

Digital health as a solution to mitigate or prevent medical deserts The "TreC" case in the Province of Trento, Italy



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Between challenges and opportunities

The "perfect storm" in public health

- Increase in healthcare costs
- Growing chronic disease burden
- Shortage of physicians / healthcare professionals
- Critical situation particularly evident in rural areas

New opportunities

Increase in [potential] use of technology

Requirements

- Strategy and planning
- Cross-contamination, public-driven approach

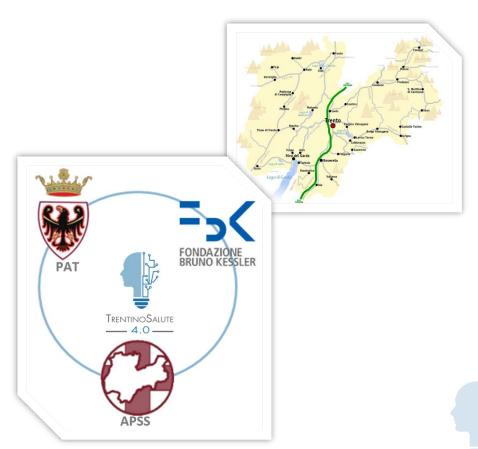


Digital health approach in the Province of Trento (IT)

Public-driven approach to promote digital health initiatives in the Province of Trento

TrentinoSalute4.0 as strategical alliance among:

- the Autonomous Province of Trento (PAT) as decision/policy-maker;
- the local Healthcare Trust (APSS) as health service provider
- the Bruno Kessler Foundation (FBK) as internationally-known research institute in the area of technological innovation



One system, one platform, multiple e-health services

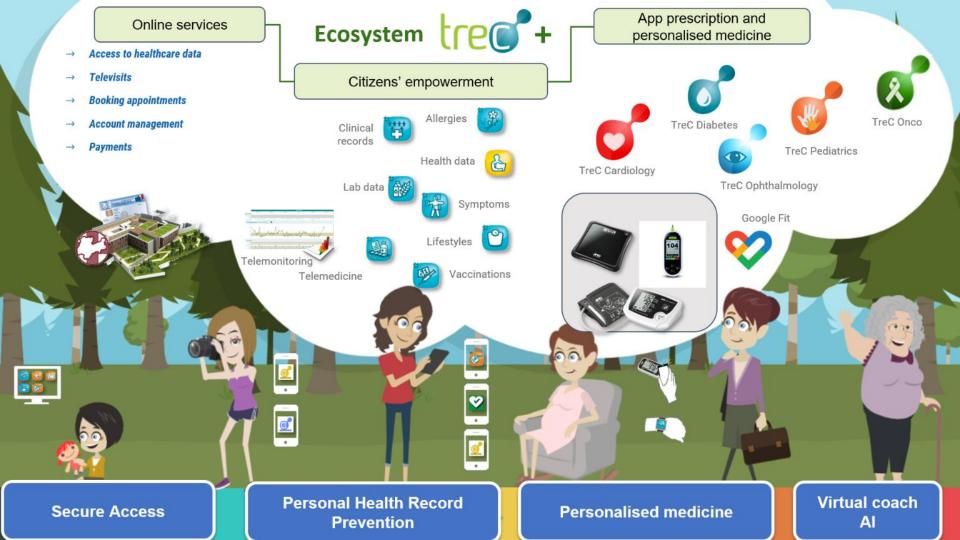
TreC (Cartella Clinica del Cittadino / Citizens Clinical Record) as a unique digital health platform

Web Portal: 240.000 users

Mobile App: 100.000 users

Note: almost the 50% of the population (age>=18 y.o.) in the Province of Trento uses TreC as a tool for interacting with the provincial Healthcare System





TreC platforms





Mobile App for patients

- Incorporating recommendations and virtual coach assistance
- Enabling to record in a mobile diary disease and health-related information
- Enabling and facilitating contacts (chat, tele-visits)

Medical dashboard

 Enabling telemedicine interventions (including remote-control and monitoring of patients' status)

App is prescribed as standard part of the routine practice



Promoting a personalized patient-centered approach





tasks' reminders

periodical questionnaires

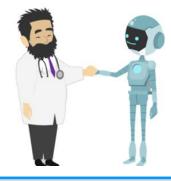
therapeutic adherence

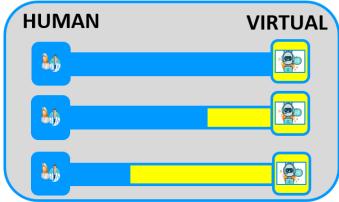
Promoting a (tech-enabled) stepped care approach

High complexity

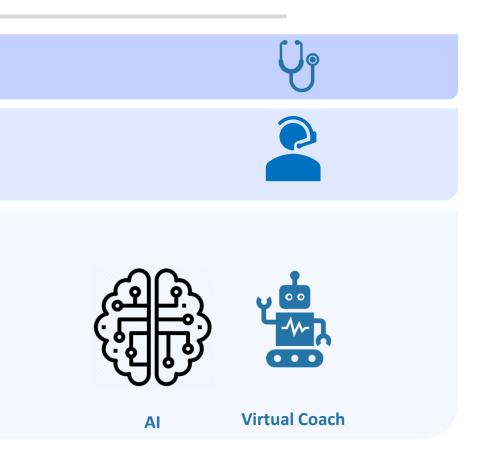


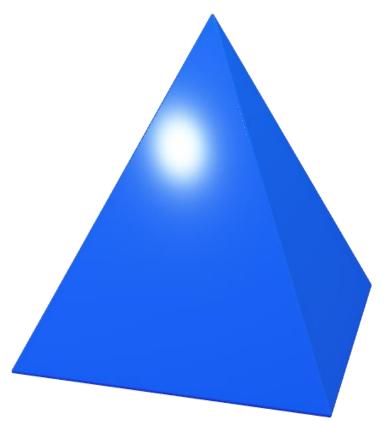
Low complexity





Toward an (AI/tech-enabled) healthcare model





Thank you

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