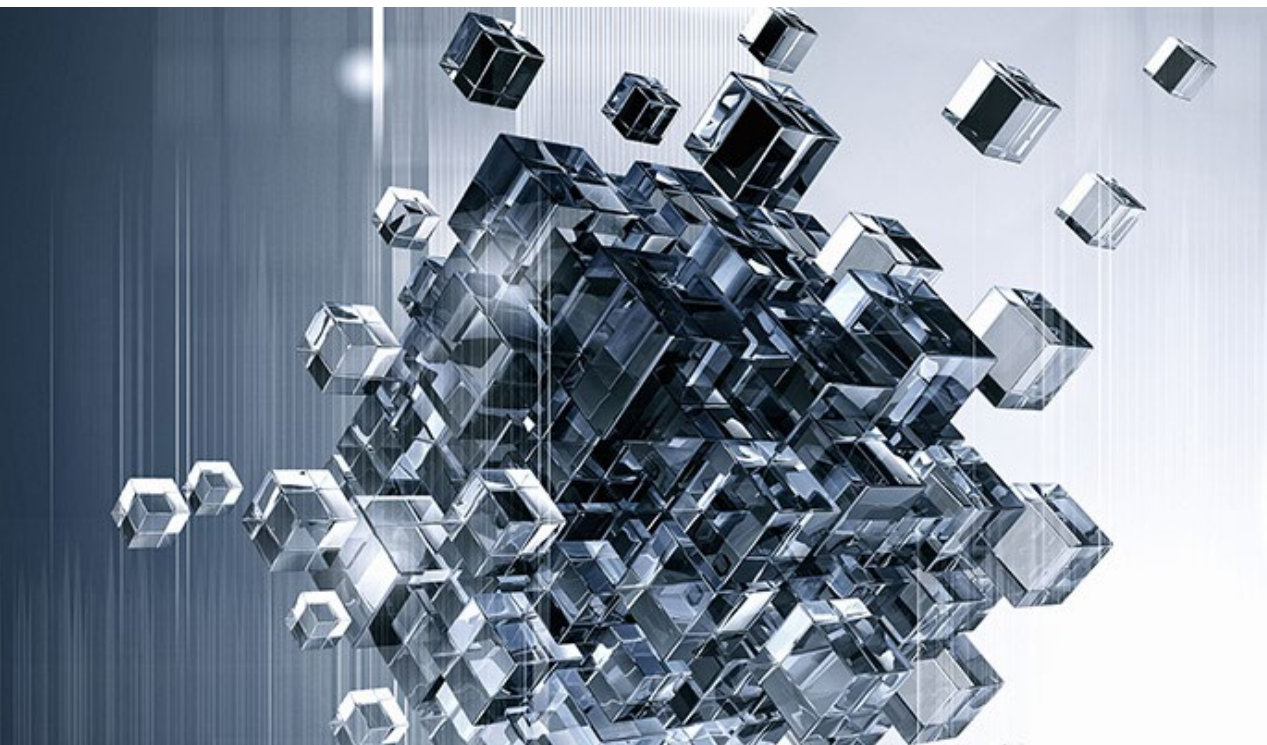
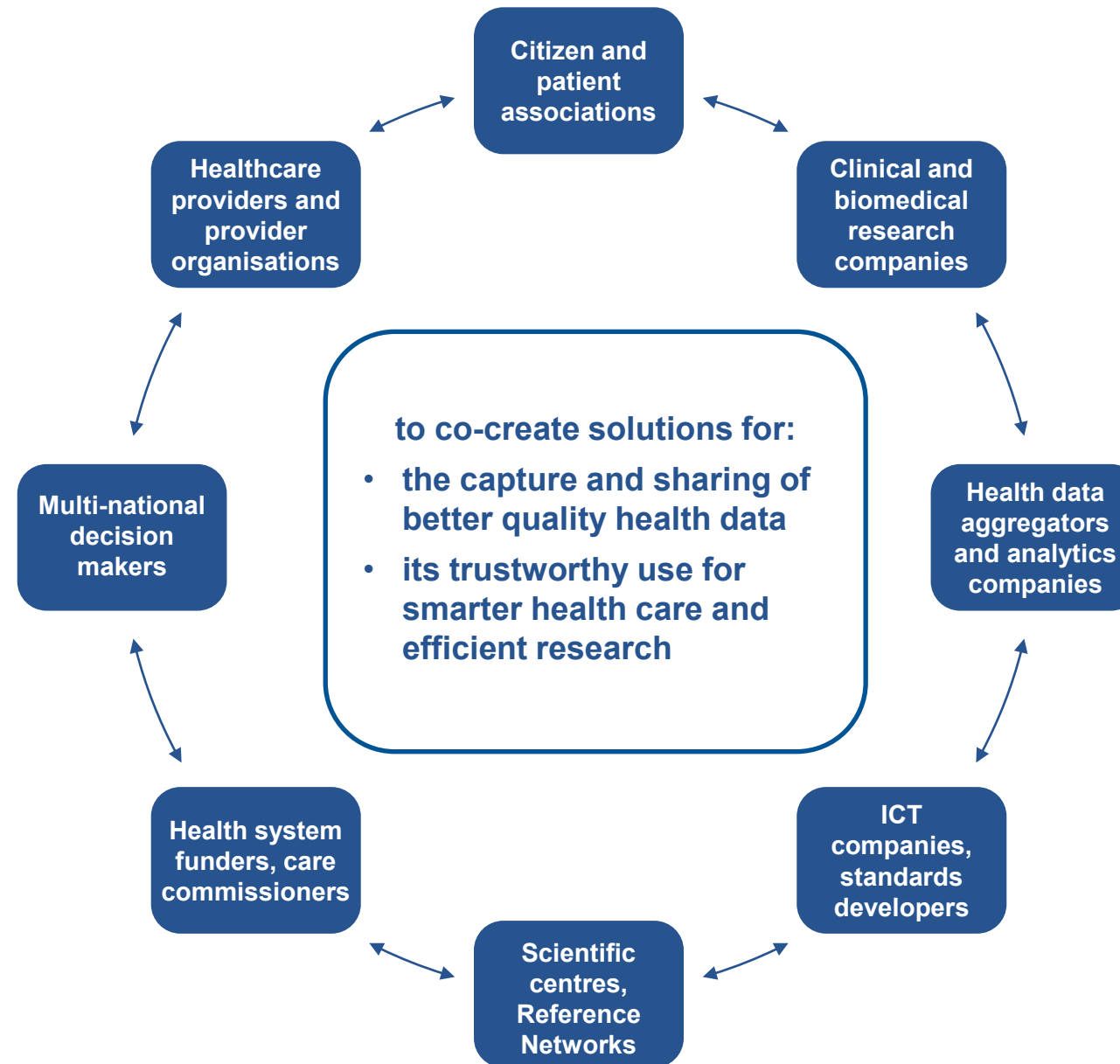


Health data drives innovation



European Health Data Space
(EHDS):
EU health data collection and
data safety:
impact on the estimation of
burden of VPIs

iHD is a neutral not for profit body, bringing stakeholders together



The spectrum of data use: from care to research

Individual level health data

EHR systems, apps, sensors, genomics,
Clinical Decision Support, AI

Used for:

- Health status monitoring
- Telehealth
- Continuity of care (including the patient and caregivers)
- Care pathway tracking, clinical workflow management
- Real-time feedback and guidance to patients and clinicians
- Personalised medicine
- Disease interception, prevention and wellness
- Healthcare provider reimbursement

Population level health data

EHR systems, regional & national
eHealth infrastructures

Reused for:

- Healthcare provider performance and planning
- Quality and safety, care pathway optimisation
- Medical device and algorithm refinement
- Pharmacovigilance
- Public health surveillance
- Public health strategy
- Health services and resource planning

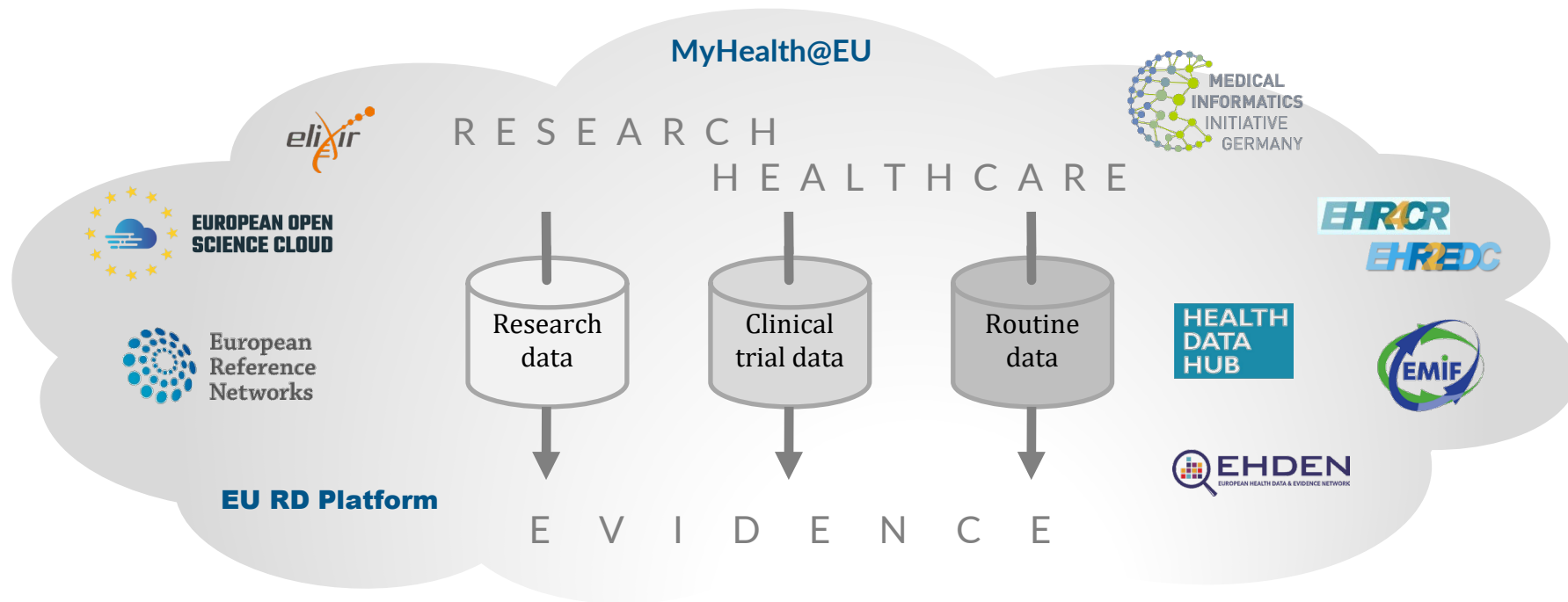
Big health data

national & international research
infrastructures,
federated query platforms
+ cross-sectoral services

Reused for:

- Epidemiology
- Digital innovation: devices, sensors, apps
- AI development
- Personalised medicine and bio-marker research
- Diagnostics development
- Drug development
- Disease understanding and stratification

- Myriad of initiatives to share health data across jurisdictional, institutional and domain borders:
 - Sharing data for cross-border care or for research
- Emerging paradigm for analysing personally-identifiable health data:
 - federated infrastructure model: network of repositories with an overarching governance and interoperability layer



Proposal for a Regulation on the European Health Data Space

It sets out rules, common standards, infrastructures and a governance framework for the use of electronic health data for healthcare, research, innovation and policy making

Empower
individuals to
access and control
their personal
health data

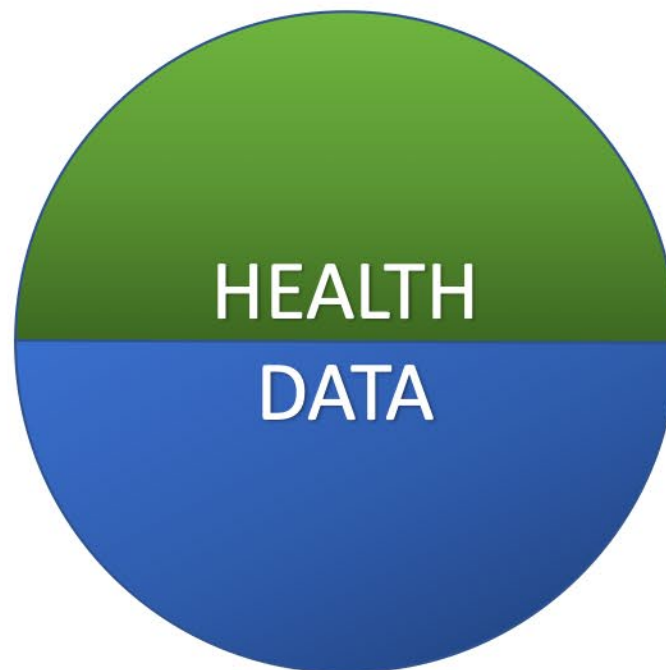


Ensure a
consistent
framework for the
use of individuals'
health data for
research,
innovation, policy-
making and
regulatory
activities

Unleash the data
economy by
fostering a genuine
single market for
digital health
services and
products (EHR
systems)

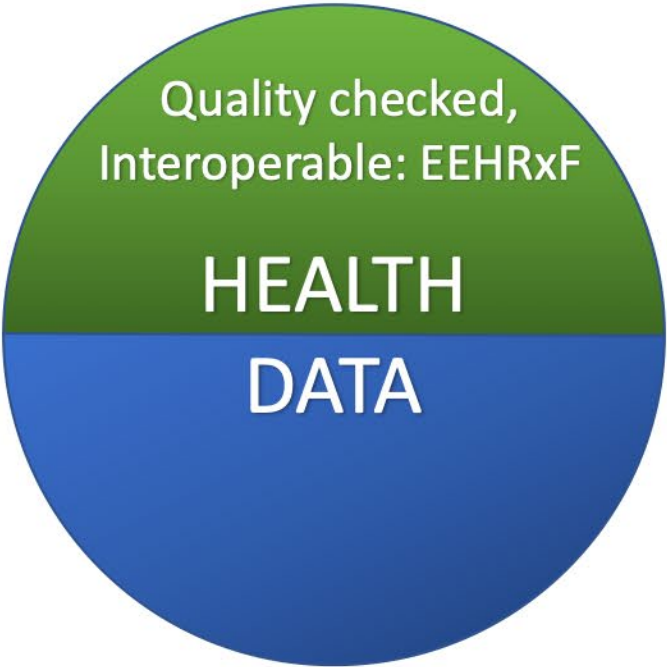


Primary Use
For health, care, wellness



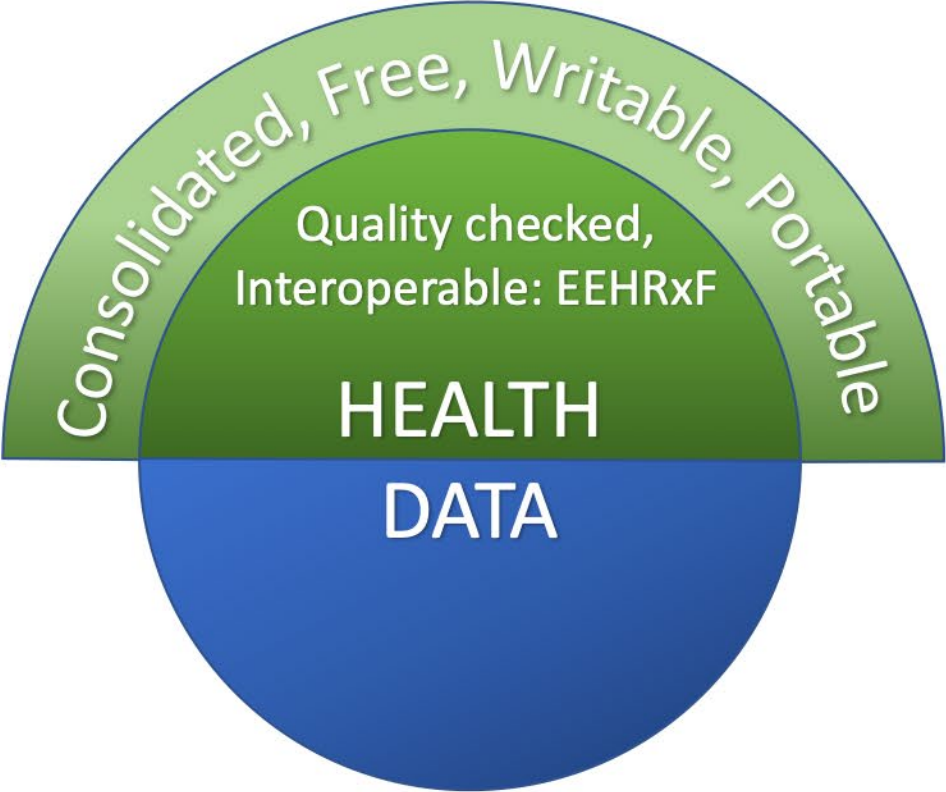
Secondary Use
For research and strategy

Primary Use
For health, care, wellness



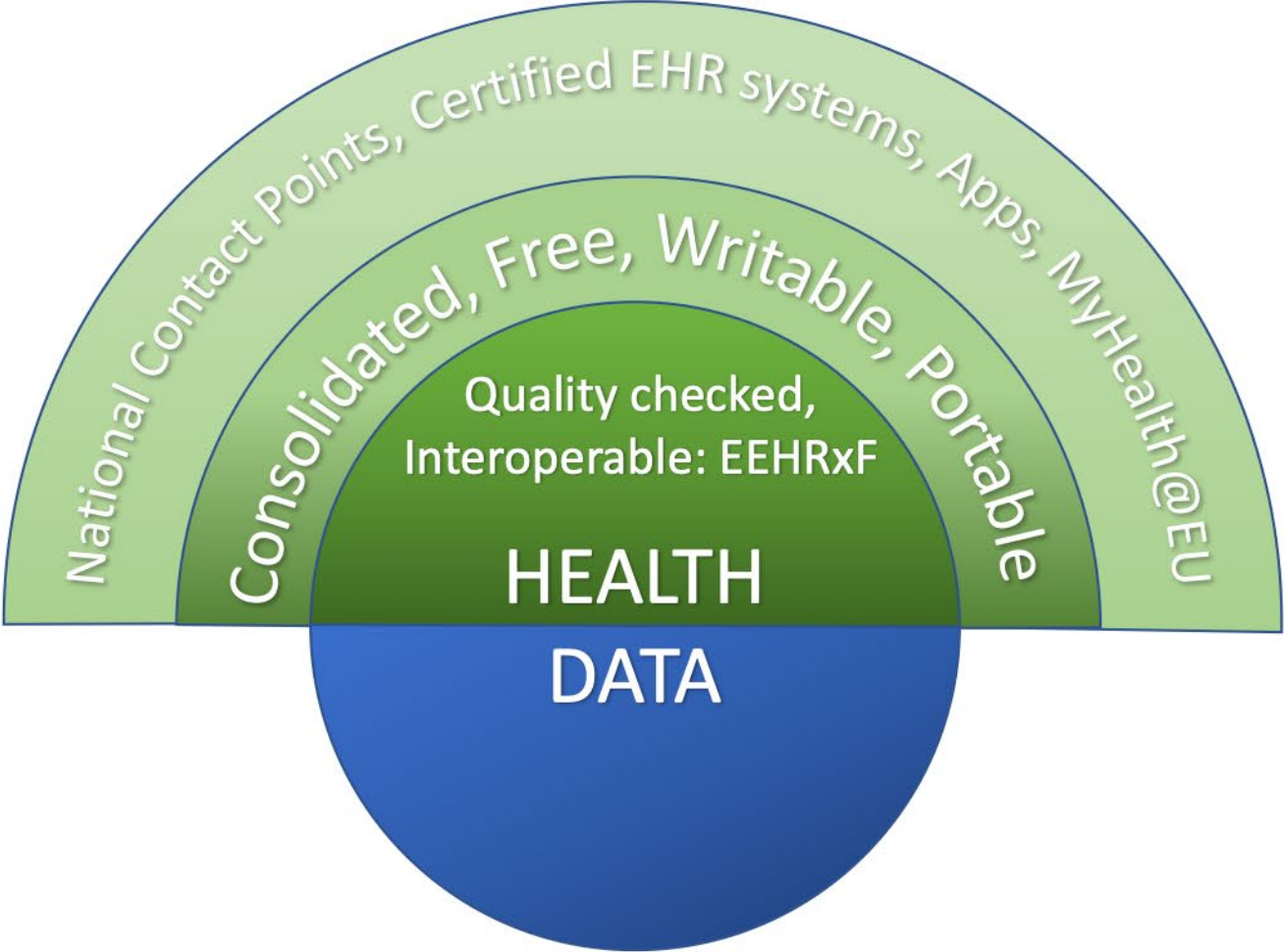
Secondary Use
For research and strategy

Primary Use
For health, care, wellness



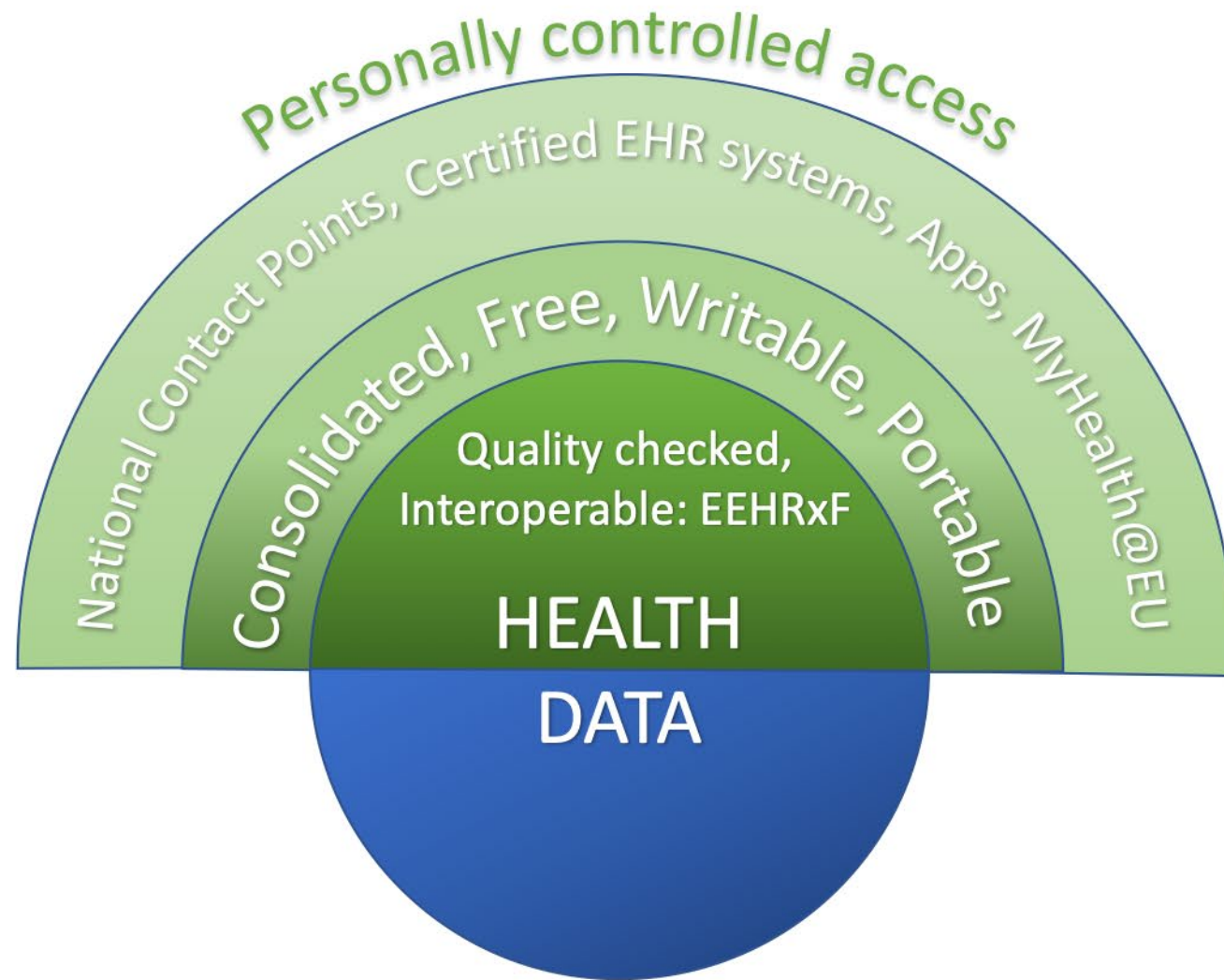
Secondary Use
For research and strategy

Primary Use
For health, care, wellness



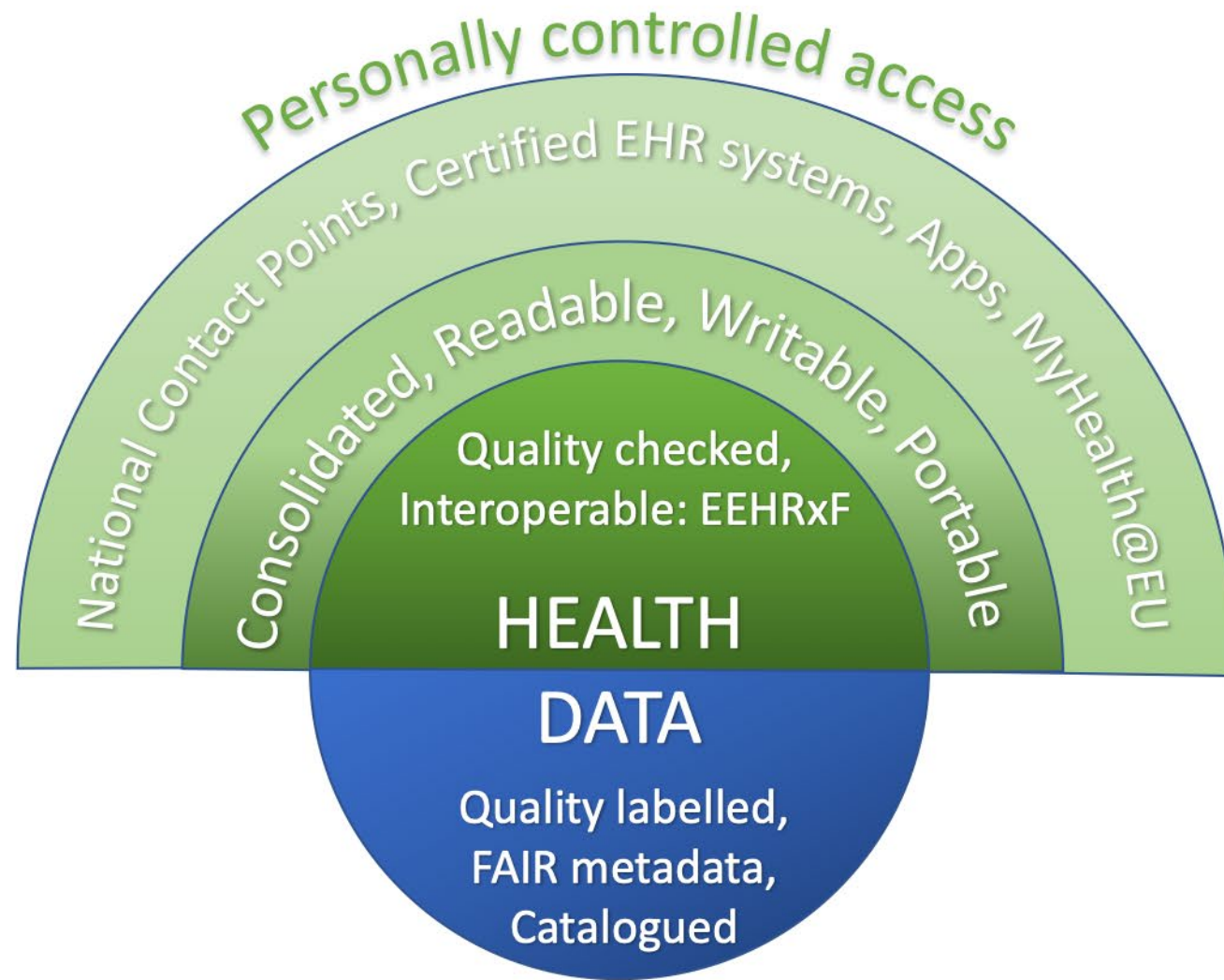
Secondary Use
For research and strategy

Primary Use
For health, care, wellness



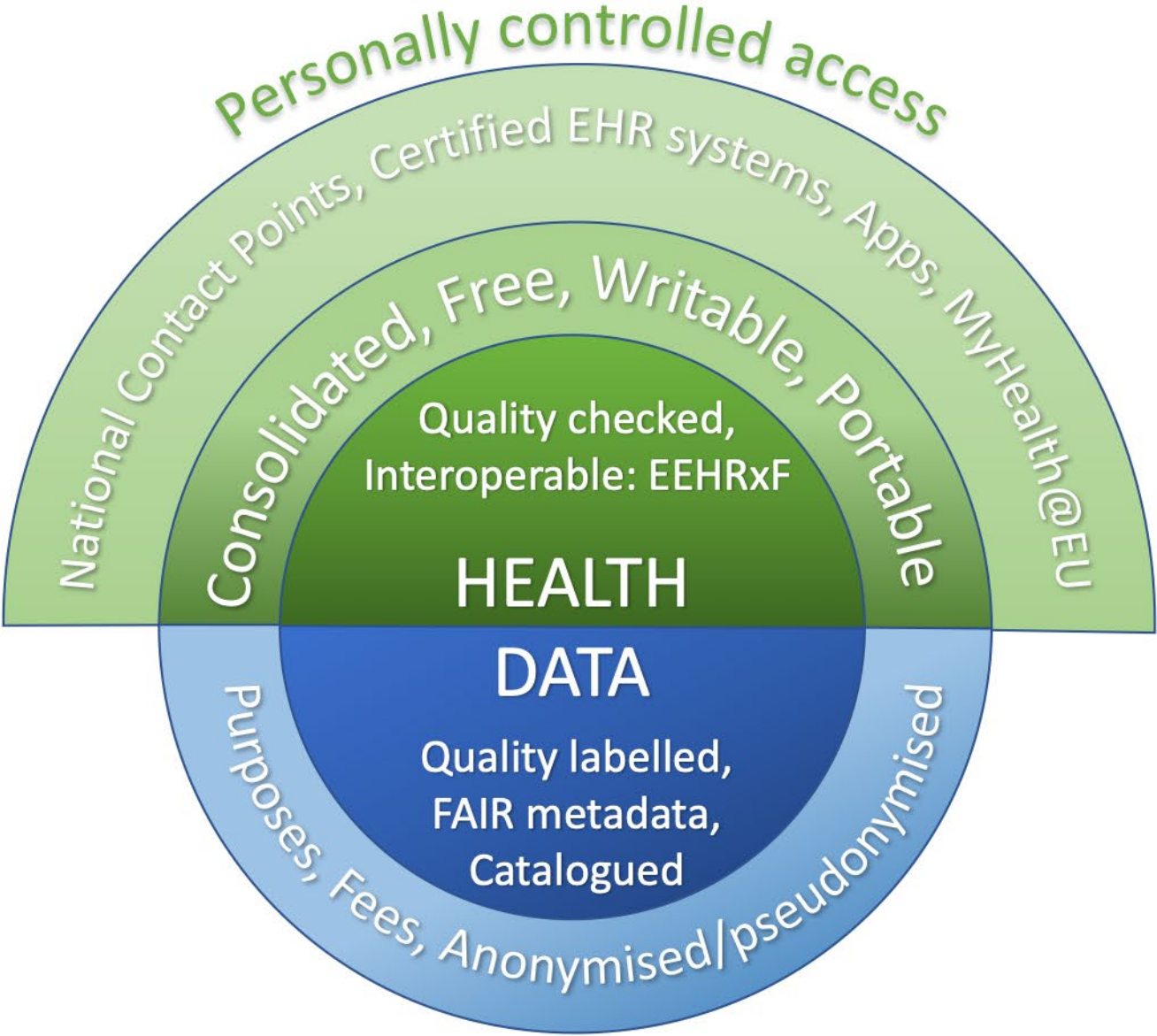
Secondary Use
For research and strategy

Primary Use
For health, care, wellness



Secondary Use
For research and strategy

Primary Use
For health, care, wellness



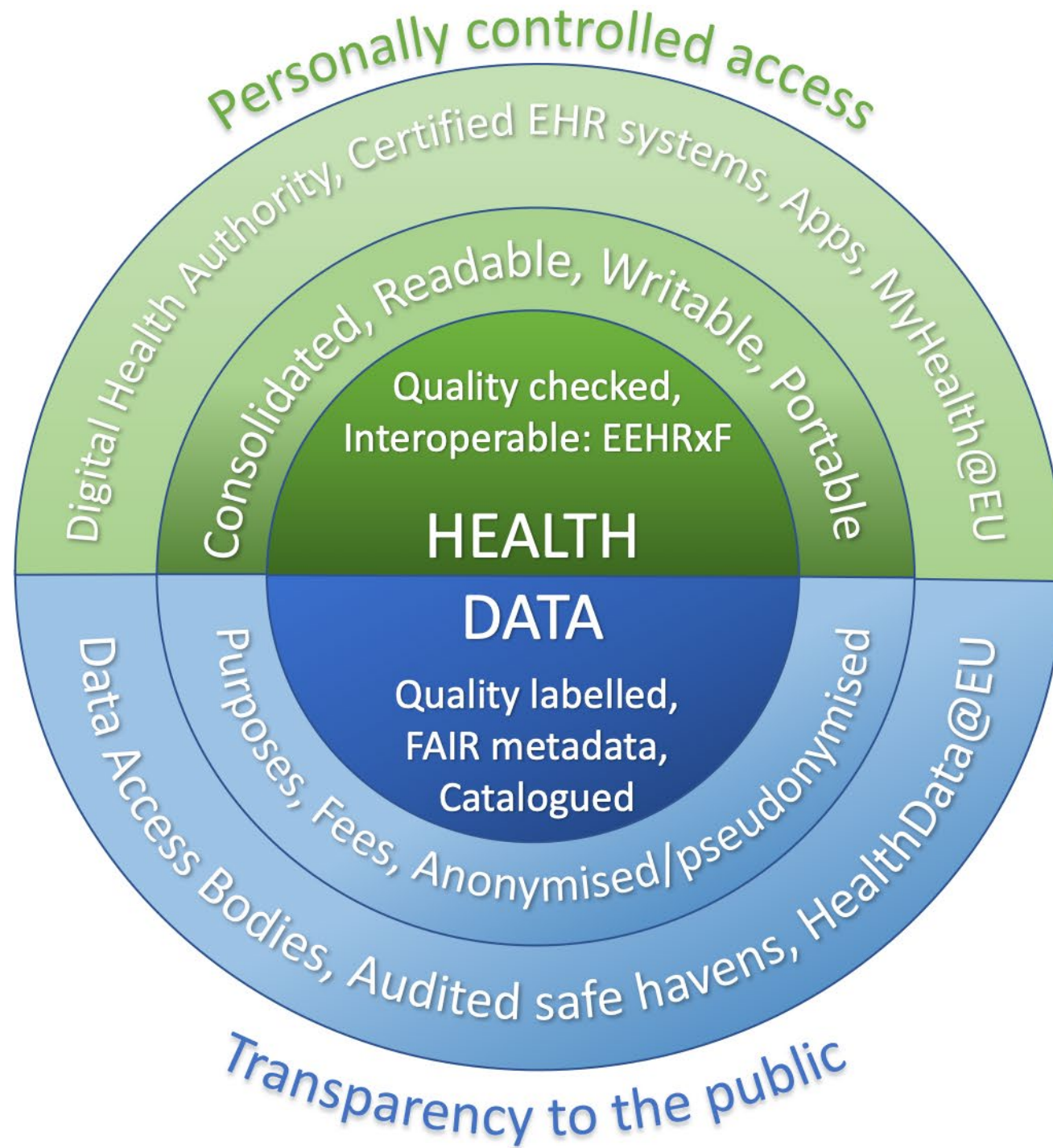
Secondary Use
For research and strategy

Primary Use
For health, care, wellness



Secondary Use
For research and strategy

Primary Use
For health, care, wellness



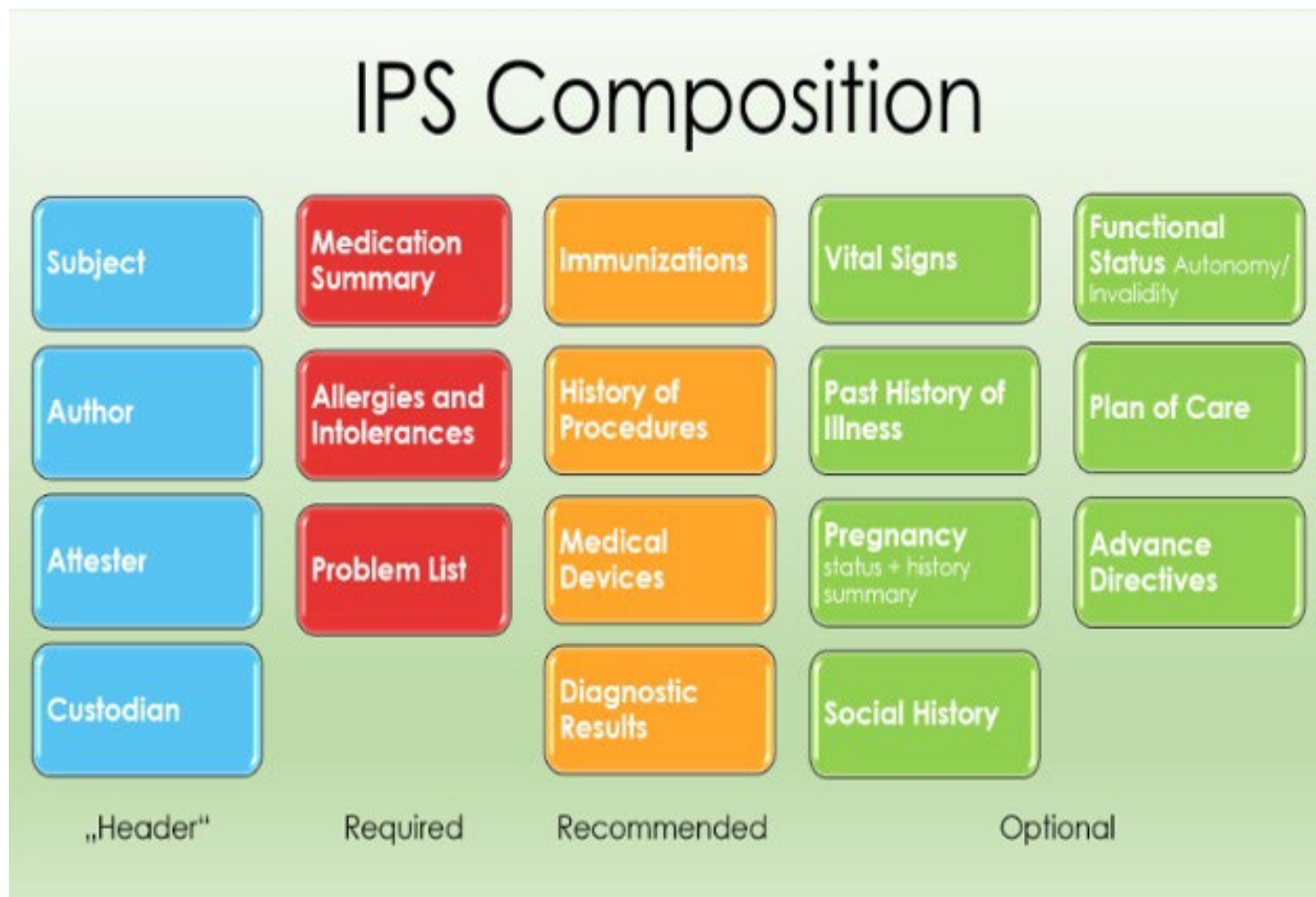
Secondary Use
For research and strategy

The European EHR Exchange Format

- Patient summary - closely related to the International Patient Summary (IPS)
- Electronic prescriptions
- Electronic dispensations
- Medical images and image reports
- Laboratory results
- Discharge reports

Adopted in the EHDS Regulation
Implemented through MyHealth@EU

Main content of the International Patient Summary



List of abbreviations

- EHDS: European Health Data Space
- iHD: Institute for Innovation through Health Data
- ICT: Information and Communication Technologies
- EHR: Electronic Health Record
- IPS: International Patient Summary
- EEHRxF: European Electronic Health Record Exchange Format