



REPUBLIC OF SLOVENIA
MINISTRY OF ECONOMIC DEVELOPMENT
AND TECHNOLOGY



Slovenian Innovation Hub



Slovenian Research and Innovation Partnership HEALTH – MEDICINE & mobile health management

Advanced ICT tools & advanced healthcare services for
empowered and responsible patients

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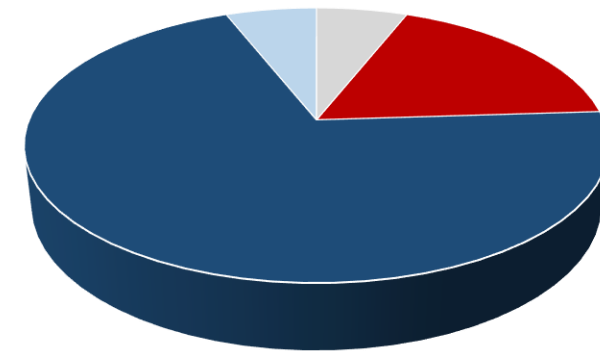
Contact information: www.sis-egiz.eu , www.sripzdravje-medicina.si

Strategic Research Innovation Partnership Health – Medicine is dedicated to achieving Strategy's goals and in collaboration with other stakeholders contribute to:

- Connecting the creative and ambitious to improve healthcare and create higher value added,
- identifying new business opportunities, promising technologies and big projects,
- creating opportunities for new projects,
- supporting the stars of tomorrow,
- trying to identify future competences and skills,
- influencing legislation.



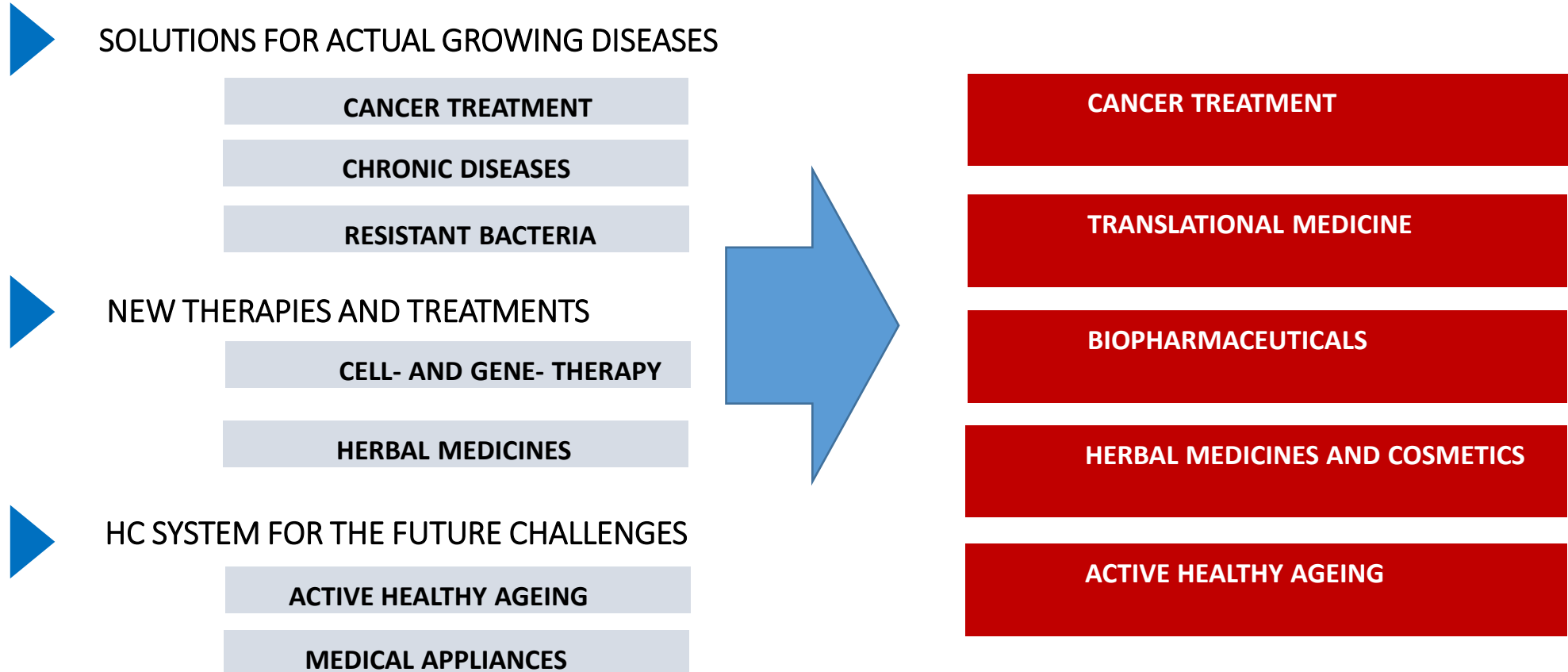
51 partners from quadruple helix



■ Education ■ R&D ■ Business ■ NGO



ADDRESSING PARTNERS' PRIORITY CHALLENGES (also by implementing AI and KET)



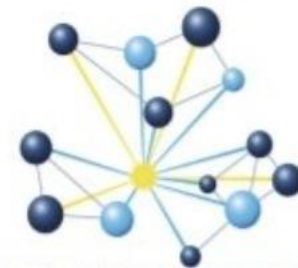
GOOD INTERNATIONAL COLLABORATION IN INTERNATIONAL NETWORKS SUPPORTING THE INNOVATION TRANSFER TO THE MARKET

Membership in supercluster
Twin International Multihelix



SIH EEIG a member of S3P4PM
Personalized Medicine Platform

<https://s3platform.jrc.ec.europa.eu/personalised-medicine>



VANGUARD INITIATIVE
New growth through smart specialisation

SMART HEALTH pilot project
MOBILE HEALTH
(R)EVOLUTION



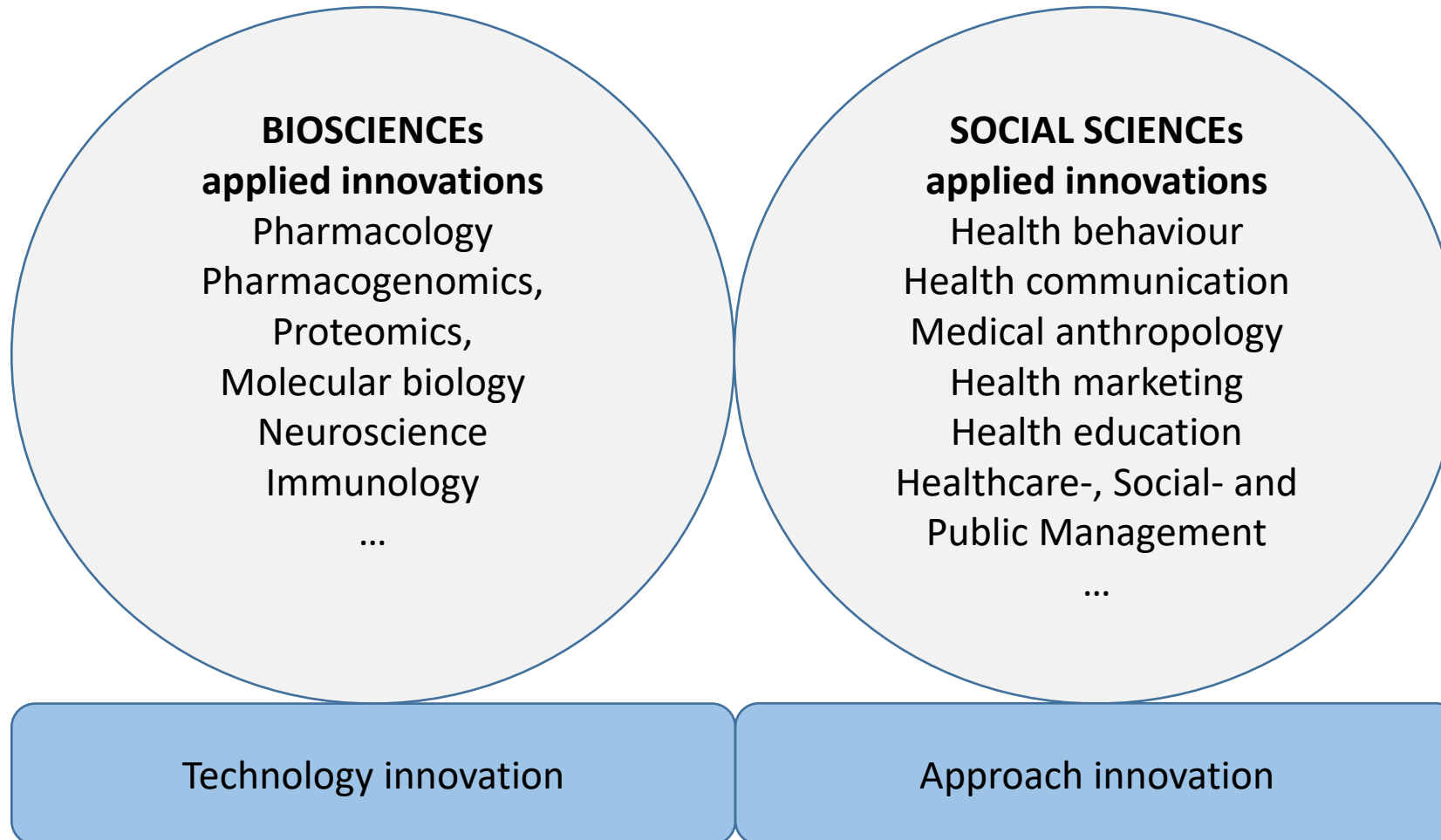
HealthChain



PARTNERS IN EU PROJECTS



The health coin has two sides!

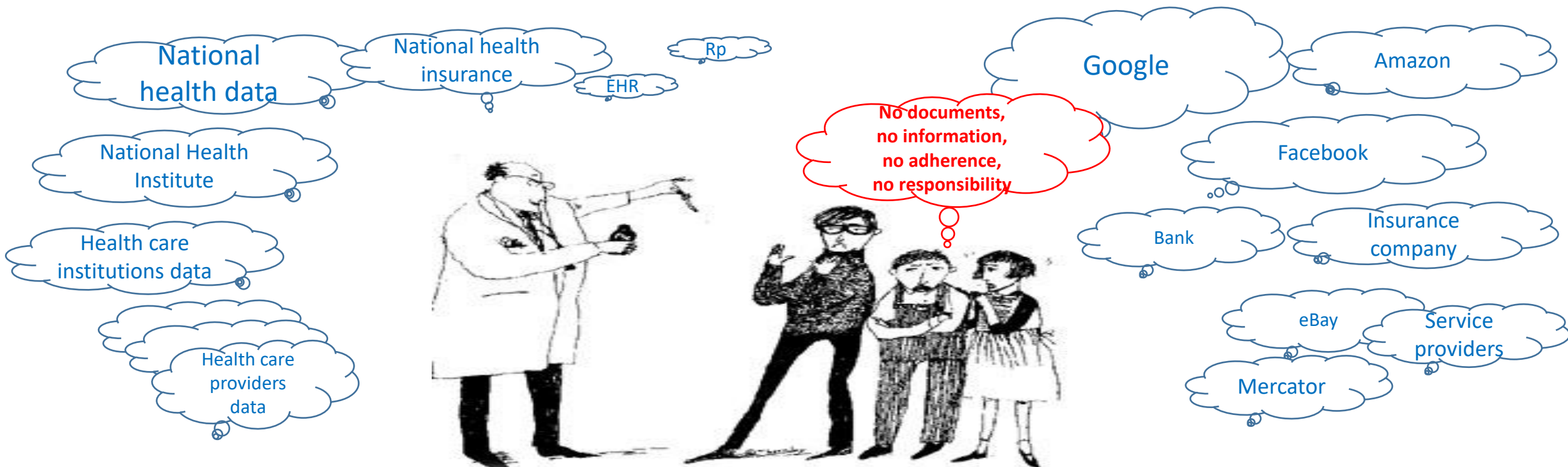


No Personal health without individual, integrated, holistic approach

- | | | |
|--|---|--|
| <p>4P</p> <ol style="list-style-type: none"> 1. predictive, 2. preventive, 3. personalized 4. participatory | + | <p>?# P</p> <ol style="list-style-type: none"> 1.Product - service 2.Price 3.Place 4.Promotion 5.People 6.Process 7.Physical Evidence 8. Privacy 9.Personal Interest 10. Personal Social Networks 11. Public Commentary 12. Personalization 13. Participation 14. Peer to Peer 15. Predictive Modeling |
|--|---|--|

Health is a state of complete physical, mental and social well-being – WHO

Historic asymmetry of knowledge and access to information in healthcare and elsewhere



Physical health, mental health, psychologic profile, biometric or genetic profile, health documents, lifestyle, family data, health documents

No health!

Everybody else has more information about me!?

Life style, social status, wealth status, economic power, consumer habits, where I go, what I do, what I eat & drink, sex habits, social relations



Patient's empowerment and adherence
competences x motivation =

$$0 \times 10 = 0$$

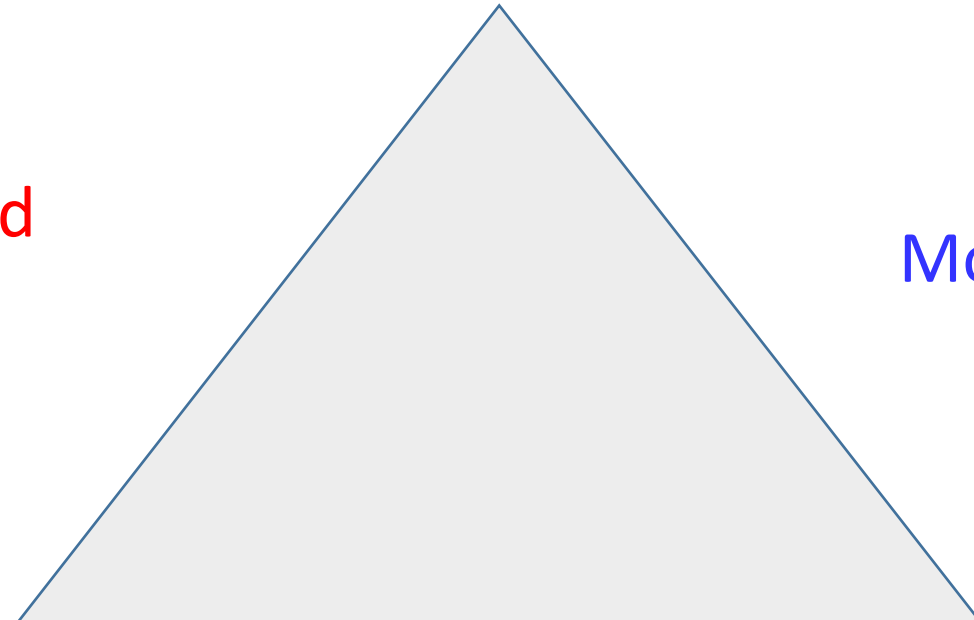
$$10 \times 0 = 0$$

$$10 \times 10 = 100$$

Knowledge and
competences

Motivation

Information and data



It's high time that the patient becomes the real owner and manager of his/her own (health) data

All data in one place, complete, comprehensive, accurate, reliable healthcare documents and health history ... owned and managed by the patient



Safe, accessible, easy to manage, private, controllable, portable, with consent, transferable, interoperable, anonymized

Empowered patient => responsible, proactive patient
By using Mobile Health Record

Healthcare challenges and opportunities related to relationships and IT & communication tools

Top healthcare challenges:

- Patient empowerment & adherence
(only 50% , EU costs EUR 125 bn/yr)
- Lack of HC capacities (EU wide challenge)
- HC funding deficit (global issue)
- HC administration load (low level of informatization in healthcare)
- Unused competences and capacities (undiscovered pharmacists' competences and capacities)
- Trust and reputation

Opportunities through social innovation and modern technologies:

- patient empowerment
- HC marketing - social innovation practices
- New HC services, approaches and team work
- Improved HC capacities use
- HC productivity

Added value of mobile health management in all phases of HC process

Prevention

Health & ICT empowerment
Early patient / problem identification

Diagnosis

Personalized medicine - diagnosis,
medication; pharmacogenetic testing

Disease Management

Proactive, patient centered
medication and disease
management

Outcomes

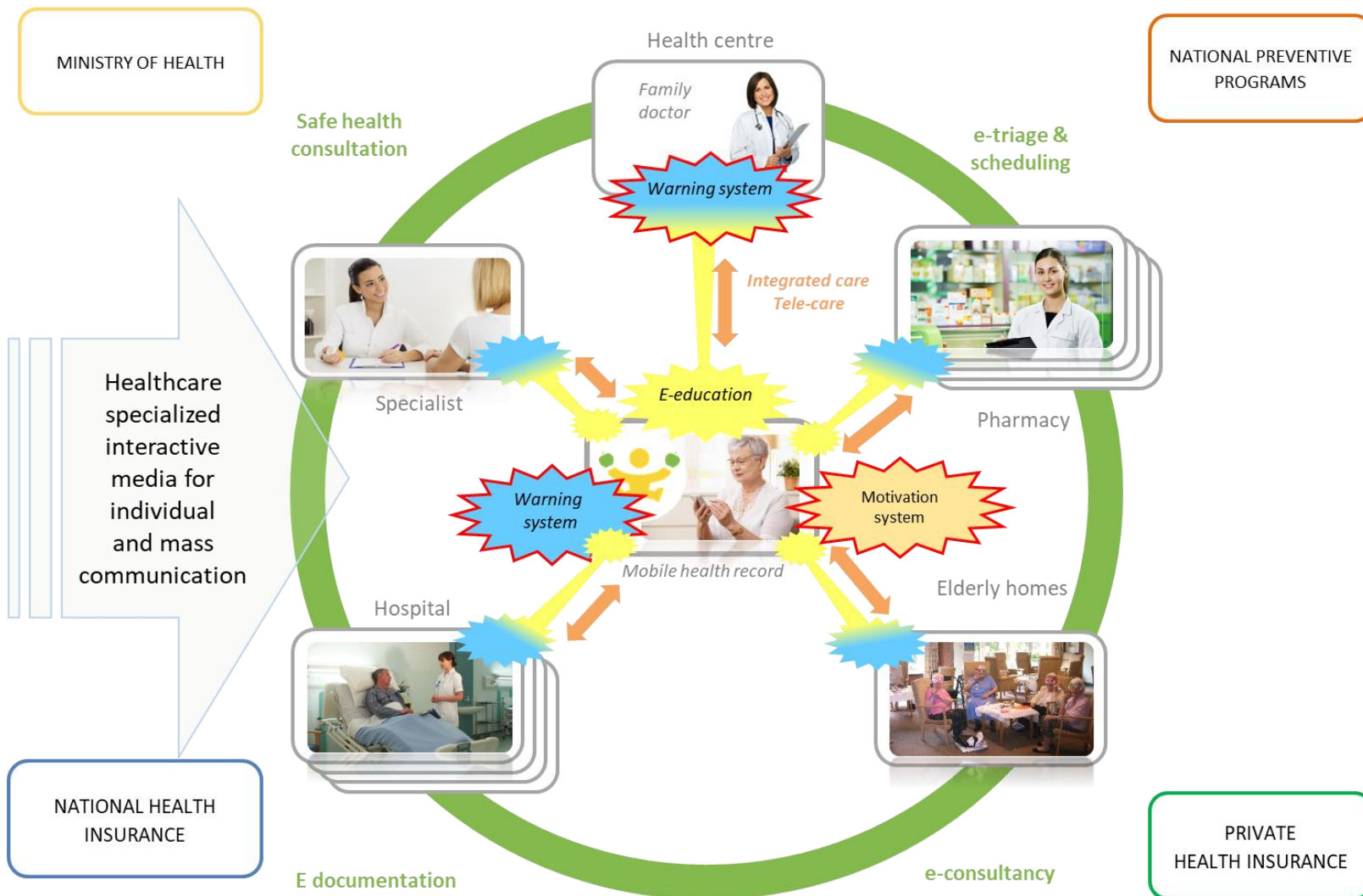
Outcomes measurement -
evidence based medicine &
system learning

Primary, secondary medicine, all specializations, including occupational medicine

Health Lord system supports several functionalities

- **Active triage:** proactive, systematical, communication and direction of patients in HC system, combining remote (artificial intelligence) and personal approach
- **E informing, E education, E training:** use of proactive media and targeted approach, personalized communication (intensity, content, frequency) in prevention, treatment of chronic disease
- **E safe communication and teamwork:** Individual & mass, interactive and safe communication and document transfer among healthcare stakeholders (all directions) connected health
- **Telemedicine/telepharmacy - remote health, disease monitoring & management**
- **Personalized & patient centered care:** integrated care
- **Health marketing measures:** multidisciplinary approach to achieve health targets
- **Patients relationship system (CRM):** identification, target group, segmentation, personalization, connected health
- **Service suppliers relationship management (SRM)** related to quality, accessibility, ...

Communication and information technology enables teamwork, increase of efficacy, quality and safety of healthcare services



Powered by


HealthLORD
 GOSPODAR ZDRAVJA



Wide experience in national and EU Horizon and other types of projects

Currently running:

- SafePolyMed
- Health chain

We are looking for new international business partnerships to ensure advanced ICT & HC solutions in EU countries - now

Thank you