Space for Healthcare

Can space observation data complement (patient level) health data to improve Public Health?

Chris van Bronckhorst
Head of EU Health agencies

Agenda

+ IQVIA and health data

+ Applying health data for Public Health purposes

+ Need for extended data sources to comprehensively support Public Health policies

IQVIA is a life science company that supports organizations in monitoring and improving public health themes

Health Data management is one of our core competencies

100+ Billion
Healthcare records processed annually

1.2+ Billion
Non-identified patient records

60+ Petabytes
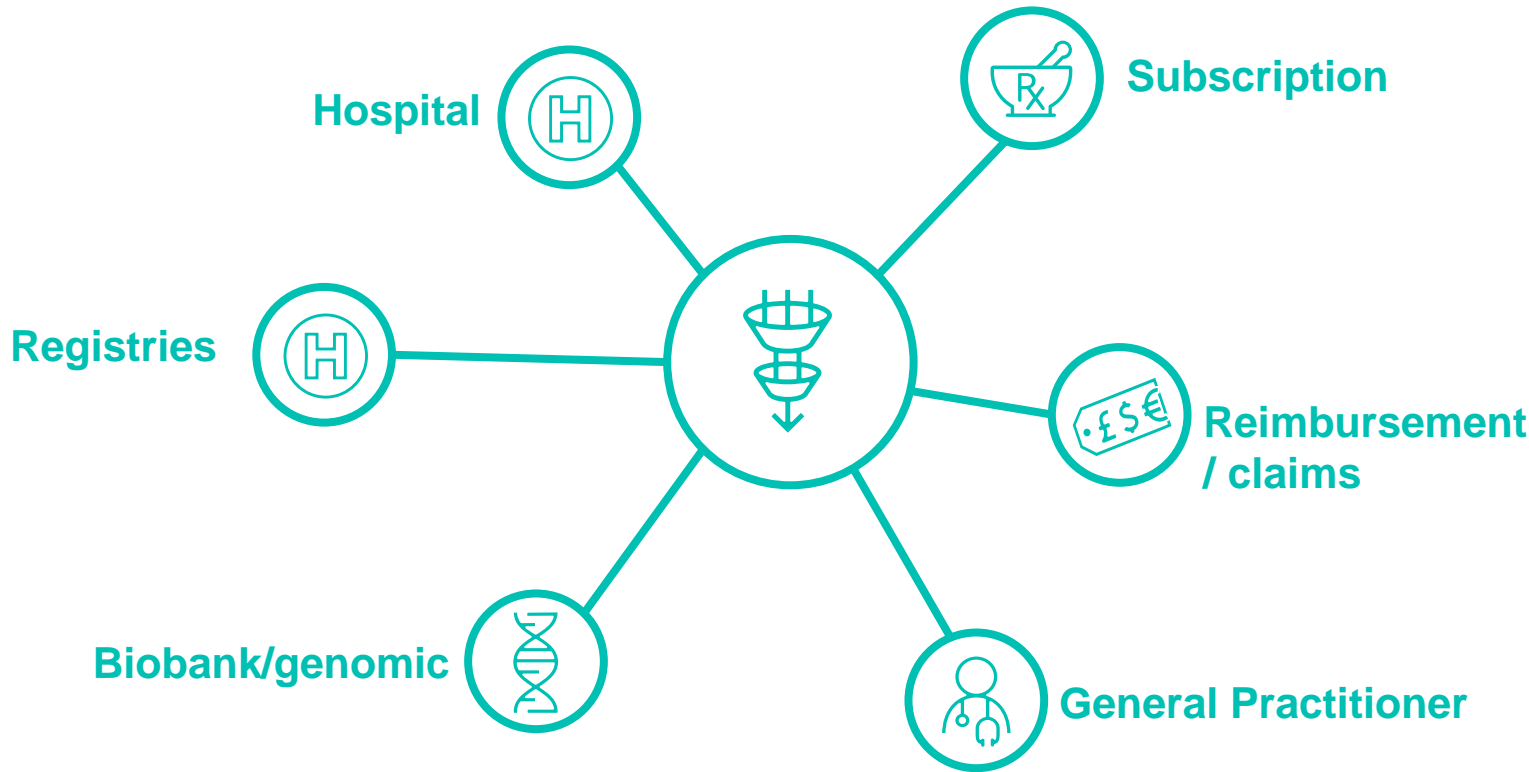Of unique healthcare data

3,500+
Clinical trial site network, wholesalers, pharmacies

100+ Million
Patient network for trial recruitment

100+
Countries

10,000+
Customers

86,000+
Employees

Type of health data sources used to help manage Public Health (and decision making)

Hospital

Registries

Biobank/genomic

Subscription

Reimbursement / claims

General Practitioner

A diversity of health data sources are used to generate Public Health insights and evidence
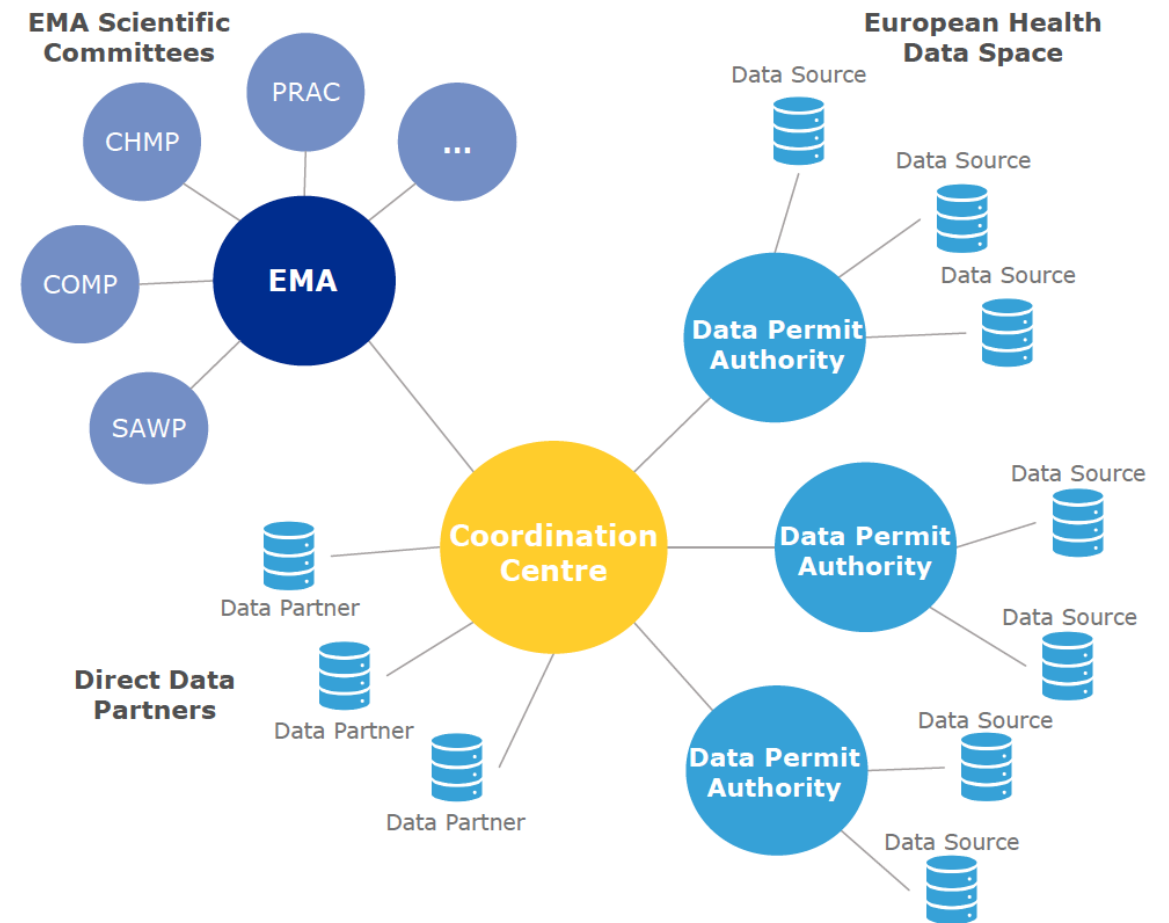
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DARWIN: Pharmacovigilance use case

Data Analysis and Real World Interrogation Network

DARWIN EU® is a **federated network of data, expertise and services** that supports better decision-making throughout the **product lifecycle of medicines** by generating reliable evidence from **real world healthcare data**

Principles of federated network:
- Data stays local
- Use of Common Data Mode
- Data Partners will be selected which will provide all types of patient level data
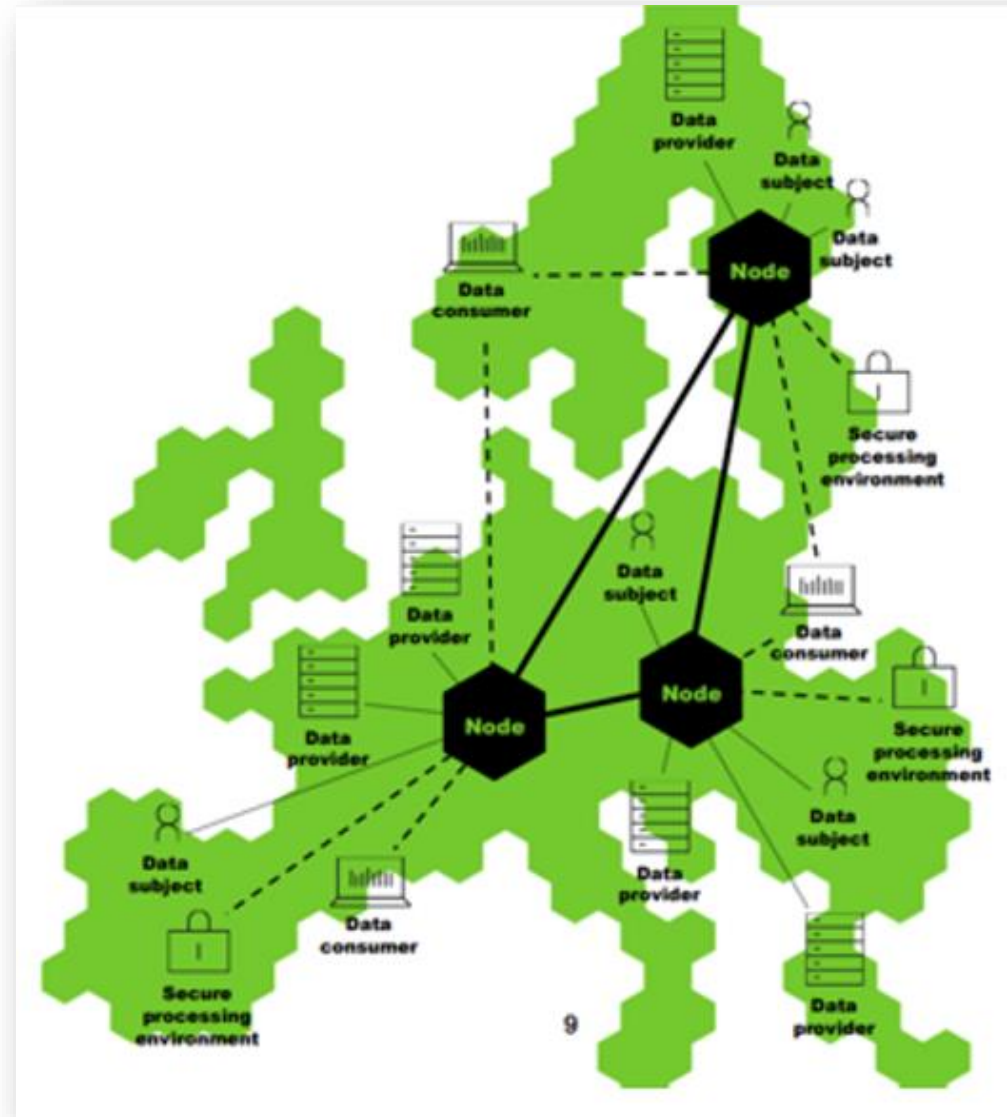
The European Health Data Space (EHDS)

The EHDS Initiative

This is an initiative of the **European Commission**:

- The **objectives** of EHDS is twofold,

  EHDS1: support cross border health care

  EHDS2: facilitate the re-usage of health data for secondary purposes (research & innovation, safety, efficacy)

- The proposed legislation will force Data Holders to **mandatory share health data for secondary purposes** and make the data available in the EHDS network

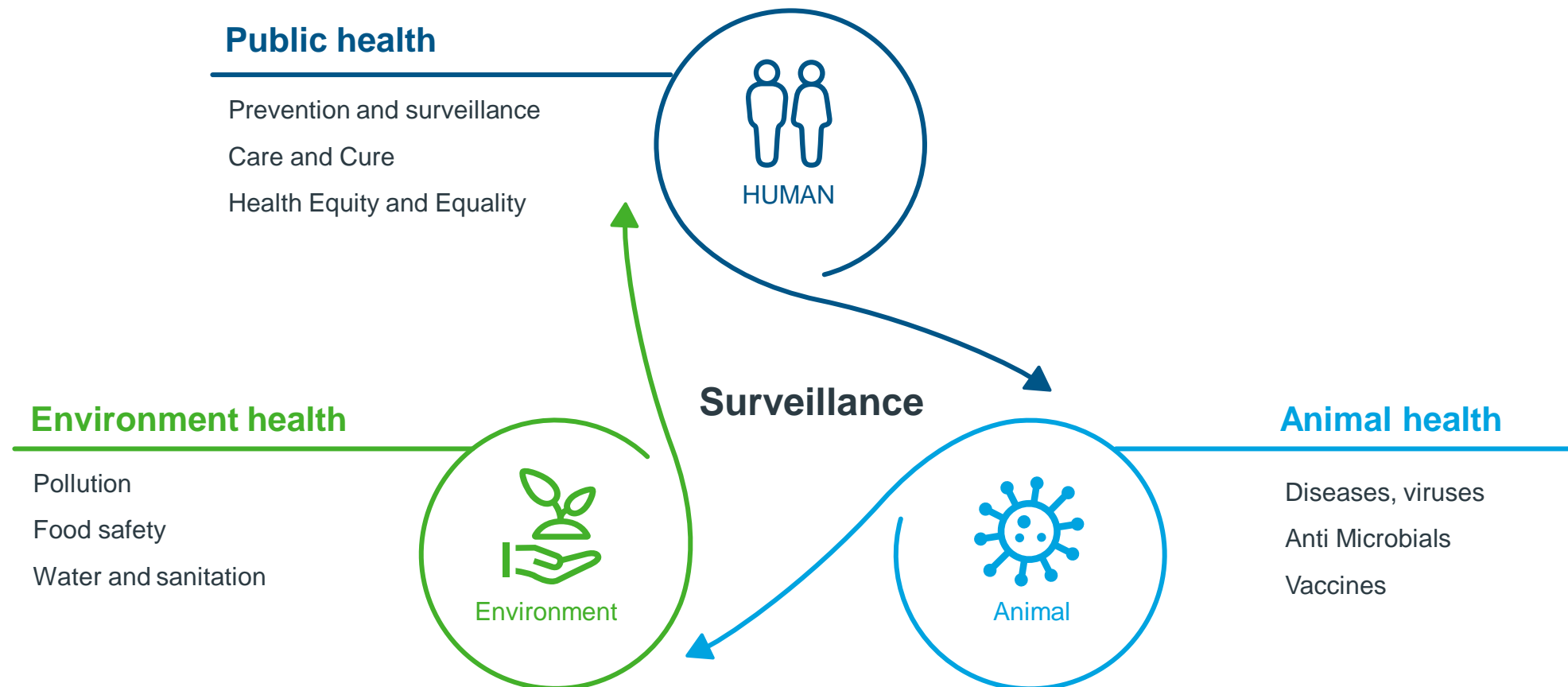- The data shared in the network is **patient level data** only

Public Health becomes One Health: from human focus to a holistic health approach

Patient level data is not sufficient to generate comprehensive insights and evidences for One Health

Public Health: *Protecting and improving the health of people and their communities*
One Health: *Health of people is closely connected to the health of animals and our shared environment*

Public health

Prevention and surveillance

Care and Cure

Health Equity and Equality

HUMAN

Surveillance

Environment health

Pollution

Food safety

Water and sanitation

Environment

Animal

Animal health

Diseases, viruses
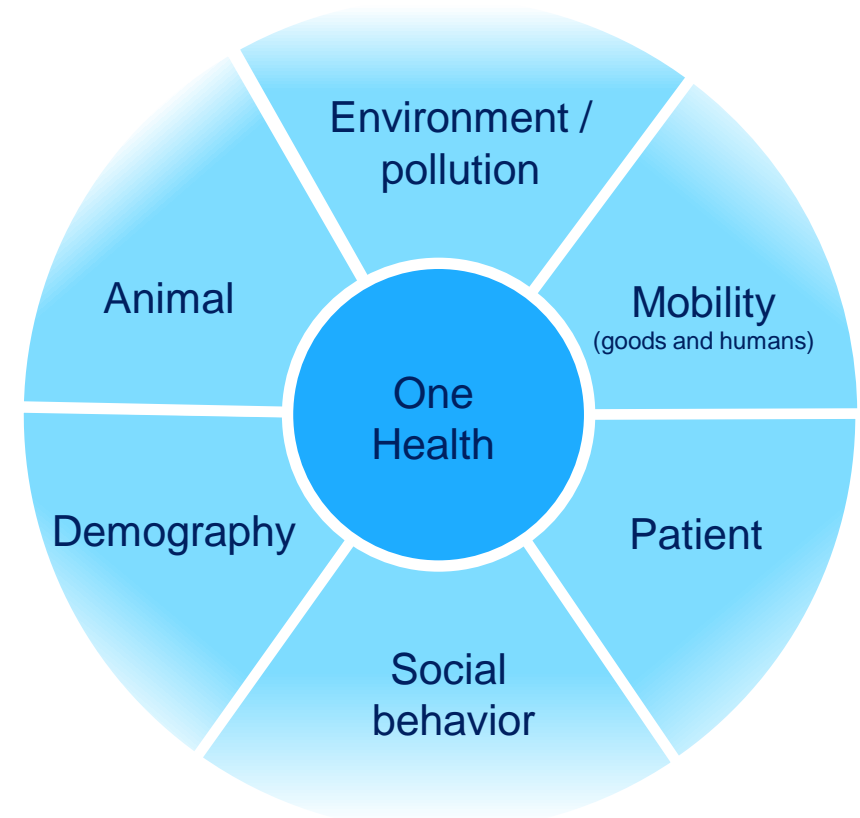
Anti Microbials

Vaccines

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A multitude of data types is needed to generate comprehensive insights to manage One Health

How does space observation data fit in this fan?

The fan needs to provide:

- ✓ interoperable data to generate actionable insights

- ✓ descriptive as well as predictive insights

- ✓ data with a low latency as well (near real time)

- ✓ qualitative data which is fit for purpose (also for regulatory purposes)

Environment / pollution

Mobility (goods and humans)

Animal

One Health

Patient

Demography

Social behavior

Example only: Not a comprehensive view of all data types

Thank you