



#InvestEUresearch



Horizon 2020 Work Programme for Research & Innovation 2018-2020

Population cohorts

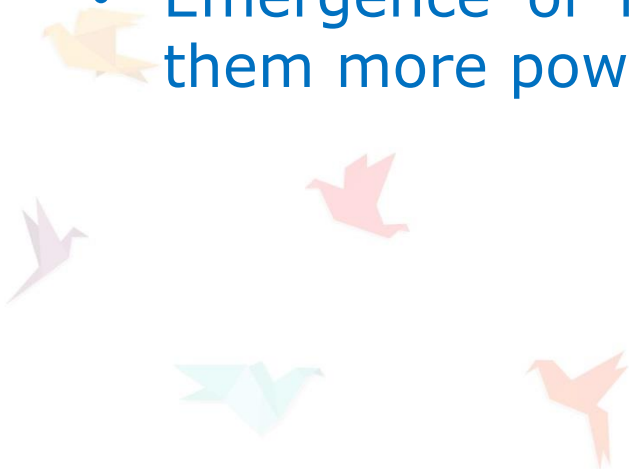
Karim Berkouk, Deputy Head of Unit
Health Directorate
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European Commission

Research and
Innovation



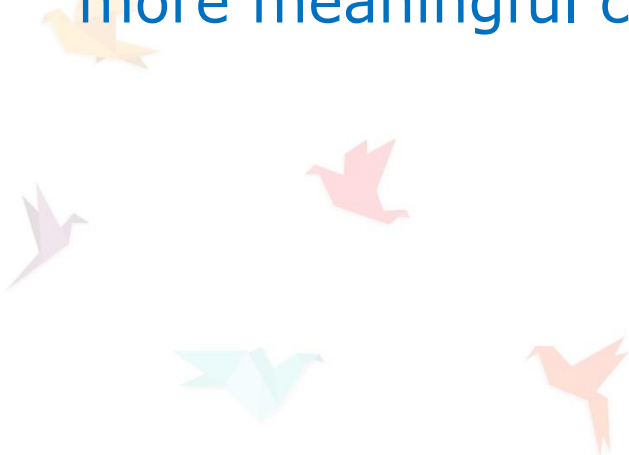
Why cohorts?

- Powerful tool to understand health and diseases and provide solution
- Main driver of Personalised Medicine
- Emergence of new types of data which can make them more powerful



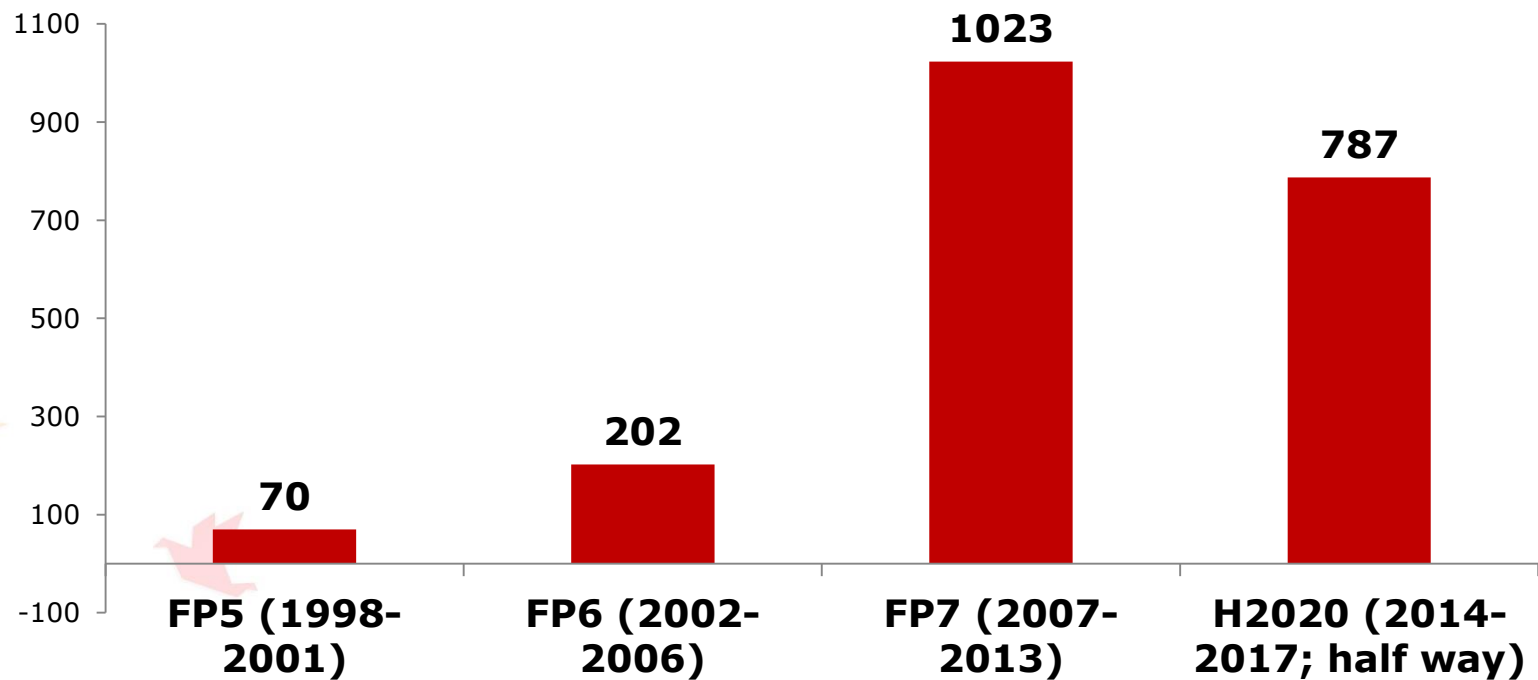
Why cohorts at EU Level?

- EU tradition & expertise in cohorts
- Most of Member States have cohorts or are developing them
- Integrating and complement those cohorts will lead to more meaningful conclusions



A long history of supporting cohorts at EU level?

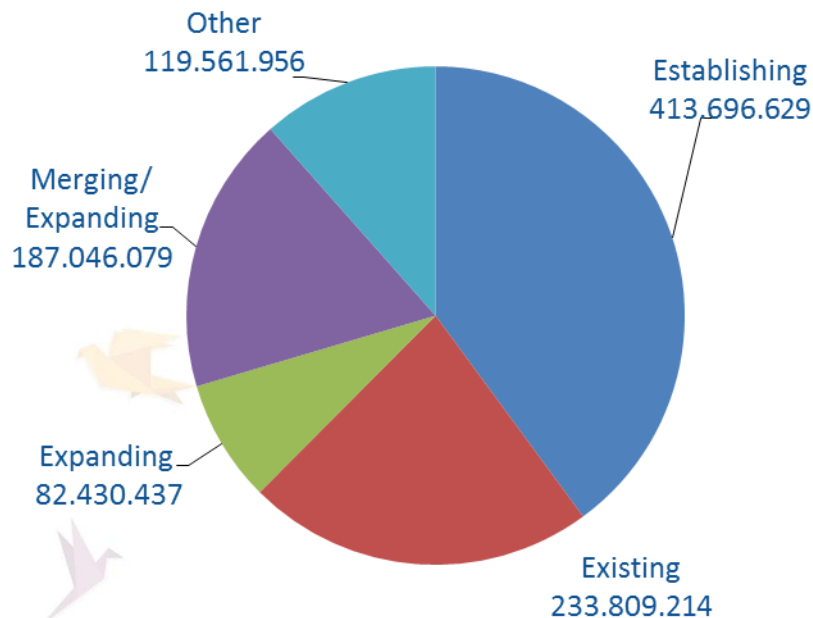
Cohort Funding (€M)



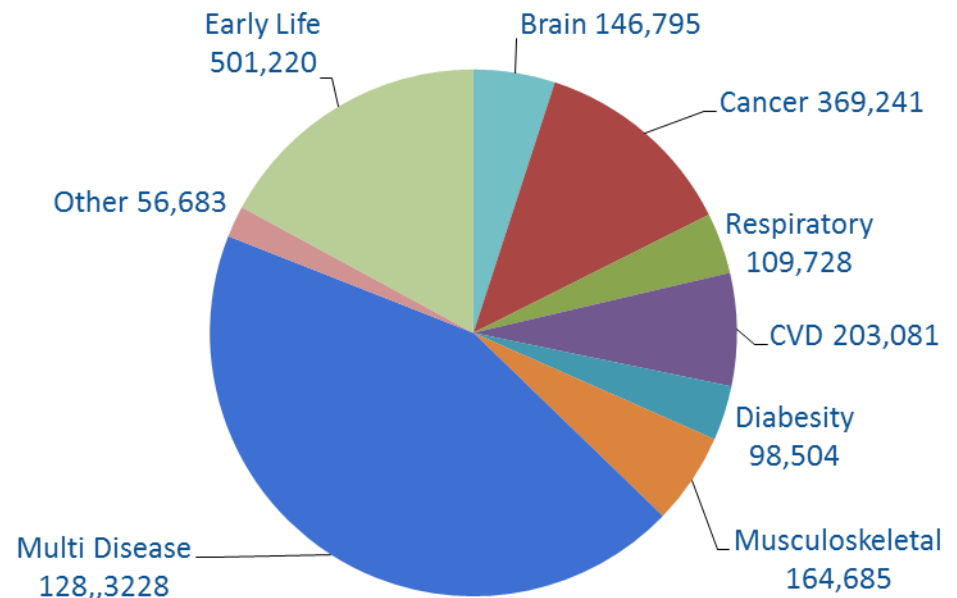
Cohorts at EU level – FP7

266 projects, > € 1 billion

55 collaborative projects ~ 3 million subjects



All FP7

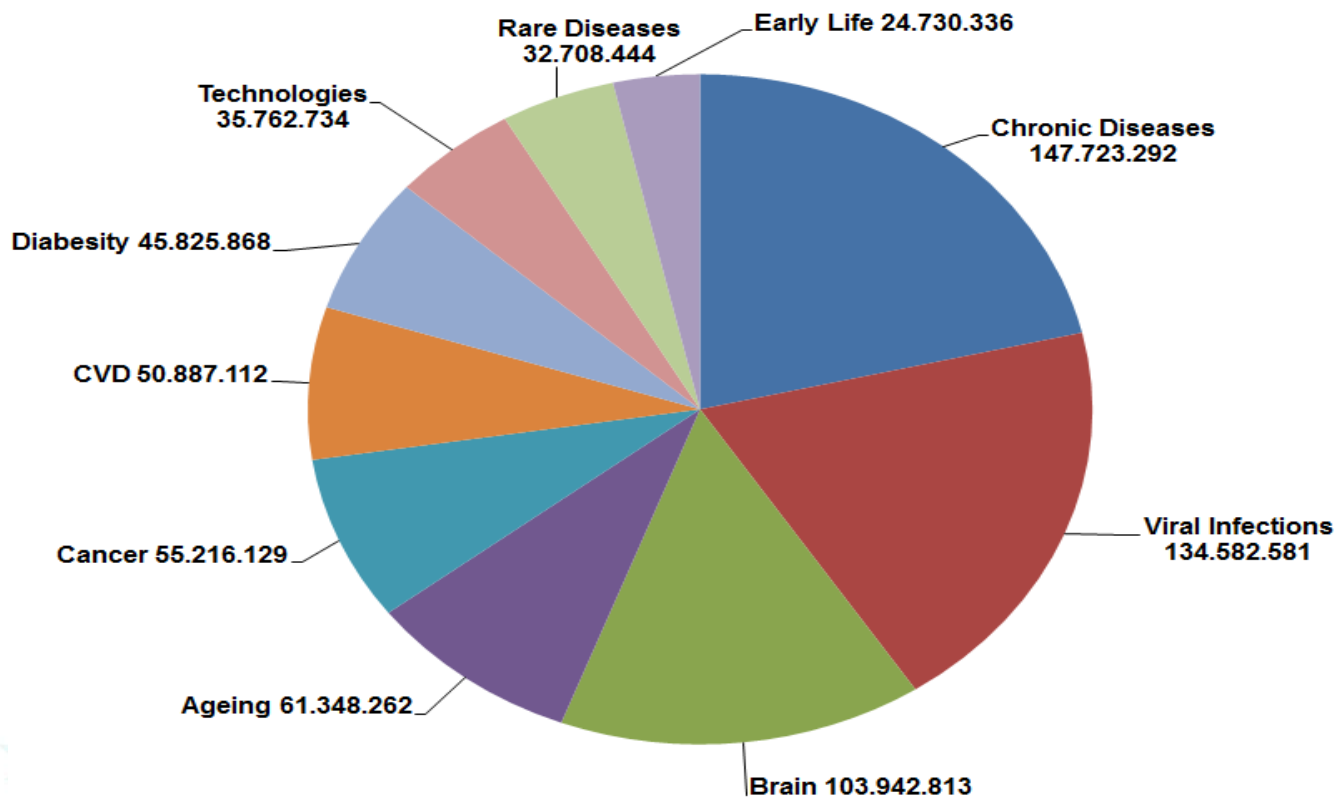


FP7: Health Programme
Number of subjects in 55 projects

Cohorts at EU level – H2020

178 projects: > € 787 Million

87 collaborative Health projects: > € 690 MIO



Scope (I)

Building **on existing cohorts** and in close alliance with **relevant research infrastructures**, proposals should establish **a strategy for the development of the next generation of integrated cohorts**, including:

1. **Map the cohort landscape in Europe and large international initiatives.** The mapping should include, for instance meta-data on purpose, coverage and measurements and any other relevant information.
2. Identify **best strategies for cohorts' integration**, taking into account relevant ethical issues.
3. Promote **the harmonisation of past and future data collection** and provide **recommendations on standards** to improve future sample and data collection.

Scope (II)

Building **on existing cohorts** and in close alliance with **relevant research infrastructures**, proposals should establish **a strategy for the development of the next generation of integrated cohorts**, including:

4. **Foster the inclusion of data** emerging from **new technologies** (e.g. ICT, social platforms), **new type of data** (e.g. lifestyle, geographical, genetic, eHealth records) and **exposure**, including to new and emerging products (e.g. novel tobacco products, e-cigarettes, waterpipes).

5. Promote **best practises to optimise access** to existing and future cohorts.

6. Contribute **to define an international strategic agenda** for better coordination of cohorts globally.

Expected Impacts

Coordination of large cohorts **at EU and global level** would:

- **Maximise the use of cohorts** in defining/improving **clinical practice** and **public health policy** and **bringing innovations to patients**.
- **Accelerate** the development of personalised medicine.
- **Improve the understanding of the complex interactions** of genetics, environmental, social, occupational and lifestyle determinants of health.

Thank you!

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#EUHealthResearch

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

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