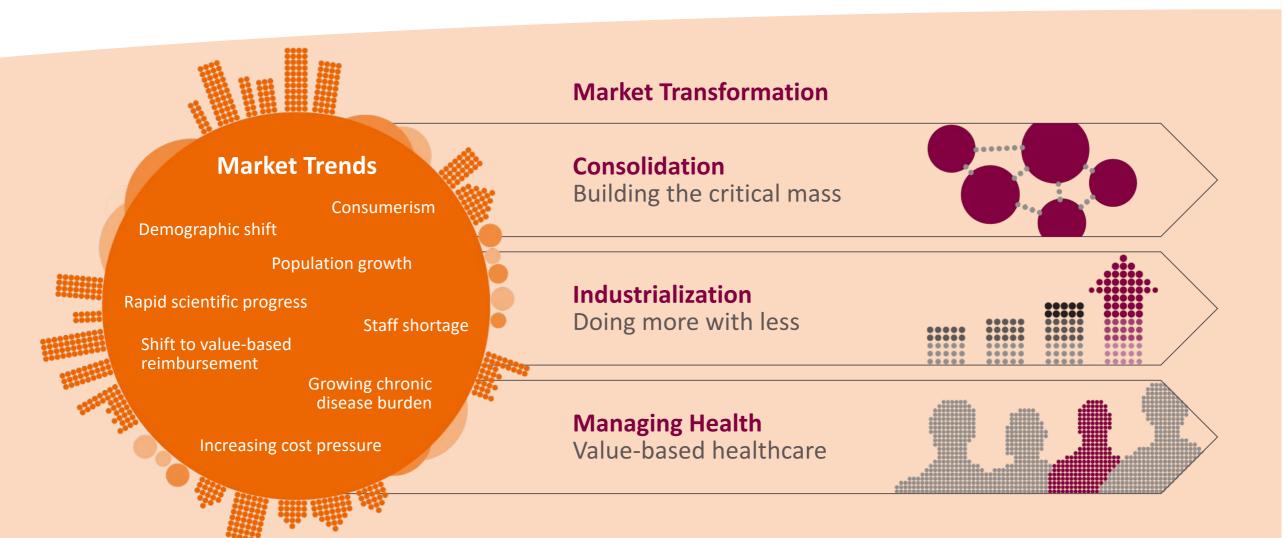




# The changing healthcare market





# Medical imaging users worldwide are creating big data



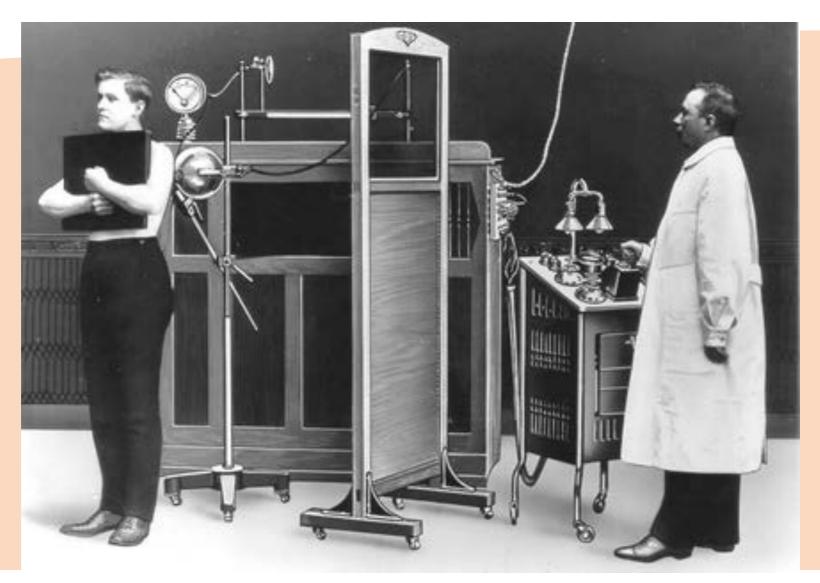


100,000s scanners

100,000s users

1,000,000s exams

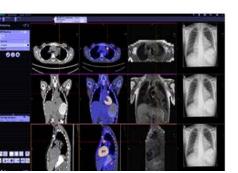


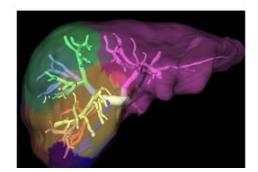


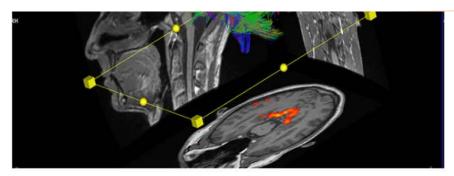
# There's is more than just images Tremendous amount of information is not utilized today

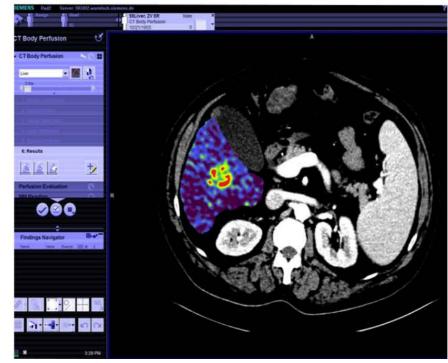














Unrestricted © Siemens Healthcare GmbH, 2016



# **Cinematic Rendering**

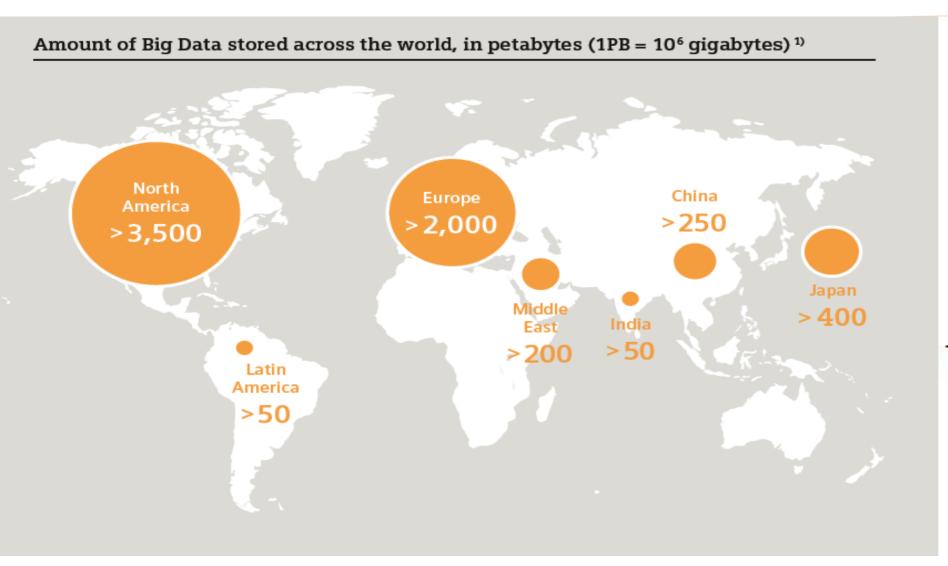
### **Cinematic Rendering\***

Novel photo-realistic 3D VRT rendering technology.



### Big Data, How big is it?

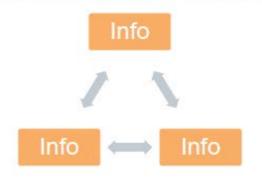




### Data explosion by 2020<sup>1</sup>



### The need for connectivity<sup>2</sup>



### Three ways how big data can transform healthcare





### \$300bn-\$450bn

If big data was used effectively, the U.S. healthcare sector could save every year



### **Support providers**

New user-friendly support systems alleviate pressures by saving time, money and improving outcomes.



#### 80%

of health data is unstructured and stored in hundreds of forms such as lab results, images, and medical transcripts.



# Transform data into information

Improve data communications and quality. Enhanced and efficient care will follow.



### 16,000

hospitals worldwide collect data on patients.



#### **Pool data**

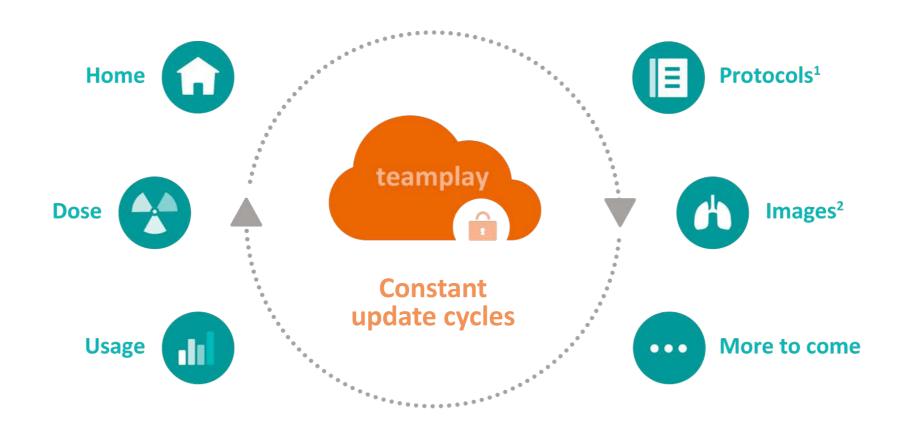
Big data may not cure cancer today, but its promise lies in what it can uncover to enhance diagnostics and treatment tomorrow

<sup>&</sup>lt;sup>1</sup> Healthcare IT Connect, http://bit.ly/1zP0QPd

<sup>&</sup>lt;sup>2</sup>IBM, McKinsey Global Institute, http://bit.ly/1qaeJ9t

# teamplay is a network that brings together healthcare professionals – to advance medicine and human health



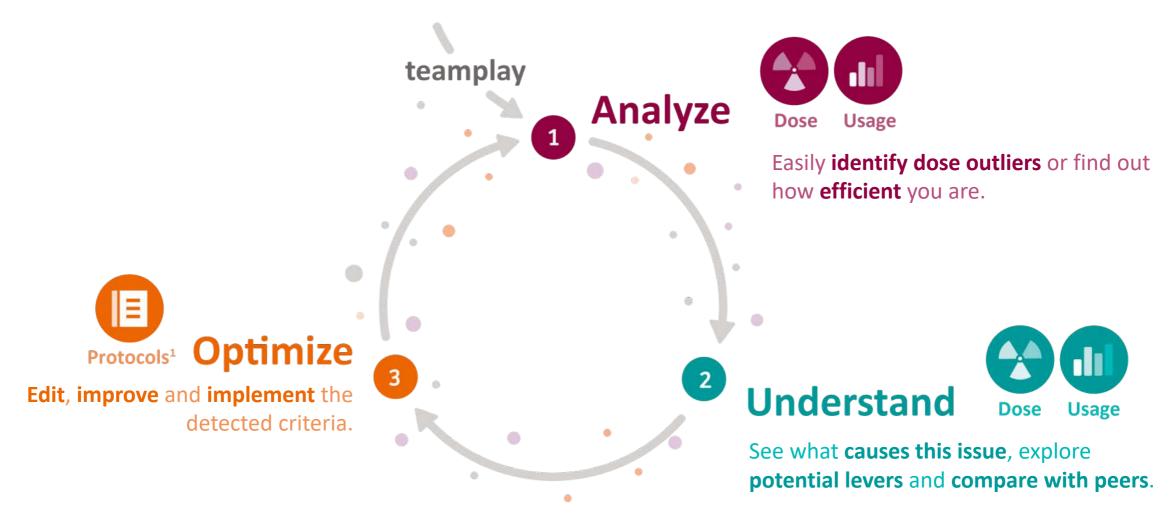


¹ teamplay Protocols supports selected Siemens scanners. Please contact your Siemens representative for horestricting. © Siemens Healthcare GmbH, 2016

<sup>&</sup>lt;sup>2</sup> teamplay Images not for clinical use.

# Increase your efficiency with teamplay by following the improvement cycle





ประสาทั่งโล่ง Protocols รับอุฮอสร์ ระโยย์ รายาละโรร canners. Please contact your Siemens representative for more details.

# Future Vision: Driving value in healthcare with the Digital **Ecosystem**



### **Deep Insights**

**Siemens Healthineers Apps** 







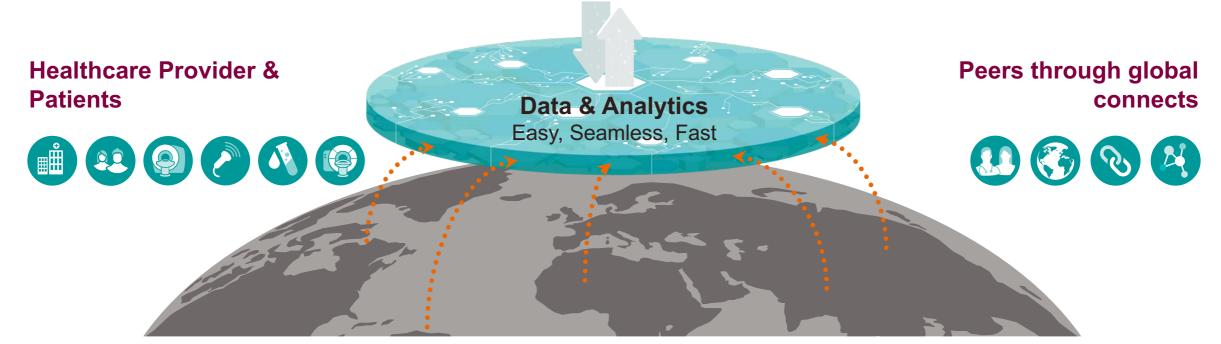








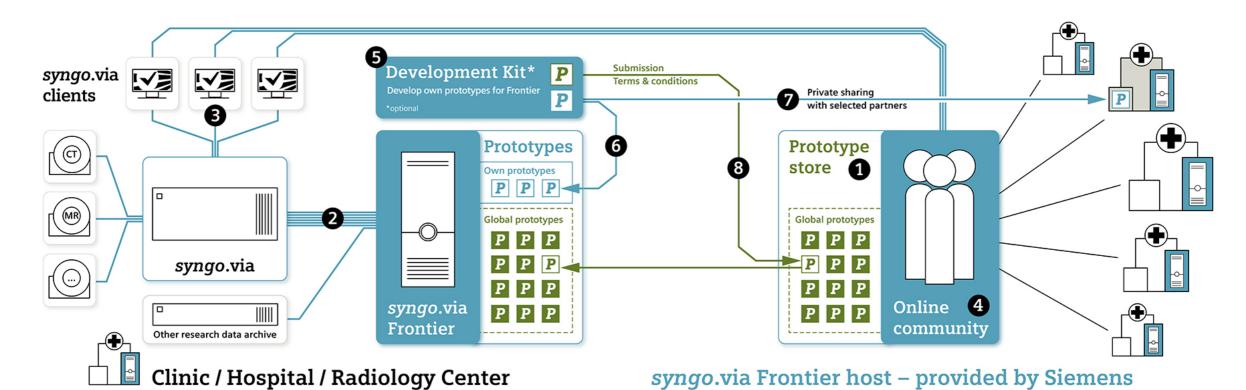
**Partner Apps and Data** 



# syngo.via Frontier

### Your gateway to an open research environment





- Siemens global syngo.via Frontier prototype store Global distribution of prototypes for all imaging modalities to all connected syngo.via Frontier systems. Prototypes may come directly from Siemens laboratories, third-party companies or clinical partners.
- Seamless, secure integration
  The infrastructure of syngo.via Frontier seamlessly integrates the user interface into the clinical syngo.via environment, while securely segregating clinical data from research data.
- Access from any syngo.via client syngo.via Frontier is directly integrated with your clinical syngo.via system. This means syngo.via Frontier prototypes can be used from all syngo.via clients.
- 4 syngo.via Frontier community The exclusive syngo.via Frontier community acts as a global information and support platform, facilitating communication between researchers and with Siemens.
- syngo.via Frontier Development Kit
  Based on the powerful MeVisLab framework for medical
  imaging, the syngo.via Frontier Development Kit
  includes additional modules that enable integration
  and interaction with syngo.via.
- Use your own prototypes within your institution As a prototype developer, you can easily deploy prototypes for translational research within your own institution.
- Share your prototypes with selected clinical partners Furthermore, prototype developers can share prototypes with selected partners for closed multi-center trials.
- Share your prototypes in the global prototype store You can also submit your prototypes to Siemens for global public distribution in order to maximize academic impact.

# Population Health Management<sup>1</sup> – Future services and solutions to improve clinical and financial outcomes on a large scale







#### Siemens Healthineers current foundation



Strong imaging and lab product portfolio



Authorized access to imaging (and lab) data



Real-time analytics within product portfolio



Data-driven operational efficiency improvements



Strong clinical competence & global presence



