

Better Health, Brighter Future



IL FUTURO (PROSSIMO) DELL'HEALTHCARE

DAVIDE BOTTALICO, MD – DIGITAL HEALTHCARE & INNOVATION DIRECTOR

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TAKEDA-ISM



OUR PRIORITIES

We make decisions and take actions by focusing on our four priorities in this order:

1 Putting the patient at the center

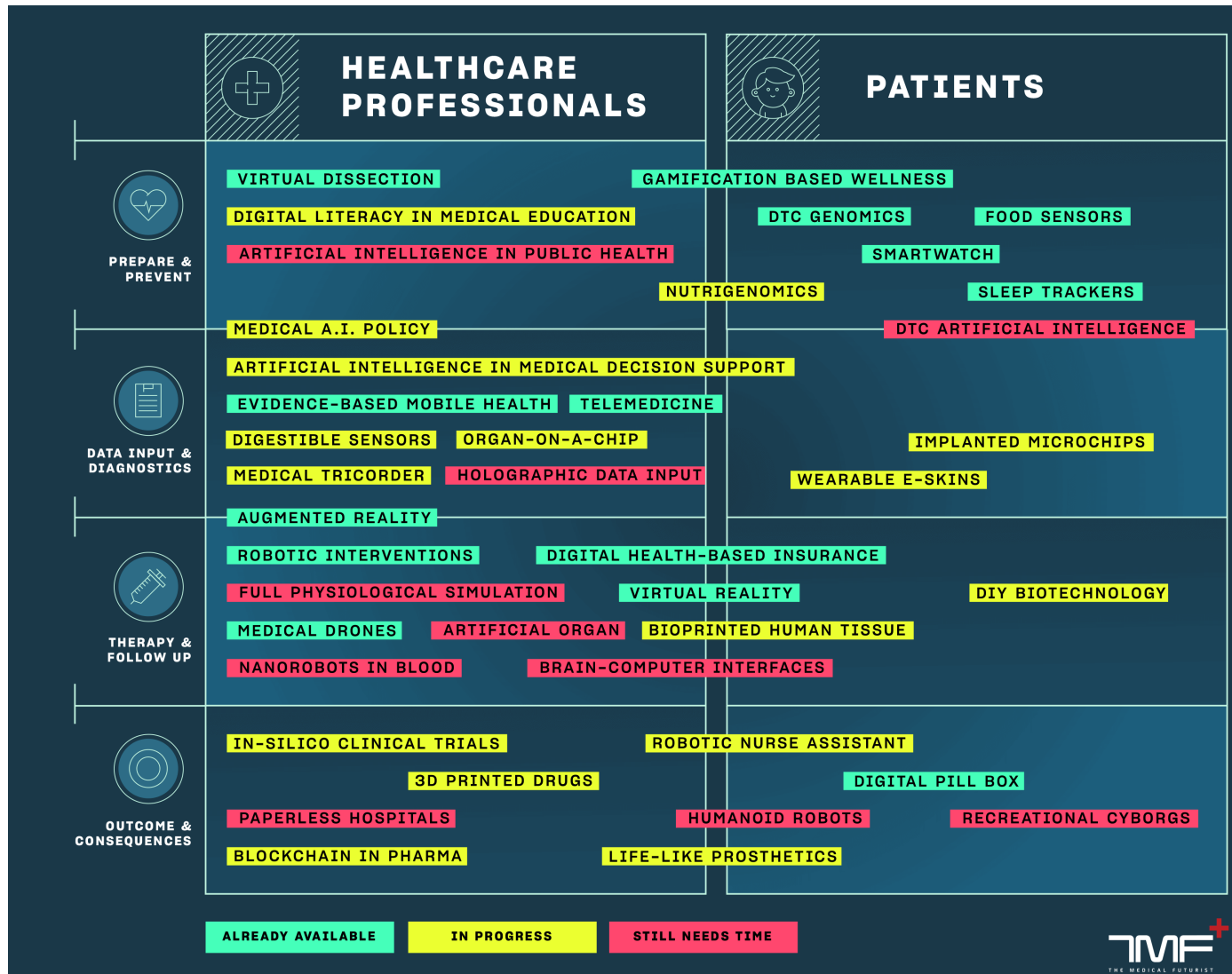
2 Building trust with society

3 Reinforcing our reputation

4 Developing the business



Future Trends of Medicine



René Laënnec (1781-1826)









René Laënnec





Dr. Honorata Hafke-Dys

Adam Mickiewicz University, Institute of Acoustics, Faculty of Physics.

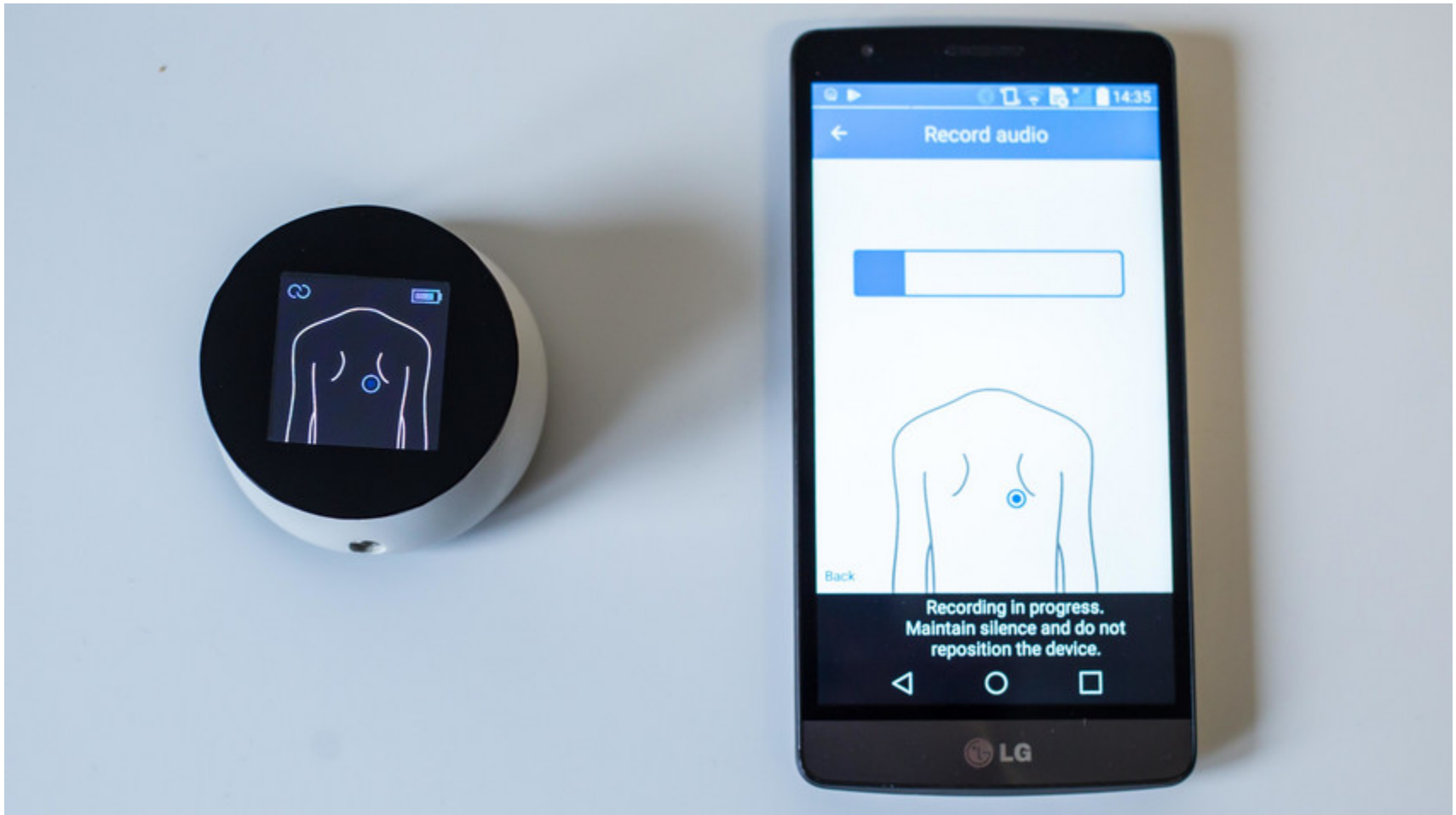


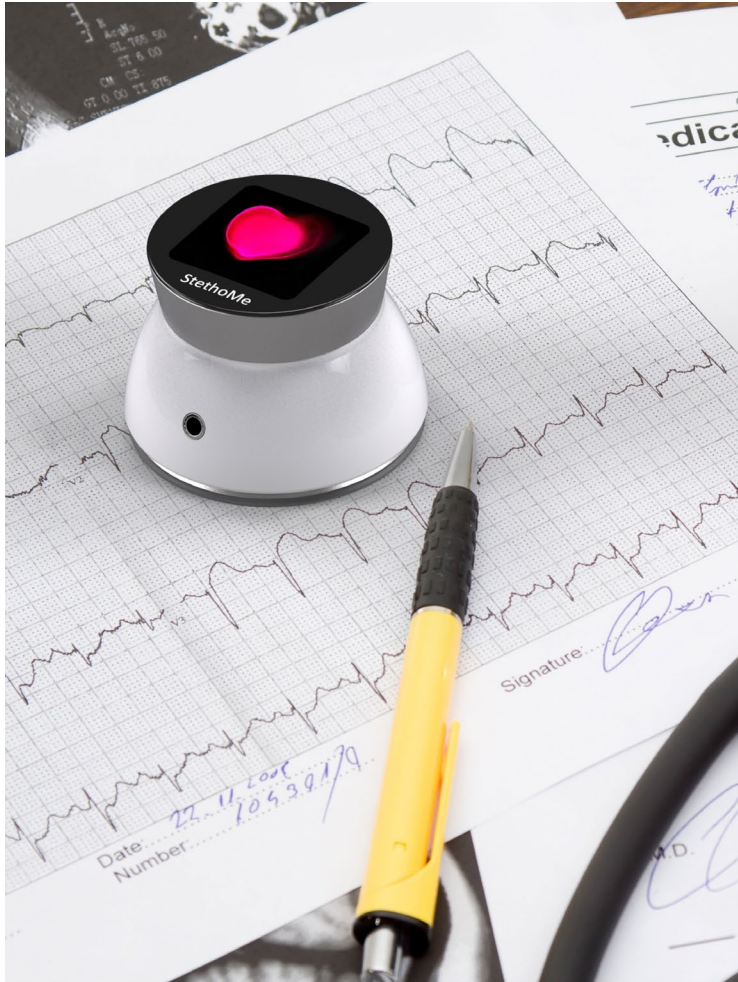
<https://stethome.com/>

Dr. Honorata Hafke-Dys

Adam Mickiewicz University, Institute of Acoustics, Faculty of Physics.



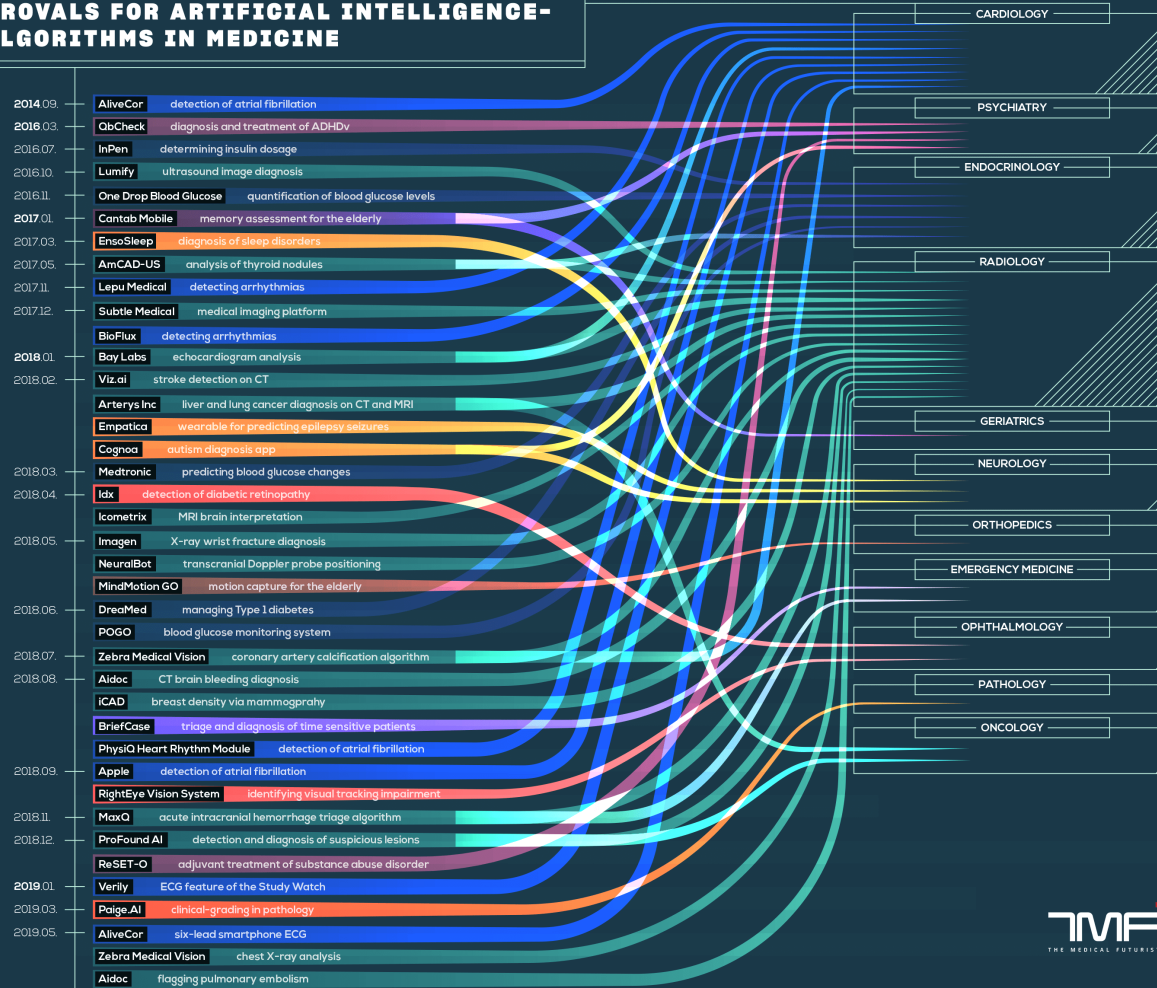




9 FURTHER DEVELOPMENT

MyWhizzy™ reports that currently concept is tested by the medical environment, which provided a very positive feedback regarding the sound quality obtained by StethoMe. The company at this moment is actively in the pursuit of medical centers in Europe, which are keen to help the company in further product testing.

FDA APPROVALS FOR ARTIFICIAL INTELLIGENCE-BASED ALGORITHMS IN MEDICINE



Mobile, FDA-cleared, EKG



Portable Gluten tester



Health trackers



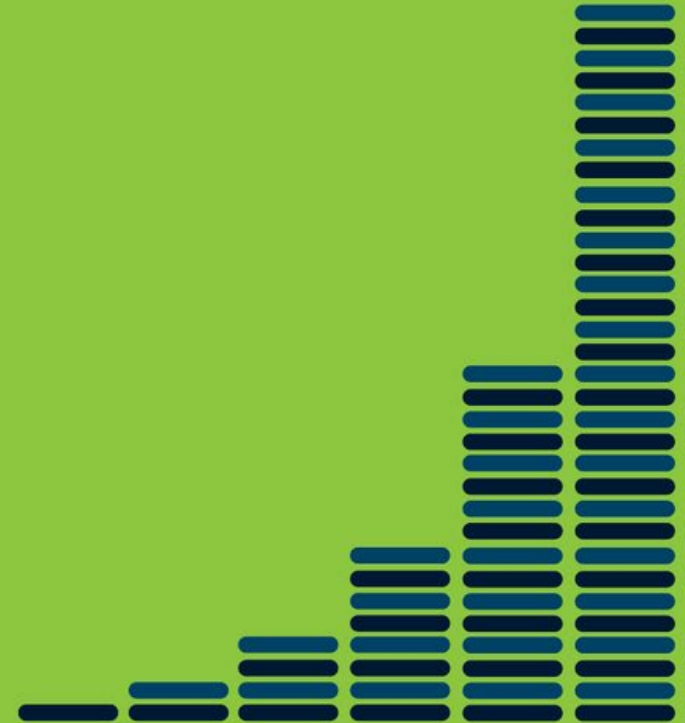
Bio-scarf



Portable ultrasound wand



Medical data
is expected
to double
every 73 days
by 2020.



IBM Watson Health

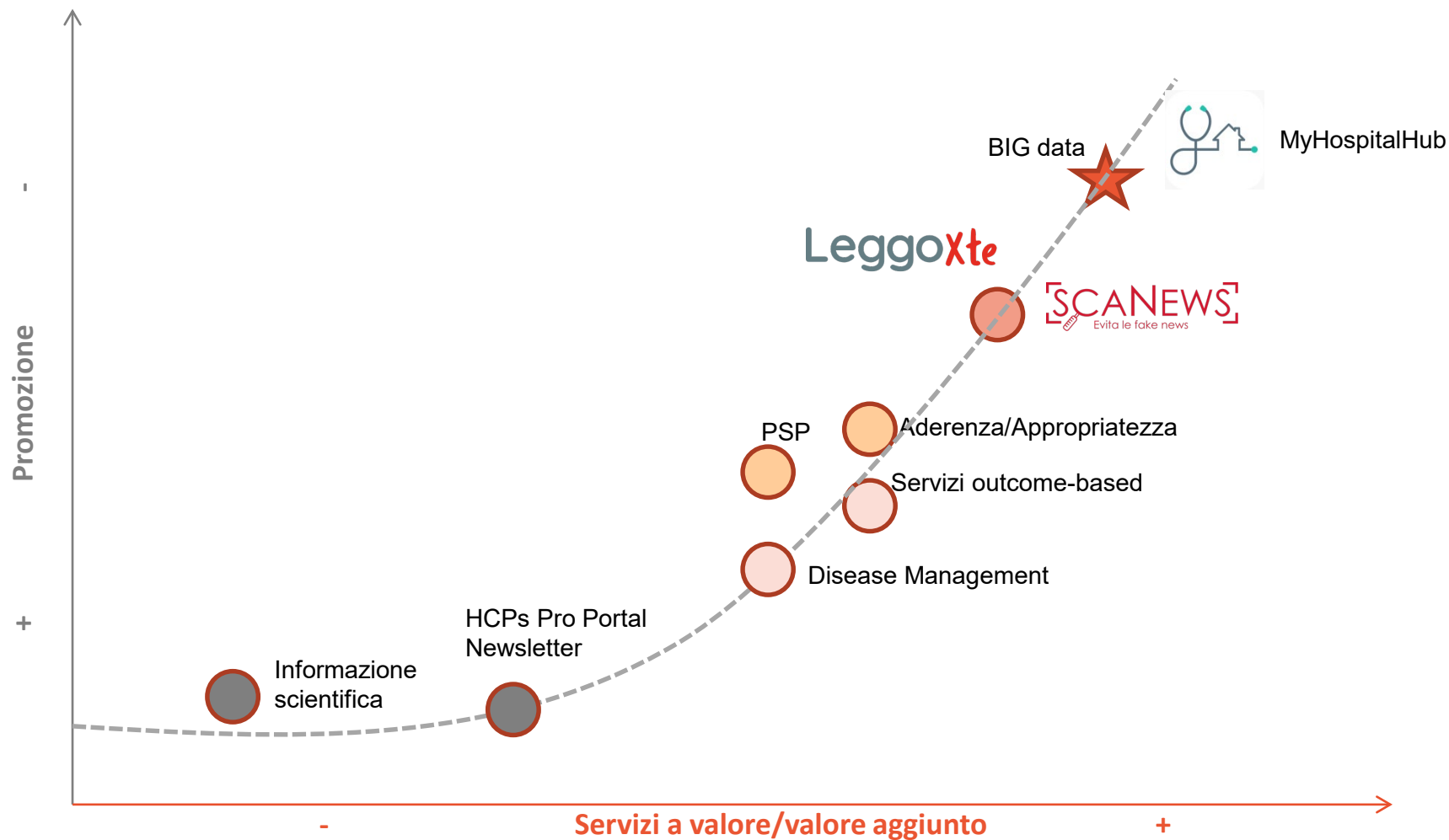
Source: University of Iowa, Carver College of Medicine, 2014

Data explosion and industry challenges creating opportunities for AI

Data Explosion	Physician shortage and burnout rising	Medical images growing & taking valuable time	Managing vulnerable populations is essential	Increased costs & complexity in life sciences
<p>Medical data is expected to double every 73 days by 2020¹</p> <p>150 exabytes The volume of healthcare data in 2011²</p>	<p>12.9M Expected global shortage of health-care workers by 2035³</p> <p>½ of the workday Primary care physicians spend nearly 6 hours interacting with the EHR during and after clinic hours⁴</p>	<p>60 billion Medical images generated in the US in 2015⁵</p> <p>64 percent Time radiologists spend on non interpretive tasks⁶</p>	<p>2 Billion The number of people over the age of 60 by 2050⁷</p> <p>80 percent Medicare beneficiaries have at least one chronic illness, with 20 percent of them having four or more⁸</p>	<p>\$2 billion Cost for a new drug to reach the market⁹</p> <p>nearly 1.5 million preventable adverse drug reactions occur in the US each year¹⁰</p>

Sources: 1. University of Iowa Carver College of Medicine; 2. NCBI; 3. WHO; 4. Tailored to the EHR: Primary Care Physician Workload Assessment Using EHR Event Log Data and Clinic Motion Observations; 5. Bipartisan Policy Center; 6. CMS; 7. WHO; 8. Health Affairs; 9. Journal of the American College of Radiology; 10. Transparency Market Research

Scenario futuro: evoluzione dei servizi



Esempi di Servizi Healthcare



La soluzione che aggrega notizie da fonti attendibili in ambito medico-sanitario combattendo il fenomeno delle Fake News



La soluzione che legge i foglietti illustrativi di tutti i farmaci Takeda offrendo supporto a pazienti ciechi, analfabeti ed ipovedenti



Piattaforma web + App mobile per la gestione organizzativa dei pazienti cronici fragili