

Addressing public health and chronic diseases – the contribution of Research



Health Directorate
DG Research & Innovation
European Commission

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Research and Innovation



Overview

- The challenge posed by chronic diseases
- Research across the continuum
- Results ready for uptake
- The importance of partnerships
- Towards a health systems and services research agenda





The burden

Chronic non-communicable diseases (NCDs) cause 86% of all deaths in Europe

20 – 40% of the EU population aged ≥ 15 years report a longstanding health problem

1/4 currently receives medical long-term treatment

2/3 of those at pensionable age have ≥ 2 chronic conditions

Chronic care accounts for 70-80% of European health care costs (€700 billion)





Working on a continuum

- Better understanding of disease
- Health promotion and disease prevention
- Diagnostics & therapeutics
- Health policy research
- Implementation research







Health promotion and disease prevention



On-line profiler for dementia



Created an online profiler to be filled out by a patient in their 40's and 50's at a doctor's office.

http://www.inmindd.eu/

The patient receives a LIBRA (lifestyle for brain health) score and a personalised plan how to prevent dementia through a healthy lifestyle.







EuroFIT health promotion programme for football fans



http://eurofitfp7.eu/



an innovative programme with 15 champion league football club to inspire low socio-economic middle-aged football fans to adopt healthy life-style (physical activity, nutrition)

volunteers have to upload their personal data, then if they correctly follow the program after 12 months they will lose five percent of their weight

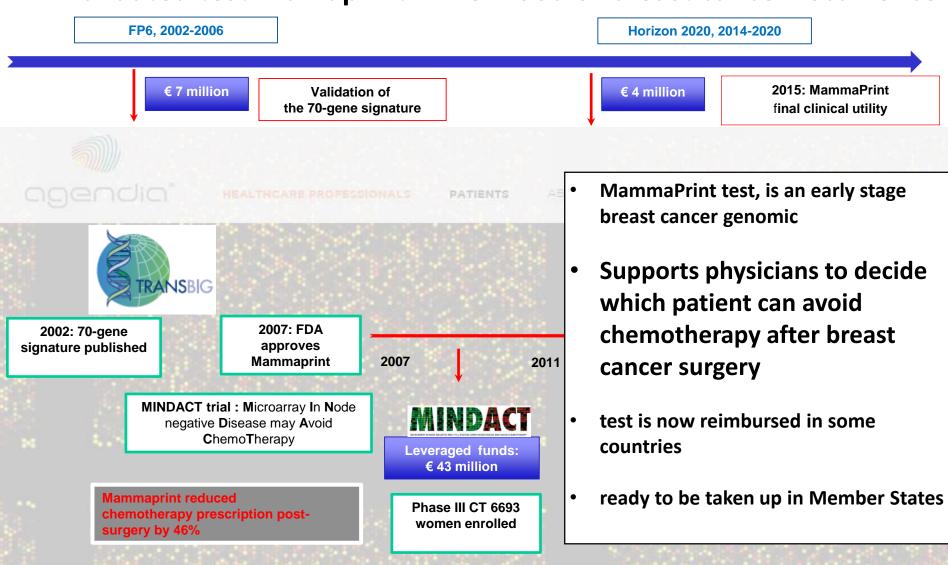
'EuroFIT approach' license

Rolling out EuroFIT approach: partnership with Portugal (Health ministry and Portuguese Football Federation)



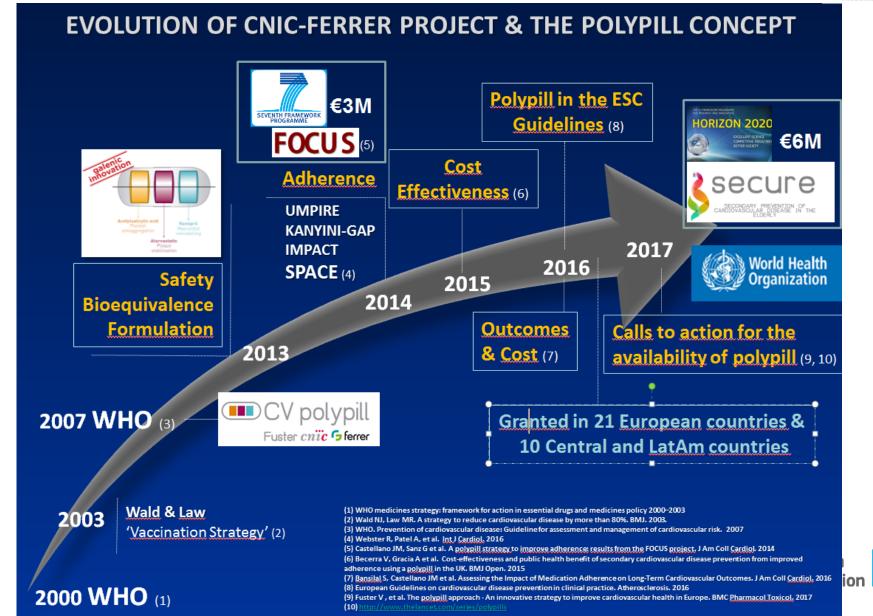


Validated test Mamaprint: Likelihood of breast cancer recurrence



The polypill - simplifying adherence and improving CVD management







Clinical guidelines for breast cancer screening





European Commission Initiative on Breast Cancer (ECIBC)

ECIBC is a person-centred initiative to improve breast cancer care. The JRC, with ECIBC, is developing the most up-to-date evidence-based recommendations on screening and diagnosis, with a platform of trustworthy guidelines for the whole care pathway.



DG RTD/Public Health Research





A tool for guideline development









DG SANTE/Public health



http://www.decide-collaboration.eu//http://ecibc.jrc.ec.europa.eu/

In progress



- 1. integrated care programs for persons with multi morbidity
- 2. cost-effective intervention program for diabetes





SELFIE aims to improve patient-centred care for patients with multi morbidity through researching the implementation of the integrated chronic care model within the social and health care systems



http://feel4diabetes-study.eu/

Feel4Diabetes aims to develop, implement and evaluate a scalable intervention program for vulnerable families to prevent type 2 diabetes across Europe communities and invite the parents to attend 'out of school' counselling sessions, in order to further support them in adopting a healthier lifestyle for them and their children.

Europear

In the pipeline



Grants will be signed this year:

- Scaling-up of evidence-based health interventions at population level for the prevention and management of hypertension and/or diabetes
- Novel patient centred approaches for survivorship, palliation and/or end of life care
- HTA research to support evidence based health care







The importance of partnerships



GACD





- Focus on low and middle income countries or in vulnerable populations in high income countries
- Generate expertise in implementation research & scaling up interventions in NCDs













14 Members so far



















TO REACH

Towards a Joint European Initiative: Health Systems and Services Research

- Umbrella initiative which will ensure funding and coordination of projects on health systems and services research in the future
- Implementation and transferability of innovative solutions & research new solutions able to respond to anticipated challenges.
- The program should be beneficial to at least three perspectives:
 - oa policy perspective, by helping decision makers to take the right direction.
 - oa funding perspective, to align limited resources and avoid duplication,
 - oa scientific perspective as it can help the EC, the Member States and the researchers to best incorporate this "delivery" element into translational research designs



