



Research, innovation and deployment problems that need to be solved

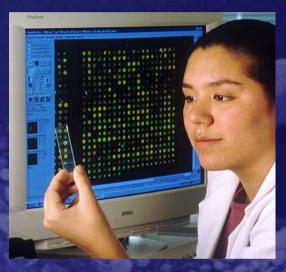
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The Future Paradigm:

Transform Medicine from Curative to Preemptive







Predictive







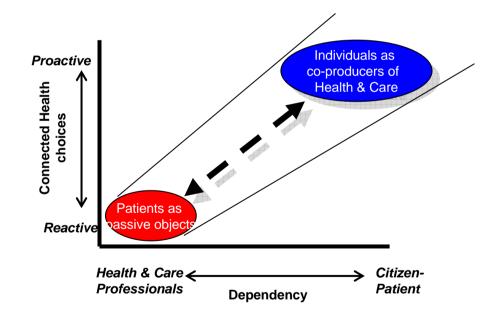






Objects of care will assume a new role as Co-producers of health and care

Traditional Model		Co-Producer Model
Illness	→	Management of health and
"Outsourced"	_	"Incoursed"
Reactive	→	Proactive
Episodic	→	Continuous





Citizens, patients, experts with ...

Personal Access in a Role

+

Personalized Resources

Body + Mind

+

Pervasively 24/7, anyplace

STI in ICT for Health

Challenges

PHS

Tools and services for disease & lifestyle management

VPH

Systems biology, biomarker mining, modelling, Decision support eHealth

EHR + PHR,
Health information
infrastructure,
Controlled vocabularies

Creating response ability

Understanding the complexity

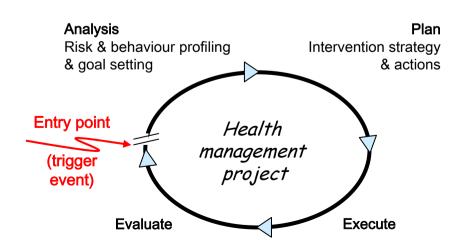
Semantic interoperabilit y

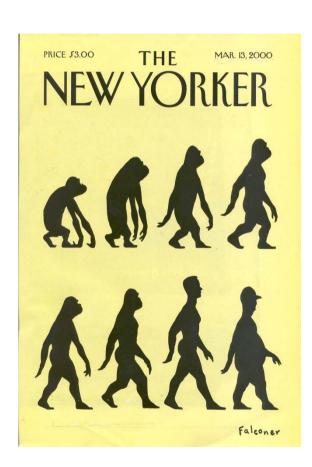


Examples of unresolved issues Lifestyle Modification & Sustaining It

Compliance → **Response Ability**

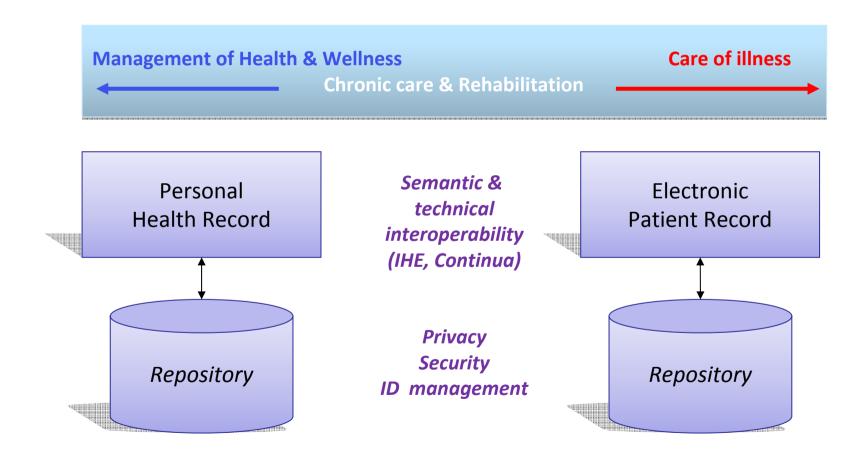
- Education, training & tools
- Motivation
- Personalizing one size fits no one
- Predictably irrational (@ Dan Ariely)
- "Laziness gene"?







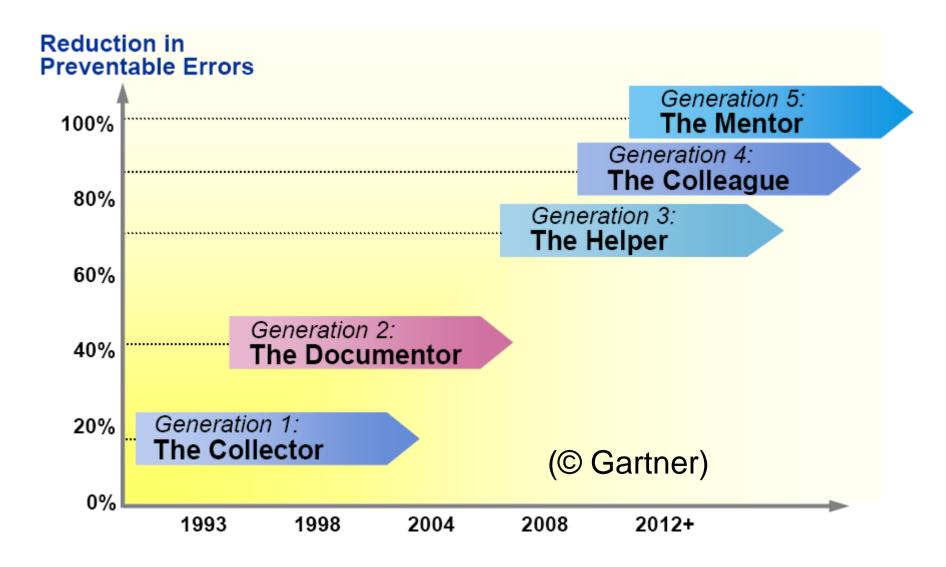
Examples of unresolved issues Interoperability & Integrating EDR and DHR





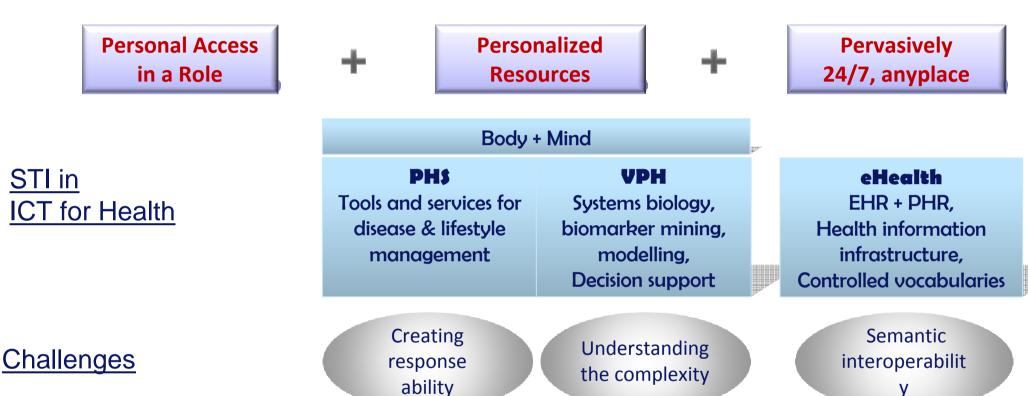


Examples of unresolved issues Demonstrating Value to Users





Citizens, patients, experts with ...



But also there are organisational, socio-economic, regulatory, ... issues

"Co-Producers" Value & Experience Business models Standards

Education & training Incentives & Policies Transparency



Concluding How to disrupt current practices?

- "Today, 21st century medical technology is delivered with 19th century organization structures, management practices, and pricing models."
 (Michael Porter, Harvard Business School)
- "Don't be scared to invent the institution that could put you out of business"

(Clayton Christensen, Harvard Business School)



VTT creates business from technology