



Horizon 2020 New Opportunities for Clinical Research in Europe

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HORIZON 2020

FP7 'Health' – Building on experience

- 1,000 projects
- 11,000 teams
- 3,500 organisations
- 130 countries
- €6 billion EU investment



Moving on to the next level - Horizon 2020



**The EU's 2014-20 programme
for research and innovation**

**A core part of Europe 2020,
Innovation Union &
European Research Area**

- Responding to the economic crisis to invest in future jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology

Three priorities

- Leadership in enabling and industrial technologies
- Access to risk finance
- Innovation in SMEs



- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska-Curie actions
- Research infrastructures

- **Health, demographic change and wellbeing**
- Food security, sustainable agriculture and forestry, marine and inland water research and the Bio economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, environment, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Secure societies
- Science with and for society
- Spreading excellence and widening participation



The challenge

- Ageing population
- Increased disease burden
- Health and care sector under pressure to reform



The direction

- Translate science into better health outcomes
- A competitive health and care sector
- New health and care models and tools
- Healthy and active ageing

A new approach



**Research and innovation:
From bench to bedside**

**From vertical themes to
horizontal challenges**

**Broad, less prescriptive, 2-
year work programme**

Stronger focus on end users

Work Programme 2014/15



- 2014 calls for proposals: stage 1 closed on 11 March, single-stage deadline 14 April!
- € 1,2 billion of EU funding for health research and innovation
- 34 'personalising health and care' topics
- 16 'co-ordination activities' topics
- Two 'inducement prizes'

'Clinical trials/clinical studies' topics in WP 2014/2015

- PHC 5 – 2014: Health promotion and disease prevention: translating 'omics' into stratified approaches
- PHC 6 – 2014: Evaluating existing screening and prevention programmes
- PHC 12 – 2014/2015: Clinical validation of biomarkers and/or diagnostic medical devices (SME instrument!)
- PHC 13 – 2014: New therapies for chronic non-communicable diseases
- PHC 14 – 2015: New therapies for rare diseases

'Clinical trials/clinical studies' topics in WP 2014/2015

- PHC 15 – 2014/2015: Clinical research on regenerative medicine
- PHC 17 – 2014: Comparing the effectiveness of existing healthcare interventions in the elderly
- PHC 18 – 2015: Establishing effectiveness of health care interventions in the paediatric population
- PHC 23 – 2014: Developing and comparing new models for safe and efficient, prevention-oriented health and care
- HCO 5 – 2014: Global Alliance for Chronic Diseases: prevention and treatment of type 2 diabetes

SMEs welcome!

- Some **20% of the total budget** for societal challenges/LEITs to go to SMEs
- **Simplification** – a great benefit
- **'Access to risk finance'** with strong SME focus (debt and equity facility)
- **New SME instrument**



Focus on clinical trials

Patients
Health Care
Hospitals
Physicians
Clinical
Services

- **Essential** if we are to innovate more
- **Needed:** more + more professional academic clinical trials
- 2014/15: **Over €300 million** of funding earmarked for clinical trials
- Focus on **comparative effectiveness** will help drive down health and care costs

Getting you started faster

- **A single set of simpler and more coherent participation rules**
- **Just 2 funding rates (70% or 100%)**
- **Single flat rate (25%)** for overhead or 'indirect costs'
- **Simpler financial regulation** to come
- **8 months time-to-grant target**

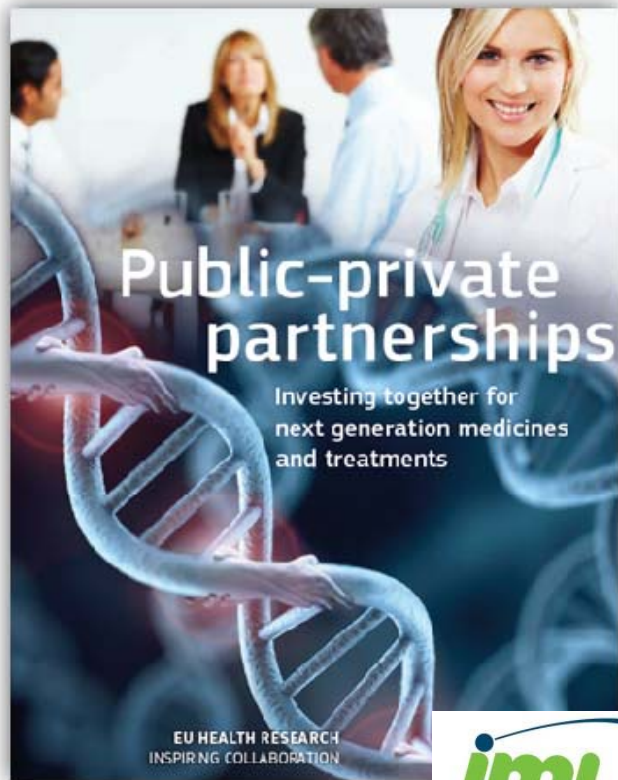


Wanted: international cooperation

- **A priority**
- **Key goal: more and better international cooperation**
- **Horizon 2020 is open to participation from across the world**
- **Targeted actions across the entire programme**
- **Horizon 2020 Regulation and Rules for Participation apply**
- **Participants from USA can be funded in SC1 (but not other SCs)**

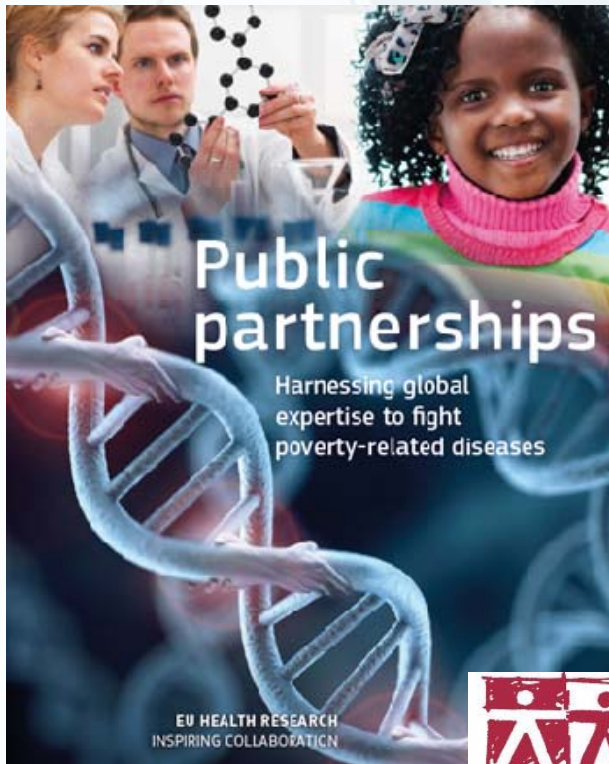


Innovative Medicines Initiative 2



- 3.27 billion EUR, equally shared between public and private partners
- For breakthrough vaccines, medicines and treatments
- Including clinical trials (all phases)!
- For top quality research and innovation with great public health benefits and commercial possibilities

EDCTP 2



- Broader scope: including neglected infectious diseases, all clinical phases, diagnostics and delivery optimisation
- Funding for phase I to phase IV clinical trials
- More EU co-funding: almost 700 million EUR
- Longer duration: 10 years

Learn more & take part!

Patients
Health Care
Hospital
Physician
Clinical Res
Service Pro



<http://ec.europa.eu/programmes/horizon2020>



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**Thank you
for your attention!**

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Electronic Health Records for Clinical Research