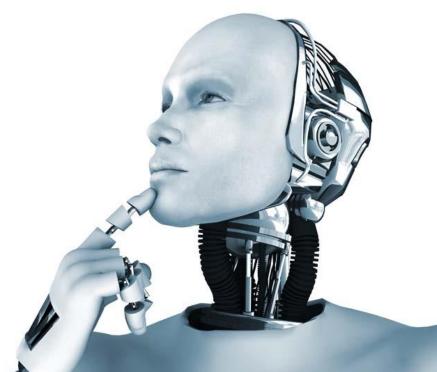


What is "good" technology?
What is "good" AAL?
What is "good" digital health?

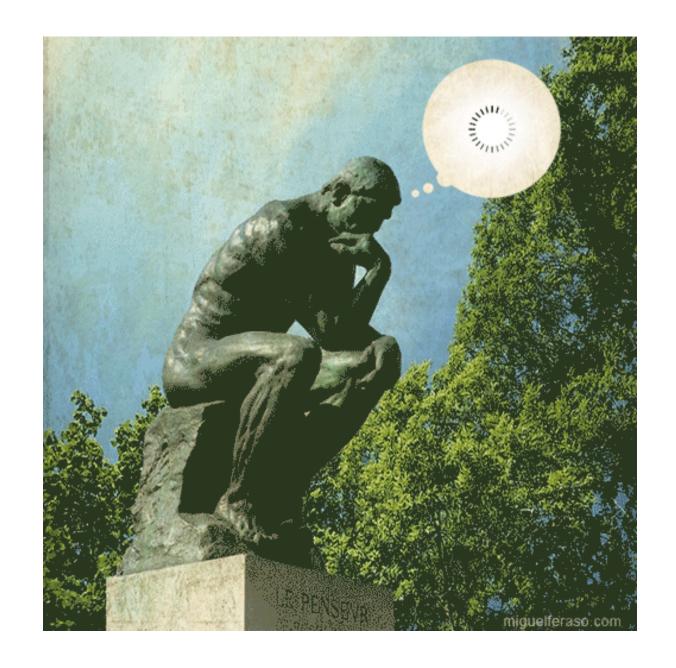


# Do The Right Thing: The Ethics of Digital Health

Jaco van Duivenboden Michiel Faber

AAL Forum 2019, Arhus Workshop 11





### **†** Schedule

11.20 - 11.25 The DEDA model

11.25 – 12.20 Subgroup discussions

12.20 – 12.30 Joint discussion & conclusions

### **Future healthcare**









### Nictiz: expertise centre for e-health





Better health through better information



### **T** Ethics & digital health topics

**Ethics & digital health** 

Four approaches to ethics & digital health

**Typical ethical challenges** 

**Examples** 



## Ethics & digital health

Why is ethics important?

The role and position of ethics

"Low" and "High" ethics

Ethics in a "VUCA world"





### **T** Four approaches

**Ethics-by-all** 

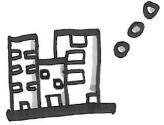
Ethics as a guide

Ethics in different stages of the product lifecycle

**Ethics on organisational levels** 









### Typical ethical challenges

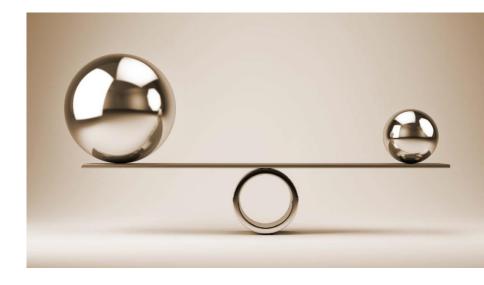
**Impact of data-driven healthcare** 

**Inequal access to care** 

**Intrusive technology** 

**Evidence based technology** 

**Changing patient-professional relationship** 







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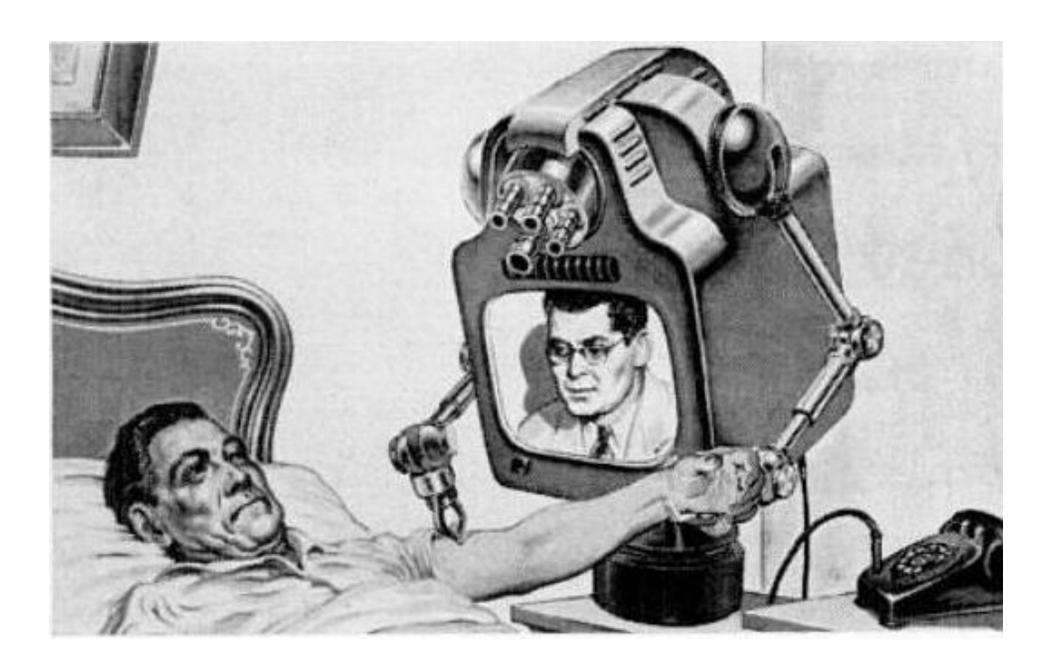
50e a Bottle

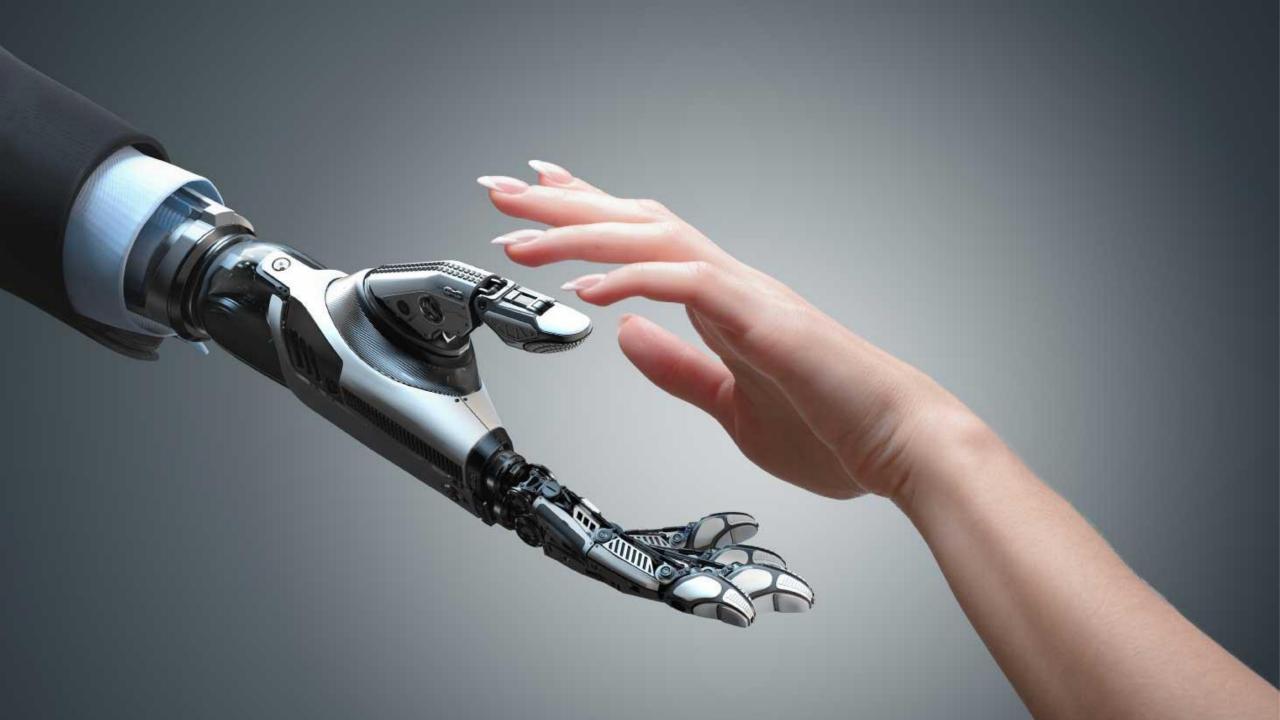


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### Typical ethical challenges

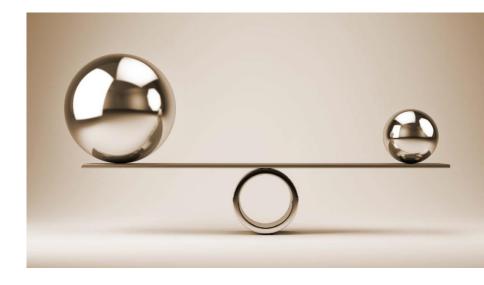
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### Ethics & e-health in the Netherlands

eHealth4all initiative

**DEDA: Data Ethics Decision Aid** 

**Ethics in policy making** 

**Moral deliberation** 

**Quality framework (Dutch Health Inspectorate)** 



### TeHealth4all (Pharos)

### "E-health should be

- 1. Understandable for all
- 2. Easy to find and use
- 3. Include coaching by professionals
- 4. Included in local/regional prevention and care"























### **T** E-health quality framework

Good governance Responsible innovation

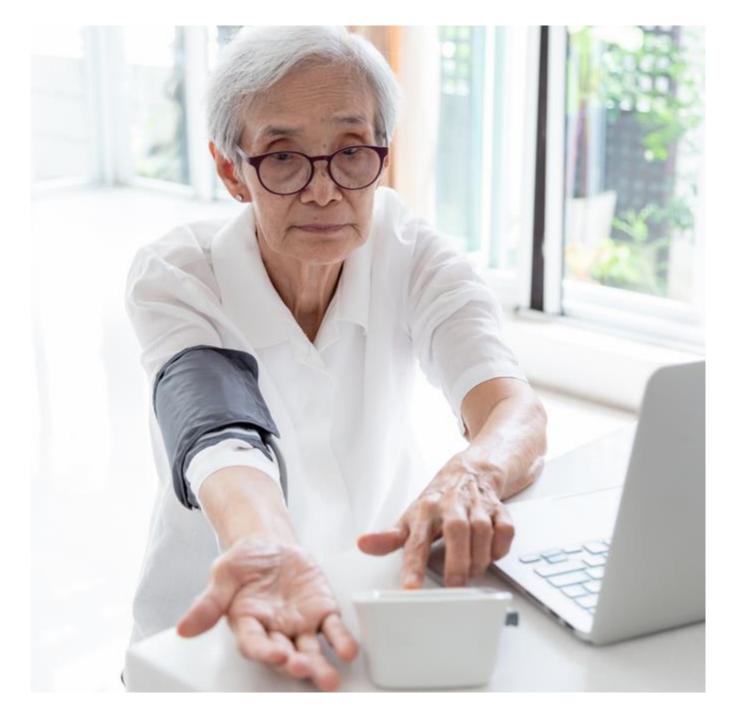
Patient Inclusion/Participation

Implementation and use of e-health products and services

Network cooperation & digital data registration and exchange Information security & continuity



Remote monitoring of elderly with chronic heart failure





Position monitoring system preventing dangerous situations



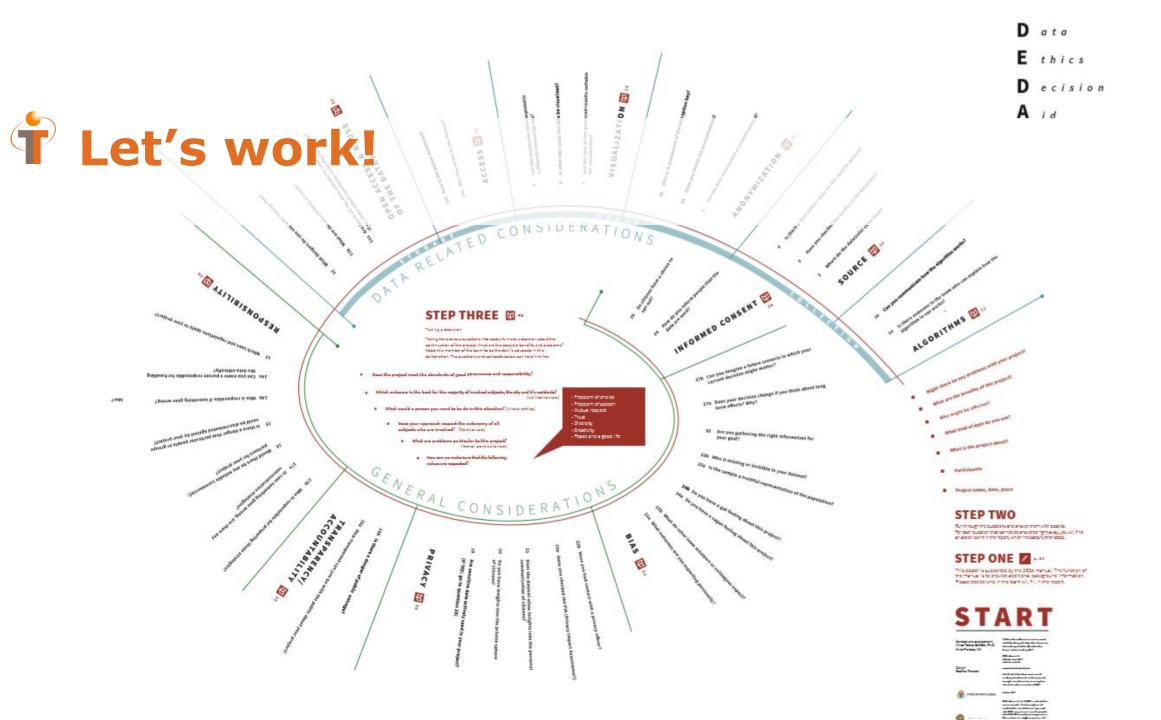
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<u>Deze foto</u> van Onbekende auteur is gelicentieerd onder <u>CC BY-NC-ND</u>



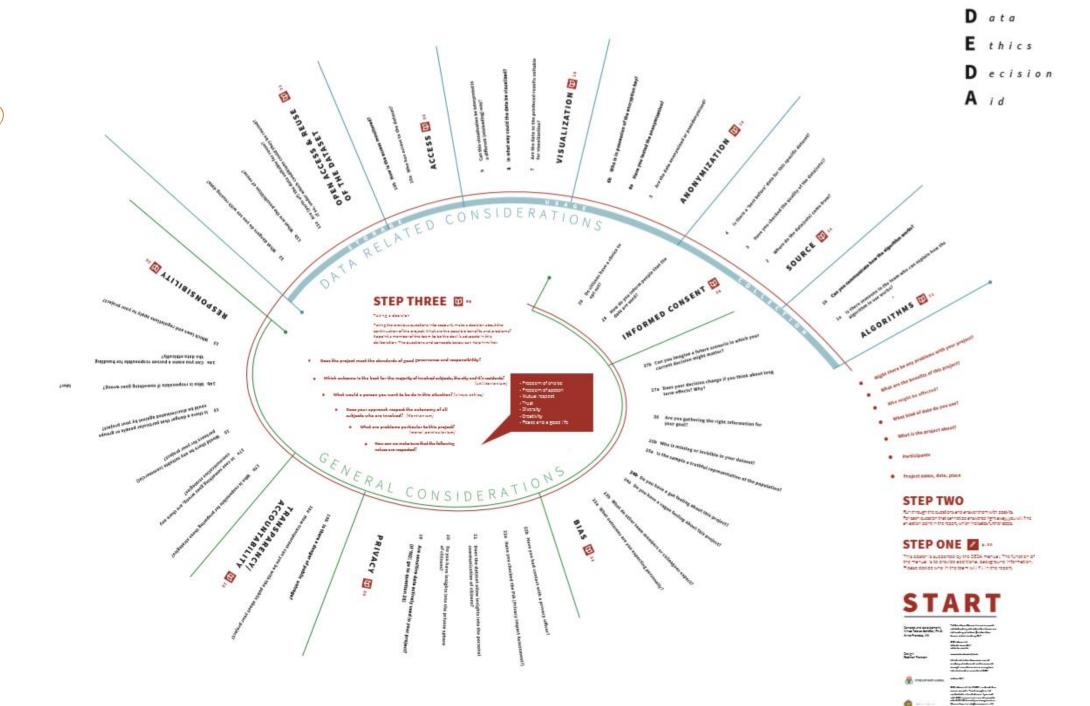
Ethics can enable better technology in healthcare
"Good" technology needs a multi-stakeholder approach
Ethics should be included in the full product life-cycle
Ethics goes beyond checklists: it's all about dialogue







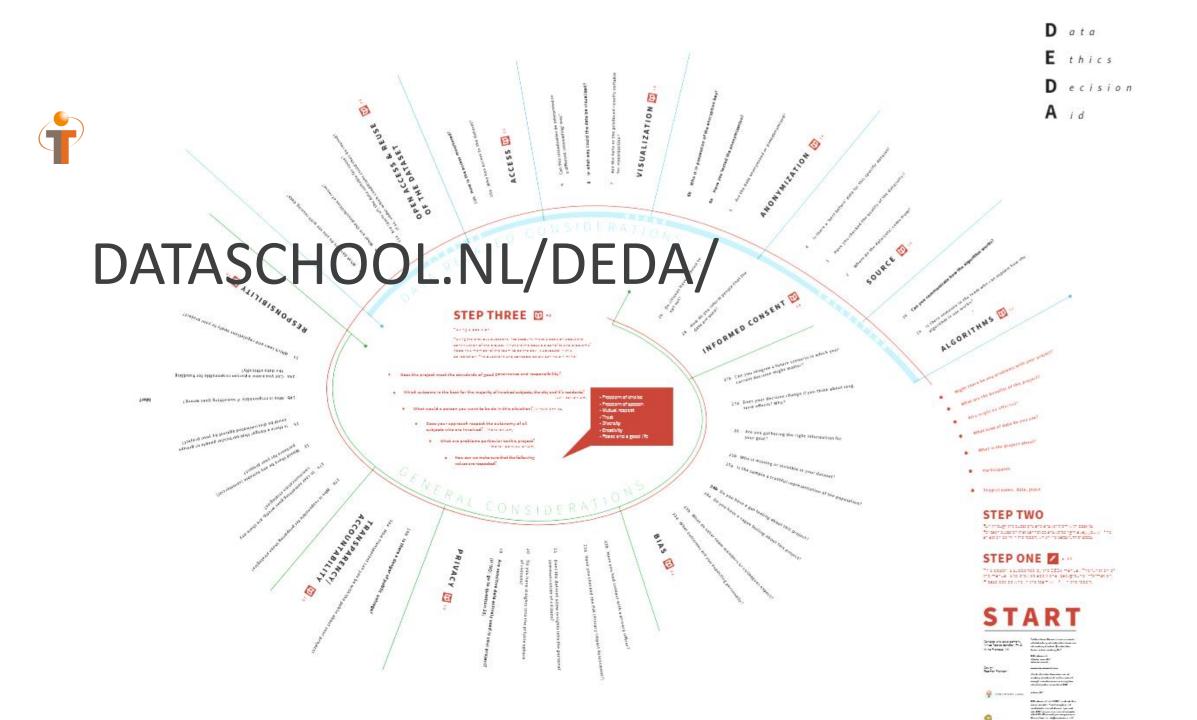




### **T** Instructions

- □ Read the case
- □ Read the instructions
- Appoint someone who will give feedback to the group
- □ Start and enjoy your discussion!

- ✓ Keep asking yourselves: what's the right thing to do?
- ✓ Approach the case from different perspectives (caregiver, client, developer, etc.)





Ethics can enable better technology in healthcare
"Good" technology needs a multi-stakeholder approach
Ethics should be included in the full product life-cycle
Ethics goes beyond checklists: it's all about dialogue



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