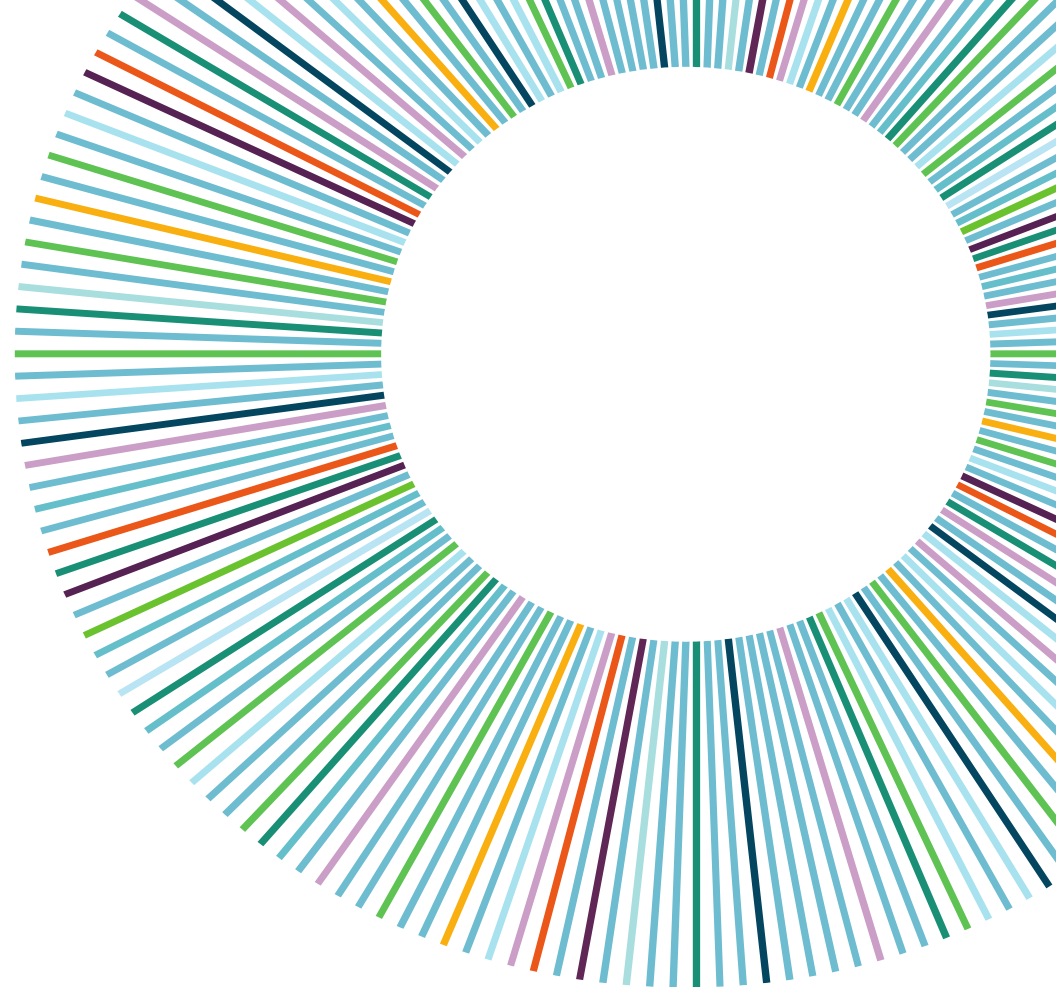


# The Innovative Medicines Initiative

## Big Data for Better Outcomes Programme (BD4BO)

Pierre Meulien- Executive Director- IMI  
Big data in health- how to improve healthcare services through big data and research  
European Parliament 19<sup>th</sup> June 2018

# 10 YEARS OF LIGHTING THE WAY



**10 YEARS OF  
BREAKTHROUGHS**  
A HEALTHIER  
FUTURE

# IMI – Europe's partnership for health

## IMI mission

IMI facilitates open collaboration in research to advance the development of, and accelerate patient access to, personalised medicines for the health and wellbeing of all, especially in areas of unmet medical need.

# IMI 2 budget (2014 – 2020)

## EU funding goes to:

Universities

SMEs

Mid-sized companies

Patient groups

etc...



€1.638 bn



€1.425 bn

Other  
€213 m

IMI 2 total budget  
€3.276 billion

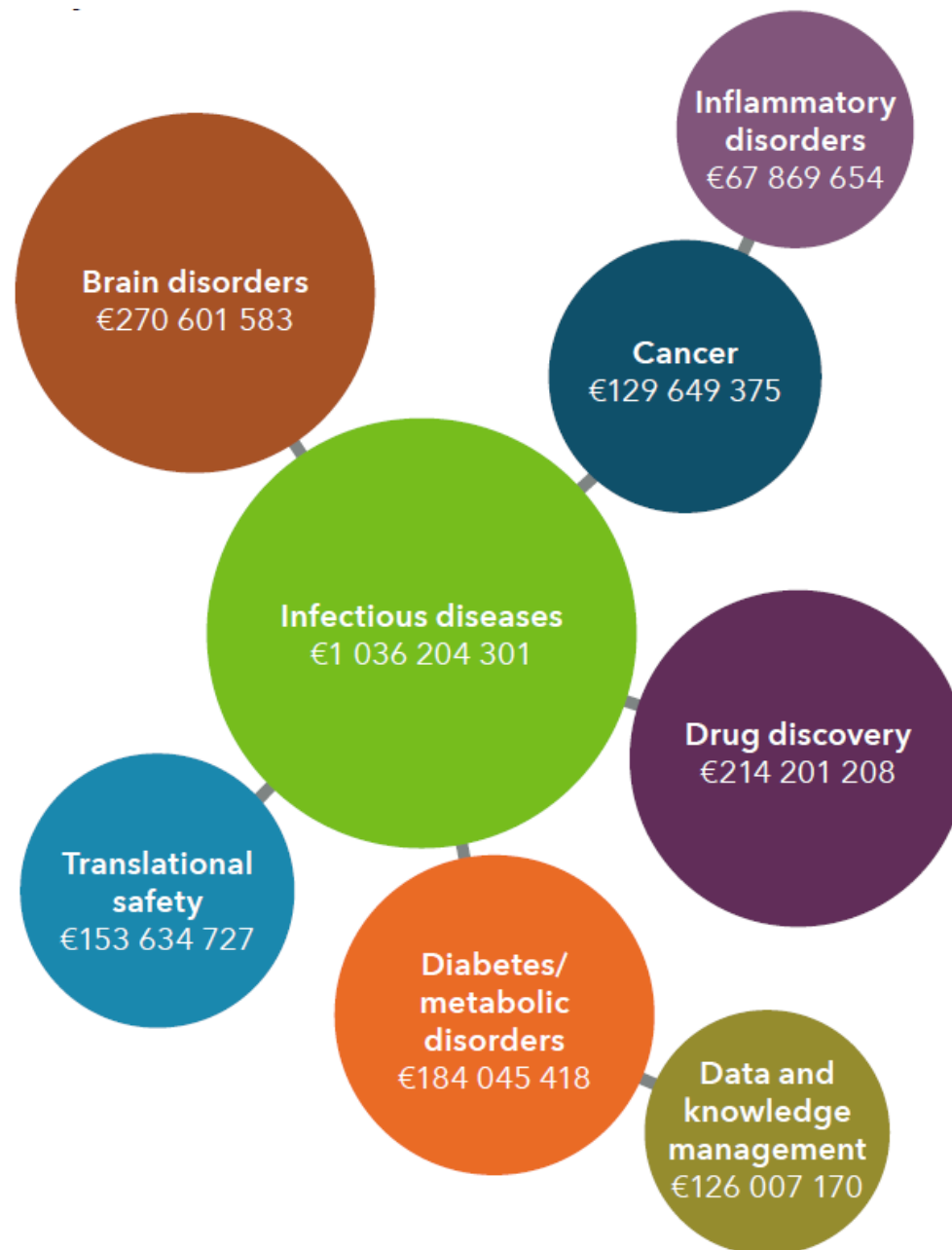
## EFPIA companies

receive no funding

contribute to projects 'in kind'

Associated Partners e.g. charities, non-EFPIA companies

# Current IMI investment in major research areas



# An international, cross-sector community

198

SMEs

29

Patient Groups

530

Universities /academic organisations

43

EFPIA members

14

EFPIA Partners in Research

26

Regulators

6

Associated Partners

**Over 11 500 researchers**  
working for:

- open collaboration
- improved R&D productivity
- innovative approaches to unmet medical needs

# BD4BO Programme

# BD4BO Programme Challenge

- **Massive amounts** of diverse healthcare data currently exist:
  - inpatient and outpatient hospital data, prescription data, claims information and patient-reported data, sociodemographic data, clinical trial data, 'omic measurements etc..
- **Linking this data** could lead to many **powerful insights**
- Currently, no wide scale exploitation of these data



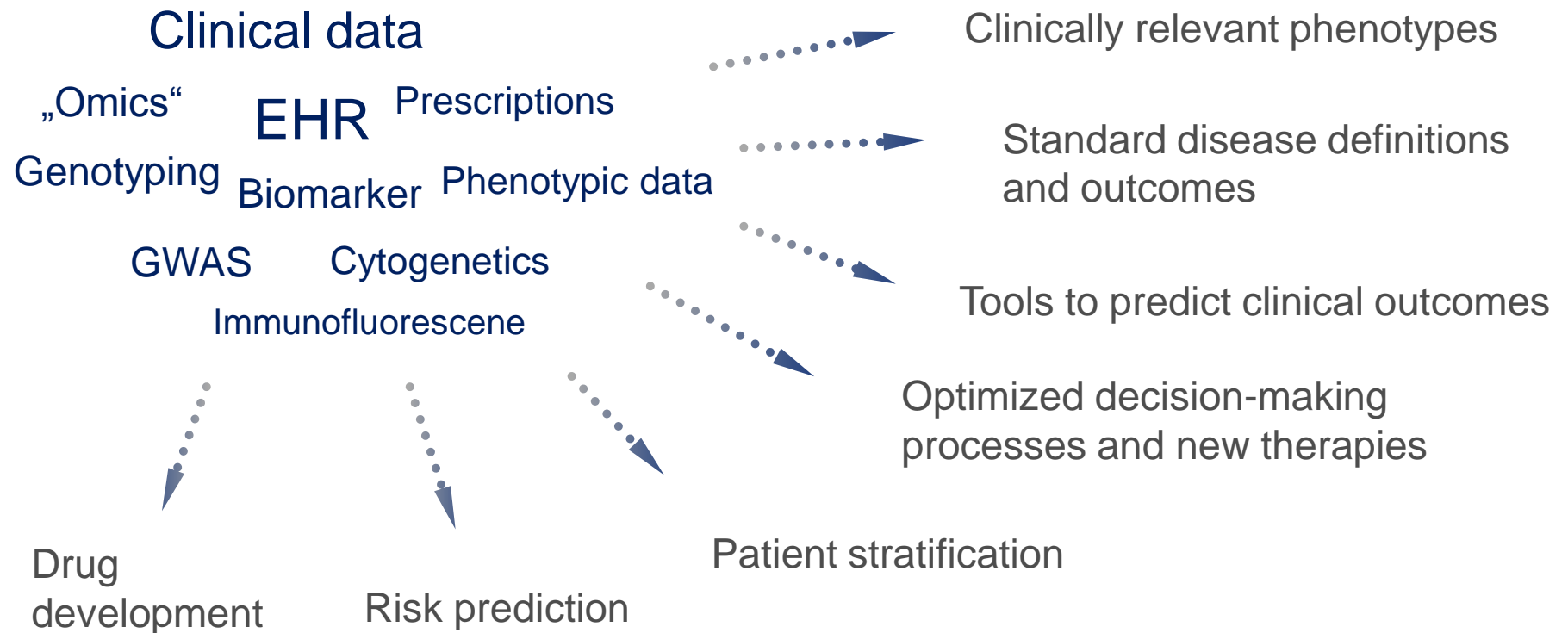
# BD4BO Programme Goal

- Exploit the opportunities offered by **large data sets** from variable sources to increase **medical innovation** and deliver **better quality healthcare** systems
- Support the evolution towards **outcomes-focused** and **sustainable healthcare systems** through engagement of key stakeholders

# BD4BO – Big Data to transform patient care

*Big Disease Data cohorts...*

*... to transform Patient Care*



# BD4BO - Programme Objectives

1

## Design sets of standard outcomes and demonstrate value

- Sets of outcomes
- Clinical endpoints
- Alignment of HC stakeholders on the outcomes

2

## Increase access to high quality outcomes data

- Mapping of data sources and methods for harmonization
- Governance and technical standards

3

## Use data to improve value of HC delivery

- Drivers of outcomes variation
- Best clinical practices
- Methodologies to predict outcomes

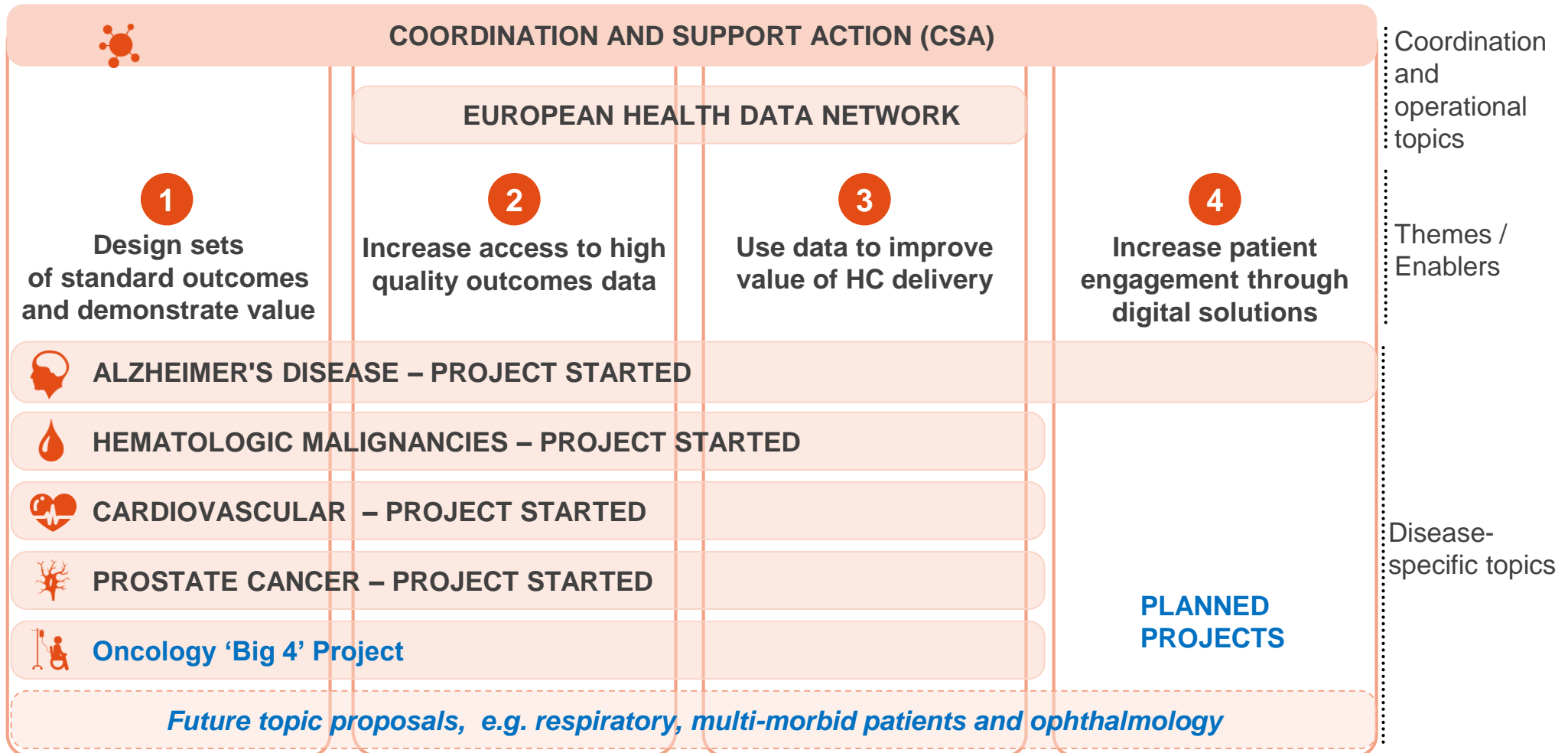
4

## Increase patient engagement through digital solutions

- Patient Reported Outcomes opportunities
- Profiling patients behaviors
- Tools to increase patient engagement

# BD4BO - Programme at a glance

"Big data for better outcomes"



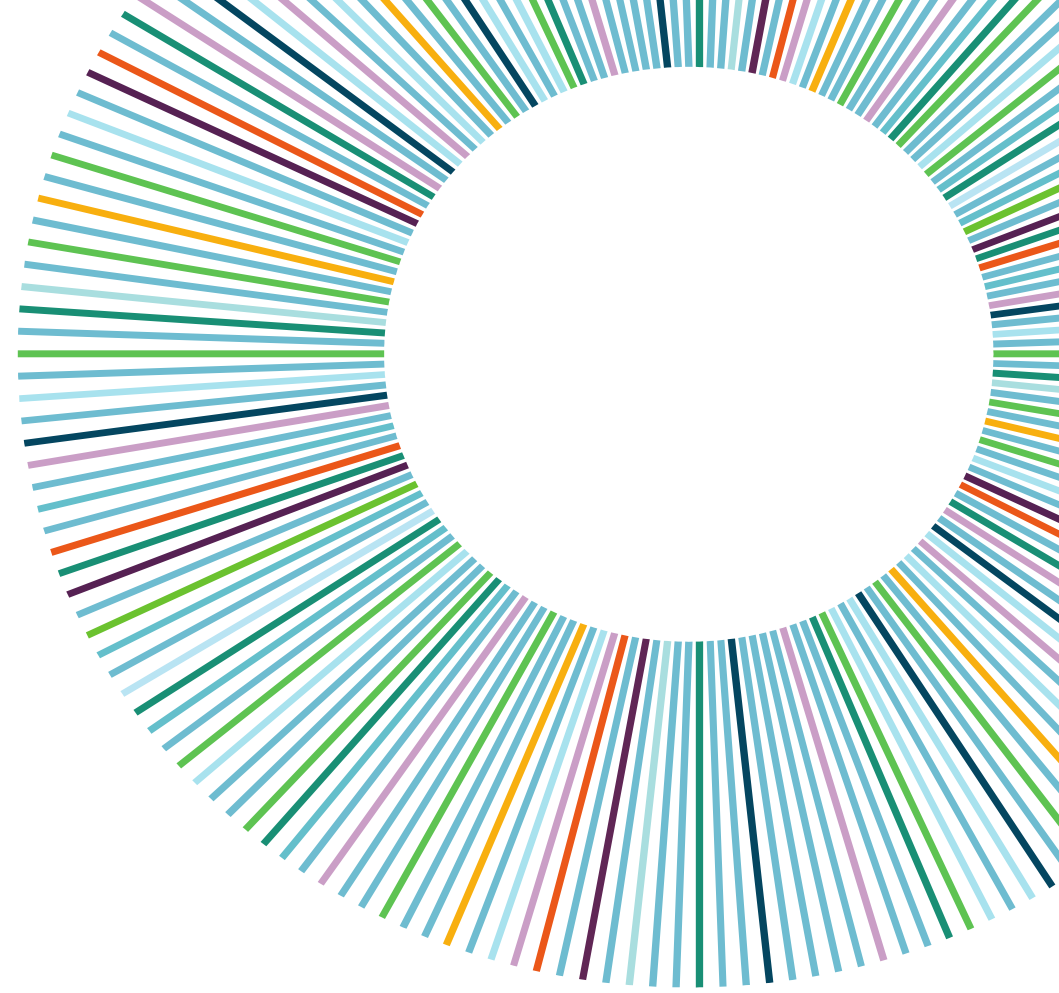
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**Thank you!**