

Big Data in Medicine: Challenges and Opportunities A View from the Industry

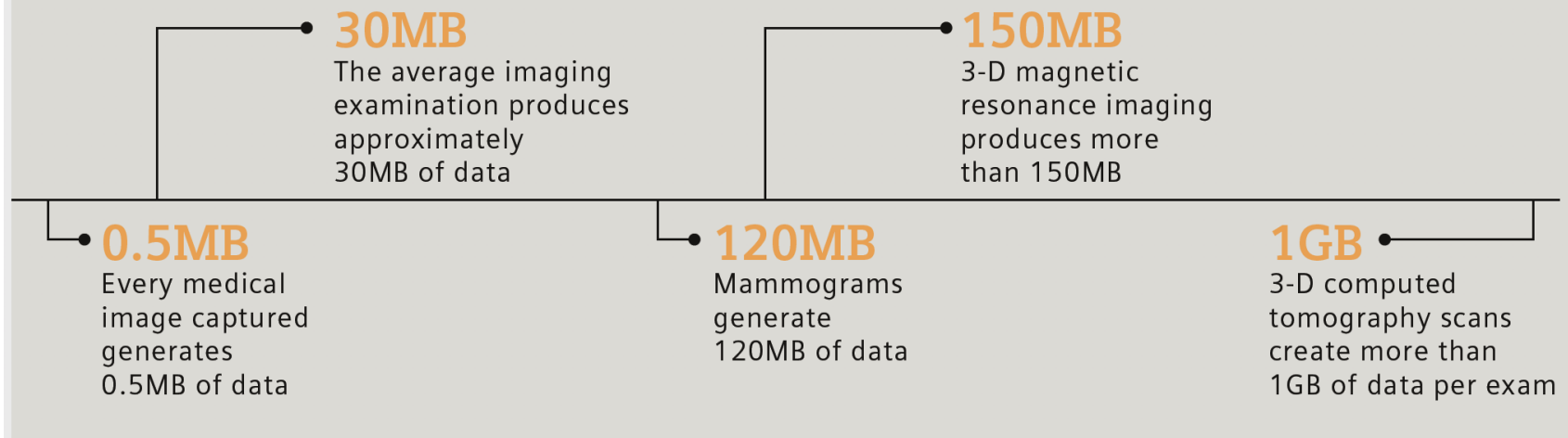
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What Big Data looks like

from: *Thinking Healthcare Ahead (2015), Siemens*

Growing file sizes ¹¹⁾



11) NetApp, Delivering Excellence in Patient Care with Ready Access to Clinical Data, September 2012, P. 4

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6 ways that Big Data can transform healthcare*:

1. Support research
2. Transform data in information
3. Support self-care
4. Support providers
5. Increase awareness
6. Pool data

**Healthcare IT Connect, <http://bit.ly/1zP0QPd>*

Objectives and Challenges: Statements from representatives of the industry

„If we can use real-time data
in combination with predictive analytics,
we can identify patients
for targeted interventions and
improved health behaviors.“

Jude Wimberger, Director of Value-based Healthcare Strategy, Medtronic

Objectives and Challenges: Statements from representatives of the industry

„Big Data will transform approaches in healthcare that have long defined the industry. No longer will we pool data from individuals to predict what happens at the population level. Instead, population data will be so comprehensive that it will accurately predict what happens to an individual patient.“

Thinking Healthcare Ahead (2015), Siemens

A few questions to discuss

1. How can we efficiently increase the potential of Big Data?
2. Which tools do we need to share health care data?
3. How can we achieve international standards for capturing and securing versatile data, including smart technology?
4. How do we deal responsibly with the risks associated with patient-related data, especially from a legal and ethical perspective?

Thank You

for Your Attention!

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