



Non-communicable diseases

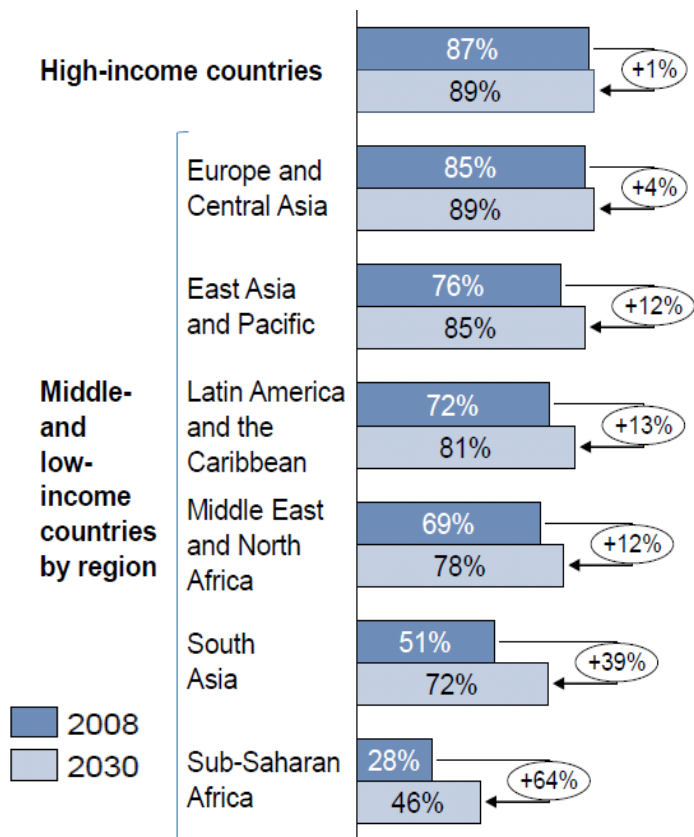
**Information Day, Brussels
8 July 2016**



**K. Berkouk, PhD
Deputy Head of Unit,
Non-Communicable Diseases
and the challenge of Healthy
Ageing, European Commission**

NCD

A Global challenge



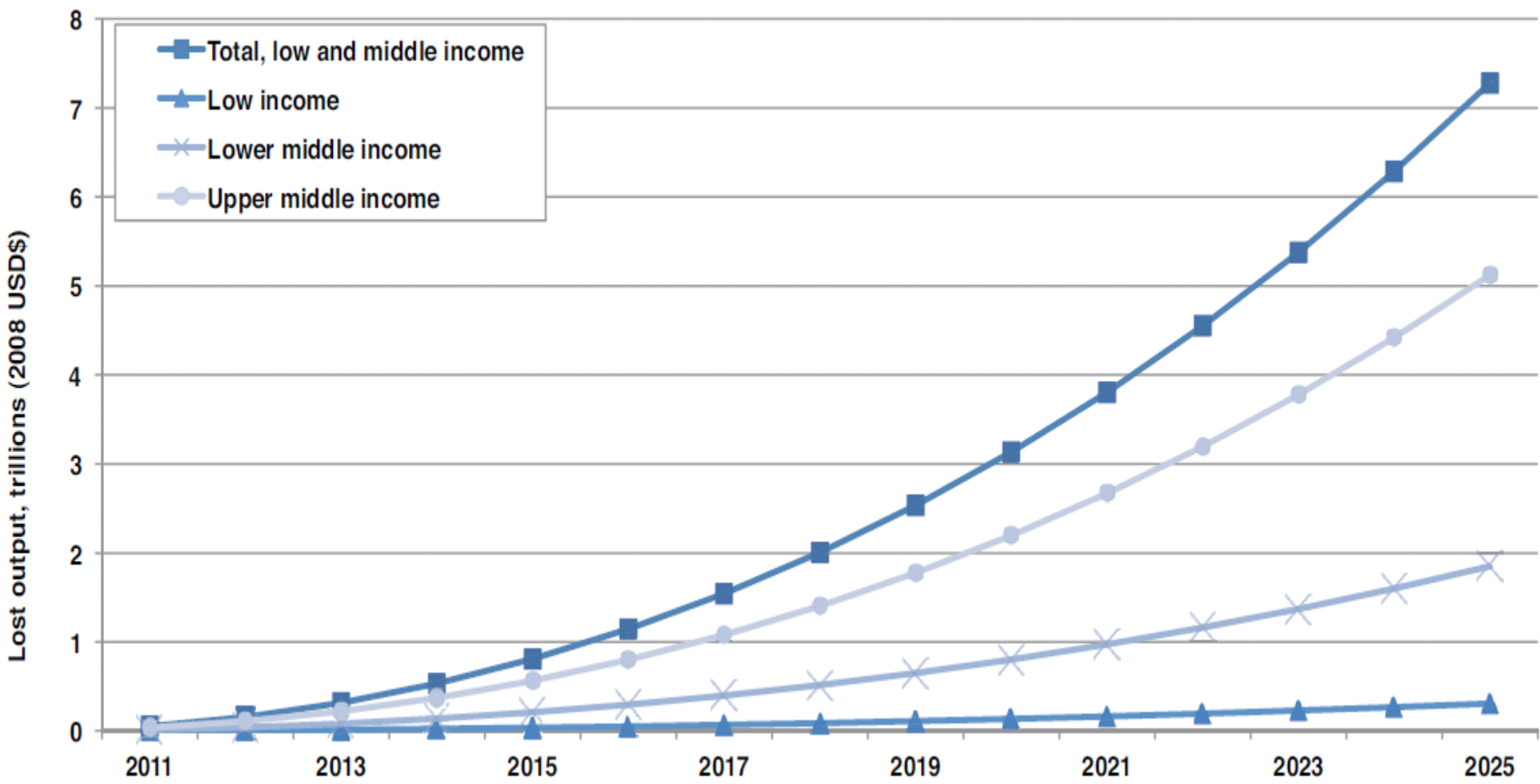
- Deaths due to NCDs are now higher in LMIC than HIC
- Ageing population also in LMIC
- High management costs of NCDs

Percentage of deaths due to NCDs

NCD An economic burden



Cumulative NCD Loss



World Economic Forum and Harvard School of Public Health (2011)

NCD challenges



Specificity

- Chronicity: life long lasting diseases
- Ageing population
- Behavioural changes



Pressure

- Health care system
- Access to care, including within country

Complexity

- Pathophysiology
- Environment
- Socio-economic
- Co-morbidity

Expanding

- A global health issue
- Forcing global poverty



Establish & Translate Personalised Medicine



Anticipate the demographic changes and the increase of NCDs



Build the European dimension in MS research activities



Collaborate with global funders

Key figures

3171 M€ invested

562 projects

7045 participations

2353 organisations

80 countries



First outcomes (on 334 closed projects)

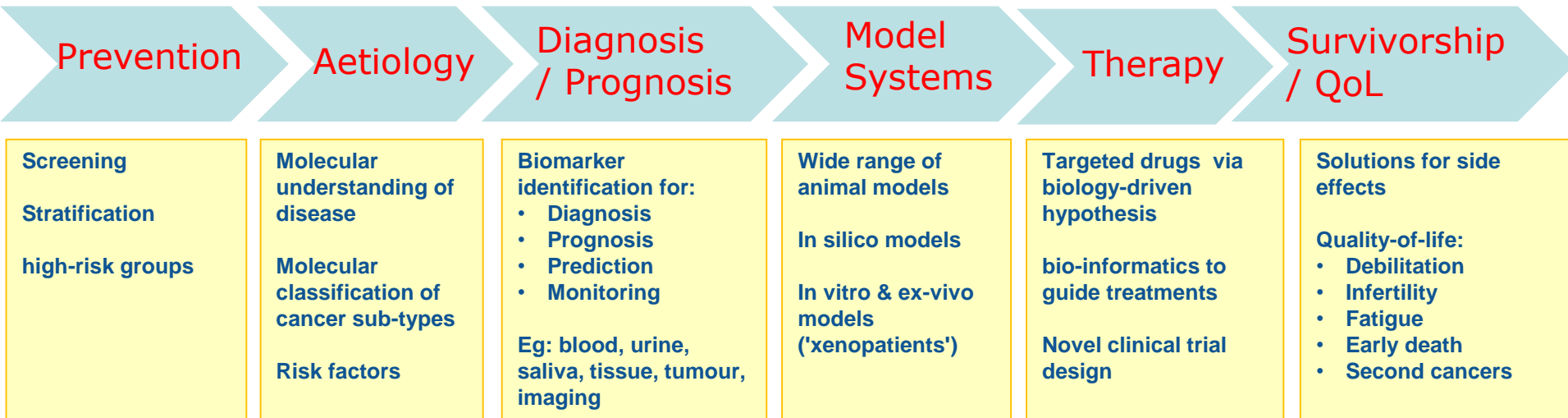
10673 publications

2,6 average SJR*
(average IF of **7.3**)

220 patent applications

32 spin-offs created

Comprehensive approach via personalised medicine Example of Cancer

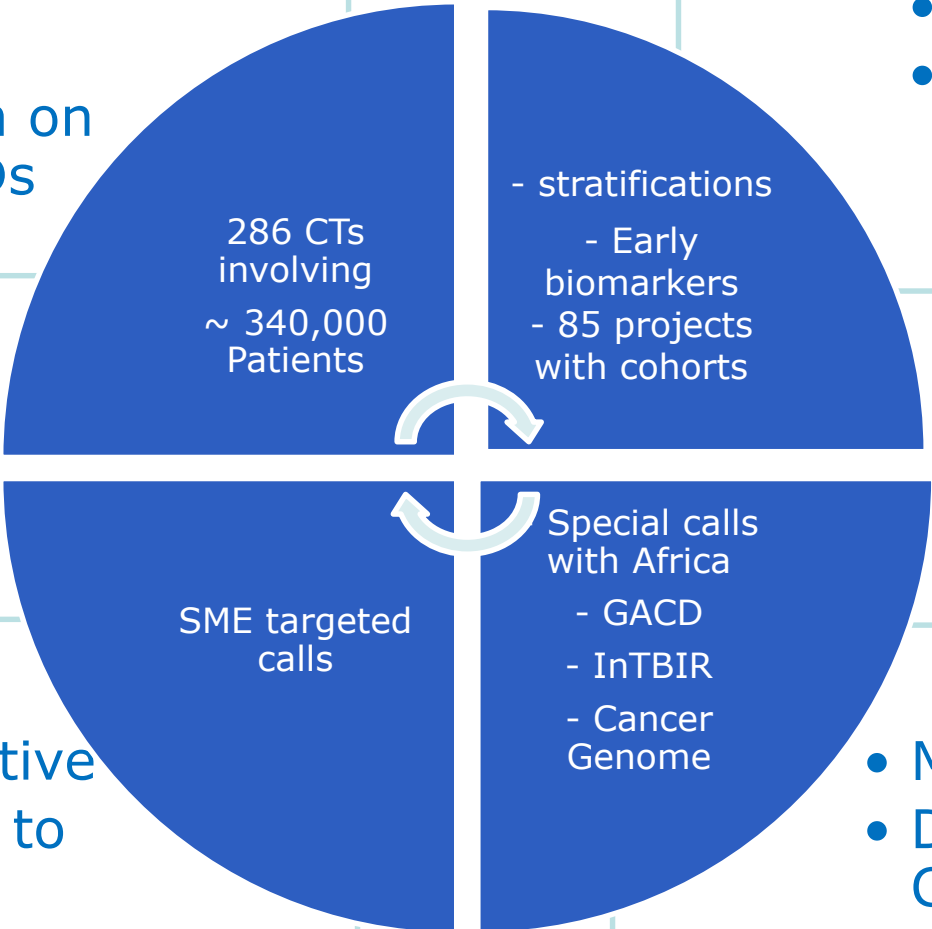


FP7: NCD main trends



- Closer to patients
- € 1,1 billion on CTs on NCDs

- More Cohorts
- € 565 Million



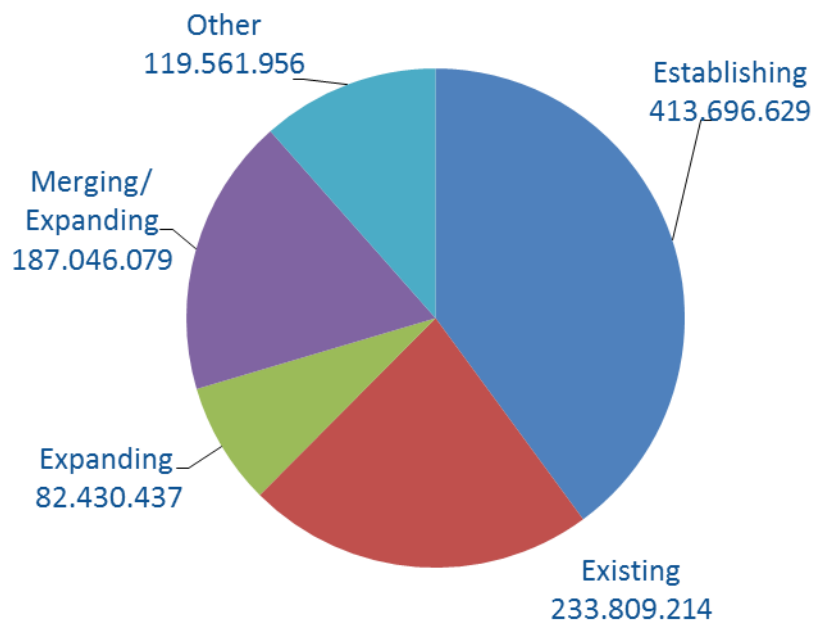
- More innovative
- €246 Million to SMEs

- More global
- Diabetes, Lung, Cancer, Brain

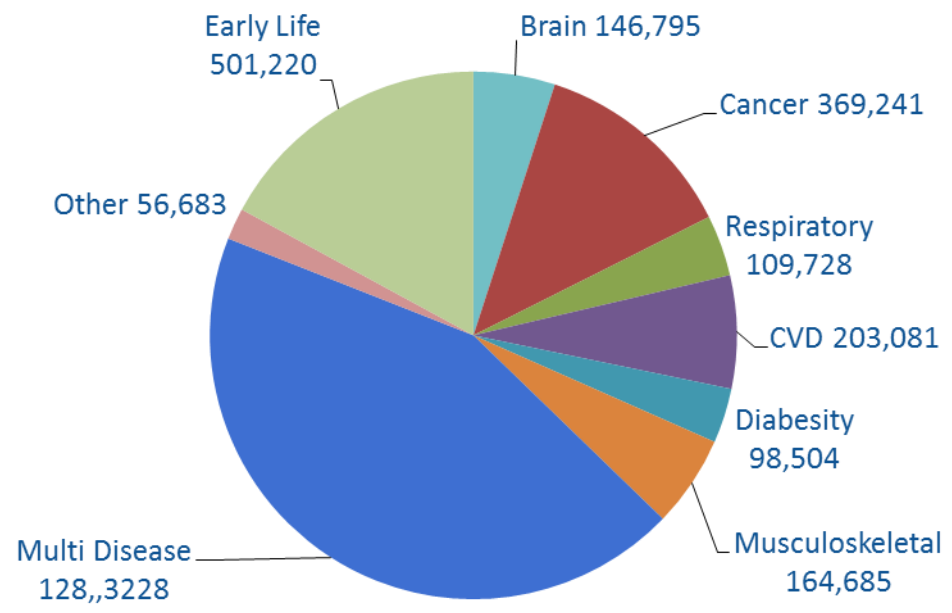
NCD Cohorts



266 projects, > € 1 billion
55 collaborative projects ~ 3 million subjects



All FP7

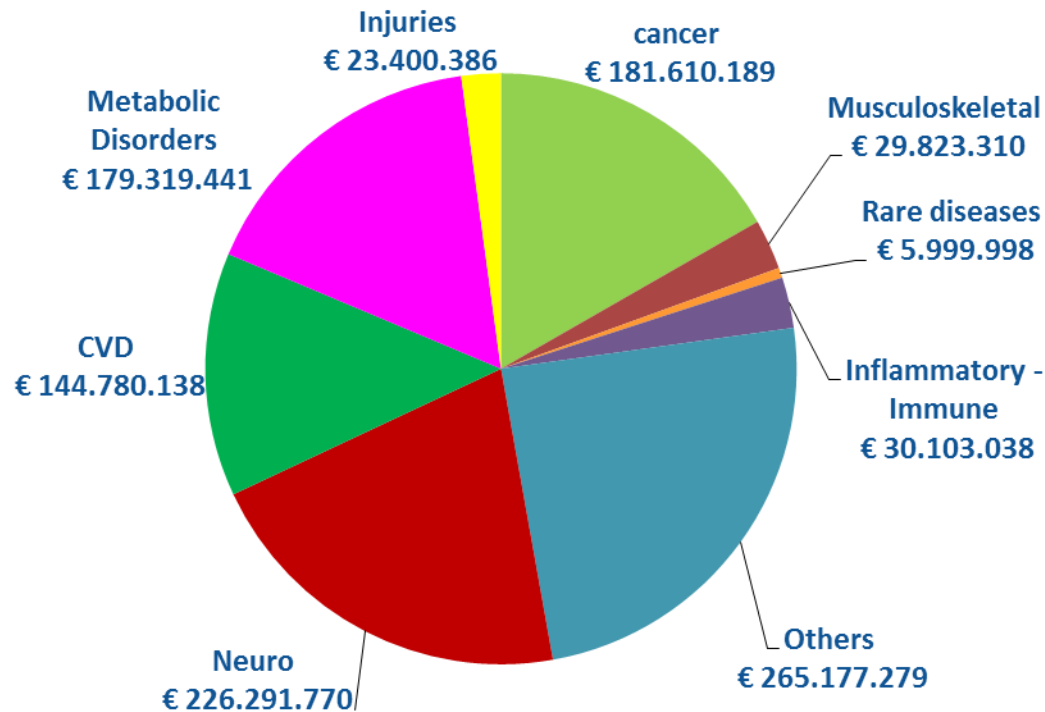


FP7: Health Programme
Number of subjects in 55 projects

NCD Clinical Trials



> 340,000 patients recruited
165 Projects, 286 CTs , € 1.1 billion



CTs per Medical Areas



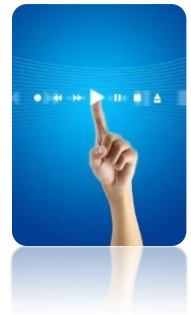
Phase I : 16%
Phase I/II : 23 %
Phase II : 21%
Phase II/III : 5 %
Phase III : 6 %
Phase IV : 1 %
Interventional Study: 17 %

More opportunities for collaboration ahead

Examples of topics:



- *Understanding Health, Well-being and Disease*
 - **SC1-PM-02-2017: New concepts in patient stratification**
- *Treating and Managing Diseases*
 - **SC1-PM-10–2017: Comparing the effectiveness of existing healthcare interventions in the adult population**
- *Methods and Data*
 - **SC1-PM-17–2017: Personalised computer models and in-silico systems for well-being**



Global Alliance for Chronic Diseases

- Implement evidence-based knowledge of best healthcare interventions targeted to the different populations, geographical settings and socioeconomic contexts
- Fill the gap between providing the evidence base for policy and the actual implementation of the policy in real settings
- Focus on low and middle income countries or in vulnerable populations in high income countries



GACD Members



National Health and Medical Research Council



Canadian Institutes of Health Research



Chinese Academy of Medical Sciences & Chinese Academy of Sciences



Indian Council of Medical Research



South African Medical Research Council



Medical Research Council



National Institutes of Health



European Commission, Health Directorate at Research & Innovation DG



National Institute of Medical Sciences and Nutrition Salvador Zubirán

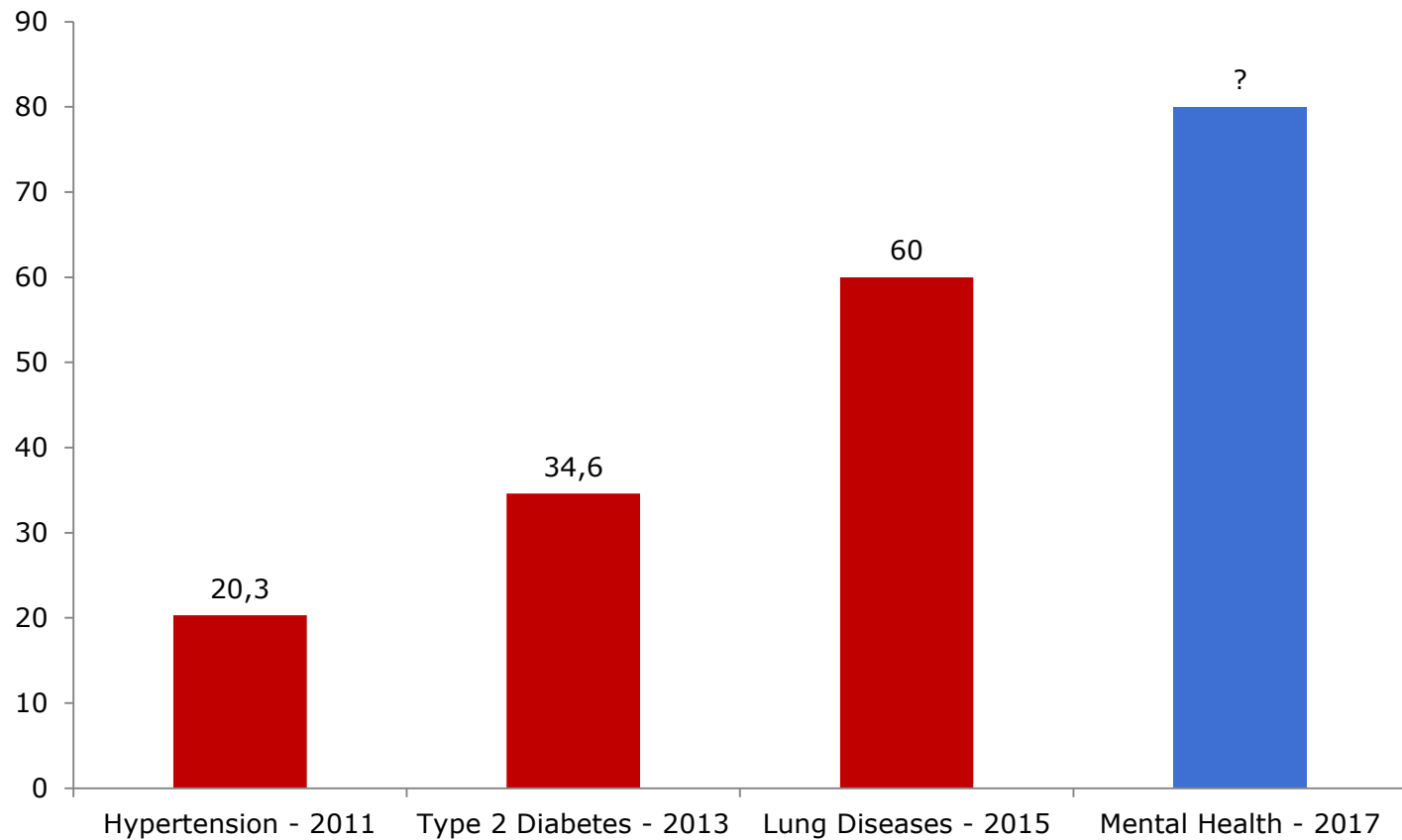


Ministry of Science (MINCYT)

GACD Funding so far



Fund (€Million)





Thank you for your attention!