



DIGITAL HEALTH SUMMIT

BRUSSELS 6 DECEMBER 2017



The Impact of Artificial Intelligence on Healthcare

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AI in Healthcare and Life Sciences coming of age

For the professional

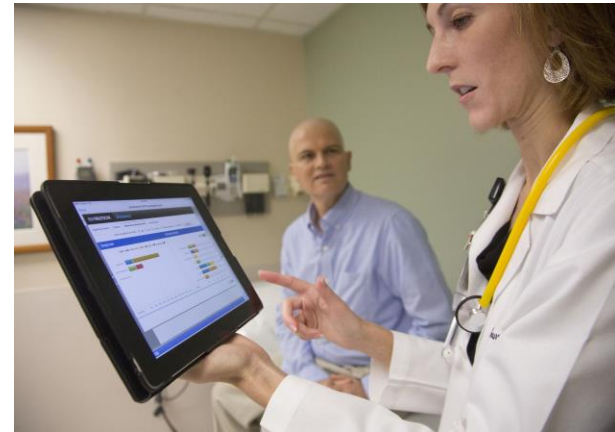
- Oncology
- Radiology
- Cardiology
- Genomics

For the patient

- Diabetes
- COPD, Asthma
- Triaging through apps and bots

For industry and research

- Drug Discovery
- Patient Safety
- Clinical Trials





Usage, Evidence and Transparency

- AI is to strengthen and expand the cognitive ability and expertise of a human being: **augmented intelligence** – man **and** machine – not replacing doctors.
- **Concordance studies** are inherent to machine learning.
- **No black-box** society: we should be perfectly clear on what is happening with (consented) data and algorithms – usage, ingestion, training, ownership.
- We need a thorough discussion on the **ethical** and **legal** side of the technology.



Challenges

- The younger Y-generation of healthcare professionals must be made aware – a **need for eHealth** in the current curricula.
 - Healthcare and Life Sciences professionals and researchers who use AI *will replace those who don't.*
- We need **clinical data scientists**
- We need **data** across healthcare institutes, regions, countries.
 - Patients, populations, ...
- We need **leadership** to impose innovation and data stewardship.



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Thank you for
your attention!

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