

Innovation for health system transformation

Barbara Kerstiēns

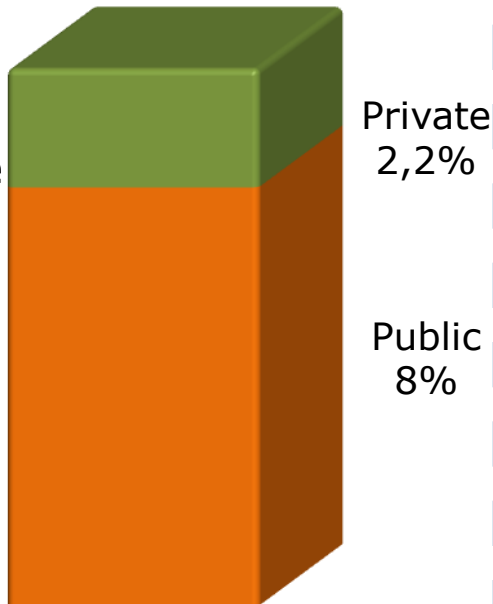
**Head of sector Public Health
Health Research
Research & Innovation DG
European Commission**

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for Inclusive Growth in Europe"**

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The European Health Sector – Health systems

Healthcare expenditure on GDP, in the EU: 10.2% of GDP (2009)



- **Health and social work accounts for 10% of overall employment;**
 - **Health contributes to overall employability by enhancing the productivity of the workforce and offering quality jobs;**
- and**
- **Health investments serve as an effective safeguard against poverty**

Health systems under stress

- **Health spending is growing at a faster pace than GDP**
 - Driven by: ageing population; increasing patients expectations and demands on health care...
- **Health inequalities are rising**

=> need for **transformation** to ensure cost effectiveness & sustainability and access to high quality healthcare

Health System Transformation

Wanted:

- Through better health promotion and disease prevention, fewer 'chronic patients'
- Simpler, more personalised and cost-effective technologies and treatments
- Integrated and patient-centred services
- Safety, quality and continuum of care
- Diverse and skilled health workforce



**Investing now in
the right research
will pay off**

Health systems – opportunities for innovation

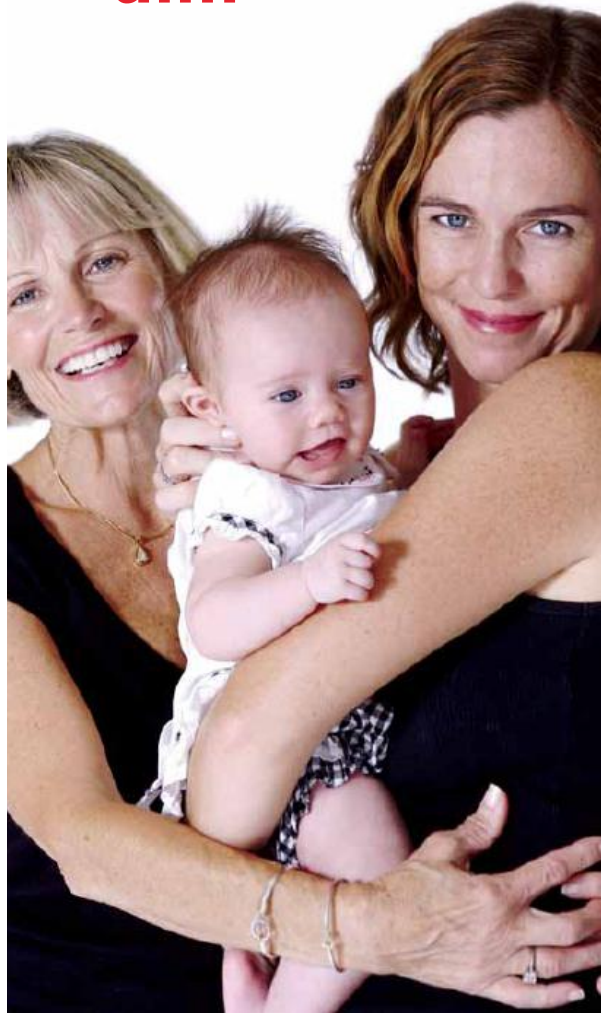
- **Sector with high potential of innovation and competitiveness:**
 - Highly specialised labour force
 - Innovation-driven sub-sectors: pharmaceuticals, medical devices, equipment ...
 - E-health
- **Can capitalise on innovations from other sectors (ICT, nanotechnology...)**
- **Should engage with the empowered citizen**

Opportunities for innovation: The 'Horizon 2020' research and innovation framework programme

Three priorities



Health, Demographic change and wellbeing - aim



- **Translate science to benefit citizens**
- **Test and demonstrate new healthcare models, approaches and tools**
- **Promote healthy and active ageing**
- **Improve health outcomes, reduce inequalities**
- **Support a competitive health sector**

General approach to the implementation of the Health challenge

- **EU added value, capitalising on its diversity of (health) systems**
- **Cooperation between excellent, multidisciplinary and multi-sector teams proposing how to address the challenges**
- **Involvement of patient organisations, policy makers and other end users**
- **Partnerships (public-public, public-private) & international collaboration**
- **Support to the full spectrum of research, development and innovation**

Integrated approach to address key research challenges

Breaking barriers & speaking the same language – European added value

Multi-discipline & inter-sectoral approaches;
capacity building;
international collaboration

Generating knowledge & developing the right tools

Standard development;
adaptation of tools; robust methodology; data collection & better use of health data

Translating knowledge to policy and practice

Coproduction; scientific tools/methods; policy briefs; communication & knowledge brokering

Understanding the value & economic aspects

Pilots; HTA; Comparative Effectiveness Research; cost effectiveness of approaches/interventions; health outcomes



Horizon 2020 – Health Theme – Importance of innovation also in research

- **Managing the cultural shift from research to research and innovation.**
- **Implementing innovation requires a "mind-set" change of all stakeholders involved, notably in academia.**
- **There is also a need to promote an entrepreneurship culture**
- **More and better information on innovative approaches, strengthening of trust between "providers and users" as well as education and training of healthcare practitioners enabling the wider application of innovation.**

More information on Horizon 2020

http://ec.europa.eu/research/horizon2020/index_en.cfm

<http://ec.europa.eu/research/participants/portal/page/home>

http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=h2020-documents



Thank you

barbara.kerstiens@ec.europa.eu

<http://ec.europa.eu/research/health>