



CHILD DATA HUB & FOUNDATIONS

This initiative involves designing, building and testing a next-generation scalable, interoperability platform (the Child Data Hub) and data standards.

This platform will support the development of the Digital Pregnancy Health Record, the Child Digital Health Record 0-4 and Child Digital Health Record 5-14, as well as other applications over time as the data is rich, flexible and interoperable.

What does that mean?

There are a range of components in the design and build of the Child Data Hub that are central to support the electronic sharing of antenatal and child health information. These foundations underpin the ability to safely and securely share clinical data across a wide range of clinical settings-from hospitals to GPs, community healthcare centres and with consumers. These components and building blocks include:

1. Child Data Hub

The Child Data Hub forms the backbone of the National Children's Digital Health Collaborative (the Collaborative) solution. It is responsible for the consolidation and exchange of information to support a shared, longitudinal digital health record for children and pregnant women.

2. Digital Child Health & Antenatal API(s)

Digital Child Health & Antenatal API(s) describes a standardised approach for the transfer and sharing of child health and antenatal data. The API(s) enable data to be transferred or shared from the Child Data Hub to jurisdictional systems, other provider and consumer systems / apps as well as to the Health Provider Dashboard. These API(s) are based on the HL7 FHIR standard.

3. National Infrastructure Integration

National interoperability API(s) enable the Child Data Hub to interoperate with other national infrastructure, such as the My Health Record, the Healthcare Identifiers (HI) Service and the National Clinical Terminology Service (NCTS). This not only enriches the child health information with data from other national infrastructure but will also make child health data available to national infrastructure in the future.

4. Health Provider Systems- State hospitals, GPs and other healthcare provider systems

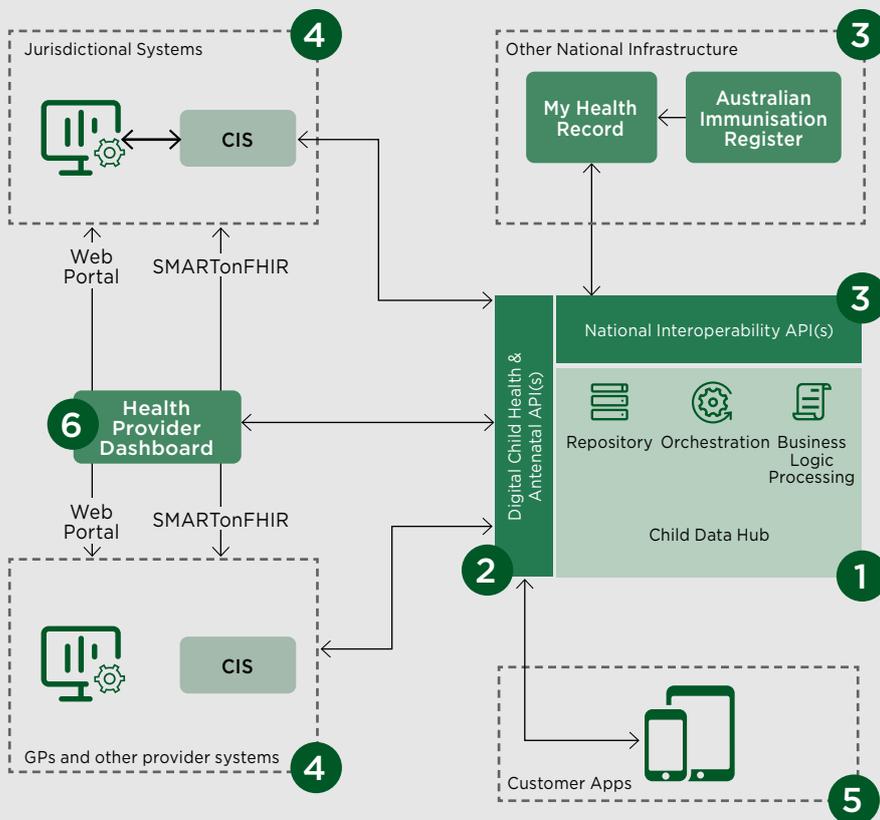
Data from state and territories health services (jurisdictions), such as from maternity and community nursing systems, will be integrated to allow healthcare providers in those jurisdictions to view and update child and antenatal health data from within their own software. Integration with GP software and other provider systems via the Digital Child Health APIs will allow healthcare providers (such as GPs) to view and update child and antenatal health data.

5. Consumer App

The consumer app will support user friendly access and updates to child health data by consumers.

6. Health Provider Dashboard and Smart Assessment Forms

A health provider dashboard will present a view of the longitudinal child health data for clinicians, and provide GPs with smart assessment forms that are easy to use.



All of these components will link different systems together to support the sharing of a longitudinal record of child health and development and antenatal information, orchestrated via the Child Data Hub.



Australian Government
Department of Health



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Department of Human Services



Government of South Australia
SA Health



Government of Western Australia
Department of Health

What is it?

What is the Child Data Hub?

A next-generation scalable, interoperability platform and set of standards which support all the Collaborative initiatives.

How does it benefit you?

The Child Data Hub forms the backbone of the Collaborative solution responsible for the management of a shared, longitudinal digital health record for children and pregnant women during the trials.