



associação para a
promoção e desenvolvimento
da Sociedade da Informação

As TIC e a Saúde no Portugal de 2013

20 de fevereiro de 2014
Centro Hospitalar Psiquiátrico de Lisboa

Patrocinadores Bronze



Patrocinadores Globais



eHealth – some our future challenges...

2030: Stress, mental health and related diseases will be the most important disability problems;

Chronic diseases/Population getting Older are facts that will prevail on the next 30 years;

Obesity is presently a huge epidemic problem for almost all countries!

Source: OMS, INS, McCrone et al. 2004; Mihalopoulos et al. 2005; Christensen & Griffiths 2007; Shandley et al. 2009).

... on the next years SNS will have a very tied investment Budget available ...

1. OMS recommends as a success key for a healthy future the responsibility of having a Healthy live Style;
- 2. OMS recommends to go from a sensibilization labor process to concrete proactive actions!**

eHealth – One person is a single person

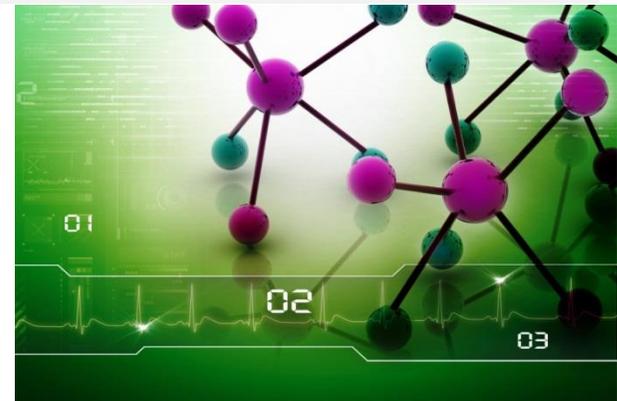
How Will Patient Care & Cost Change by 2020? Data, Content and Decision Support Challenges

"Genomics plays a role in 9 of the 10 leading causes of death**"

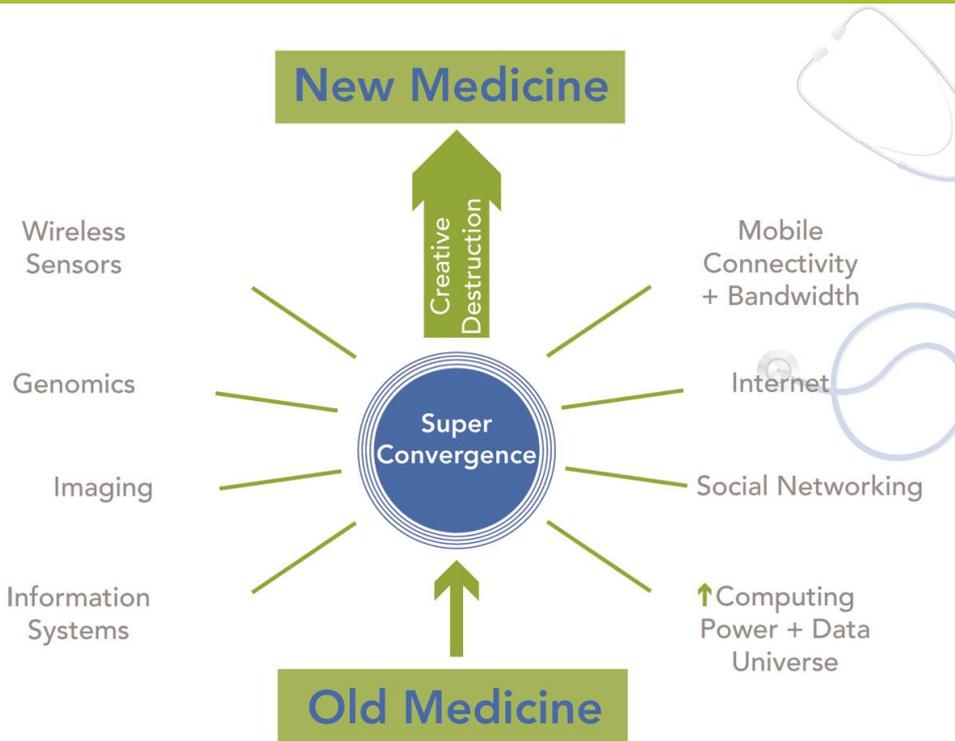
Genomic information and clinical decision support tools will have to be created to electronic health records

Fuente: Gartner, 2013

“Personalized medicine stands poised to transform healthcare over the next several decades. **New diagnostic and prognostic tools will increase our ability to predict the likely outcomes of drug therapy, while the expanded use of “biomarkers”** – biological molecules that are associated with a particular disease state – could result in more focused and targeted drug development. **Personalized medicine also offers the possibility of improved health outcomes and has the potential to make healthcare more cost-effective”**



eHealth – Improve prevention and efficiency



Tendencias Tecnológicas

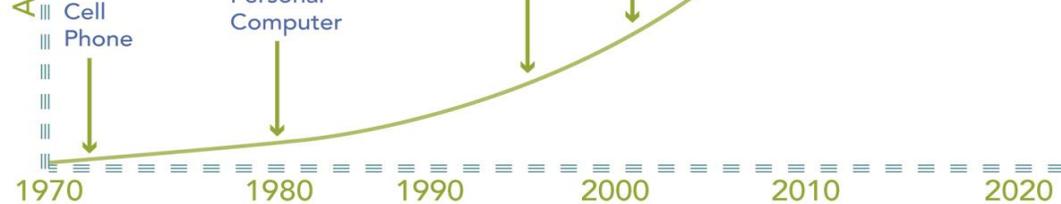


Dr. Eric Topol
 #1 Most Influential Physician
 Executive in Healthcare, 2012
 by *Modern Healthcare*



<http://createdestructionofmedicine.com/>

Acceleration of Technology



What if your cell phone could detect cancer cells circulating in your blood or warn you of an imminent heart attack? Mobile wireless digital devices, including smartphones and tablets with seemingly limitless functionality, have brought about radical changes in our lives, providing hyper-connectivity to social networks and cloud computing. But the digital world has hardly pierced the medical cocoon.

Until now. Beyond reading email and surfing the Web, we will soon be checking our vital signs on our phone. We can already continuously monitor our heart rhythm, blood glucose levels, and brain waves while we sleep. Miniature ultrasound imaging devices are replacing the icon of medicine—the stethoscope. DNA sequencing, Facebook, and the Watson supercomputer have already saved lives. For the first time we can capture all the relevant data from each individual to enable precision therapy, prevent major side effects of medications, and ultimately to prevent many diseases from ever occurring. And yet many of these digital medical innovations lie unused because of the medical community’s profound resistance to change.

Modern medicine is designed for groups. The interactions of drugs, patients, and diseases are unpredictable—clinical trials are population based and do not account for personal idiosyncrasies, much less medical histories. In *The Creative Destruction of Medicine*, pioneering geneticist and cardiologist Eric Topol introduces a radical new approach—by bringing the era of big data to the clinic, laboratory, and hospital. With personal technology, doctors can see a full, continuously updated picture of each patient and treat each individually. Powerful new tools can sequence one’s genome to predict the effects of any drugs, and improved imaging and printing technology are beginning to enable us to print organs on demand. Topol offers a glimpse of the medicine of the future—one he is deeply involved in shaping. Now in paperback.

... onde investimos...?

- Prevenção, controlo e criação de hábitos novos... ?
- Alteração do Governance de IT... ?
- Uniformização ou substituição dos Sistemas atuais?
- Na tecnologia para os tratamentos do dia a dia?
- A tecnologia para melhorar ou tornar mais eficiente o modelo atual?
- Novos Indicadores de gestão e monitorização de despesas e progresso?
- Trabalhamos no curto prazo ou no longo prazo?

....

