

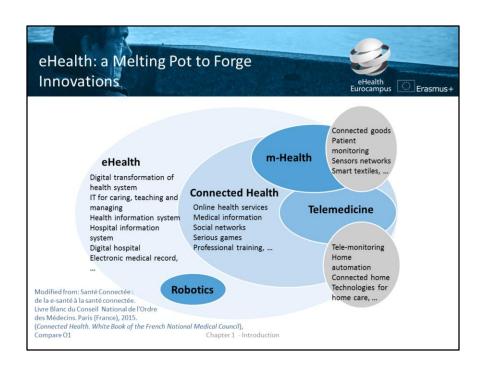
Last update: 21.05.2019 Action after Review

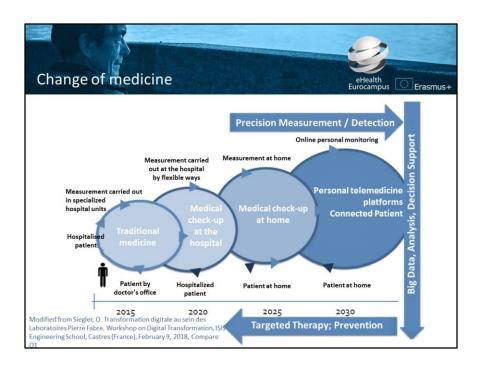


- Chapter 1: Introduction
- · Chapter 2: Current Situation
- Chapter 3: App Development 1
 - Basics & Introduction
 - UI & Material Design
 - Internal Sensors
 - Components
- Chapter 4: Communication Server
 - Theory of Messages
 - HL7
 - Functionality
 - Mirth Connect

- · Chapter 5: FHIR Server
- Chapter 6: DB Techniques
- Chapter 7: App Development 2
 - External Sensors/Wearables
 - FHIR API & Resources
 - Selling & Deployment
- Chapter 8: Ethics and juridical aspects
- Chapter 9: Privacy and Data Security

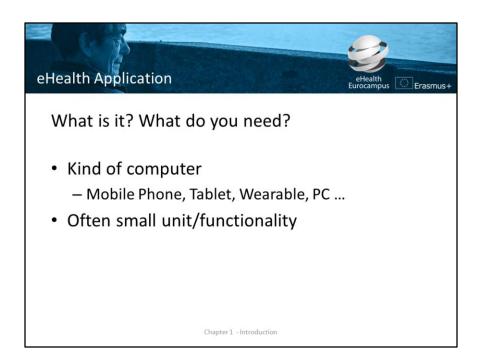








Lot's of data are collected by different systems and stored in different places/formats It is easier to define "normal" by having access to health data of healthy people at all ages



eHealth → digital

Computer necessary, Internet ... is not necessary for stand alone app

Often little functions, but very specialized apps



What is it?

- · Possibility to register/record data
 - Movements, Sleep, Steps
 - Bloodpressure, Bloodsugar
- Provide Suitable Information for patients situation/disease
 - Pregnancy, Multiple Sclerosis
- Train caretaker
- •



Search for eHealth on Google App Store Even more hits with search for "health"

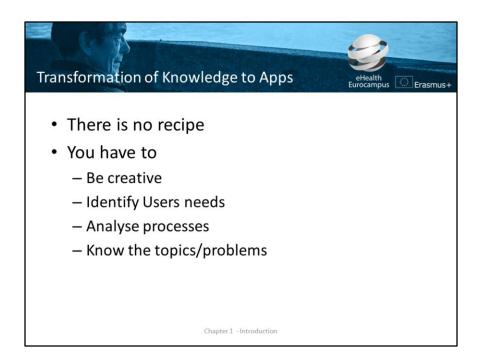
But as ever – there will always be innovation and new possibilities



- General Knowledge
- Skills
 - App-Design
 - Programming Skills
 - Screens
 - Sensors
 - Communication
 - Database



- Abilities
 - Data Analysing
 - Data Security and Privacy
- Standards
 - Messages, e.g. HL7 FHIR
- Thoughts beyond technique
 - Ethics
 - Juridical Aspects



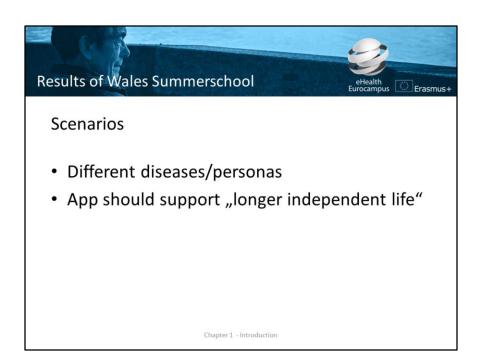
When you solve somebodies problem or make his live easier → he/she will use your app

Sometimes, involved people don't have the understanding in process sight, a qualified external staff might be able to identify problems

It is easier to develop an App or to generate an idea if you are concerned with the problem or you have deep knowledge

If you have Multiple Sclerose, you know the problems

If you have some children, you know when there is the need for certain information and support

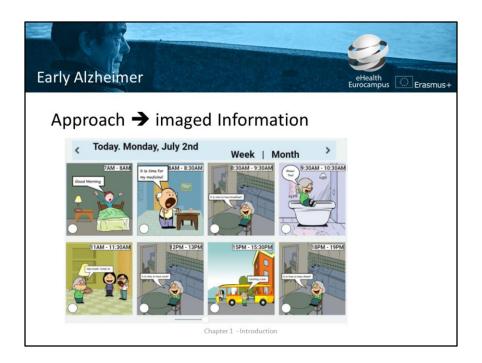


Unluckily there were no other results conserved



Problems of the person/patient

- Forget basic things
 - When to brush the teeth, to have lunch
- Can't remember the names



Little Text, more images because understanding the meaning of written words is getting hard



- Name, Age, University
- Programming languages
- Experience with App-Development
- Expectations