

Health Data Governance For the Digital Age

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» THE OECD*: A UNIQUE HUB FOR INTERNATIONAL COOPERATION

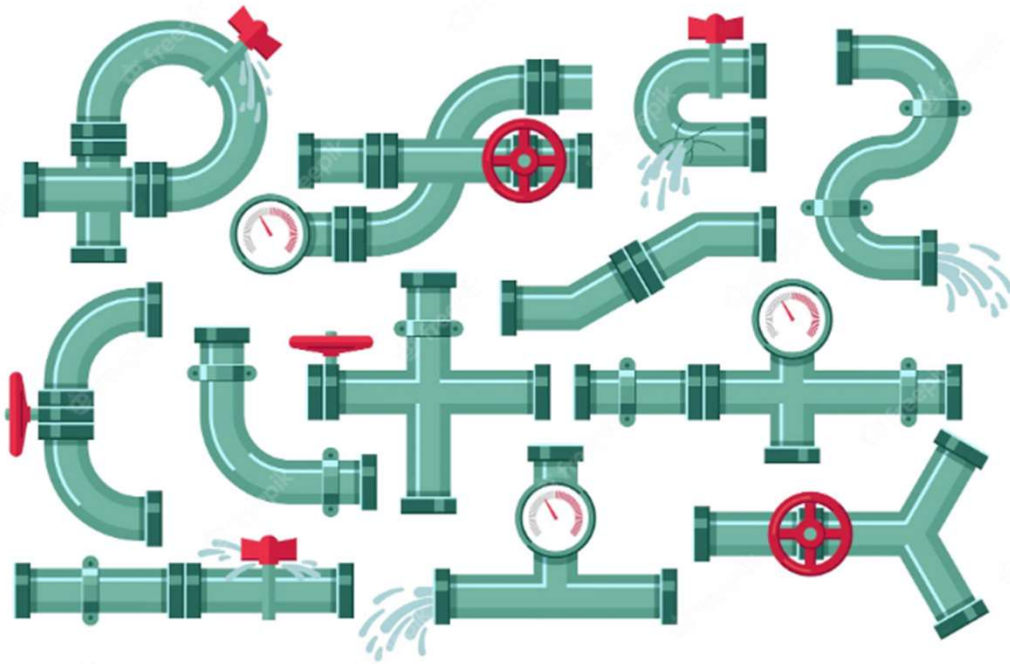
- 38 Members: open market economies with shared values
- Created from the rebuilding of Europe after WWII
- 63 year-old intergovernmental organization where members, partners and stakeholders **learn from each other** through **data gathering** and **evidence-based practices** for shaping international standards to **improve lives**
- Covers all areas of policy (except defense) which allows multidisciplinary cooperation
- 2017 Health Data Governance Standards;
2019 AI Framework,
2022 Digital Security Risk Management Framework;
2023 Digital Identity



*Organization for Economic Cooperation and Development <https://www.oecd.org/about/document/oecd-convention.htm>

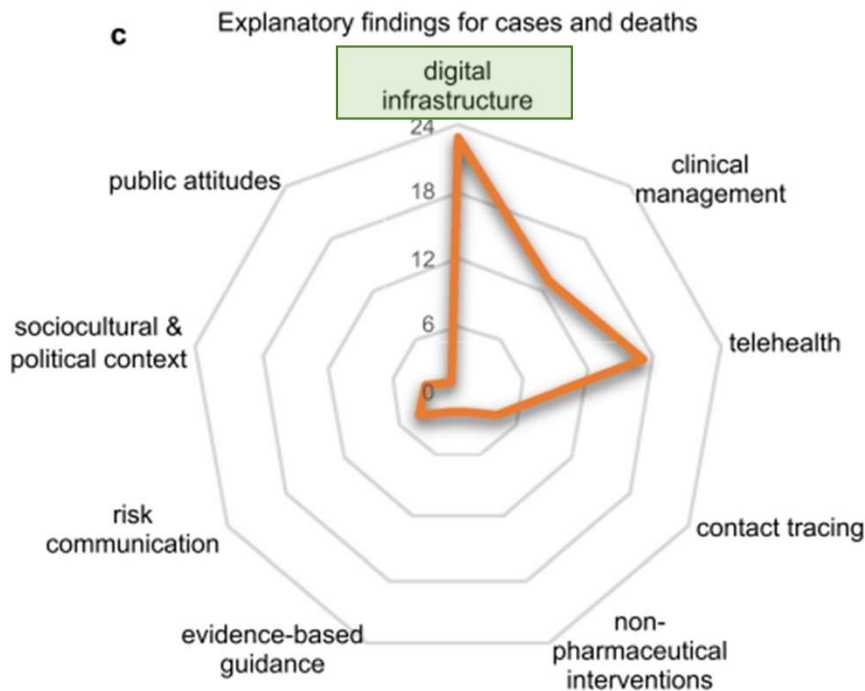


Our challenge in digital health: Fragmentation by design





Experiences during COVID-19 demonstrated the value of digital health tools ...



Recent paper examined root causes of COVID-19 cases and deaths

The first theme encompasses the **importance of digital health tools integrated into the health care system**. These include various electronic methods such as telemedicine to support clinical staff in managing patients or electronic medical records to facilitate the digital infrastructure of medical facilities and **reduce massive pressures on hospitals**. By strengthening health systems, hospital management, and clinical workflows, these technologies, in one way or another, may have a **direct impact on decreasing morbidity and mortality**.

Digitalization impacts the COVID-19 pandemic and the stringency of government measures, Heinrich et al (2022)



Other industries have transformed themselves while managing their core aims ...



Better products
Safe travel



Better services
Lower credit risk



More choice
Efficient supply chain

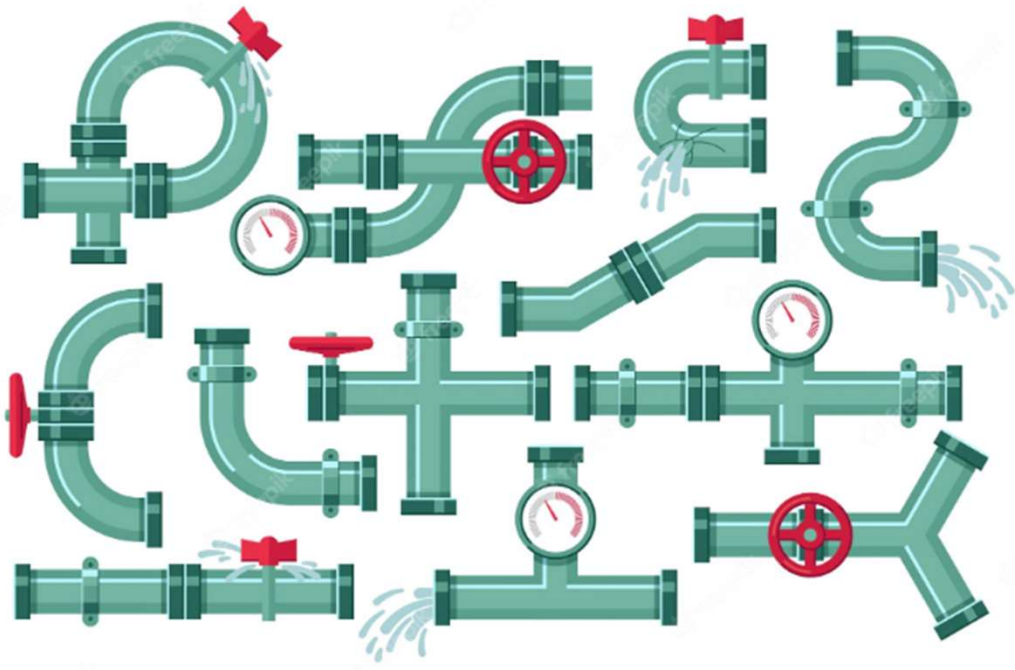
Diverse channels
High quality delivery



All rely on timely access to quality data to fulfil their missions



Health Data Governance: Focus on timely access to quality data

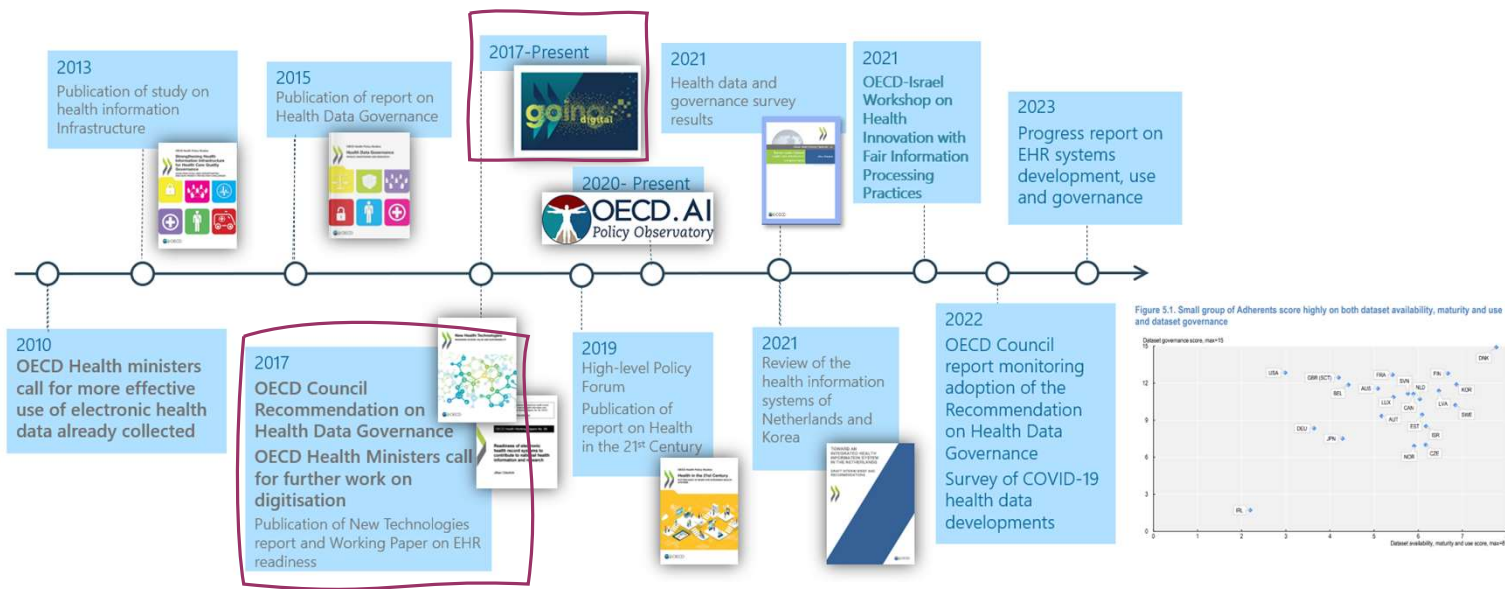


From fragmentation



To integration

OECD role in advancing Health Data Governance

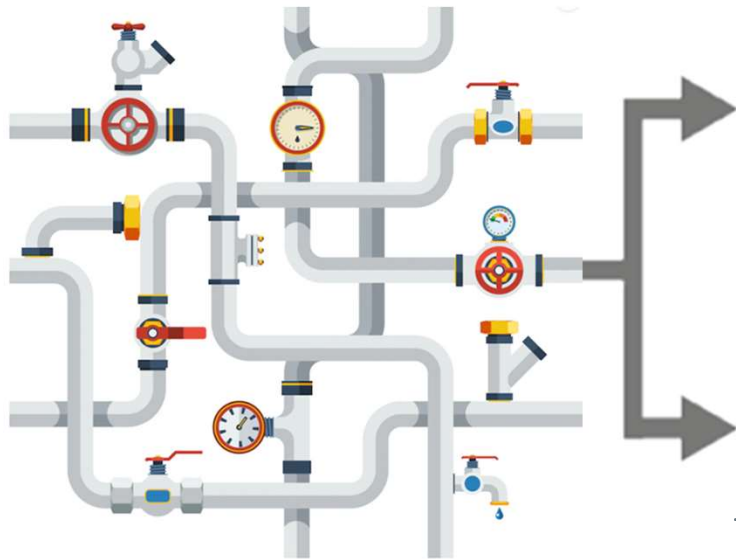


OECD work in health data governance since 2010 ...

- Access & Privacy
- Security
- Literacy, Capacity, Capability
- Stakeholder involvement in policy design and harmonisation
- Oversight, monitoring, and governance
- Innovation
- Interoperability



Challenge of Health Data Governance: Coordination across data supply chains

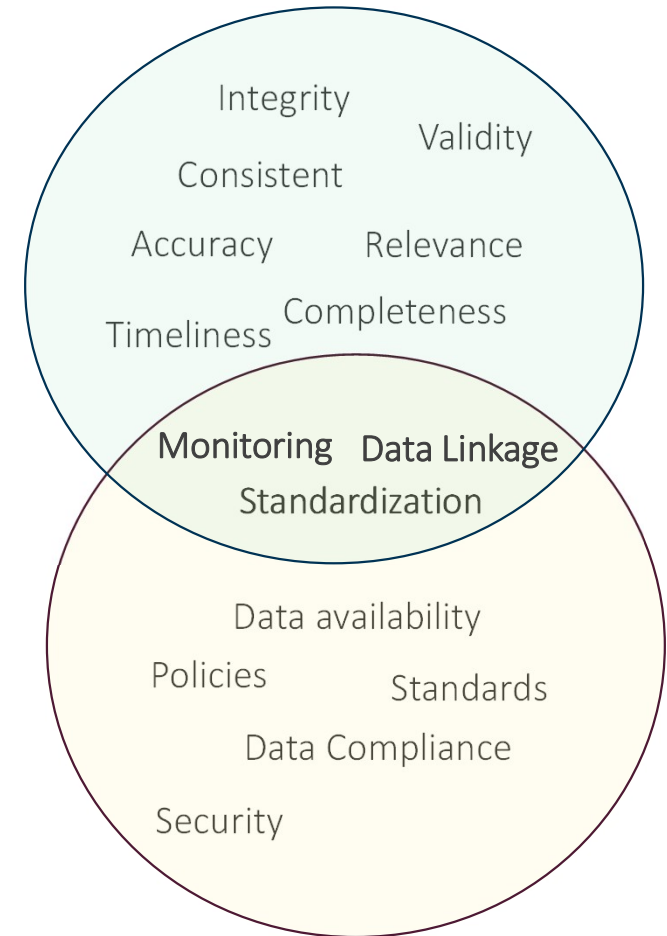


Data Quality

Ensures water is pure and does not get contaminated

Data Governance

Makes sure right people with the right tools are responsible for the right parts of the water system



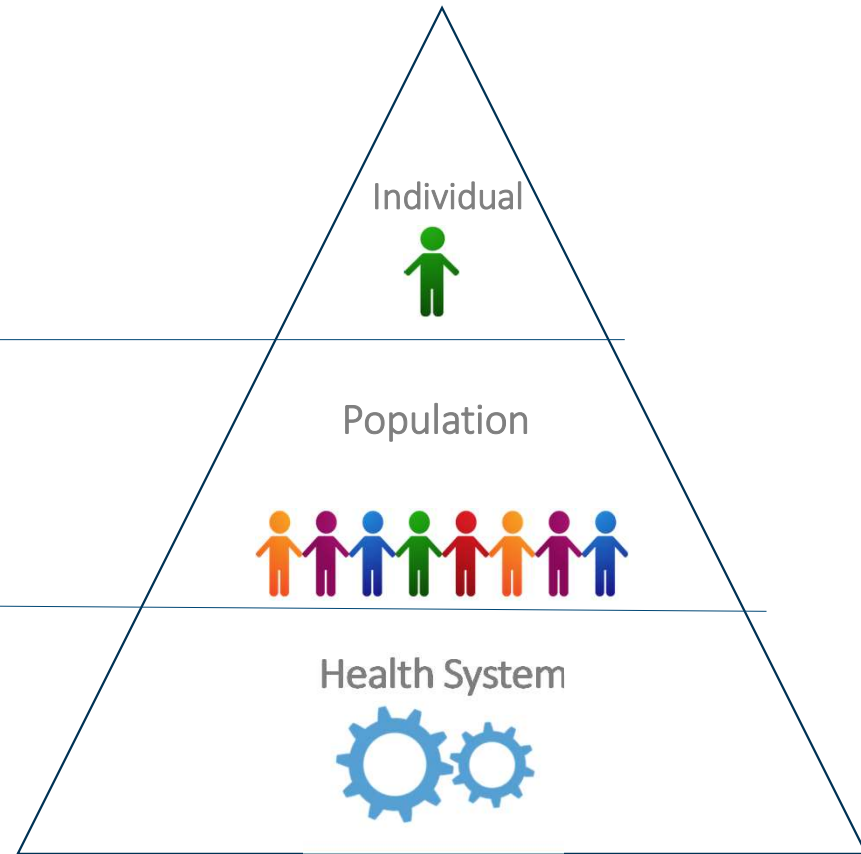


Challenge of Health Data Governance: To minimise harm and optimise outcomes

Breach of privacy / security rights
Breach of cultural rights
Breach of legal & ethical rights
Damage to physical or emotional health

Failure to benefit from science
Promote discrimination / inequities
Spread mis-/dis-information

Failure to optimize functions
Damage to workforce wellbeing
Failure to support innovation





Challenges of Health Data Governance: Interoperability



There are a lot of dots..

We need a map to connect them

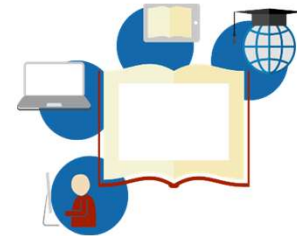
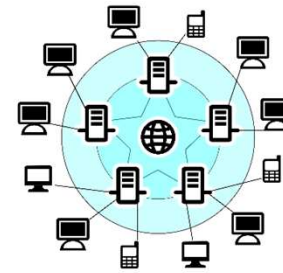


Challenge of Health Data Governance: Financing

Traditional Investment

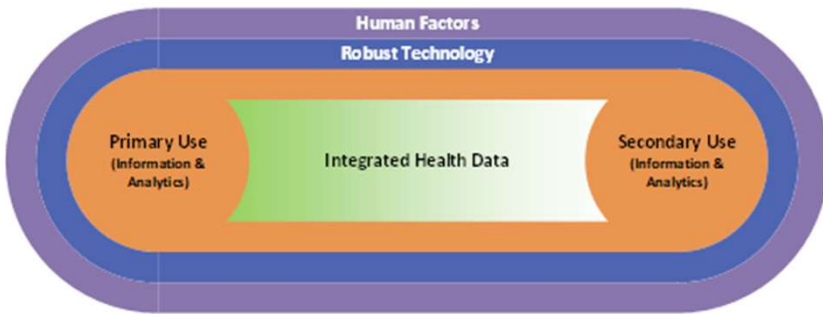


Investment in Networks

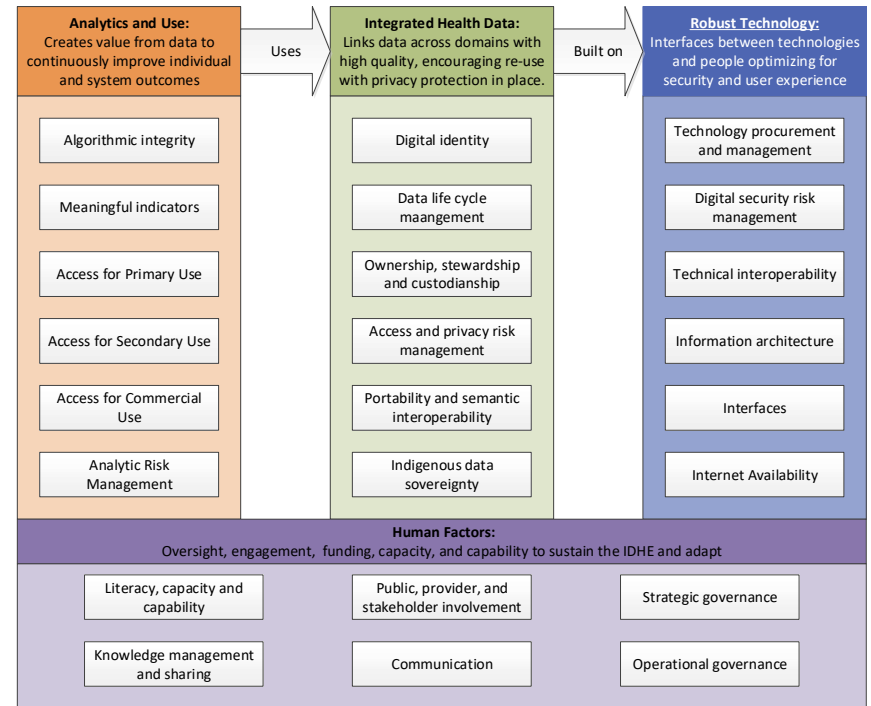




Broadening perspective: Integrated Digital Health Ecosystems (IDHEs)



- In an Integrated Digital Health Ecosystem insights from
- **responsible analytics (including AI)** are generated from
 - **integrated quality data** collected and stored by
 - **digital tools** with **protections** and
 - **sufficient human capacity** and **societal alignment**

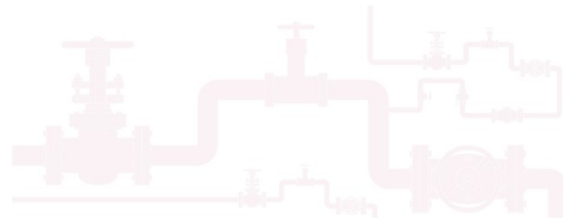




Digital Health relies on people, policy, human factors, and technology

It is important to **resist the temptation** to simply use digital tools to supplement the way care is currently provided.

Better **sustained outcomes** require **coherent policies** that drive **compatible technology solutions** that are **powered by people**.





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It is time to bring health into the 21st century

“The key barriers to building a 21st century health system are not technological.

They are in the institutions, processes and workflows forged long before the digital era.”

Email us

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