

# HEALTH IN THE DIGITAL SOCIETY DIGITAL SOCIETY FOR HEALTH

16-18 OCTOBER 2017  
TALLINN, ESTONIA

## Blockchain: Unleashing the Power of Free-Flowing Data

Mirko De Maldè, COO, Lynkeus



@mirko.demal

Organised by:



HIMSS Europe

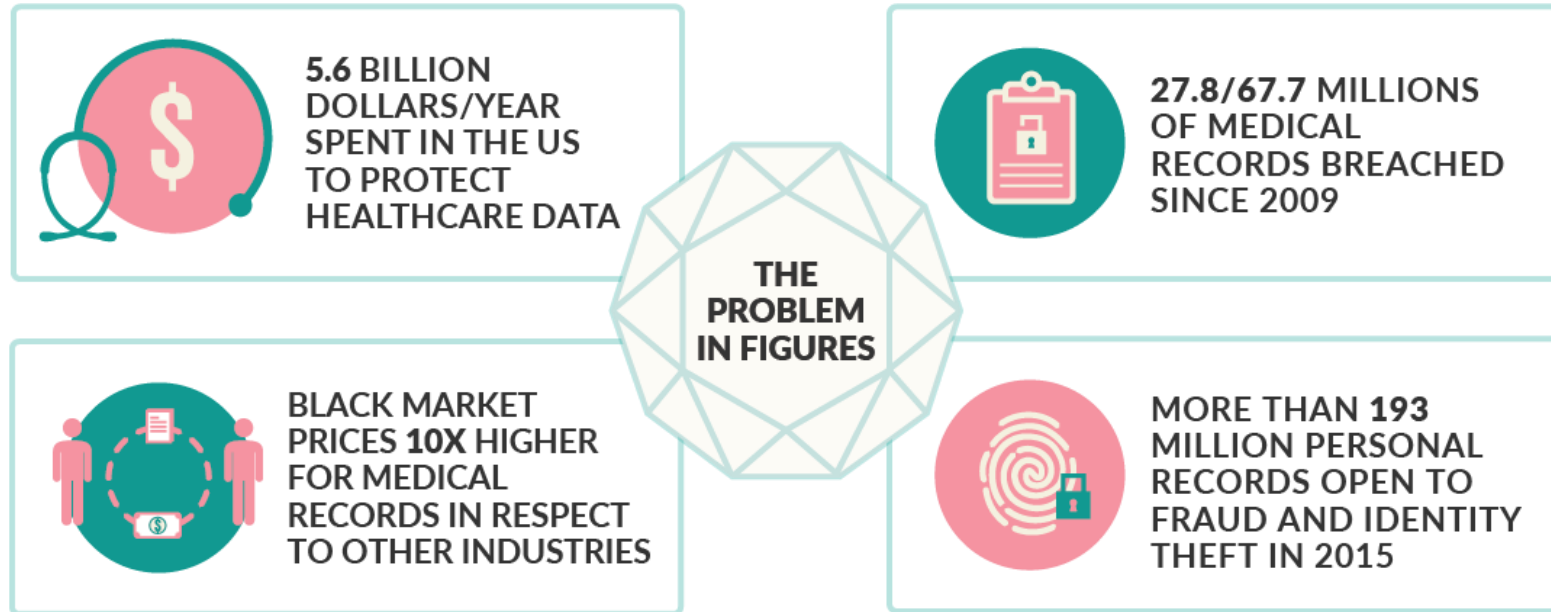
Supported by:



@eHealthTallinn #eHealthTallinn

[www.ehealthtallinn2017.ee](http://www.ehealthtallinn2017.ee)

## DATA ARE ALREADY FREE FLOWING...

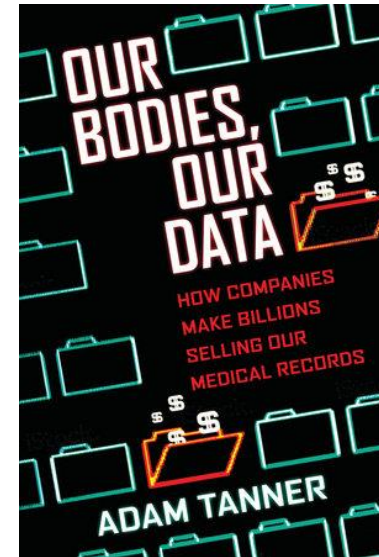




## ...BUT PATIENTS AND CITIZENS ARE NOT TAKING ANY ADVANTAGE FROM THAT...

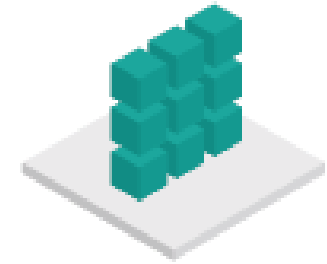
*“Soon after you tell your doctor about an intimate medical problem, data about your condition are sold commercially to companies that have nothing to do with your treatment or billing”*

*Adam Tanner, “Our Bodies, Our Data”*



## BLOCKCHAIN: NEW WAYS TO MAKE THE DATA FLOWING?

- Blockchain ledger is the secure, non-editable record
- Stakeholder are equipped with a 'wallet' containing:
  - An encrypted identifier
  - His/her Dynamic Consent
  - His/her Data Access policy file
- This could lead to **Personal storage clouds** for ubiquitous individual data access through blockchain and advanced personal use.



## PUTTING THE PATIENTS IN THE LOOP

*“Patients ownership of their data is an entitlement and **civil right that should be recognized**”*

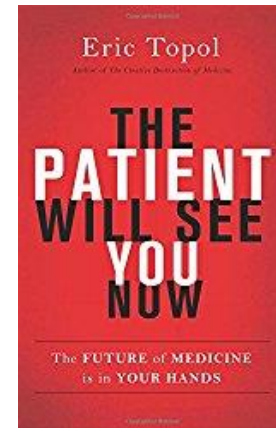
The New York Times

The Opinion Pages | OP-ED CONTRIBUTORS

### The Health Data Conundrum

By KATHRYN HAUN and ERIC J. TOPOL JAN. 2, 2017

From patient being **“the single most unused person in health care”** to a new era of healthcare democratisation.



Right to data portability:  
*“receive personal data in a structured, commonly used, machine-readable and interoperable format”*

## OUR SPEAKERS TODAY

**Dr. Catherine Mulligan** - Research Fellow & Co-Director at the  
Imperial College Centre for Cryptocurrency Research and Engineering



**Jaan Priisalu** – Researcher at the Tallinn University of Technology

**Dr. Christian Dierks** - Founding Partner, Dierks + Bohle





# HEALTH IN THE DIGITAL SOCIETY DIGITAL SOCIETY FOR HEALTH

16-18 OCTOBER 2017  
TALLINN, ESTONIA

Thank you

Mirko De Maldè, COO, Lynkeus



@mirko.demal

Organised by:



HIMSS Europe

Supported by:



@eHealthTallinn #eHealthTallinn

[www.ehealthtallinn2017.ee](http://www.ehealthtallinn2017.ee)