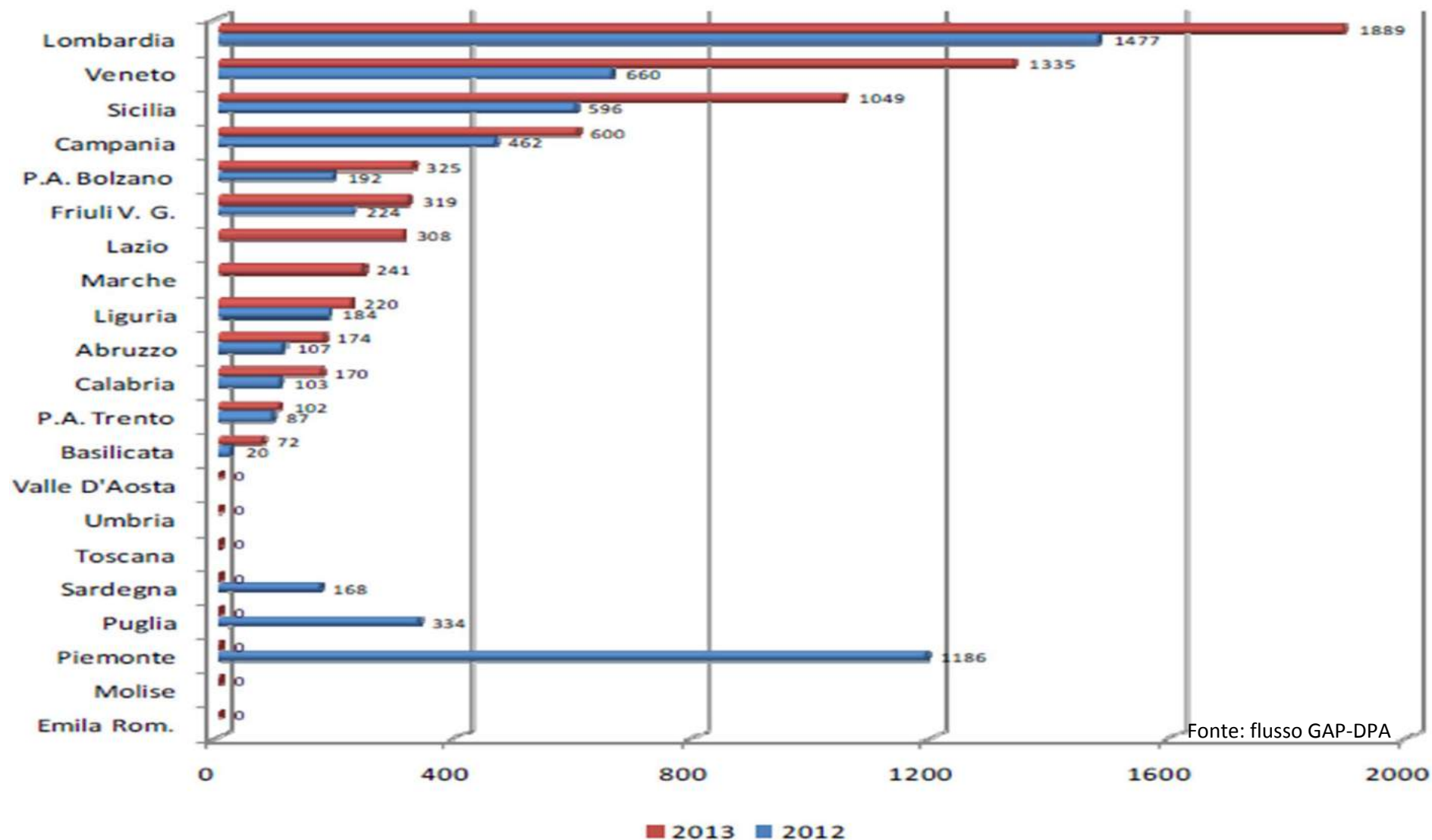


I trattamenti
rilevazione a partecipazione
volontaria



GAP E NUOVE TECNOLOGIE

Soggetti in trattamento per gioco patologico



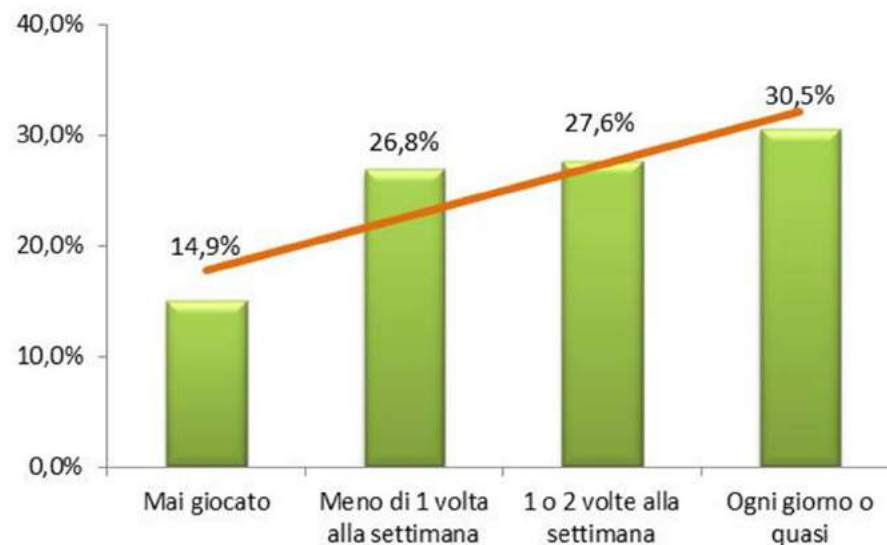
GAP E NUOVE TECNOLOGIE

Pathological gambling and other addictions



Popolazione Generale 18-64 anni (GPS-DPA 2012)

**Forte associazione
con altre forme di
abuso e dipendenza**



Popolazione Studentesca 15-19 anni (SPS-DPA 2013)



GAP E NUOVE TECNOLOGIE

Social costs?
Which balance?

Good decision come from
experience and experience
comes from bad decisions.

- Unknown

Interessi di mercato e
finanza pubblica

FILIERA
~10 mld €

ERARIO
~8 mld €



Prevenzione, cura,
riabilitazione,
criminalità, usura,
polidipendenza



COSTI SOCIALI

- Diretti
- Indiretti
- Tangibili
- Intangibili

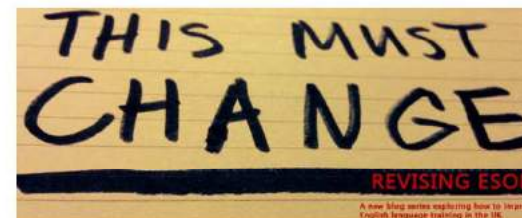
Dati incerti o assenti
su stime di:

- Numero giocatori
- Impatto patologia
- Danno sociale

GAP E NUOVE TECNOLOGIE

Role of prevention for adults
and underage gambling?

PREVENTION
WORKS!



Gioca responsabilmente e'
come dire:

- annega con cautela
- sparati con prudenza!!!
- buttati dalla finestra ma copriti che fa freddo!!!

Nuovo scenario



Per contrastare il gioco d'azzardo di massa,
per informare su leggi e normative,
per promuovere la cultura del buon gioco

[scarica il manifesto](#) [aderisci](#) [f](#) [t](#)

[\[Home\]](#) [\[Chi siamo\]](#) [\[Il manifesto\]](#) [\[La petizione\]](#) [\[I Materiali\]](#) [\[Aderisci\]](#) [\[Dona\]](#)

Normative su limitazioni in luoghi fisici.
E la rete?

NEUROGAP – Catania, 14 aprile 2016



GAP E NUOVE TECNOLOGIE

Agenda



La quarta rivoluzione industriale



I dati del gioco d'azzardo



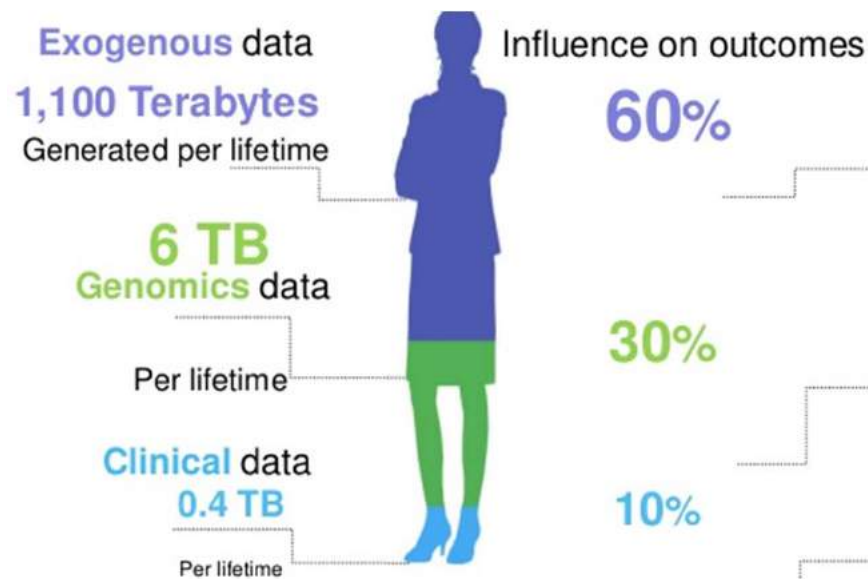
Soluzioni tecnologiche



Conclusioni

GAP E NUOVE TECNOLOGIE

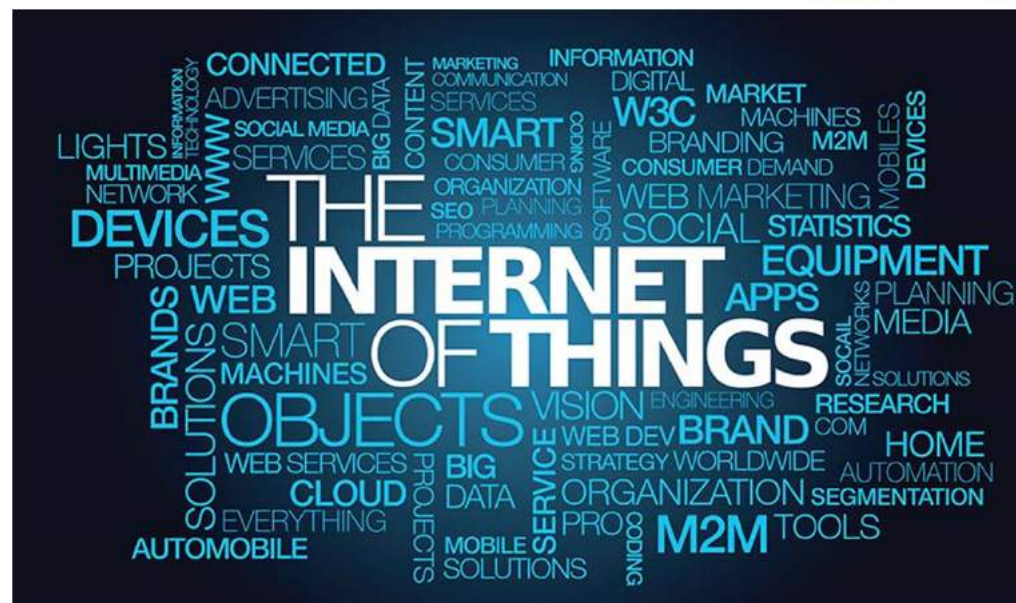
Nuovo contesto



Source: "The Relative Contribution of Multiple Determinants to Health Outcomes", Lauren McOvair et al., Health Affairs, 33, no 2 (2014)

NEUROGAP – Catania, 14 aprile 2016

High impact of technologies
on real life

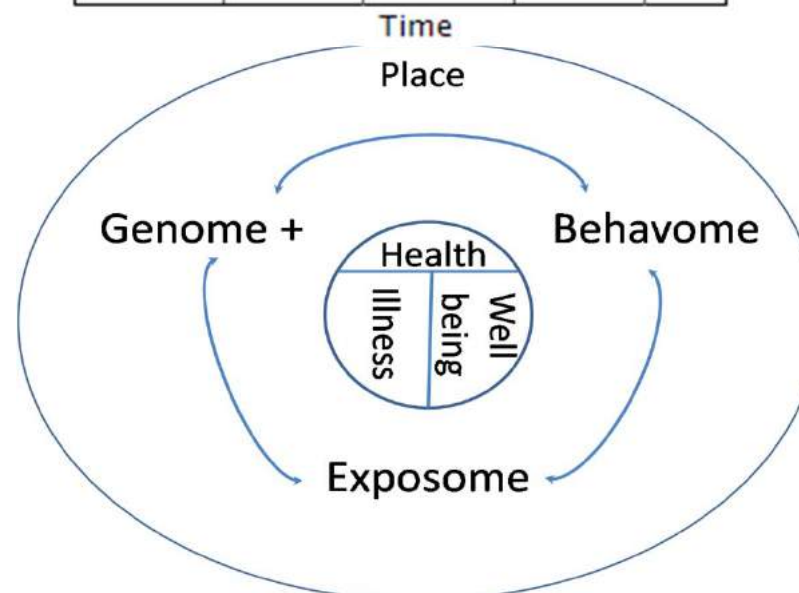
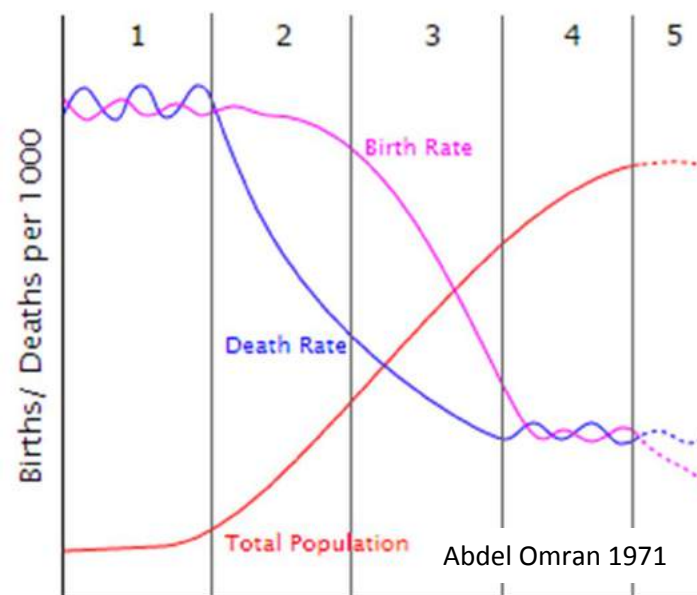


Roberto Mollica

What is the Exposome?

At its most complete, the exposome encompasses life-course environmental exposures (including lifestyle factors) from prenatal period onwards

A comprehensive measurement of all exposure events (exogenous and endogenous) from conception to death



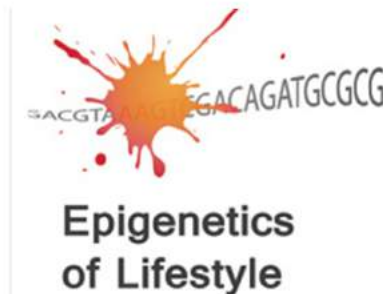
“Unlike the genome, the exposome is a highly variable and dynamic entity that evolves throughout the lifetime of the individual...”

-- Christopher Paul Wild



Together these lead to whether disease occurs or health is promoted...

Kevin Patrick, UCSD, NCI U01 CA130771



EPIGENETICS

How the experiences of previous generations can affect who we are



GAP E NUOVE TECNOLOGIE

Approccio bio-psico-socio-ambientale

Patients' involvement and
active participation



Empowerment e responsabilizzazione
del cliente/paziente



Evan Trafford

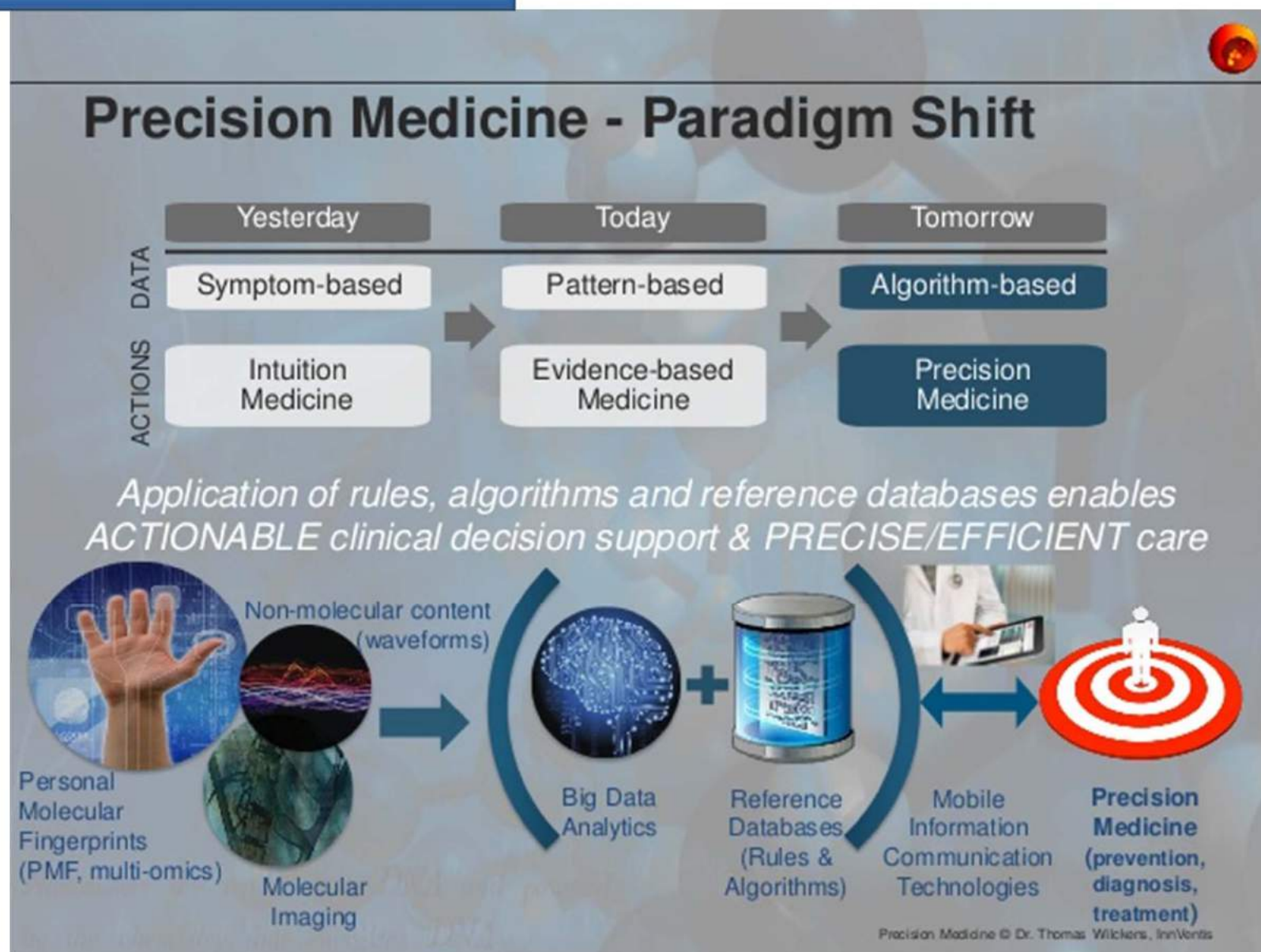
Content & Support Strategist | Lifter of Heavy
Objects | Leather Craftsman | All Around Badass

Segui

Smartphones: A Better Approach To
Clinical Trials

NEUROGAP – Catania, 14 aprile 2016

Roberto Mollica





TREATMENT
AS
USUAL



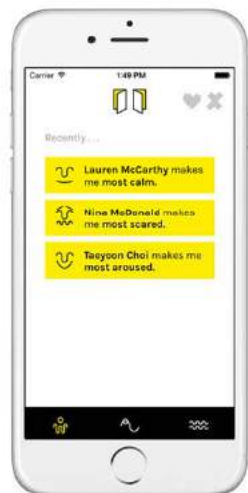
TECHNO
CARE
SOLUTIONS

GAP E NUOVE TECNOLOGIE

Soluzioni innovative

How to improve strategies ?

THINK
OUTSIDE
THE
BOX



NEUROGAP – Catania, 14 aprile 2016

Roberto Mollica



Using Smartphones to Treat Drug Abuse

By Janice Wood
- 1 min read

Researchers are working to develop technology that will allow smartphones to help addicts deal with drug cravings.

Researchers at the University of Massachusetts Medical School (UMMS) are combining a variety of technologies, such as artificial intelligence, smartphone programming, biosensors and Wi-Fi, to develop the iHeal, which will be able to detect physiological stressors associated with drug cravings and respond with behavioral interventions.

Edward Boyer, MD, PhD, professor of emergency medicine and lead author of the study, worked with colleagues at UMMS and the Massachusetts Institute of mobile device.

Sensor technology is psychologists' latest tool in tackling drug abuse



From [gigaom.com](#) - August 7, 2014
5:27 PM

"Psychologists are studying the use of sensor-based devices to help treat people with substance abuse problems."

Via [Allison Hermann, PhD](#)



The ecology of addiction: Tracking drug dependence in the urban landscape

By Michael Corbin on 14 Feb 2012 4 comments

f Share

Twitter Tweet

The original version of this story appeared in [Urbanite](#).

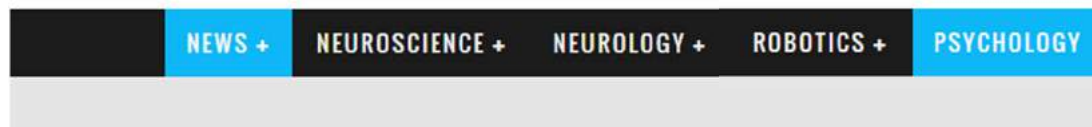
By some measures, Baltimore has more heroin users than any other American city. Yet city residents here, like in most urban centers in the United States, don't really see them. They are a part of the complex drug ecosystem: They are buyers and sellers, participants in treatment programs, inhabitants of jail and prison cells. Yet the "junkies" hide away in America's ideological predispositions, our moral judgments, and our assumptions about addicts and addiction.



Biostatistician Ian Craig with the National Institute on Drug Abuse. (Photo by J.M. Giordano.)

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New approaches in the addiction



Playing Tetris Can Block Addiction Cravings

Neuroscience News | August 13, 2015 | Featured, Psychology

Playing Tetris for as little as three minutes at a time can weaken cravings for drugs, food and activities such as sex and sleeping by approximately one fifth, according to new research published this week.

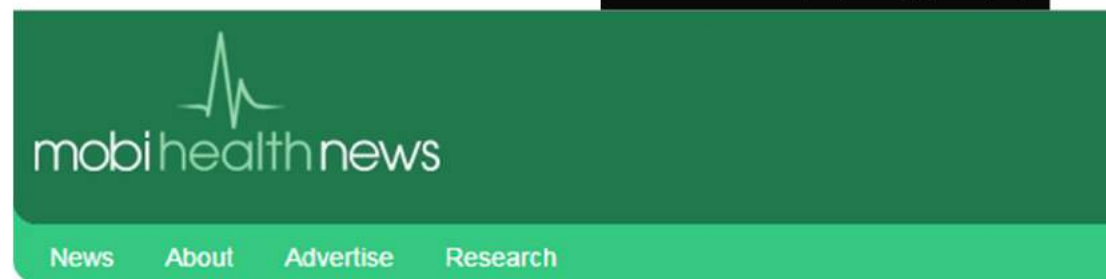


18 more clinical trials using Fitbit activity trackers right now

By [Jonah Comstock](#)

April 13, 2016

SHARE 20



iHeal device aims to prevent substance abuse relapses

By: [Brian Dolan](#) | Feb 9, 2012

[Tweet](#) 23

[Share](#) 24

[Share](#) 26

Tags: [Affectiva Q Sensor](#) | [chronic pain](#) | [drug abuse](#) | [iHeal](#) | [medication adherence](#) | [MIT Media Lab](#) | [post traumatic stress disorder](#) | [remote monitoring substance abuse](#) |



Published on 13.10.15 in Vol 17, No 10 (2015): October

This paper is in the following e-collection/theme issue:

Web-based and Mobile Health Interventions

Article

Cited By (0)

Tweetations (6)

Metrics

Original Paper

A Web-Based Self-Help Intervention With and Without Chat Counseling to Reduce Cannabis Use in Problematic Cannabis Users: Three-Arm Randomized Controlled Trial

Michael P Schaub¹, PhD ; Andreas Wenger¹, MSc ; Oliver Berg², MD ; Thilo Beck², MD ; Lars Stark², MA ;
Eveline Buehler¹, MSc ; Severin Haug¹, PhD

¹Swiss Research Institute for Public Health and Addiction (ISGF), associated to the University of Zurich and World Health Organization Collaborating Center, Zurich, Switzerland

²Arud Center for Addiction Medicine, Zurich, Switzerland

Conclusions: Web-based self-help interventions supplemented by brief chat counseling are an effective alternative to face-to-face treatment and can reach a group of cannabis users who differ in their use and sociodemographic characteristics from those who enter outpatient addiction treatment.

J Med Internet Res 2015;17(10):e232

doi:10.2196/jmir.4860

GAP E NUOVE TECNOLOGIE

Tapping onto the Potential of Smartphone Applications for Psycho-Education and Early Intervention in Addictions

New approaches in the addiction

Melvyn W. B. Zhang^{1*} and Roger C. M. Ho²

¹Biomedical Global Institute of Healthcare Research & Technology (BIGHEART), National University of Singapore, Singapore, Singapore, ²Department of Psychological Medicine, National University Healthcare Systems (NUHS), Singapore, Singapore



CONCLUSION

 **frontiers**
in Psychiatry

PERSPECTIVE
published: 17 March 2016
doi: 10.3389/fpsyg.2016.00040

E-health, and in particular smartphone applications, is increasingly becoming commonplace in healthcare. While psychiatry has tapped onto these innovations for conditions, such as affective disorders, and schizophrenia and psychosis, the usage of these technologies in addiction is limited. Addiction psychiatry could harness the potential of smartphone technologies in educating the masses about the harmful effects of drugs. This is particularly important given the changing perception held by individuals toward commonly abused drugs, as more drugs are being legalized or might be legalized for medical usage. Smartphone technologies incorporating theory-driven framework could be harnessed and used as interventional tool for those who are at-risk for the development of addiction. However, there remain limitations to the usage of such technologies that should be carefully considered.

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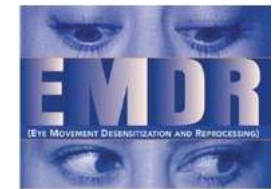
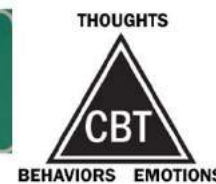
How to improve strategies ?



TECHNOLOGICAL FEATURES



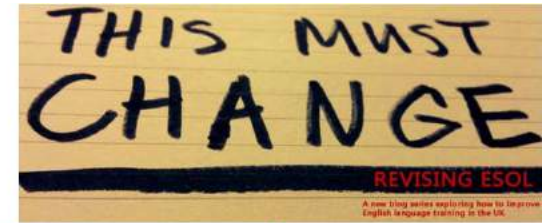
CLINICAL SOLUTIONS



GAP E NUOVE TECNOLOGIE



Subire o governare il cambiamento?



Kai Engel

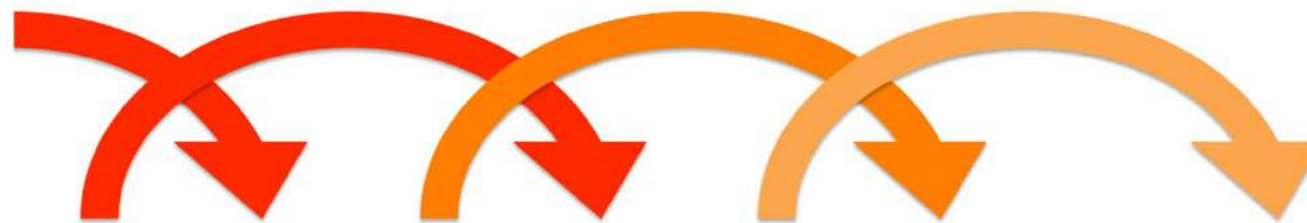
Partner and MD Germany, A.T. Kearney

Segui

Innovation – we don't need more ideas, we need more innovation management

Disruption

Waves of **Digital Disruption**



1995+

Music
Photography
Video rental
...

2010+

TV
News
Travel
Recruitment
...

2015+

Retail
Healthcare
Finance
Automotive
Education
...

...

DearMedia,
Digital Strategies and Innovation



Professionals side
Care providers

Support change

Openness
Lean organization
Leadership model
Systems
interoperability
Training
e-CF

Matching supply
and demand

Instruments

Connectivity
Devices
e—health solutions
m—health solutions
On-line services
Big-open-linked data
Internet of Things
e-learning
MOOC

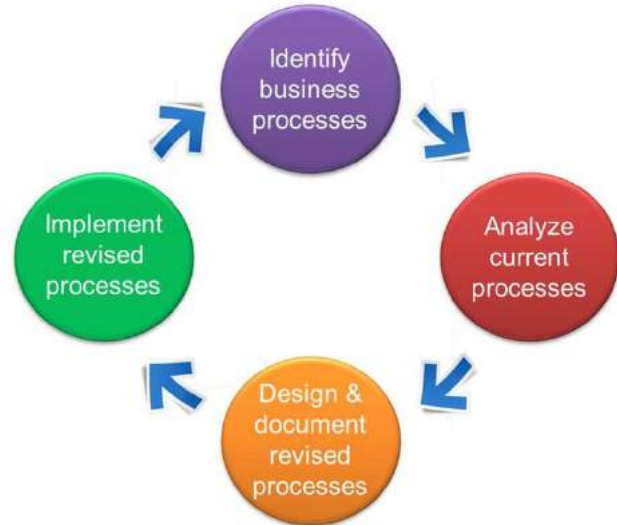
Clients side
Cure demand

Support accessibility

Education
Literacy
Pay for value
Satisfaction
Empowerment
Self management
Engagement

APPROPRIATENESS – Outcome, not volume

GAP E NUOVE TECNOLOGIE



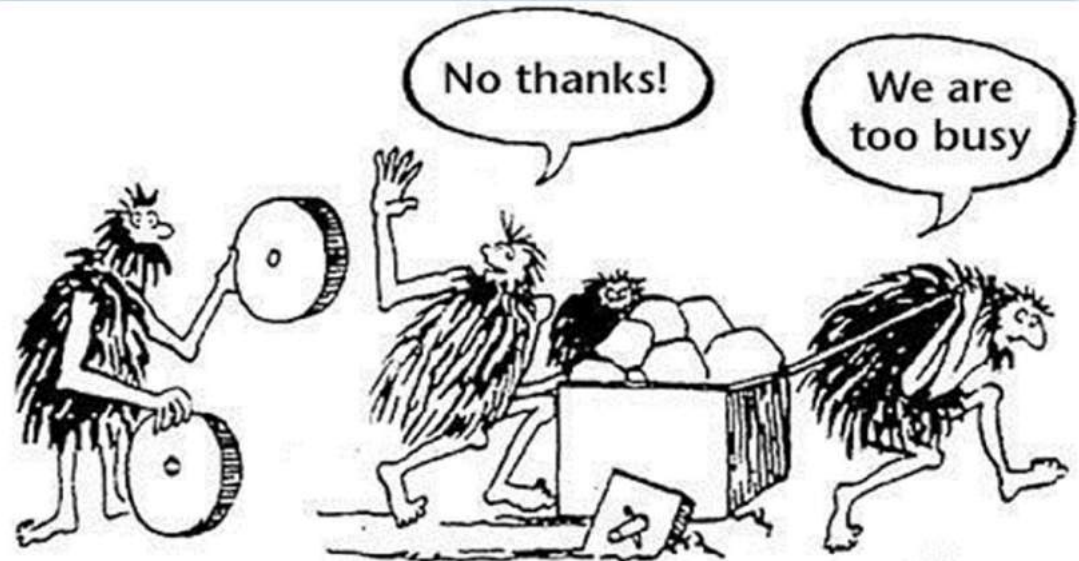
New processes for new strategies

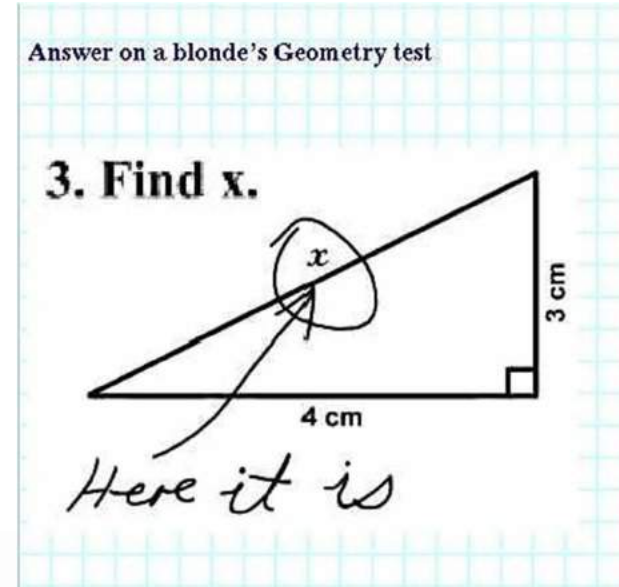
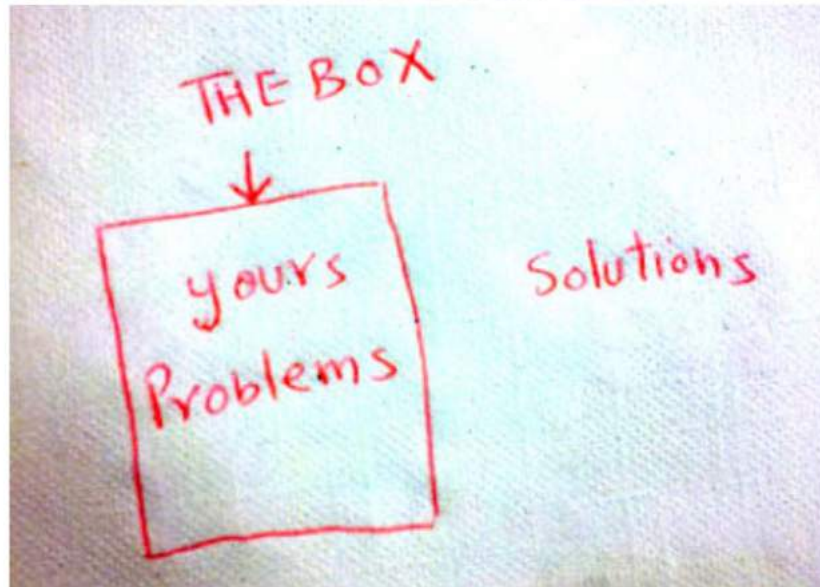


*Most of us spend too much time on what is urgent and not enough time on what is **IMPORTANT.***

- Stephen Covey

WWW.VERYBESTQUOTES.COM

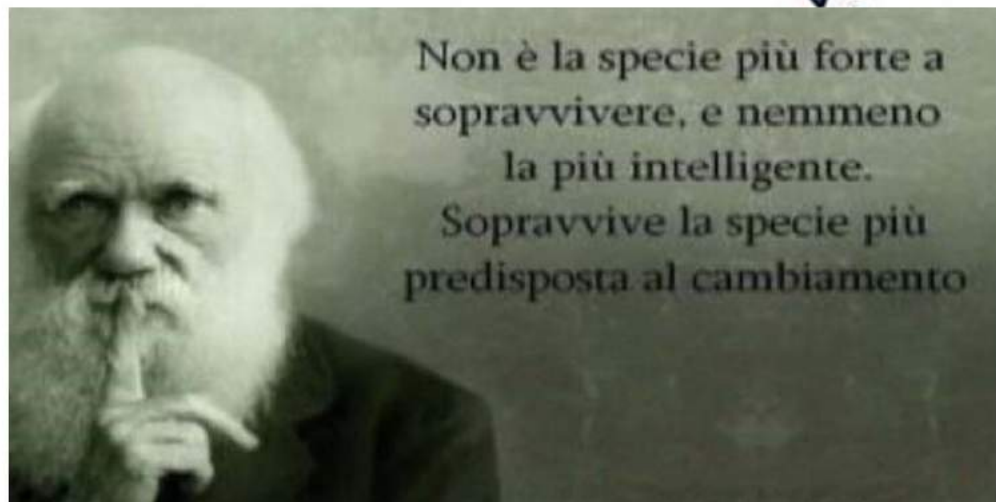
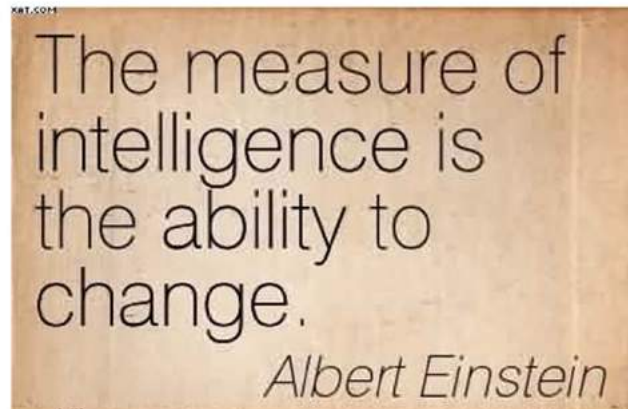




Think Outside The Box



GAP E NUOVE TECNOLOGIE



Conclusioni

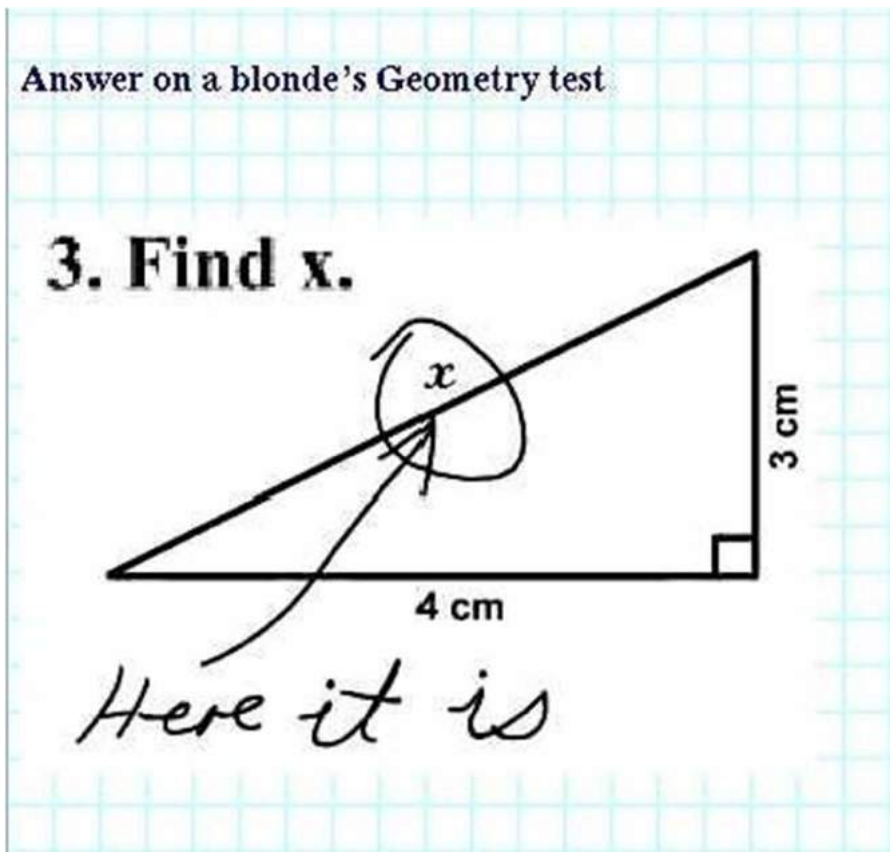
La frase più pericolosa in assoluto è:

"Abbiamo sempre fatto così".

Grace Murray Hopper



Vs.



GAP E NUOVE TECNOLOGIE

Conclusioni

Openess

“Quando soffia
il vento del cambiamento
alcuni costruiscono muri,
altri mulini a vento.”



Vs.

Fate il passo più
lungo delle gambe
e abbiate il coraggio
di lasciare nuove
impronte.

The Courage to Change

GAP E NUOVE TECNOLOGIE



**There are
no mistakes,
only opportunities**

TINA FEY



Linked in

Thank you

Roberto Mollica