



# PERSONALISED MEDICINE FOCUSING ON CITIZENS' HEALTH

## PERSONALISED MEDICINE

taylor-made prevention, diagnosis and treatment for individuals or groups of individuals

### Enabling

HEALTHIER, MORE PRODUCTIVE LIVES



## Significant EU investments in research on personalised medicine to

### TREAT PATIENTS WITH THE THERAPIES THAT WORK BEST FOR THEM

many common medicines are not effective for many patients

### CUT HEALTHCARE COSTS

as Europe's population ages and chronic diseases become more prevalent



### DRIVE HEALTHCARE INNOVATION

Establish Europe as a global leader in healthcare industry and innovation, and create jobs and economic growth



### AVOID ADVERSE REACTIONS TO MEDICINES

6% of acute hospital admissions are due to serious adverse reactions to medicines

## Research and innovation investment in better health

Personalised medicine integrates information **from multiple sources** to make **HEALTHCARE SMARTER, BETTER AND MORE COST-EFFICIENT.**



### 7<sup>th</sup> Framework Programme 2007–2013

209 projects on personalised medicine



€1334 million in EU funding.

### Horizon 2020 First 3 years 2014-2017

167 projects on personalised medicine



€872 million in EU funding

## What is our strategy?

EU funding stimulates collaborations between researchers, health research funders, regions, countries, policymakers and other stakeholders



### PROMOTE PERSONALISED HEALTH AND CARE RESEARCH



**develop a medical model using individuals' genotypes and phenotypes**  
for example molecular profiling, medical imaging, and lifestyle data



**empower patients and involve healthcare providers**

## Strengthen Europe's healthcare industry

### INNOVATIVE MEDICINES INITIATIVE

public-private partnership to develop better and safer medicines



### SME SUPPORT

about 20% of Horizon 2020's budget to encourage highly innovative SMEs



### BETTER ACCESS TO LOANS

between €7.5m - €75m through the InnovFin Infectious Diseases initiative

## Develop EU countries' health research and innovation strategies

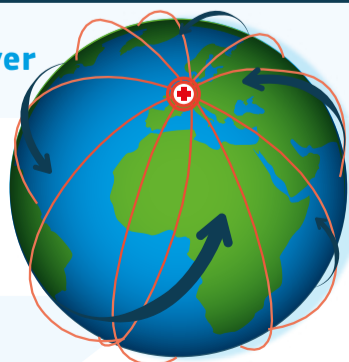
SUPPORT **EUROPEAN COORDINATION** IN HEALTH AND DISEASE RESEARCH  
create synergies



## Make the EU a stronger global player



**COOPERATION SCHEMES**  
with Canada, China, Australia, US and others to implement objectives such as common guidelines and best practices



**INTERNATIONAL ENGAGEMENTS**  
science diplomacy and global scientific collaboration

MORE INFORMATION:

<https://ec.europa.eu/research/health/personalised>

[www.icpermed.eu](http://www.icpermed.eu)

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