are identified to improve the control of the Control of















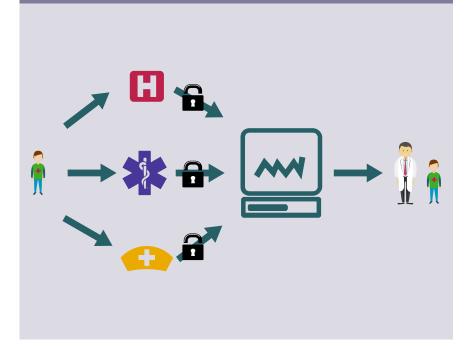


Pilot UMCU & St. Antonius

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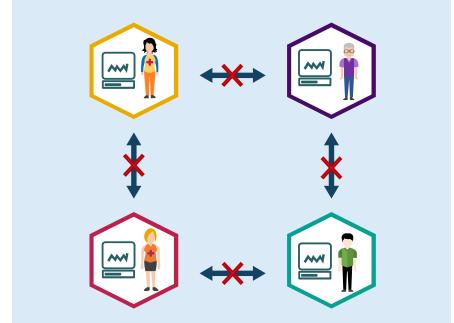
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A distributed method for the creation of prediction models for CVA patients





Develop and train a recommender to predict the best treatment for individual patients, while not sharing any data

















Any other business

















Join our **LinkedIn** group to stay informed about the developments of the EPI project!



EPI LinkedIn group:
Enabling Personalized
Interventions (EPI)

For more information please contact: Eline van Dulm vandulm.eline@kpmg.nl +31 6 236 332 14



















Thank you!

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