



IMI2



Big Data for
Better Outcomes

Big Data for Better Outcomes (BD4BO) Programme

Experience of a big data project from a Hungarian partner

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2016-2024 Big Data for Better Outcomes

2013-2018 European Medical Informatics Framework

2013-2016 GetReal

2011-2016 Electronic Health Records for Clinical Research

IMI

Evolution of Big Data in IMI

Improve health outcomes
and healthcare systems in
Europe by maximising the
potential of Big Data



BD4BO Mission





Mission: Improve health outcomes and healthcare systems in Europe by maximising the potential of Big Data

THEMES/ENABLERS:

Design sets of standard outcomes and demonstrate value

Increase access to high quality outcomes data

Use data to improve value of HC delivery

Increase patient engagement through digital solutions

DISEASE-SPECIFIC PROJECTS:

ROADMAP: Alzheimer's disease

HARMONY: Haematologic malignancies

BigData@Heart: Cardiovascular diseases

PIONEER: Prostate cancer

More to come....

CO-ORDINATING PROJECTS:

European Health Data and Evidence Network (EHDEN)

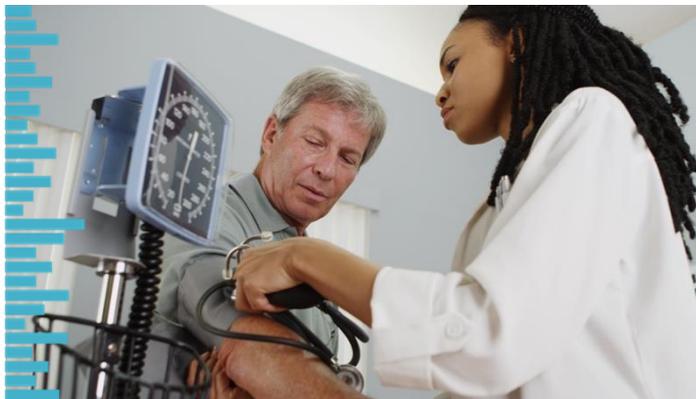
DO->IT: Coordination & support actions

DO->IT

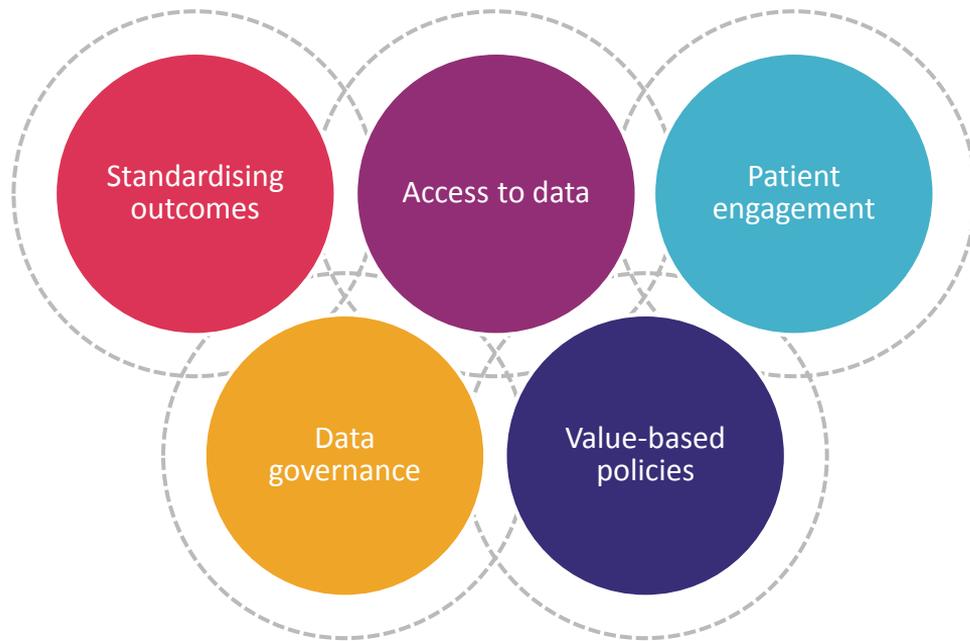
The overarching coordination structure for all BD4BO projects



Type of project	Expected outputs	Timeline
Coordination and support action	<ul style="list-style-type: none">• Develop and coordinate the overall BD4BO programme strategy• Identify best practice for standardisation, selection and measurement of outcomes, data management• Build an online repository to share knowledge and learning across the BD4BO programme• Lead communication activities of the BD4BO programme• Facilitate stakeholder engagement• Develop minimum data privacy standards for ICFs, explanatory information and training material	2017 – 2019



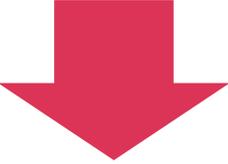
Improve health outcomes and healthcare systems in Europe by maximising the potential of Big Data



BD4BO Expected Impact

Challenges (external and internal):

- Clarify mission and objectives
- Ensure patient perspective
 - Address data privacy
- Align different approaches



Responses:

- Clear communication
 - Stakeholder engagement
 - Involvement of ethics committees
 - Building trust
- 



System-level | Patient-level | Disease-level | Trial/product-level

Benefits for Society

Coordinating Partner: London School of Economics and Political Science

Industry Lead: Novartis

PUBLIC PARTNERS

National Institute for Health and Care Excellence
Dental and Pharmaceutical Benefits Agency
European Cancer Patient Coalition
European Multiple Sclerosis Platform
Simmelweis University
Imperial College London
Swedish Institute for Health Economics
Centre for Research in Healthcare Management – Università Bocconi
Norwegian Institute of Public Health
University of Liverpool
Norwegian Medicines Agency
Technology, Methods and Infrastructure for Networked Medical Research
Inserm Toulouse

PRIVATE PARTNERS

The Association of the British Pharmaceutical Industry
Amgen

Bayer
Boehringer Ingelheim
Celgene
European Federation of Pharmaceutical Industries and Associations
Farmaindustria
GlaxoSmithKline
Health iQ
Intersystems
Janssen Pharmaceutica NV
Eli Lilly and Company
Merck
MSD
Novo Nordisk
Pfizer
Roche
Sanofi
Servier
UCB
Association of Research-Based Pharmaceutical Companies

DO->IT Partners





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Thank you!

 bd4bo.eu
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