

Health Systems Design

Maaike Kleinsmann

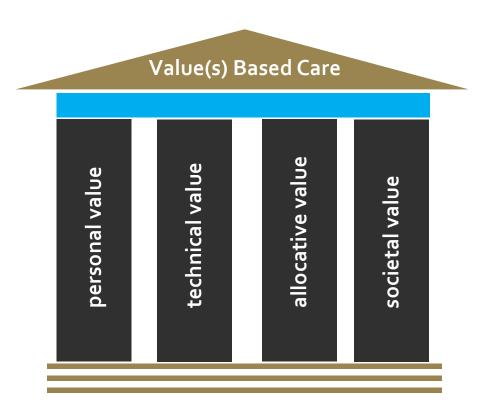
Systemic view on systems

I see the healthcare system as a complex system of indivisible parts

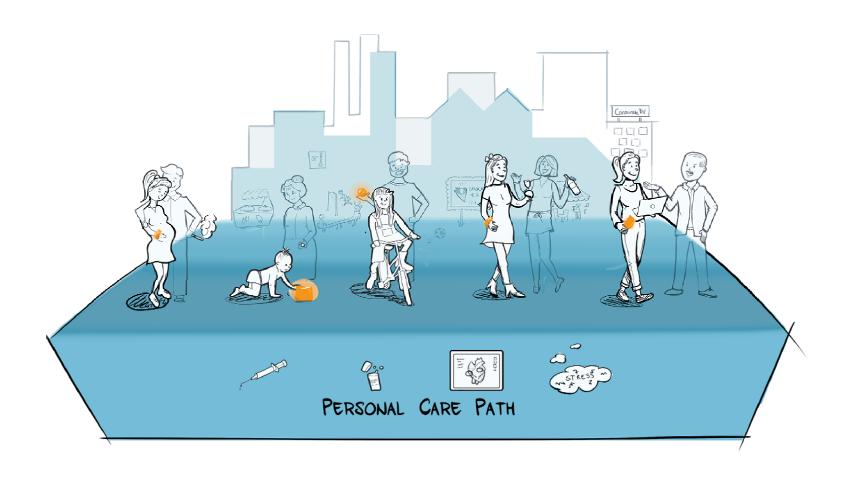
I see the healthcare system as a **sociotechnical system** (with predictable and unpredictable parts)

I think that data enabled design methodologies can support the gradual transformation of the healthcare system into a preferrable one

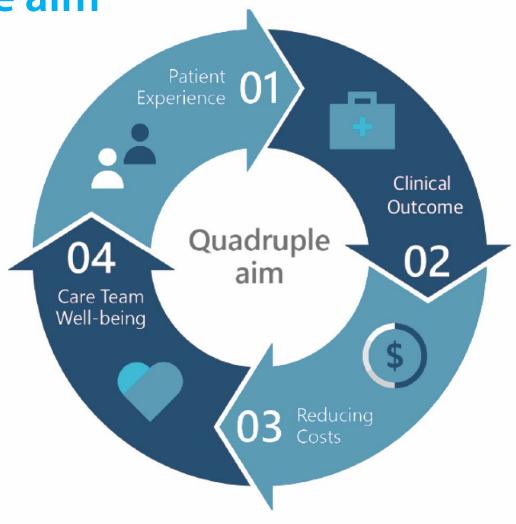
The principles of value(s) based care



Life course approach



Quadruple aim













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Ir. Ruud van Heur



Prof. dr. Dirk Snelders



ir. Jeroen Raijmakers



Jiwon Jung MSc



Valeria Pannunzio MSc

Other collaborators

















Leids Universitair Medisch Centrum









Grip op gezondheid











4TU. Federation











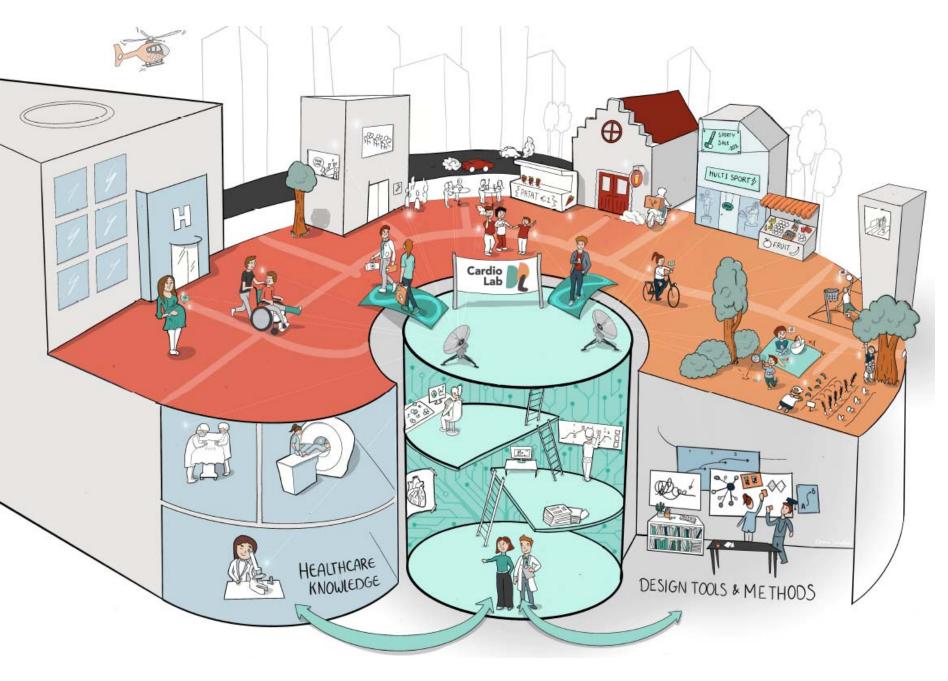
Health Initiative



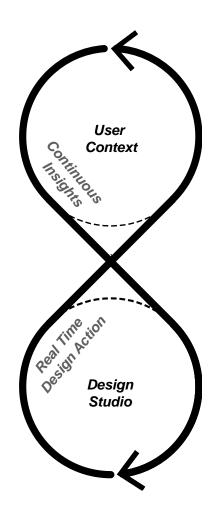
Dutch CardioVascular **Alliance**

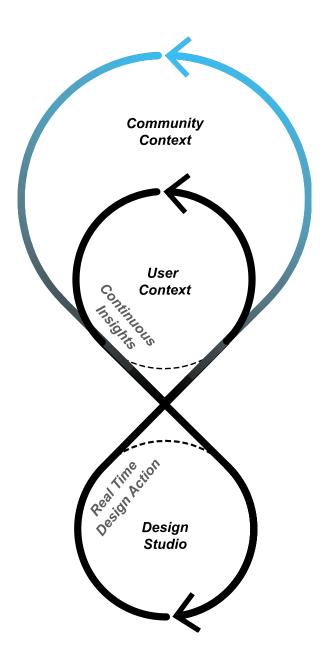
Quantified Self met hart- en vaataandoeningen

Academic Medical Center University of Amsterdam

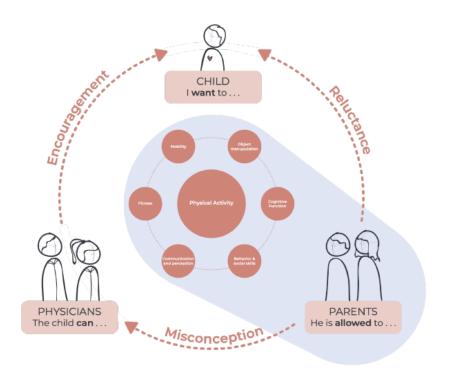








[PhD project Jiwon Jung]

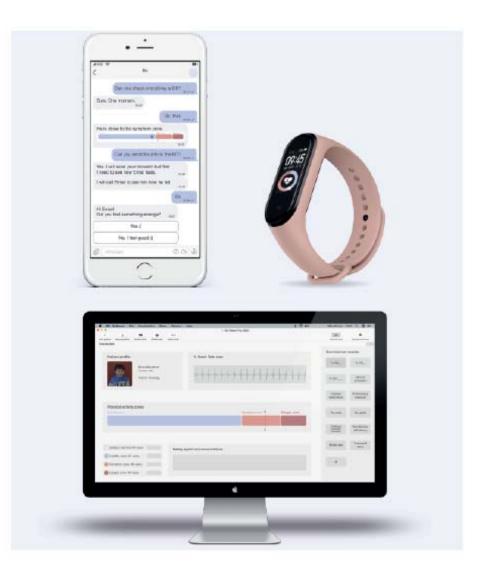




[MSc project Hosana Morales supervised by Gerd Kortuem and Jiwon Jung]





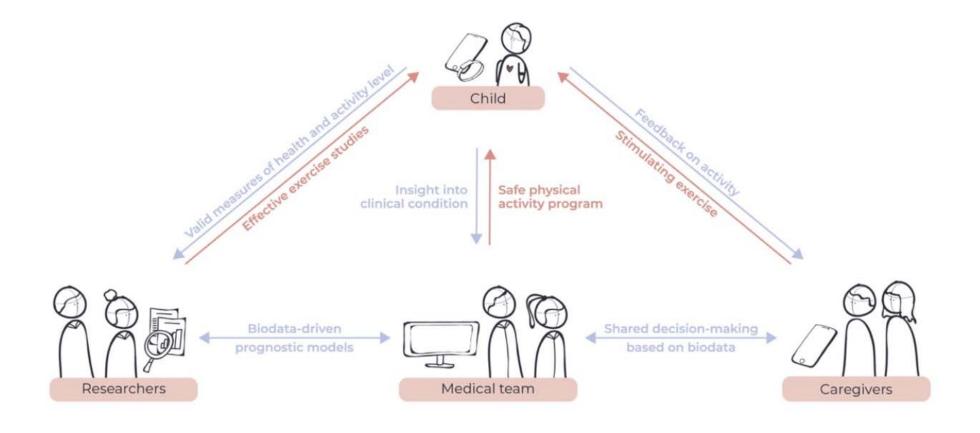




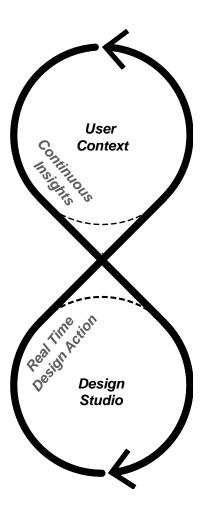


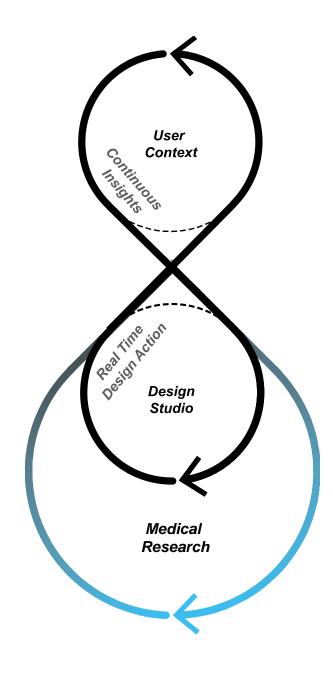












The Perioperative Box











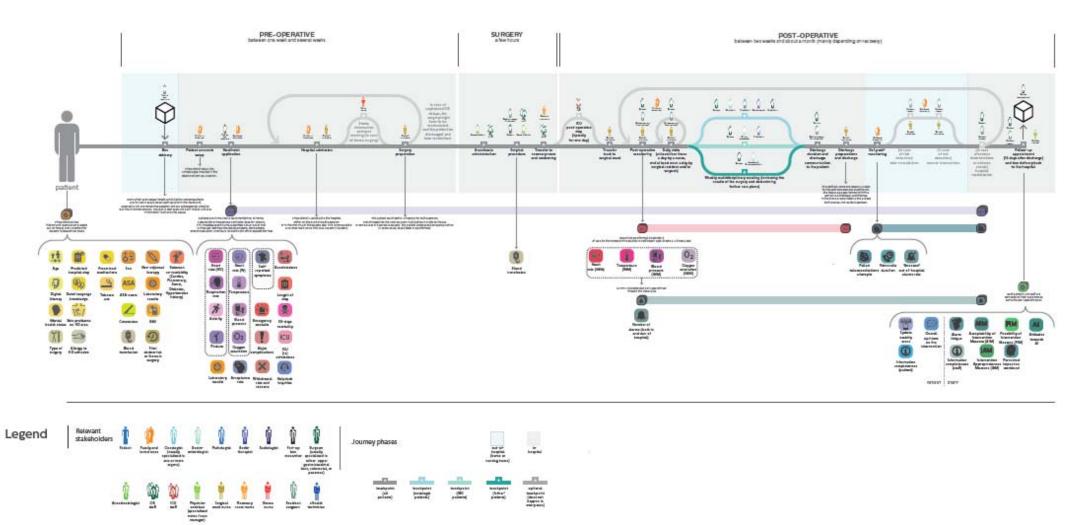


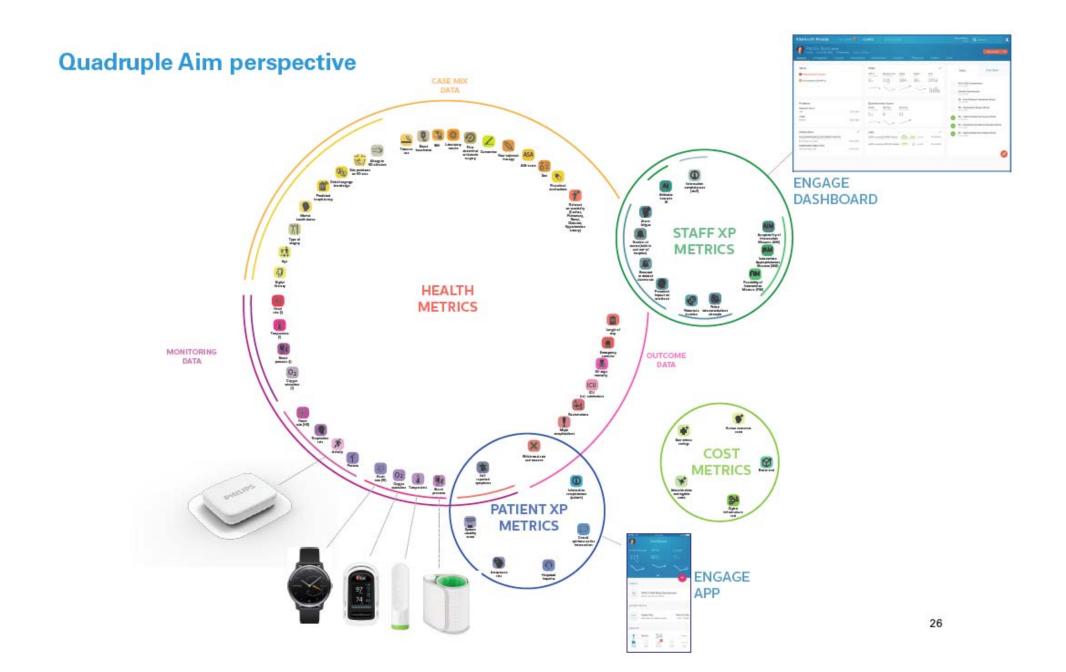
140 patients55 data points5 eHealth devices1.5 years

Overall research objective:

investigating whether the Box system leads to improved clinical outcomes (especially in terms of major adverse events and readmissions).

Service-system perspective





Quadruple Aim perspective

