

HARMONY



ALLIANCE

Join us in creating the next generation of care for blood cancer patients

The HARMONY Research Foundation

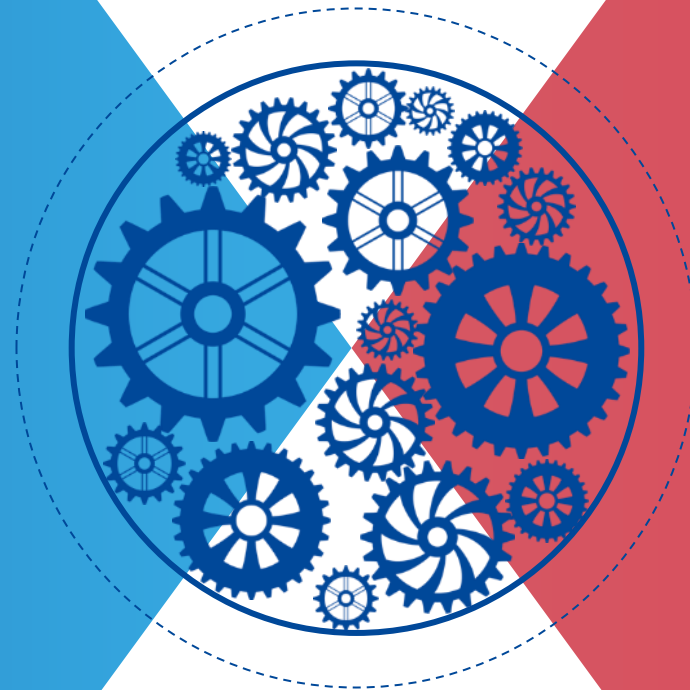
June 2023

BIG DATA FOR BLOOD CANCER



We are evolving...

From an
IHI funded
project
to a...



collaborative **research
foundation**, where we
will continue to work
together to improve the
care for patients with
hematologic malignancies

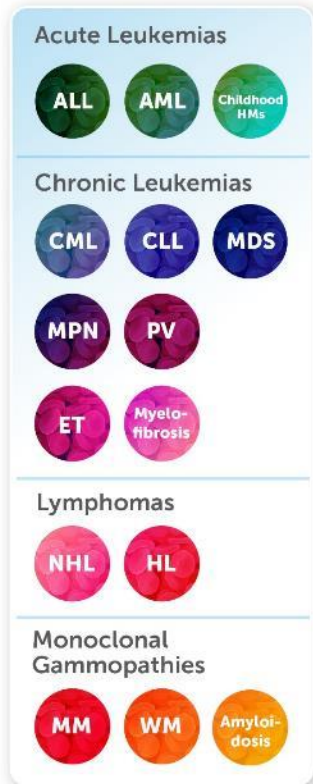


... but doing **RESEARCH**, and promoting **EDUCATION** as usual

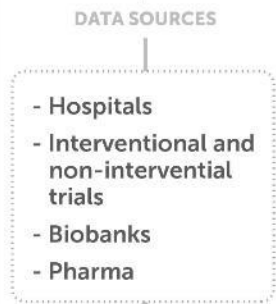
The HARMONY Alliance Big Data Platform:

We are harnessing the full power of big data in hematology

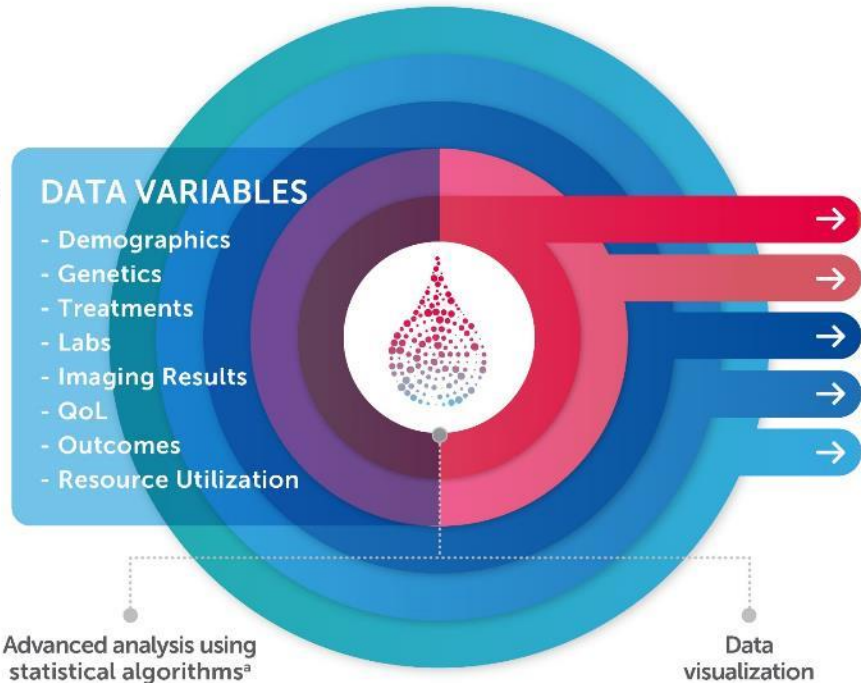
FOCUS BLOOD CANCERS



DATA PROVIDERS Partners and Associated members

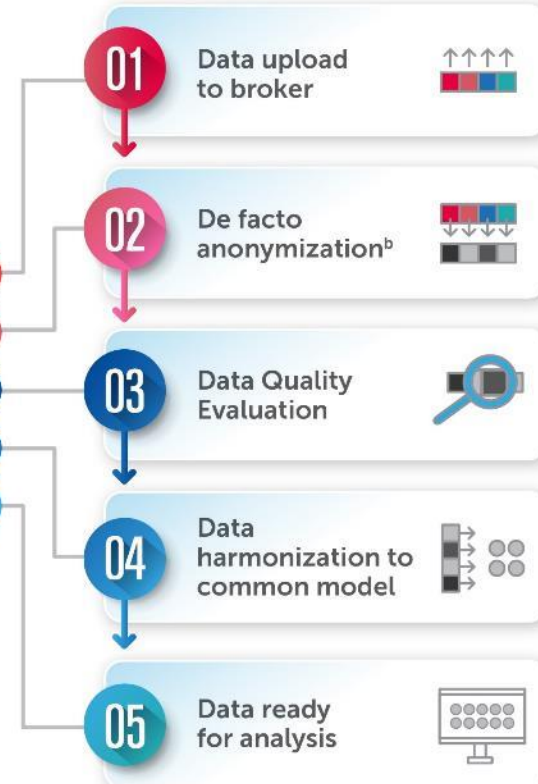


HARMONY BIG DATA PLATFORM DATA PROCESSING



a Only data essential to the analysis are accessible (to a limited group of users during a specific time span)
 b Data anonymization process is ISO 27001 certified

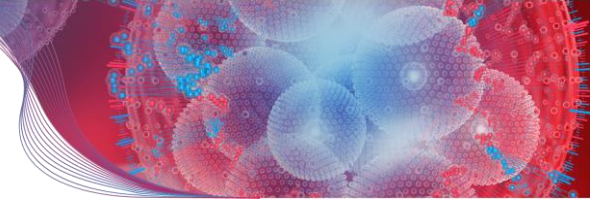
BIG DATA PLATFORM ANALYTICS



CURRENT AND UPCOMING PROJECTS



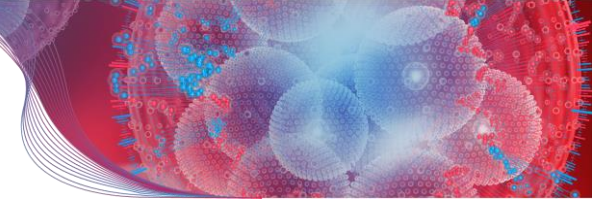
We realized a major speed up in hematology research



And are offering you a unique innovative research infrastructure

- data lake (data donated by our Partners and Associated Members)
- procedures to ensure anonymization and quality of the data
- advanced harmonization tools
- big data analytic and AI modelling services
- specialized data science teams
- currently running data-driven research projects in ALL, AML, APL, CLL, CML, MDS, MM, NHL ,NPM and Pediatric HM.

Keeping our mission



- By assembling, assessing, connecting, and analysing heterogeneous data sources from hematology patients we will **define new sets of outcome indicators** that can be used for decision-making by key healthcare stakeholders

- By offering a unique data-driven research infrastructure, we will **foster rapid decision-making** for healthcare professionals to establish the best personalized treatment and care for blood cancer patients

The concept of a foundation

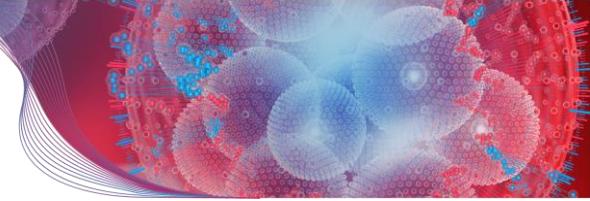
- Public-benefit foundations are **assets-based and purpose-driven**.

Assets are allocated permanently to the fulfilment of “general interest purposes.” Governance is entrusted to a Board.

- HARMONY & HARMONY PLUS are already **purpose-driven initiatives**, where research results are of **‘overriding public interest for health’**.

- **Foster an inclusive and collaborative mindset and continuous involvement** by ensuring that all the current partners are considered equal members (clinicians/research centers, patient associations, pharmaceutical industry, data science companies, HTA and regulatory bodies...).

Guiding Principles



Build on current Big Data Platform

- Network of 121 European institutions and companies – to be enhanced with refreshed RWD from EU centers
- Aspiring to becoming the premier RWD data source for HMs in EU
- SOP for submitting and assessing Research Project Proposals
- SOP for anonymization procedure and data management plan
- SOP for assessing data quality and completeness
- Informed Consent Form for prospective data
- Proven experience in OMOP data harmonization

Guiding Principles Foundation

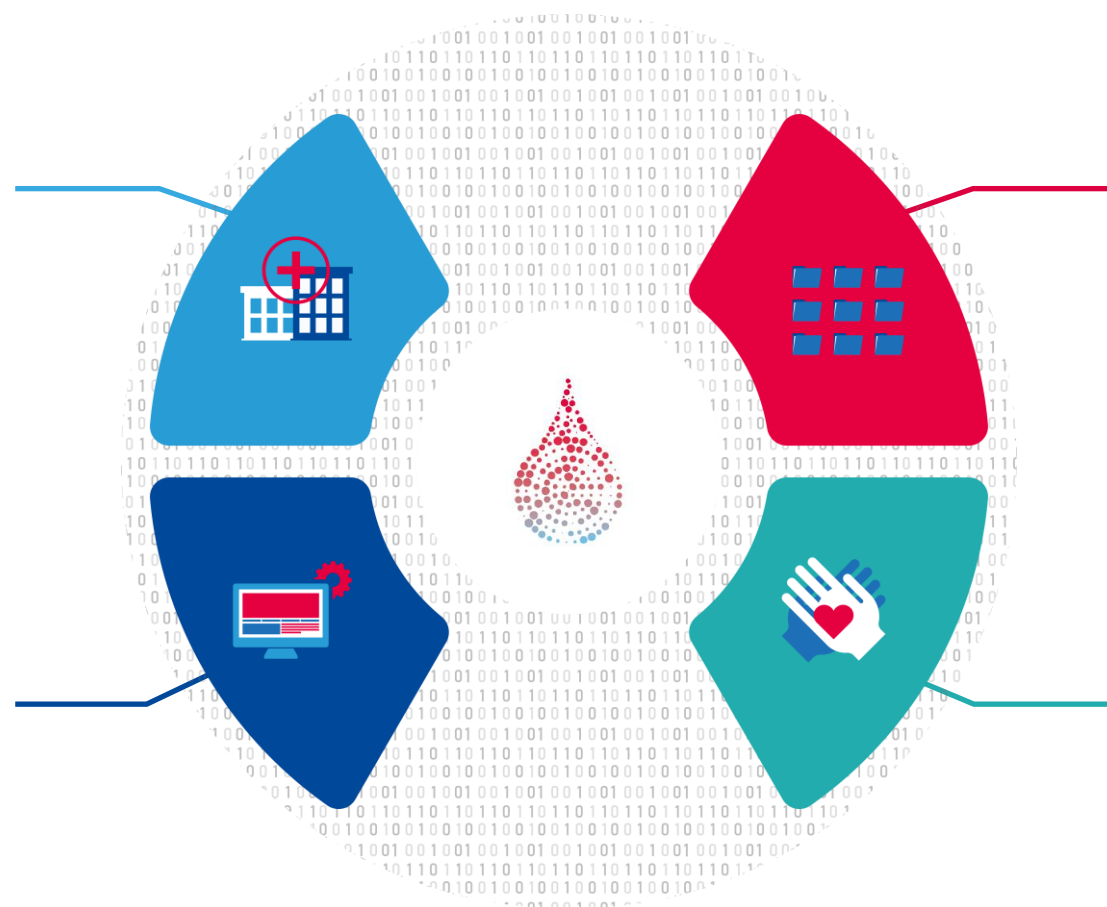
Current data available for 10 years >>
Expand the data lake

Access to data, scientific collaboration and production for **academia and clinicians**

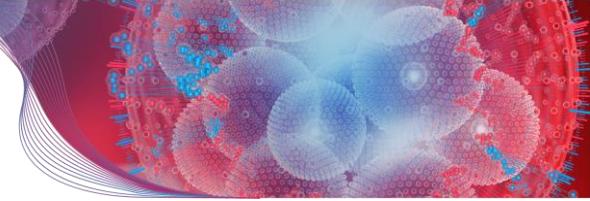
Decision making tools for **regulators**

Large longitudinal datasets. Real World Evidence, virtual / in-silico data generation for clinical trials for **industry**

Patient-centered approach



Benefits for academia and clinicians



Stakeholder engagement



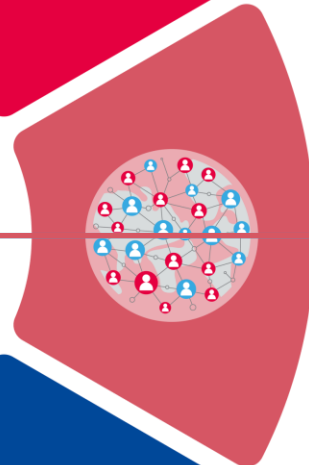
Installed HARMONY dashboards with AI driven data analytic toolboxes



Sharing of insights and expertise with real impact on clinical duties and patients' lives



Access to Big Data Platform based on your specific research questions



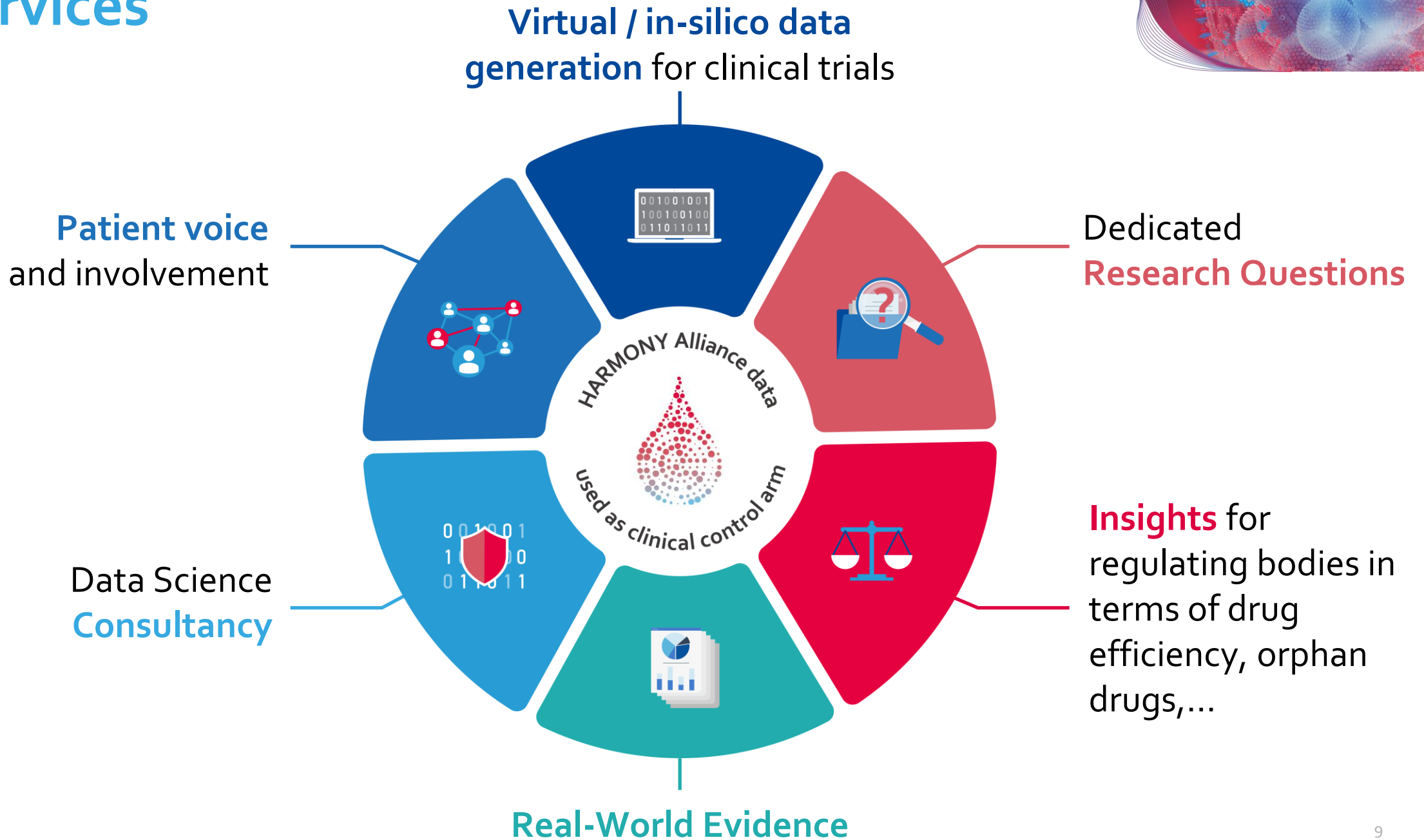
Participation in Study-a-Thons and Meetings



Hands-on data analysis support and algorithms



Services



HARMONY



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www.harmony-alliance.eu
www.bigdataforbloodcancer.eu



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#bigdataforbloodcancer

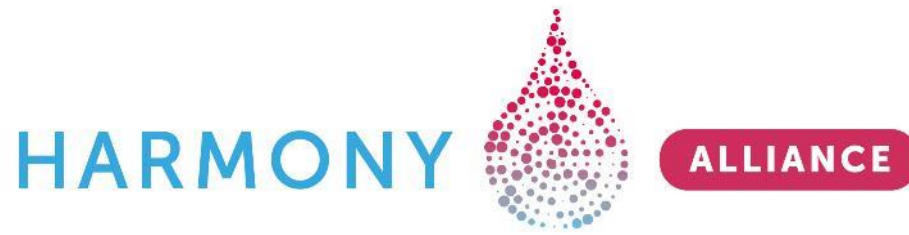


HARMONY Alliance
Public-Private Partnership
for Big Data in Hematology



Big Data for Blood Cancer

Join the HARMONY Alliance
Research Foundation there
are many strong reasons!



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- This Joint Undertaking receives support from the European Union's Horizon 2020 Research and Innovation Programme and the European Federation of Pharmaceutical Industries and Associations (EFPIA).
- www.imi.europa.eu | www.ih.europa.eu
IMI is per January 2022: Innovative Health Initiative (IHI)