

Digital Identity

Technical Working Group (TWG)

Problem Statement and Terms of Reference

(Version: version 1.0 – approved by SAGE)

Our Objectives

- Develop a digital identity framework that will uniquely identify a person (consumer, provider, etc.), an organisation, a facility ,or a system, which will support the NZ Health and Disability Sector and wider NZ Government to enable for example:
 - safe and accurate sharing of health information
 - accurate tracing of events happened to an identity
- Creation of digital identity standards that supports the digital Identity framework

Context (Reference Health Technology Vision in the Digital Health Strategy)

- Digital health is the use of digital technologies and accessible data to improve health outcomes for both health service providers and consumers
 - How will digital identity help New Zealanders manage their health and wellbeing and transform the nature of healthcare delivery?
 - What role will digital identity play in the rise of Internet-of-things and mobile technologies that are impacting how health consumers/providers collect and share access to health data through the use of advance digital technologies such as wearables, AI, social media, etc.?

Health Technology Vision

The Nine Themes



Problem Statements (referencing Themes in the Health Technology Vision)

- **Life Centred; Collaborative care; Informed choice; Accessible trusted information**
 - Health services providers not able to safely share accurate information of the person at the center of care with providers of support services, whānau, or communities
 - Organisational/technology barrier limiting the ability to share information of a patient's complete health journey
 - Lack of capability to validate the accuracy and origin of the data
 - Difficult to reconcile and /or manage multiple digital identities of the same provider across the digital ecosystem
 - Limited visibility and control over who has access to sensitive information
 - New Zealanders do not currently have full access to their own health information when, where and in the form it is needed; and cannot provide or prohibit, access of their information to others. They have limited or no capability to:
 - Make informed consent to treatment
 - Allow others to access health services/information on their behalf
- **Responsive, Predictive, personalized; and closer to me care**
 - Digital identity framework/standards needed to support emerging models of care, particularly mobile and remote healthcare delivery and self-management – with the rise of Internet-of-things and mobile technologies, identity has to go beyond hospital/health centered systems in order to deliver value closer to home care
- **Sustain change and Innovation; value for NZ; Actionable Insights**
 - Digital Health services need to be more compatible with direction of NZ
 - Delivery of digital services need to be more flexible, interoperable, and able to adopt learnings through analytics and research

In Scope

- Describe current problems/challenges in Health information access and sharing with special focus on:
 - enable safe sharing of information among people, organisations, applications or devices;
 - having right access to information by consumers and providers when and where needed
 - consumer's consent to share their information
 - delegation of rights associated with Identity
- Explore and describe (in user stories) how digital identity and its application in the NZ Health & Disability Sector and wider NZ Government would facilitate safe sharing of information so that patients and providers can have access to health information when and where needed.
- Based on the above , define the “future state” Digital Identity, its characteristics, and its relationship with our national health identifiers (i.e. NHI/HPI identifiers).
- Recommended standards to support the proposed “future state” digital identity, keeping an eye on valuable work already done.
- Explore/analyse options and recommend those best suited to deliver the NZ Health Digital Identity adoption roadmap; considering work done by and learning from other government agencies as well as solutions available from the market.
- Develop an adoption plan/roadmap for the recommended standards (recognising that an initial phase may be a constrained model vs subsequent phases with regard to accepted digital identities and the verification process).

Out of Scope

- The Technical Working Group will not work on:
 - an Identity Access Management (including role-based management) solution and/or its supporting standards;
 - requirements and design of a national Digital Identity solution; or
 - a roadmap of developing or implementing a national Digital Identity solution

What would success look like for the TWG

- An agreed Digital Identity framework signed off by SAGE
- A set of standards supporting the agreed Digital Identity framework signed off by HISO with a proposed adoption plan/roadmap
- A set of user stories describing how digital identity can be applied by the NZ Health & Disability Sector to facilitate safe sharing of information

Deliverables

1. Terms of Reference of the Technical Working Group; Scope; and Problem statements
2. Definition of Digital Identity and supporting standards for Health
 - A set of user stories describing how digital identity and its application in the NZ Health Sector and wider NZ Government would facilitate safe sharing of information so that patients and providers can have access to the required health information when and where needed
 - A definition of the “future state” Digital Identity, its characteristics, and its relationship with our national health identifiers (i.e. NHI/HPI identifiers).
 - Recommended standards to support the proposed “future state” digital identity
 - Ensure alignment with wider digital identity standard
3. Recommended approach to develop NZ Health Digital Identity;
4. An adoption plan/roadmap for the recommended standards (recognising that an initial phase may be a constrained model vs subsequent phases with regard to accepted digital identities and the verification process).

Indicative Timeline

