

# Ron Roozendaal *What trade-off?*

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A patient and caregiver included movement to improve health care







# **Dutch ambitions on eHealth**

- 1. By 2019 80% of the chronically ill have **direct electronic access to some of their medical data**, such as medication data, vital functions and test results, and is able to use this data in mobile apps or internet applications.
- 2. Of the chronically ill (diabetes, COPD) and vulnerable elderly 75% who are willing and able can **take their own measurements** by 2019, mostly in combination with remote monitoring by a professional.
- By 2019 everyone in need of care at home will be able to communicate by video with their care professional remotely 24 hours a day. Also, smart home technology will be used to support home care.







# ehealthweek2017

HOME

ACTIVITEITEN

**NIEUWS** 

**PARTNERS** 

**PATIENTS INCLUDED** 

OVER





# Fast track eHealth







# **Good climate**

Fertile ground

National Health Info Council

Standards

Registers

Core
Unity in languagerastructure

Trusted authentication

Sustainable healthinformation complex/lonitoring

Indicators

Safe communication

Purchasing

Frameworks

Patient access
Enforcement

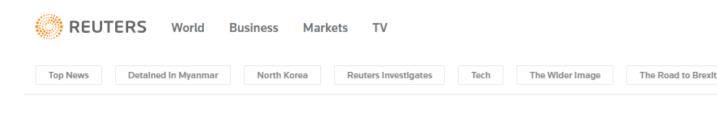




## Four outcome goals

- 1. Medication safety: standardized patient verified medication data for exchange used everywhere by 2019
- 2. Patient empowerment: patients equal in collaboration with healthcare providers, digital copy of their data to be used in a personal health environments by 2020
- 3. Exchange: digital exchange of patient data is part of the norm for quality of care, with patient informed consent
- 4. Registration: point of care is primary source of health data, secondary use for purchasing, research, transparency, quality and governance by 2021

# Sharing Patient Data from the Patient's Perspective



ENTERTAINMENT NEWS APRIL 9, 2018 / 6:49 PM / 2 DAYS AGO

# Widely-watched Dutch comedian says 'Bye Bye Facebook'

Reuters Staff	3 MIN READ	¥	f	

AMSTERDAM (Reuters) - A popular Dutch comedian has urged hundreds of thousands of fans to join him in saying "Bye Bye Facebook" in protest at the social networking giant's handling of private data.

Arjen Lubach, whose widely-watched satirical television show "Sunday with Lubach" has more than 400,000 followers on the social media site, said the programme would delete its Facebook account on Wednesday, joining a string of high-profile entertainers and tech executives who have urged users to do the same.



# No trade-off between privacy and quality of health care

- No trust, no data
- Patients are important source of data
   healthy episodes, wearables, outcome measurement, older
   data: consent will always be needed
- Patients, caregivers and researchers need data to learn from and to improve personal health and healthcare delivery in general



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STUDY DETAILS »



# Some key elements of trust in digital health

- Trust in e-Health is based on trust in caregivers
- Privacy
- Transparency (of use, algorithms, etc.)
- Ethical use of data (including research, algorithms)
- Informed consent and control (empowerment)
- Data solidarity
- Clear personal or societal benefits
- CEO of one's own data (who uses it for what, what did they learn and what can I learn from that)







More and more people are interested in actively managing their health data...



# Some key elements in fair use of data

- Give me my damn data and research results
- Do not talk of data ownership: if you want to own data about me I will not trust you (stewardship)
- Standardization / Interoperability (GO-FAIR)
- International standards (like HL7/FHIR)
- Open API's to existing silo's
- Tamper proof exchange of data (e.g. blockchain)
- Access to data (e.g. from devices) for doctors & patients
- As less big data collections as possible: bring research and algorithms to the data (including the PHR as source)
- Consider privacy a driver for innovation

# Personal Health Train

# **The Digital Health Society**

### A multi-stakeholders initiative

**launched in July 2017 under the Estonian EU Presidency** 









**Actions & Projects** 



**Events &** workshops













# No trade-off

- Privacy brings trust
- Trust brings sharing of data, algorithms and knowledge
- Sharing of data brings ways to learn how to improve our own health and health care in general



# There is a role for governments

- Embrace and enable opportunities to learn and improve from data (positive climate, fertile ground)
- Realize "crash barriers" that bring trust
- Think big, act small and start now