InSite Champion Programme & European Medical Informatics Framework Initiatives

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InSite

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InSite is an innovative platform that enables the trustworthy re-use of Electronic Health Records (EHR) data for research. InSite facilitates the collaboration between clinicians and researchers and aims to maximise the output of clinical research through new technology.

https://www.insiteplatform.com/

InSite is supported by a community of clinical sites that want to maximise their involvement in clinical research with academic and industry research organisations.

Industry Hospitals Academia

InSite

InSite is a **secure service platform** built on a **network** of connected health care organisations

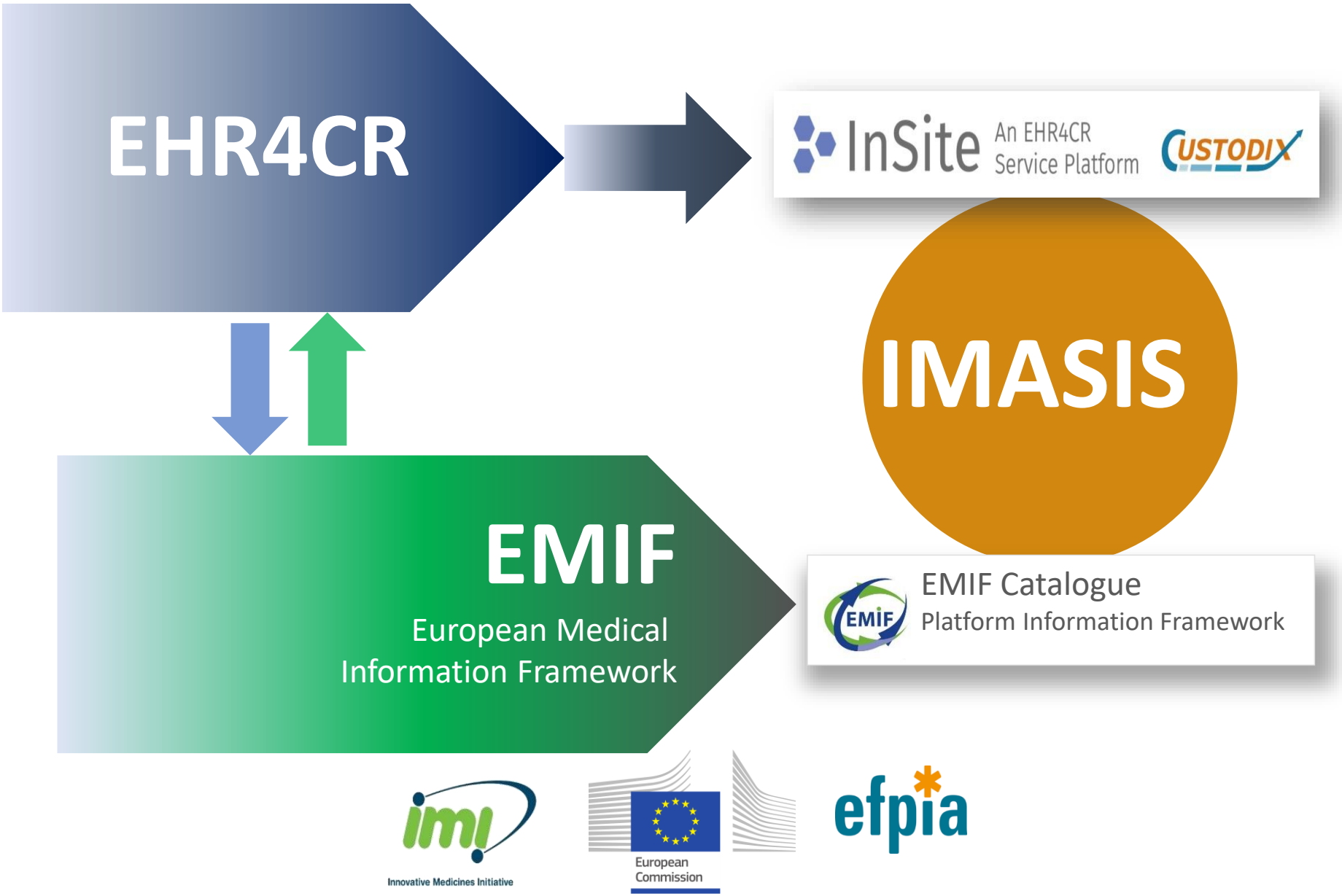
InSite offers a **harmonised view on heterogeneous clinical data sources** through easy to use applications

InSite is a service of CUSTODIX

InSite supports clinical research of

AMGEN
AstraZeneca
BAYER
Boehringer Ingelheim
ICON
janssen
Roche
SANOFI

Related Initiatives



The EHR4CR project

- **EHR4CR – Electronic Health Records for Clinical Research**
  - 4+1 year project (2011-2016), 35 partners, budget >17M€
- Objectives & Scope
  - Provide a scalable platform for **trustworthy re-use of EHR data** to support innovation in clinical research and healthcare operations
  - Unlocking **Real World Data** for optimising clinical trials
- Status
  - Initiating a **EHR4CR Champion Programme**, connecting hospitals to an operational platform, building up experience with pharma
  - Established the **European Institute for Innovation through Health Data** – an independent governance body

For more information:
http://www.ehr4cr.eu/

efpia

imi
Innovative Medicines Initiative

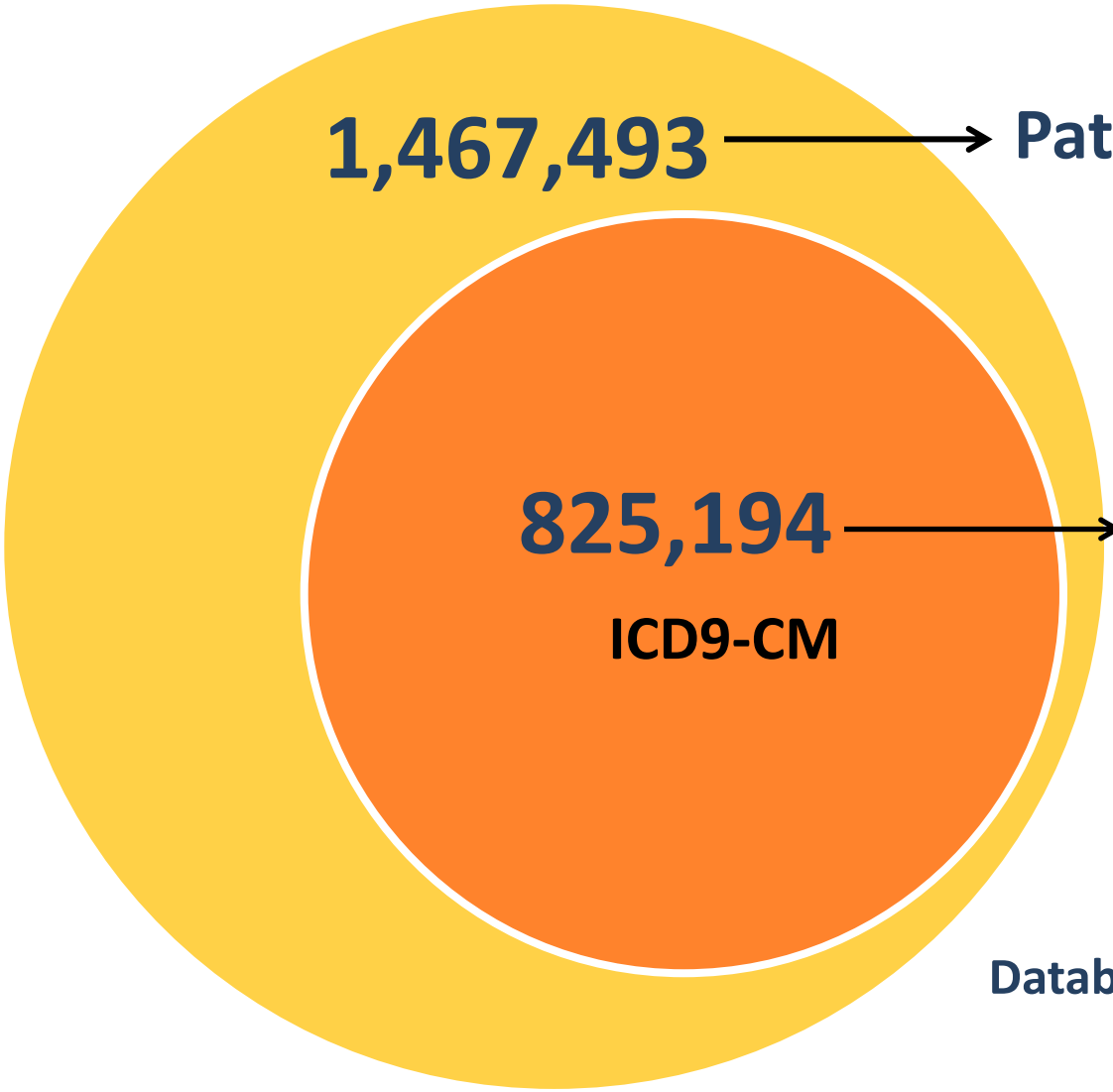
Parc Salut Mar Barcelona

IMASIS: Multicenter Hospital Information System

- Hospital del Mar
- Hospital de l'Esperança
- Centre Emili-Mira
- Centre Fòrum
- Centre Peracamps (ER)

IMIM Institut de Recerca Hospital del Mar · Parc de Salut MAR Barcelona · upf. Universitat Pompeu Fabra Barcelona · GRIB Research Programme on Biomedical Informatics · prbb

IMASIS-2 Database (Parc de Salut Mar)



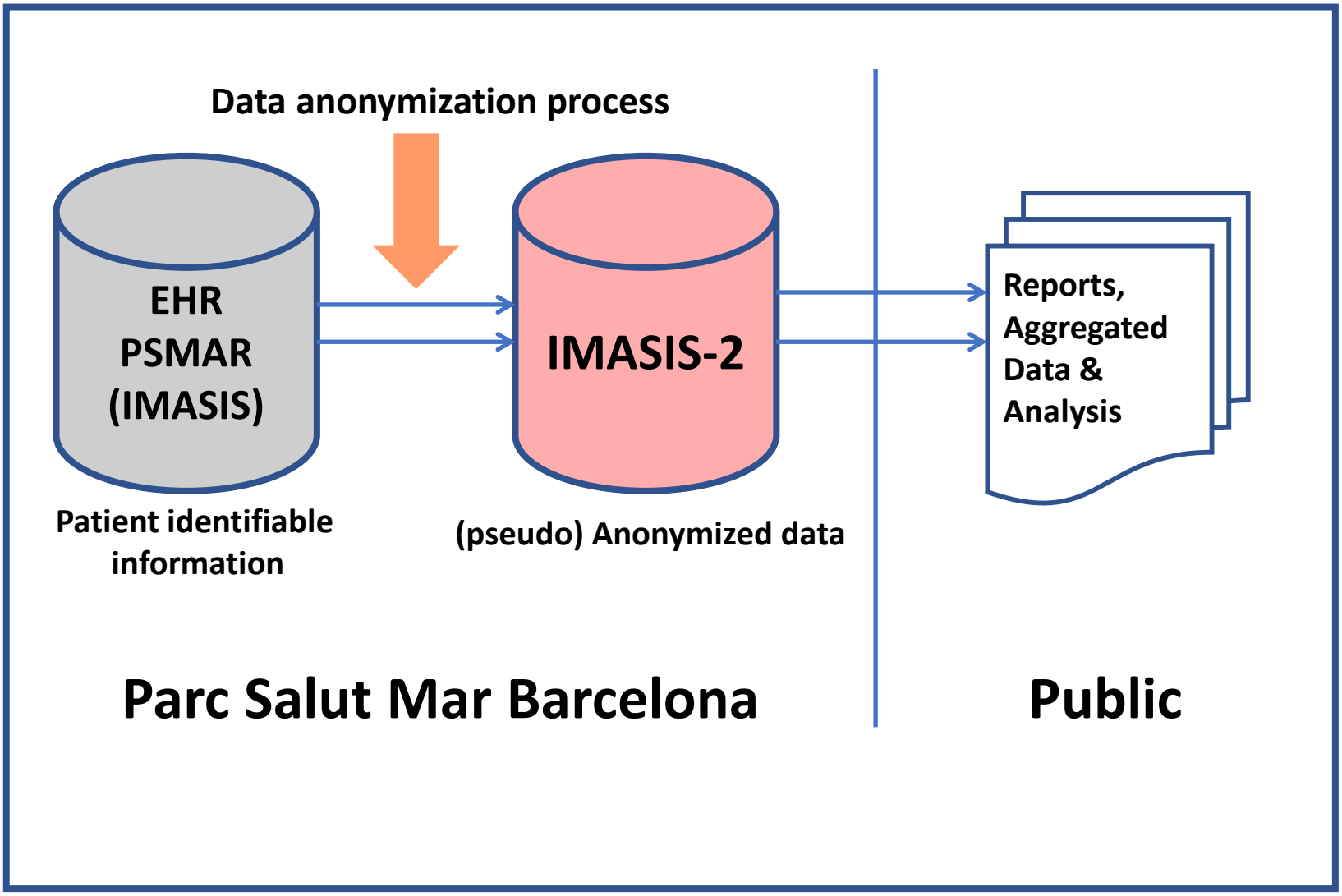
Patients in the System

Patients with at least one diagnosis code in:

- **Admissions**
- **Emergency room**
- **Outpatient Consultations**
- **Major Ambulatory Surgery**

Database last update July 2017

IMASIS and IMASIS-2



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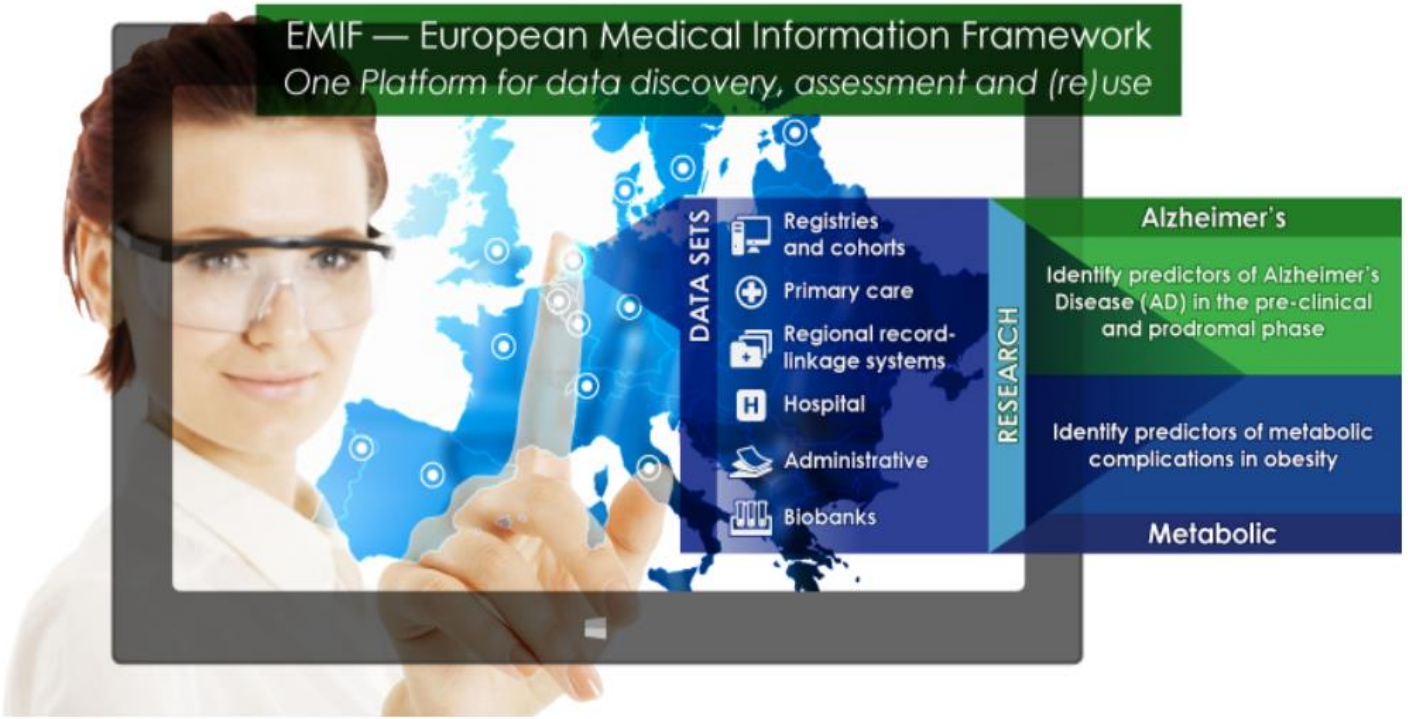
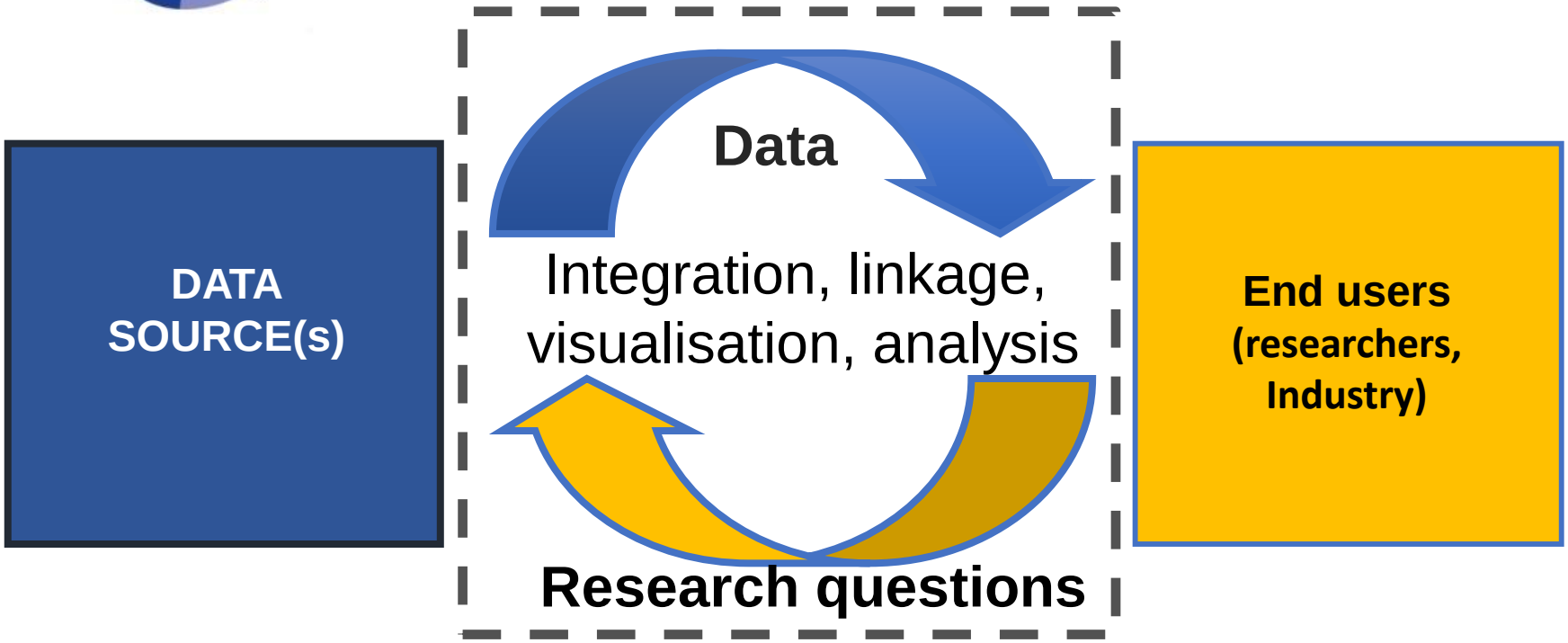


Access the EMIF Data Catalogue here

Recent News

EMIF-Platform Information Framework



Innovative Medicines Initiative

European Commission

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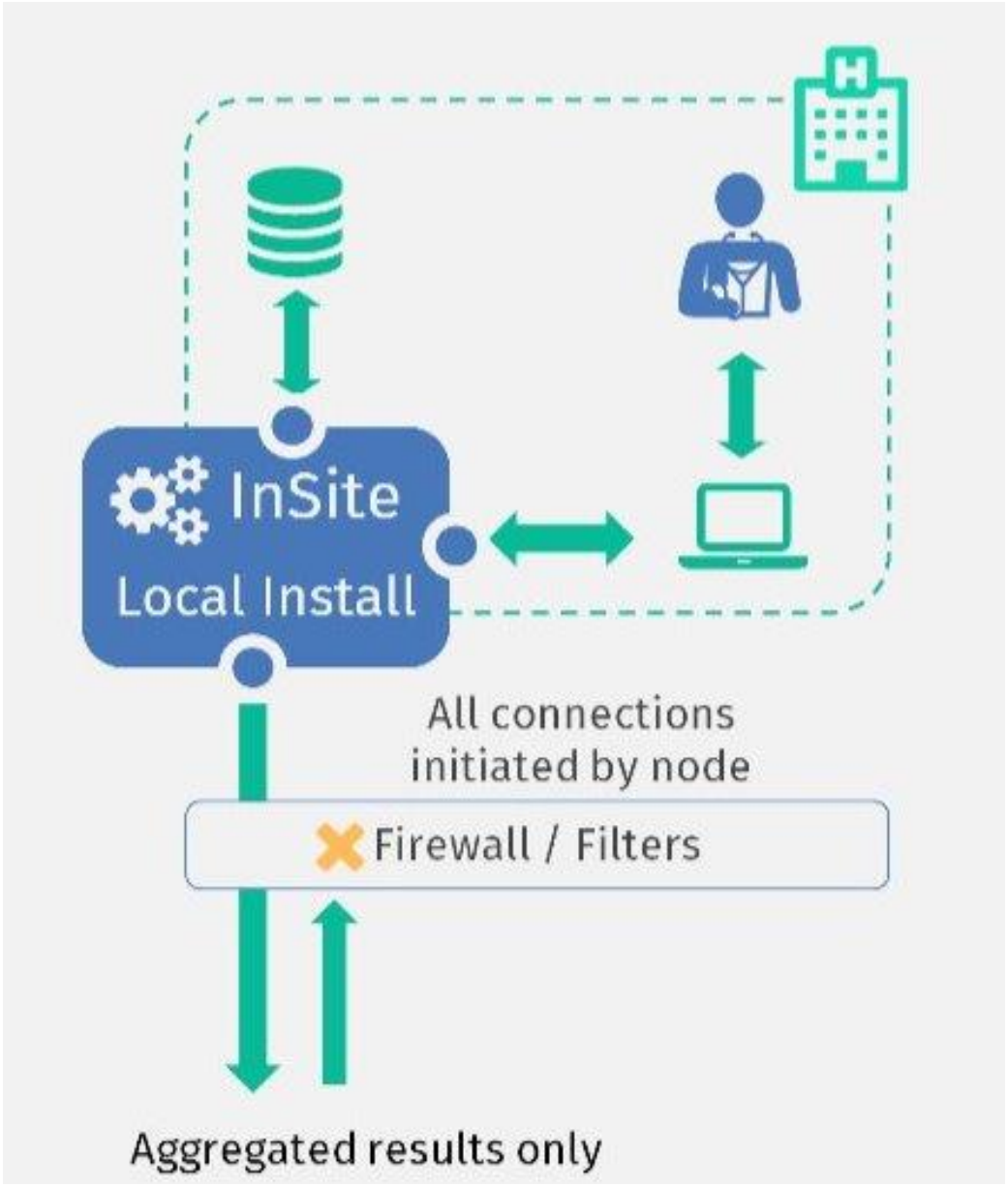
SaludMadrid · Hospital Universitario 12 de Octubre · Comunidad de Madrid



No individual patient data leaves de hospital environment

The only information that leaves the hospital is an **aggregated patient count** which entails no privacy risk

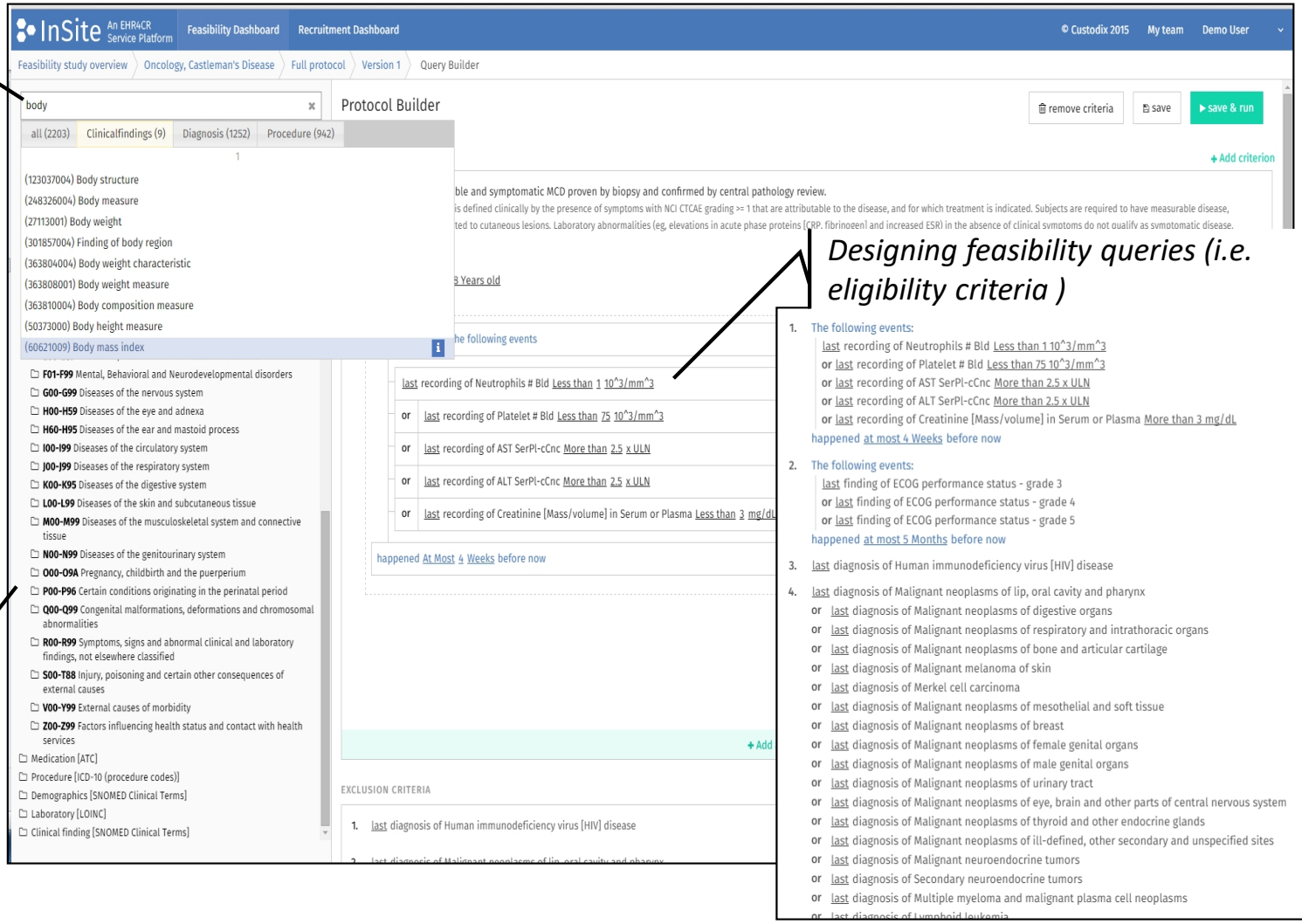
InSite central platform screenshot

PFS Authoring criteria (queries)

Clinical concept quick search

Clinical concepts to design queries with (ICD, LOINC, SNOMED, etc.)

Designing feasibility queries (i.e. eligibility criteria)



Benefits for Hospitals

Attract More Clinical Research

Resulting in:

- Better patient care
- New revenue streams

Get Free Access to Software

- Participating sites get access to software for local use
- Champions will get premium versions for free

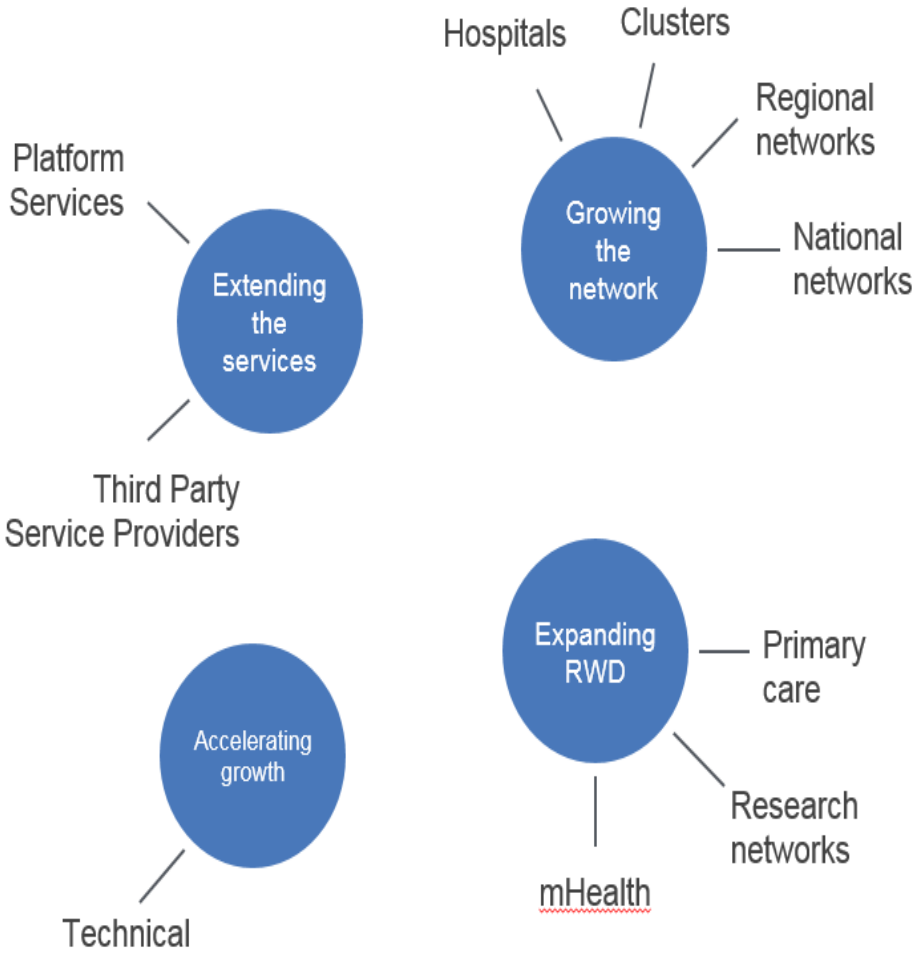
Remain in Control

Be part of an EU community:

- Steer the future of EHR data reuse
- Always determine how your data is used

Beyond the Champion Programme

"InSite aims to become the central hub where sponsors, care givers and service providers meet up to initiate clinical trials."

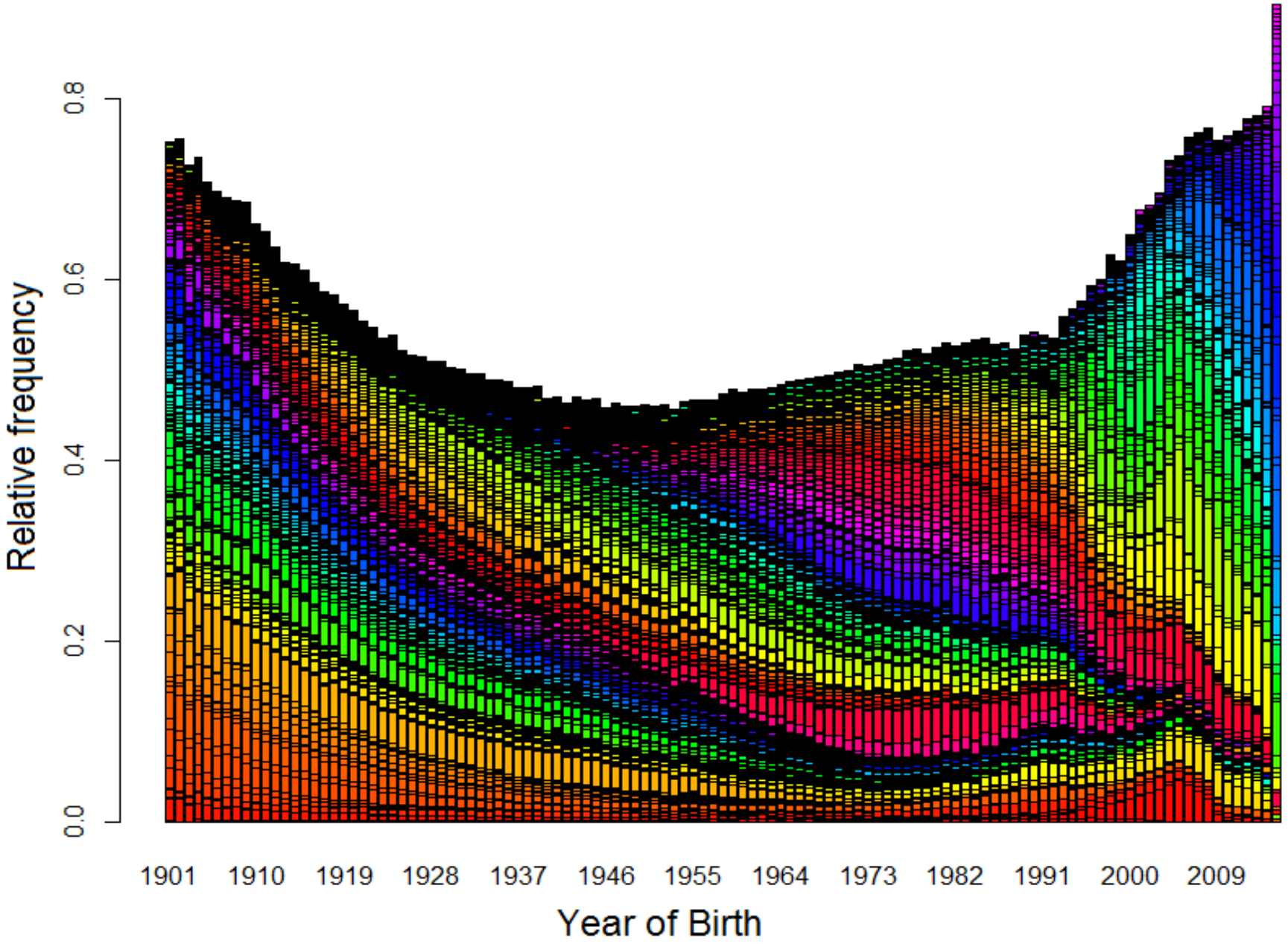


InSite

IN SHORT:

- No personal data (of patients) is sent, stored on or processed by the central platform
- All sensitive processes run inside the hospital, under full control of the hospital
- InSite supports pseudonymisation of the data in the local hospital data warehouse
- InSite packs privacy enhancing technology such as “small cells restriction”, which can be configured by hospitals to match their local privacy policies

i~HD QS4RP


Relative frequency of the top 50 diagnoses and year of birth
Relative frequency
0.0
0.2
0.4
0.6
0.8
1901
1910
1919
1928
1937
1946
1955
1964
1973
1982
1991
2000
2009
Year of Birth

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