

The foundation for semantic interoperability in Canada

Introducing the pan-Canadian Health Data Content Framework

March 28, 2024

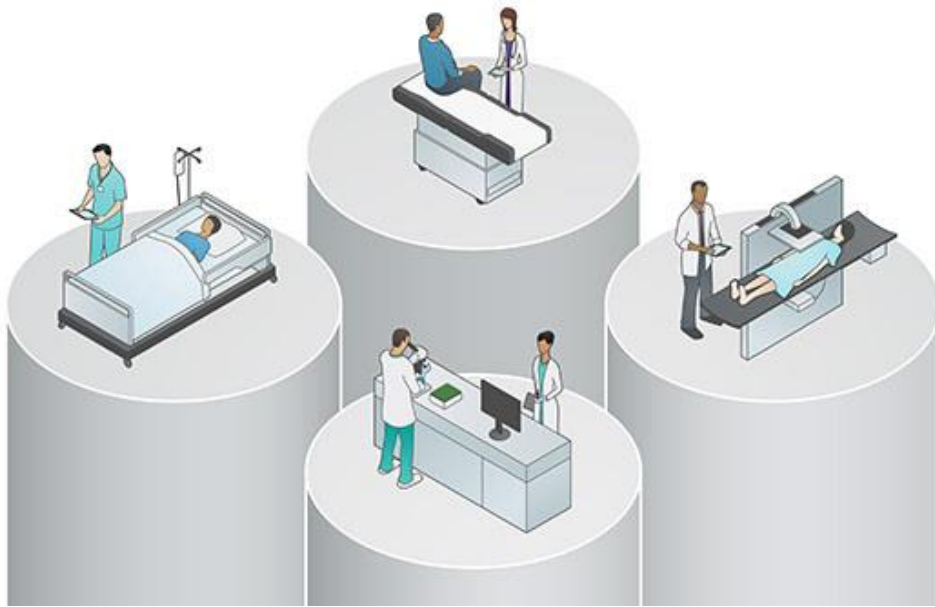


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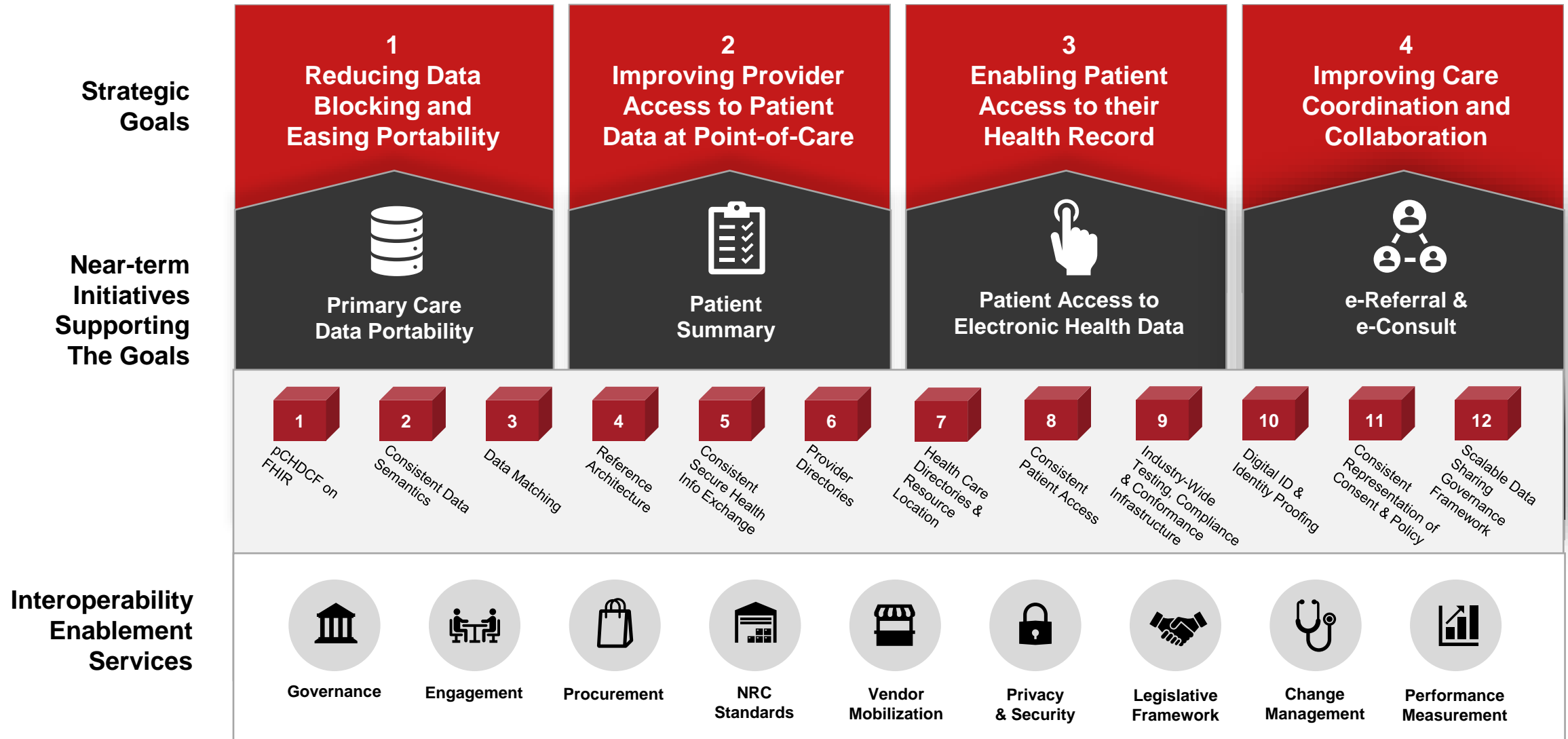


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Canada has experienced progress in its digital health evolution... but more work is needed!

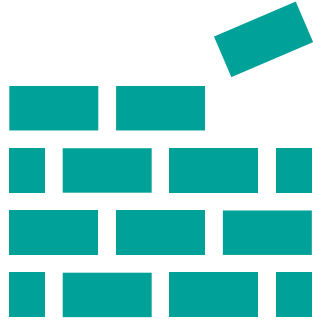


Shared Pan-Canadian Interoperability Roadmap at a Glance



CIHI and Infoway are partnering to modernize health information flows and create a connected health system

1



Health data content foundation:

Defines the underlying data content and data structure on a pan-Canadian basis to be exchanged.

2



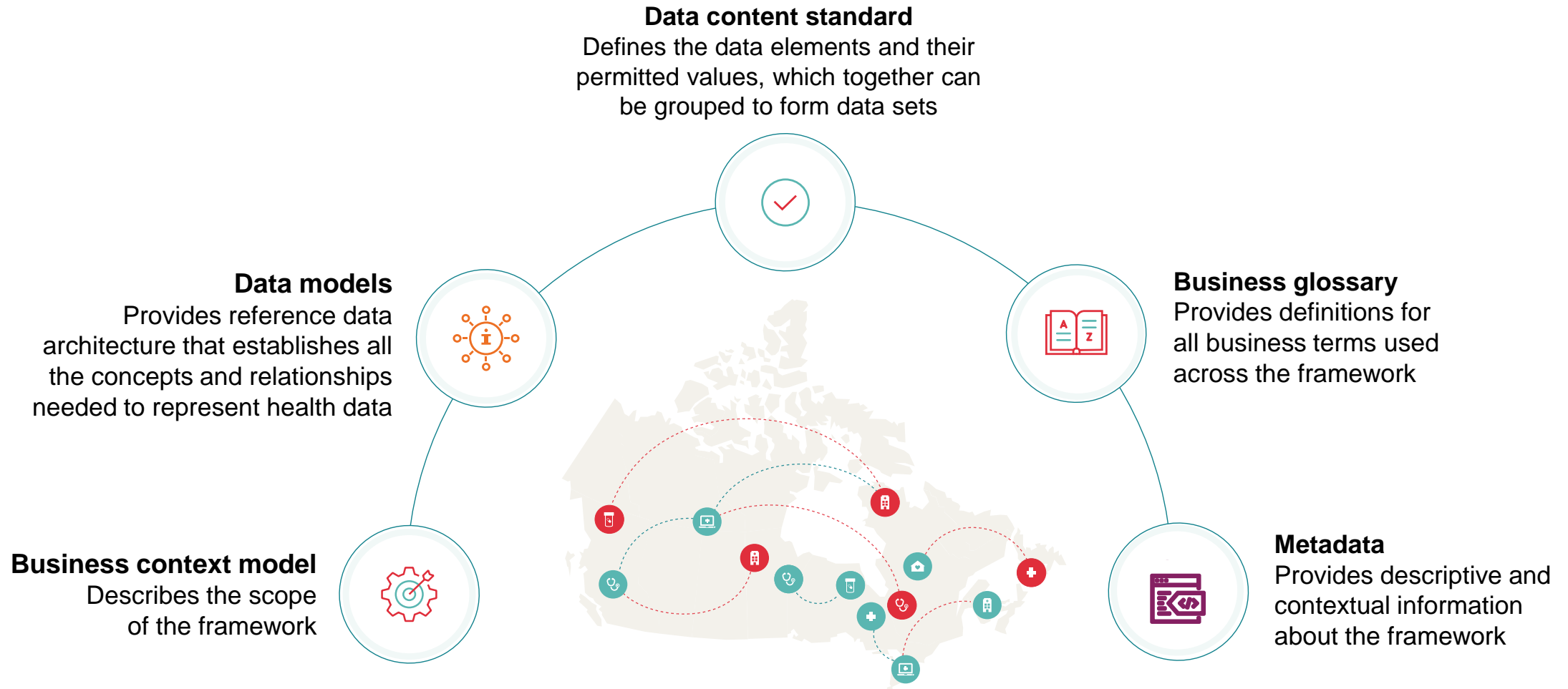
Data exchange:

Builds technical exchange standards to move discrete data points in response to specific use cases.



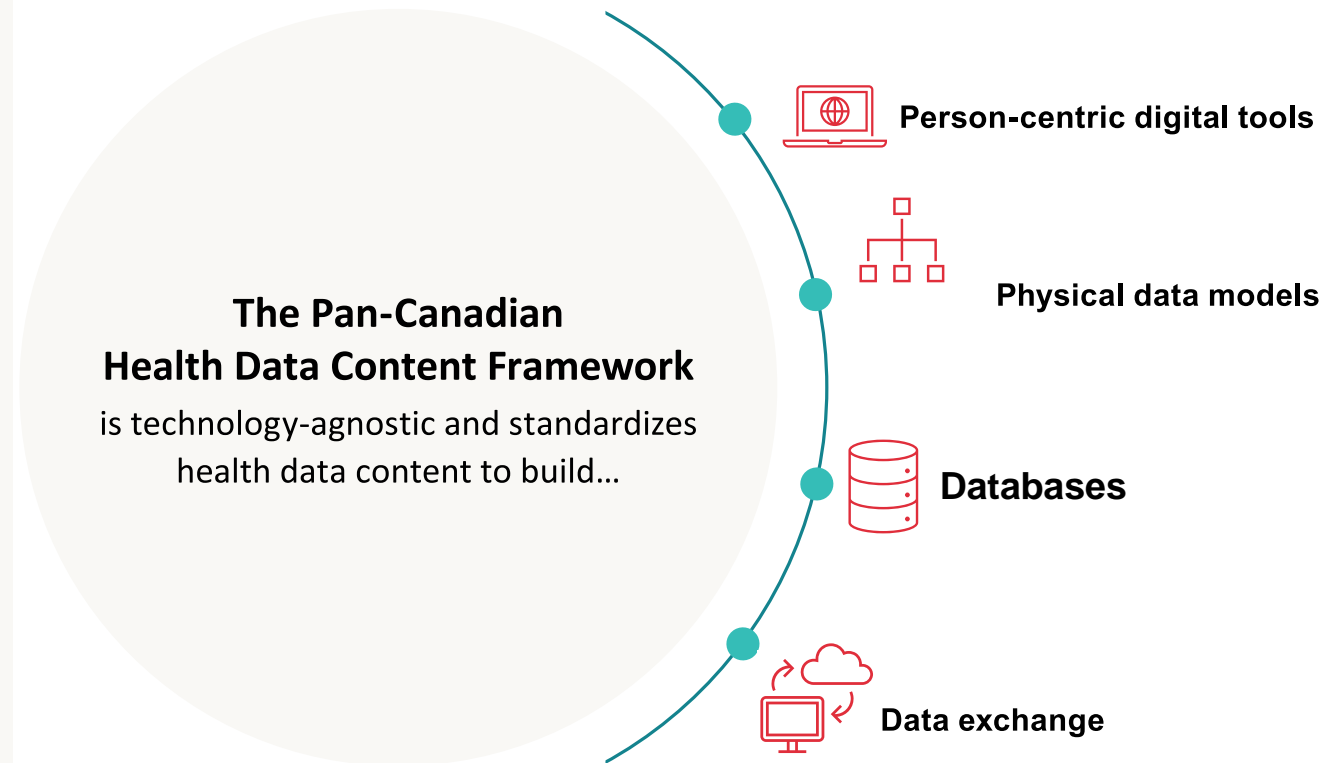
Without data standardization at the point of capture, the information exchanged will not be meaningful

The pan-Canadian Health Data Content Framework is a single cohesive product with many deliverables



The pan-Canadian Health Data Content Framework will address several objectives

- **Defines the content of health data**, in a standardized way, to capture information about a **person** that is required to provide quality care
- **Provides the data architecture** to create efficiencies for use in building **person-centric digital tools**
- Enables the **building of use-case-driven exchange standards** to move data around, ensuring that the data carries the same meaning across all senders and recipients



Scope of the Data Content Standard



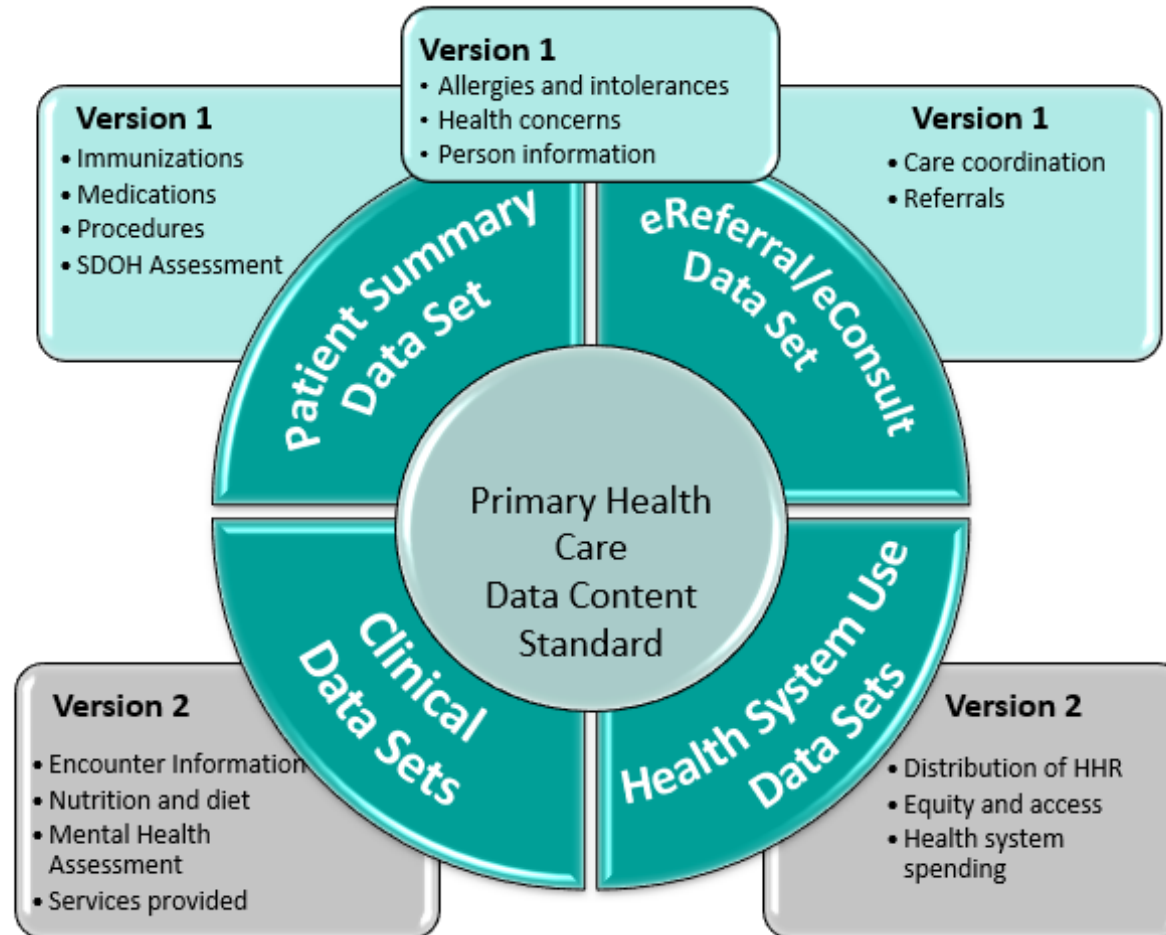
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Release of pan-Canadian Health Data Content Framework

The data content standard will **organize and re-use the data elements into purpose-driven data sets** in the context of the common data architecture



Version 1 (Sept 2024)

- Focus on primary health care
- Patient Summary
- eReferral
- eConsult

Subsequent versions

- More Person Health
- More Population and Public Health
- Care organizations
- Health system planning
- Expand into acute care

A close-up of the draft Data Architecture

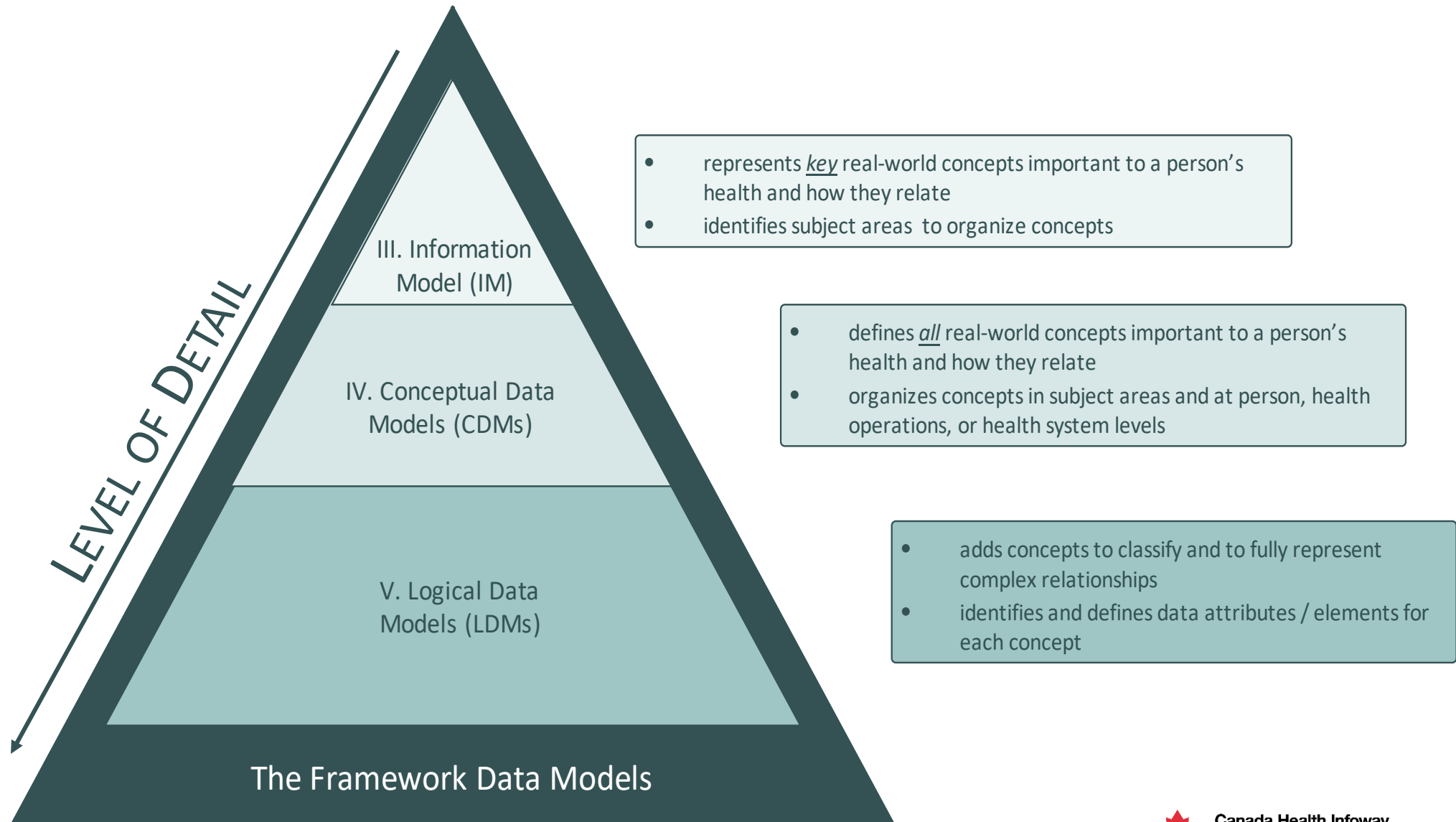


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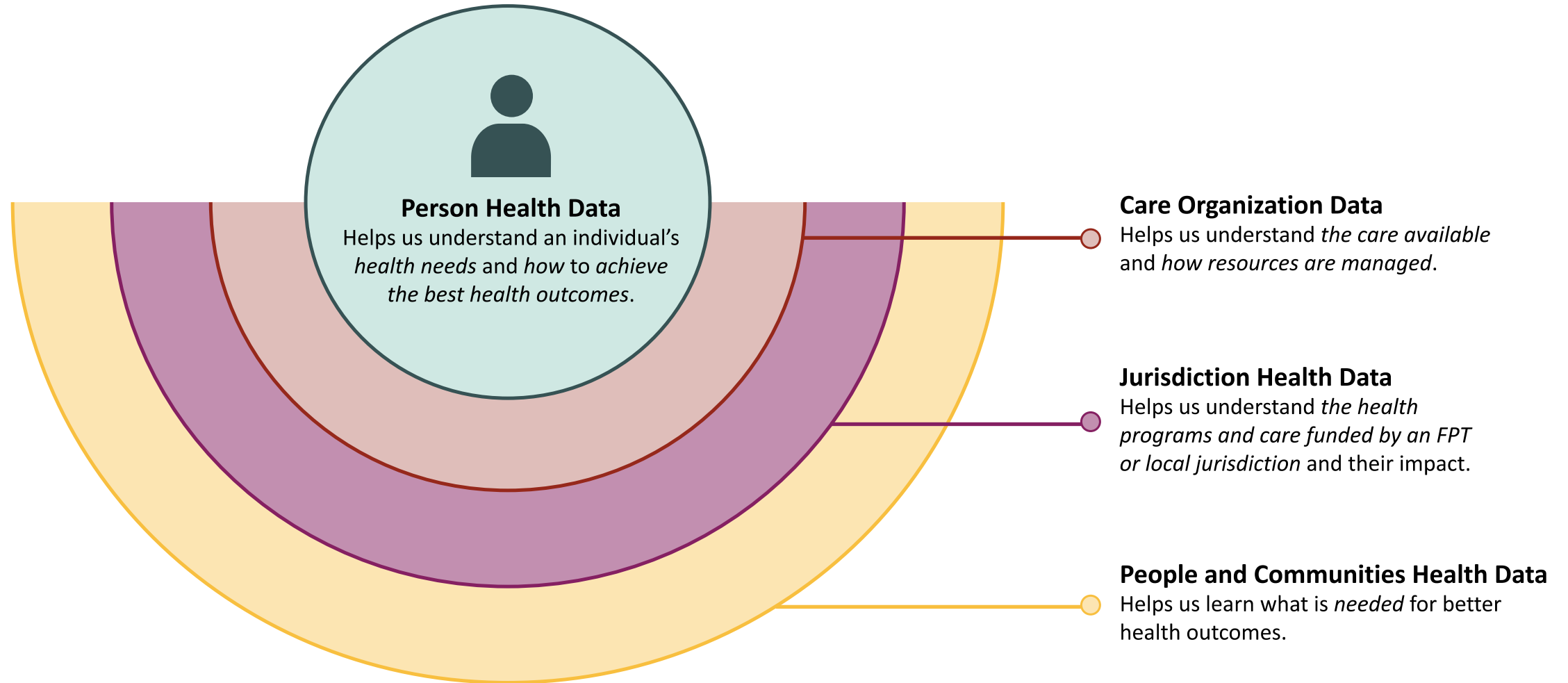


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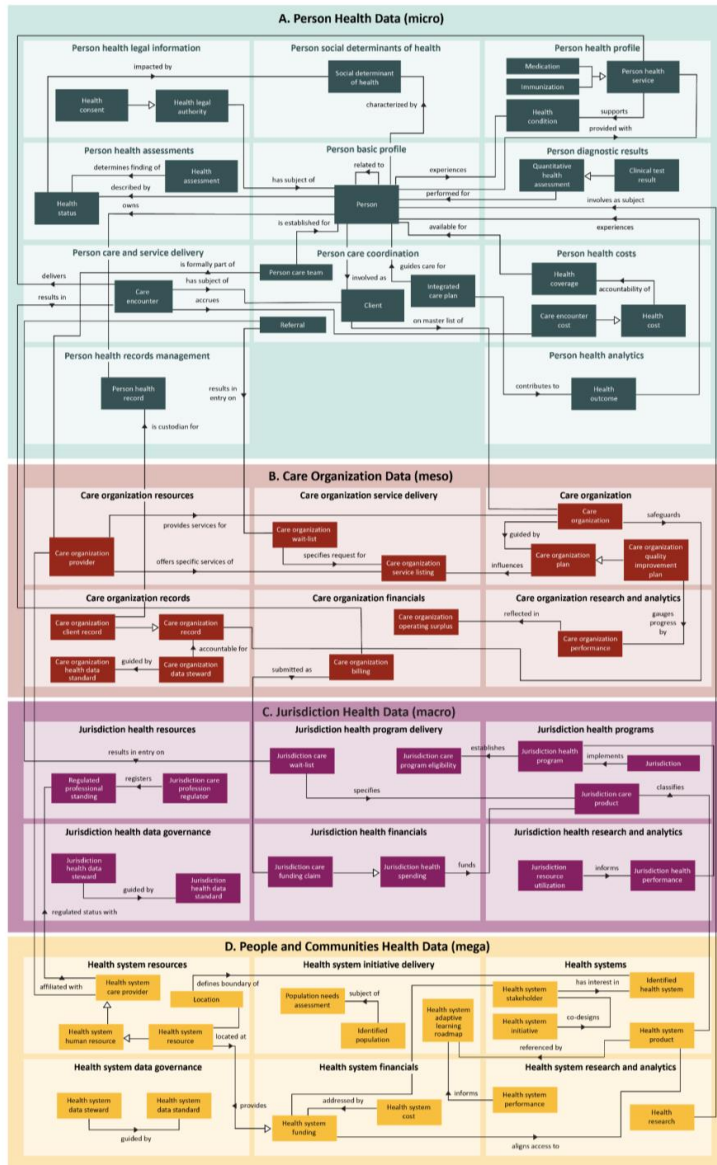
Three data models will be delivered



Consistent data is needed across all layers for better health outcomes



The information model

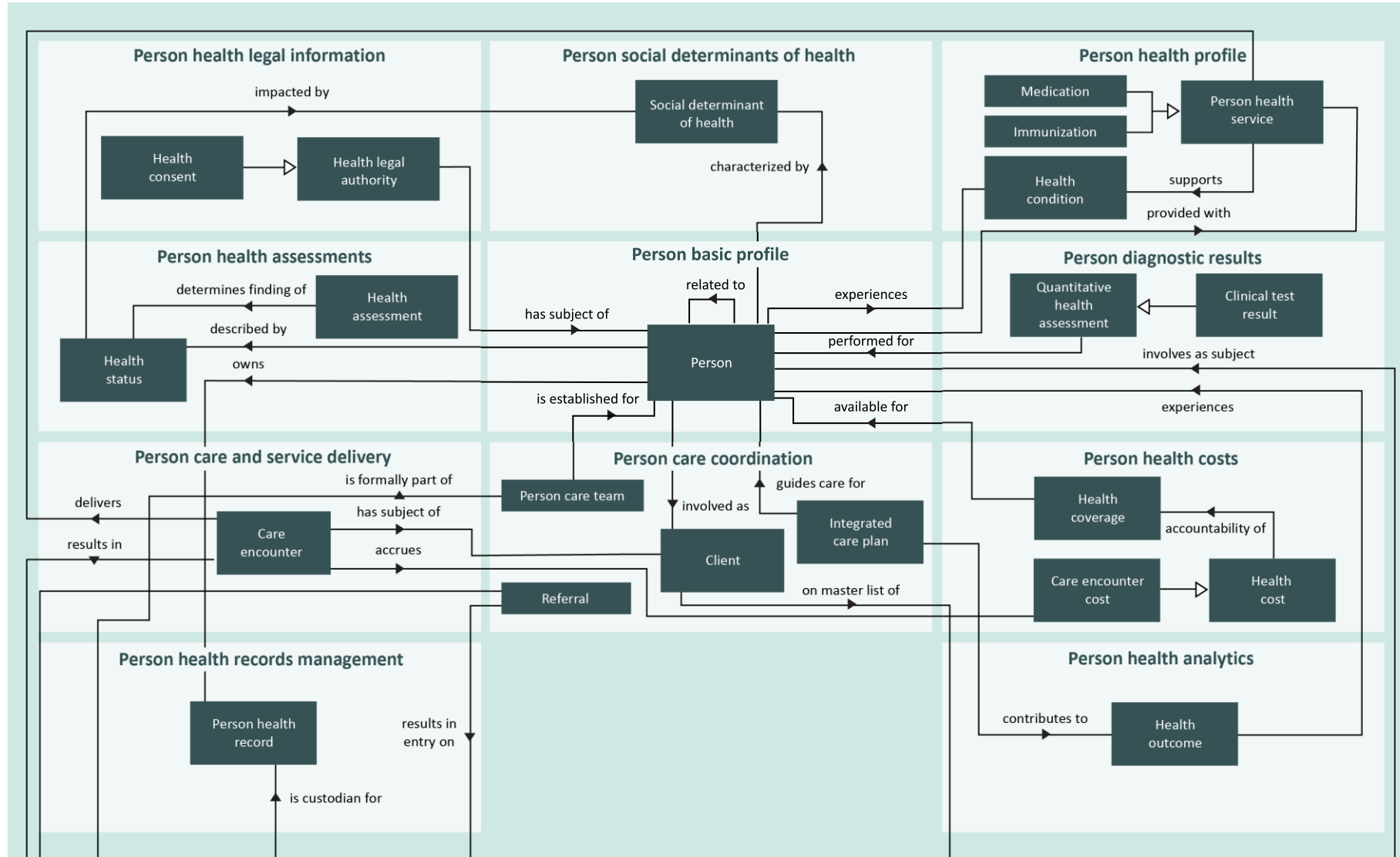


In the 4 layers important to person health:

- Person Health Data (micro)
- Care Organization Data (meso)
- Jurisdiction Health Data (macro)
- People and Communities Health Data (mega)

Within 29 subject areas (at this time)

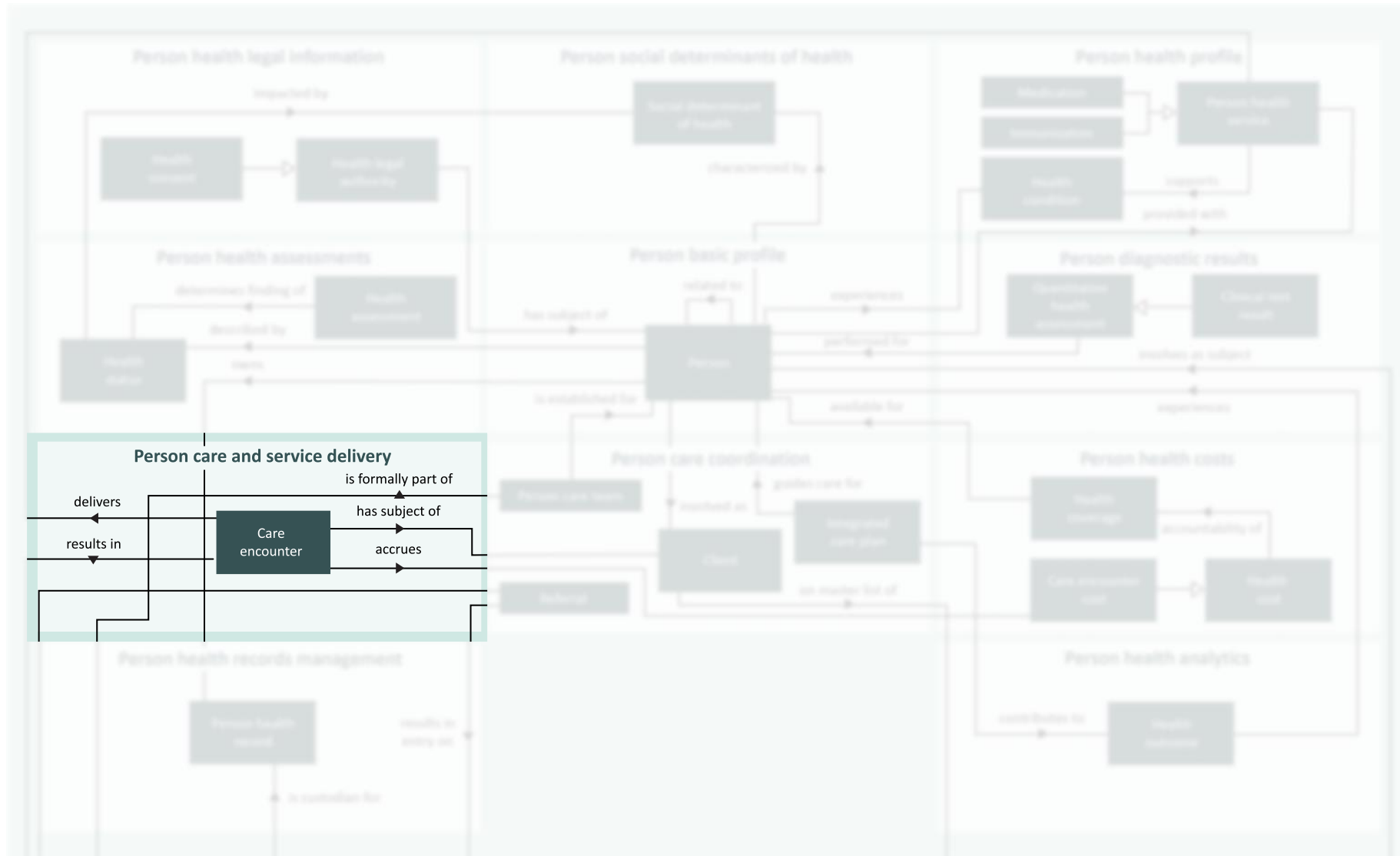
A. Person Health Data (micro)



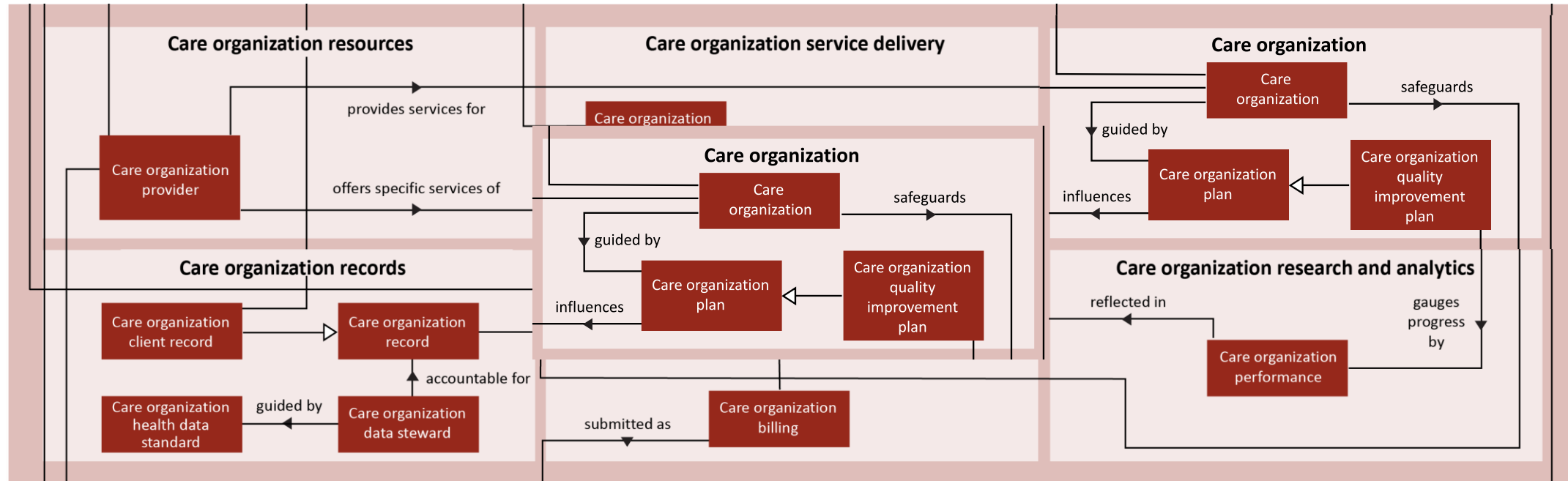
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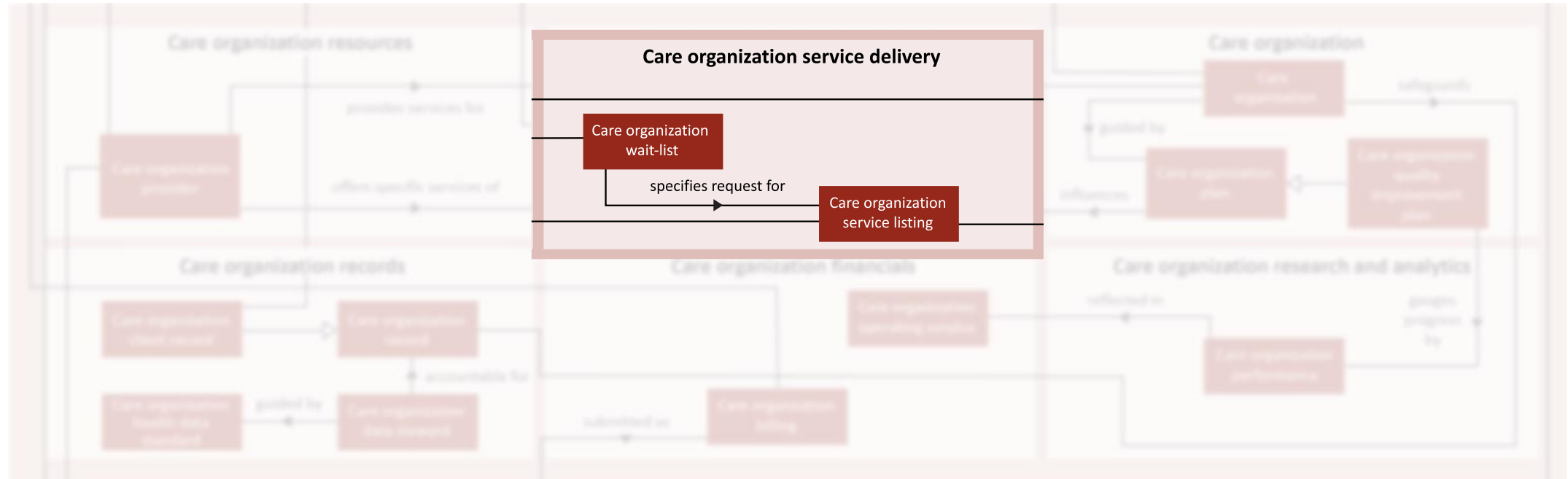
B. Care Organization Data (meso)



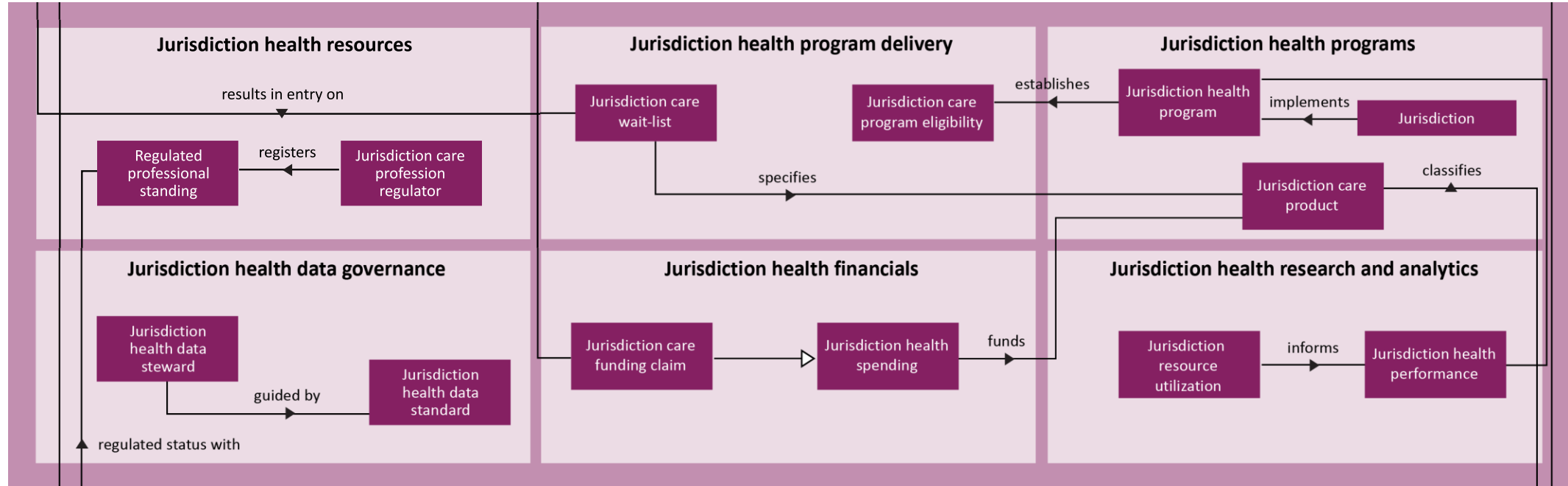
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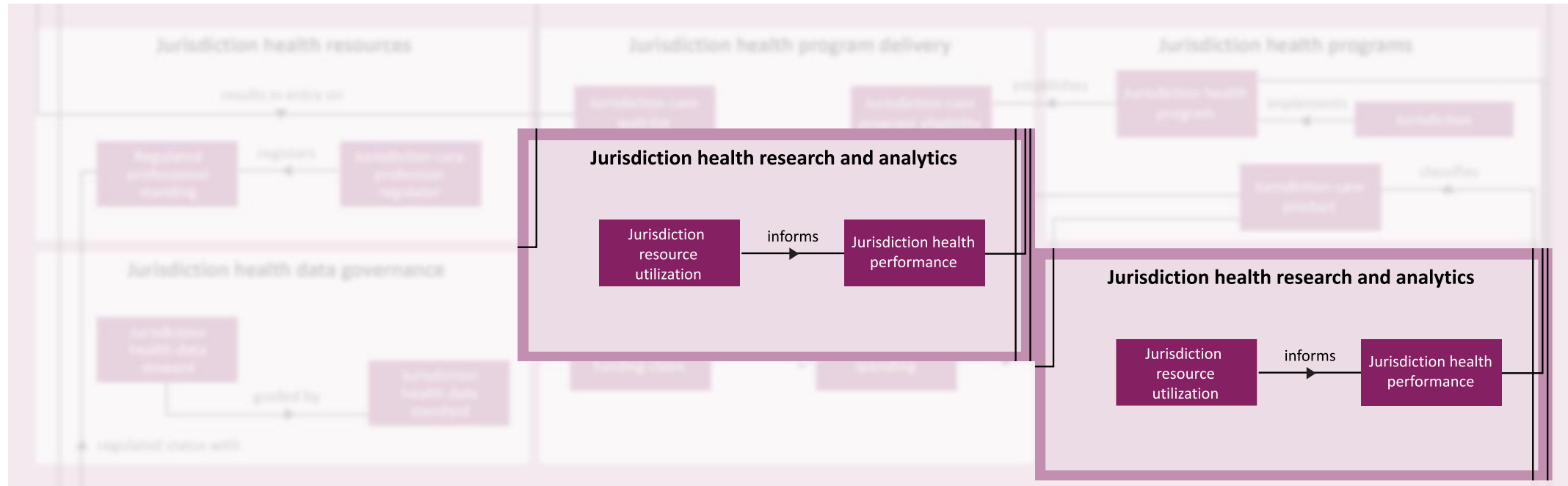
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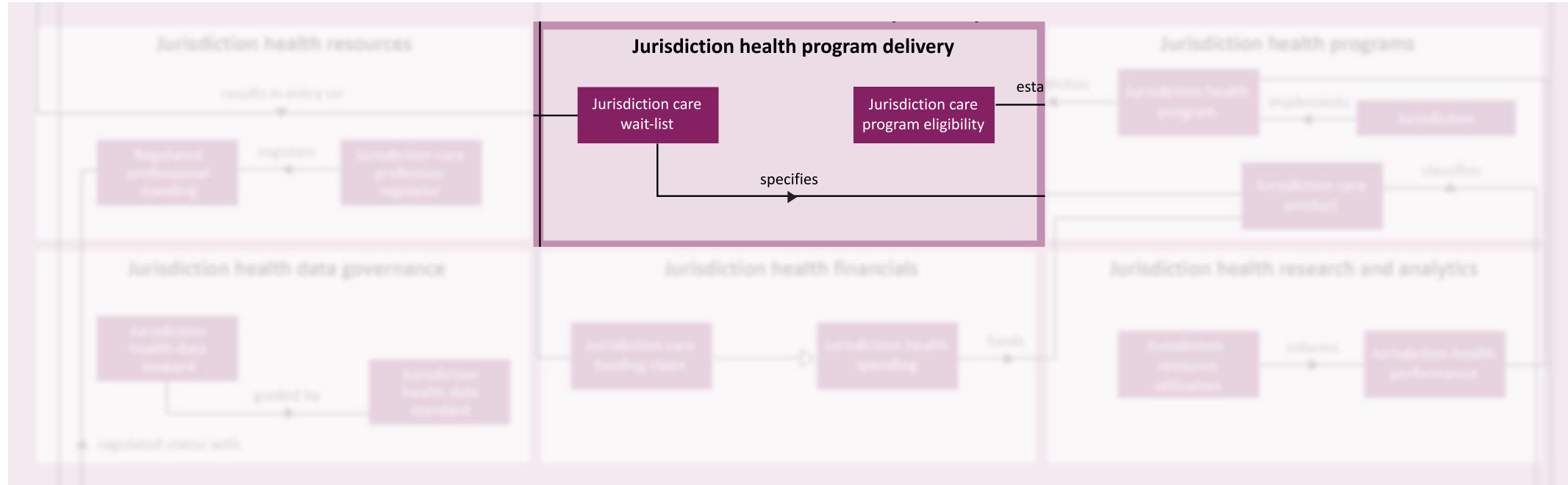
C. Jurisdiction Health Data (macro)



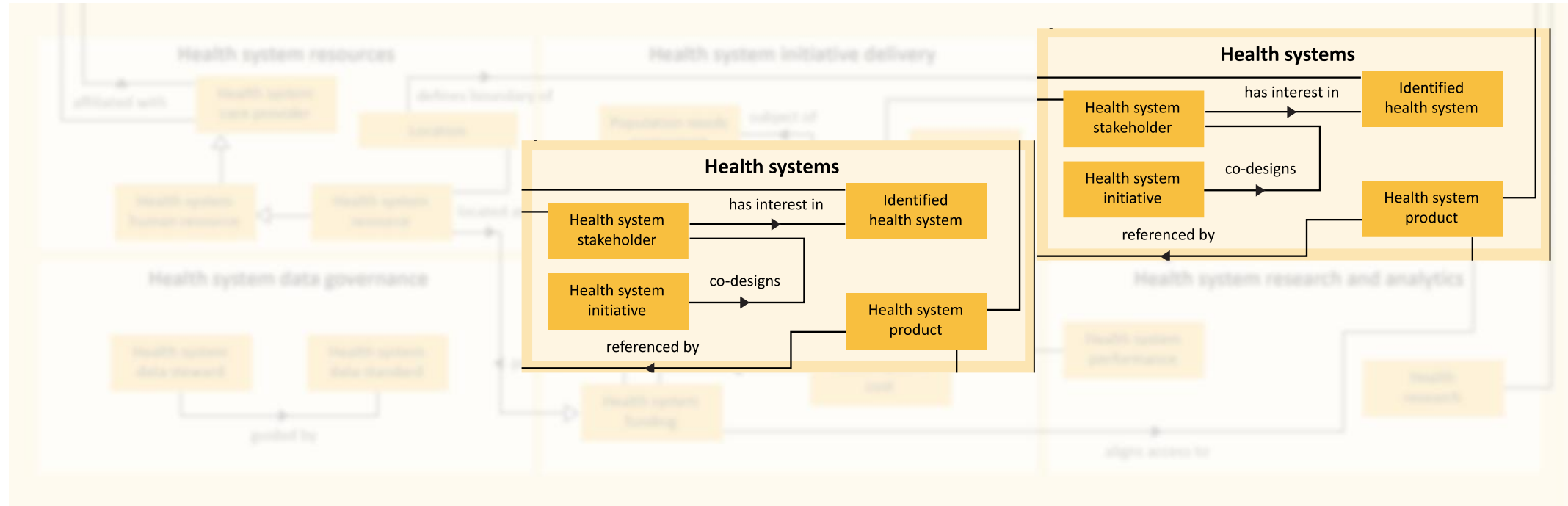
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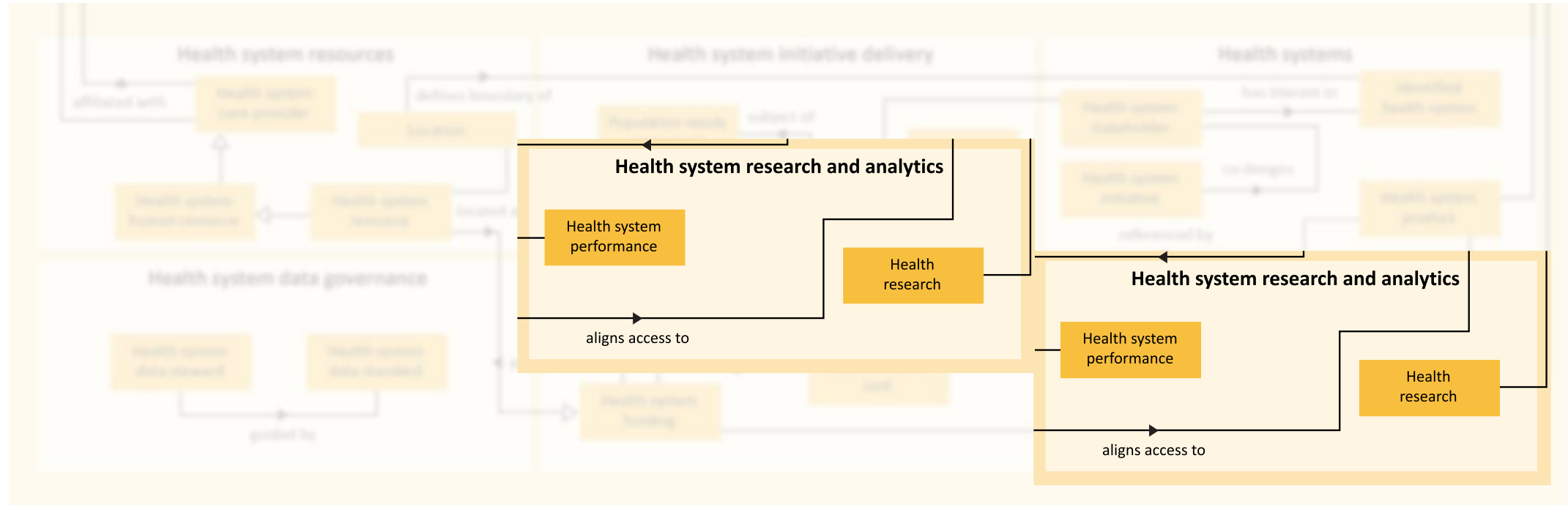
C. Jurisdiction Health Data (macro)

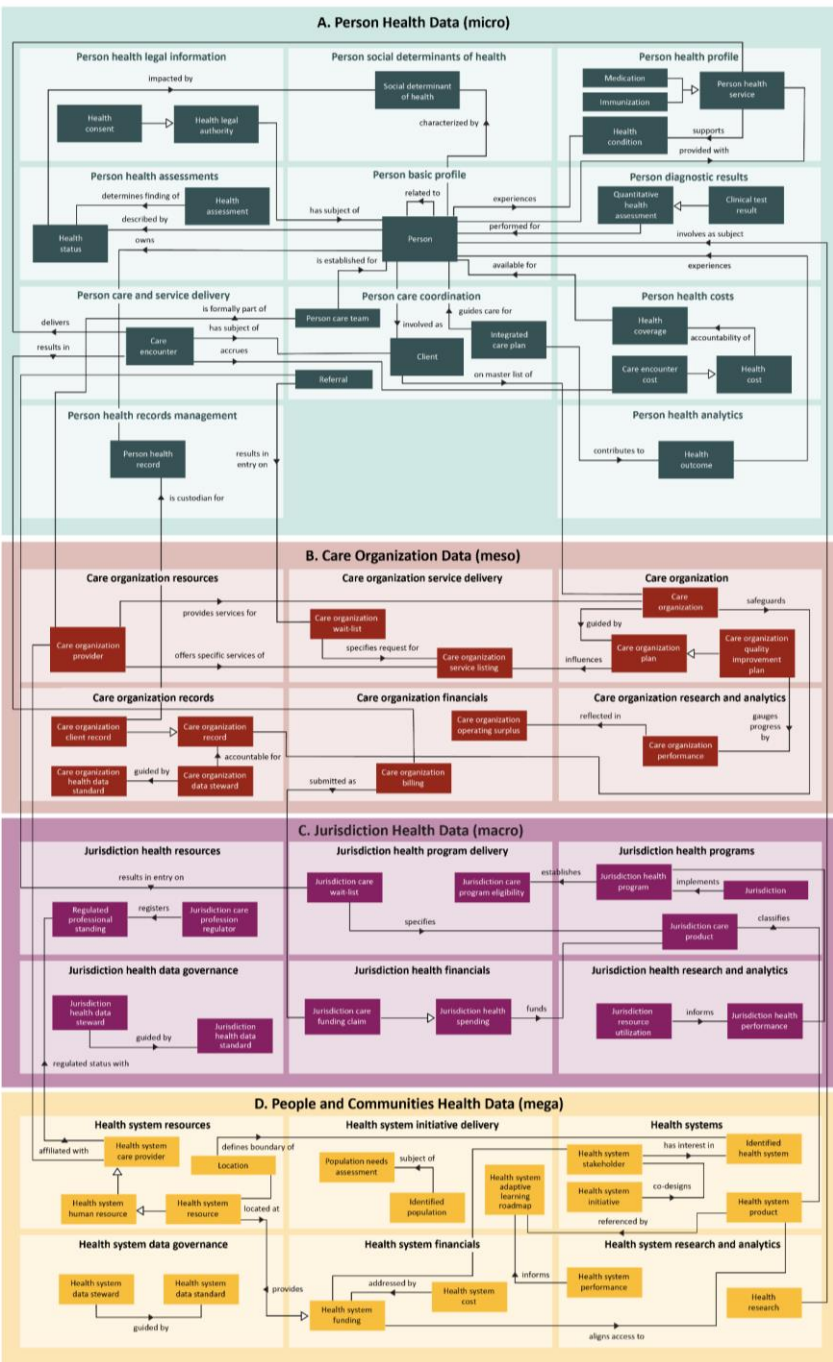


D. People and Communities Health Data (mega)



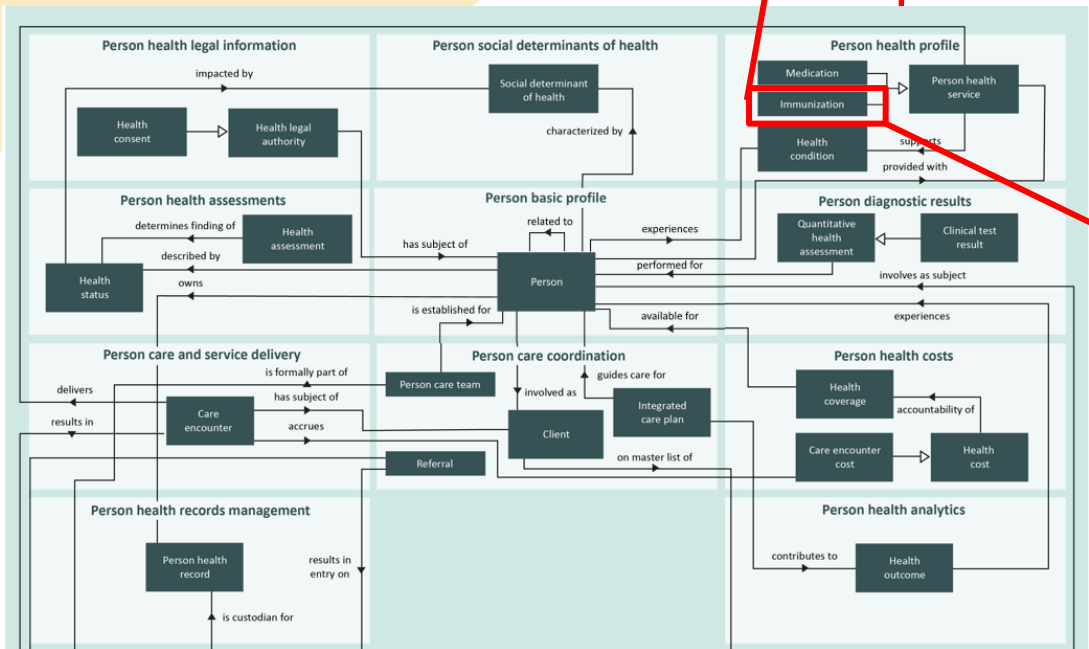
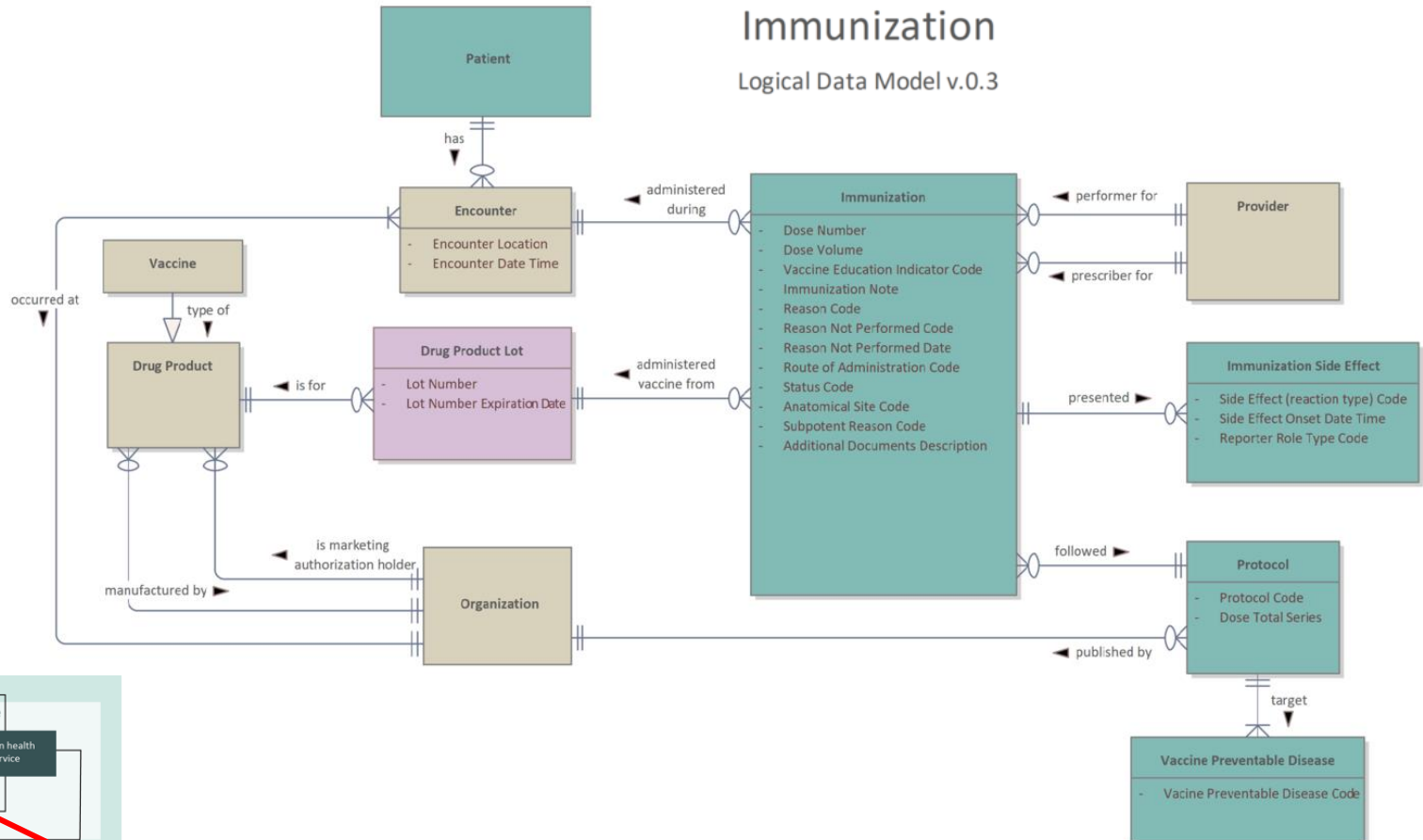
D. People and Communities Health Data (mega)





The Information Model will help us achieved a modernized health system that puts the person at the centre of care and enables the Quintuple Aim

The concepts in the Information Model are expanded into Conceptual and Logical Data Models



Legend

- Data Entity (teal box)
- Elaborated in Separate Diagram (tan box)
- Future (purple box)

Subject Areas:

- Person Health Profile

Data Categories:

- Immunizations

Consultation Approach



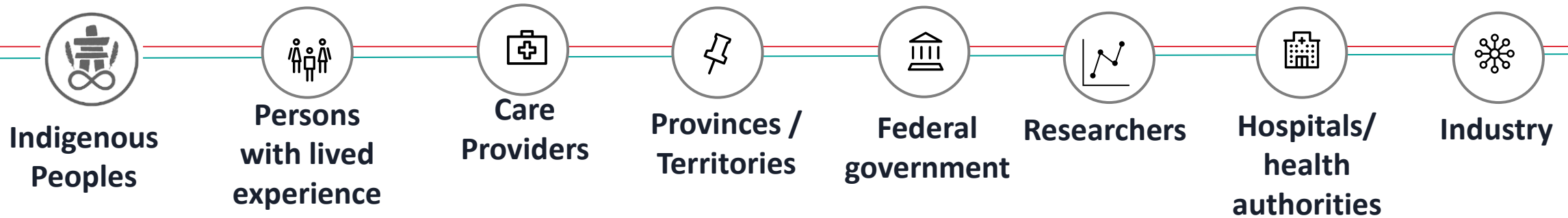
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We're Better Together

Collaboration from stakeholders spanning the healthcare system is necessary for Interoperability advancement and adoption



Approach



Informal advisors

Purpose: validate approach to data standard; validate approach to data model with clinicians, health organizations and industry



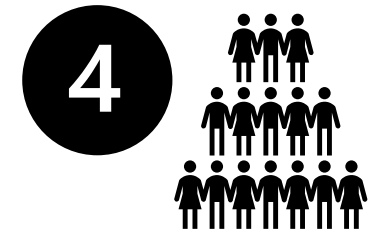
Targeted groups

Purpose: introduce the products and identify resources who can complete detailed review



Co-contributor Working groups

Purpose: to provide expertise and input to refine the content of the Framework (e.g., the data elements, value sets and data models)

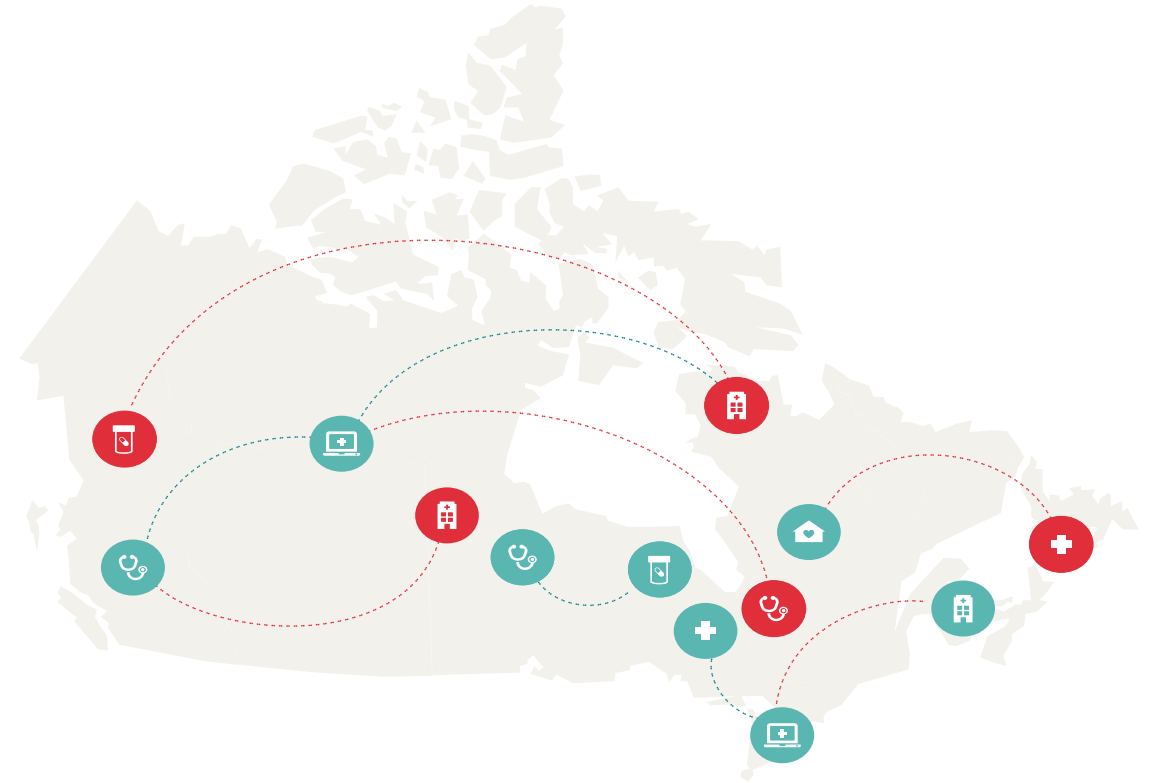


Open and Public Review

Purpose: Open review period for stakeholders active in the Canadian digital health ecosystem to provide feedback on the content of the Framework

Open and public review March 7 – May 6, 2024

- Stakeholders will be invited to CIHI's website to consume and provide feedback on the data elements, value sets and data models of the pan-Canadian Health Data Content Framework
- Increase awareness of this work
- Providing transparency of the development and feedback process of the Pan-Canadian Health Data Content Framework



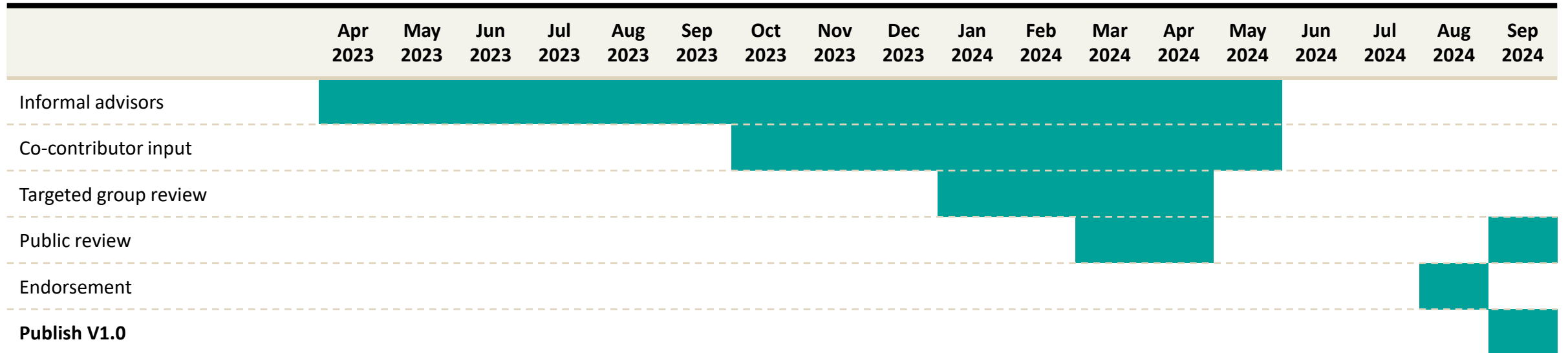
<https://www.cihi.ca/en/connected-care/pan-canadian-health-data-content-framework>

Ongoing engagement and timelines in 2024

As the Framework undergoes iterations to expand on the health data content and data models, we anticipate engagement to be continuous with all the stakeholder groups

Release of version 1 is scheduled for September 2024. This version will focus on the Patient Summary, eReferral and eConsult in alignment with Infoway's products

Scope of subsequent versions will be based on jurisdiction priorities



Get Involved!



Provide input into the data content standards and data models via the Co-Contributor Groups

- Data Content
- Data Architecture (weekly working sessions with data architect experts)

To get involved, reach out to connectedcare@cihi.ca

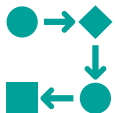


Register as a Working Group member on [InfoCentral](#)

Attend Working Group meetings and **contribute to the content discussions**

Working Group meetings:

- eReferral and eConsult:
- Patient Summary:
- Reference Architecture:



Participate in balloting and review cycles



Be a champion

Thank you!



Canada Health Infoway



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