

National Health Information Platform

Overview

January 2020



The role of technology in health



**Making sure
technology improves
equity**



**Showing us where to
improve**



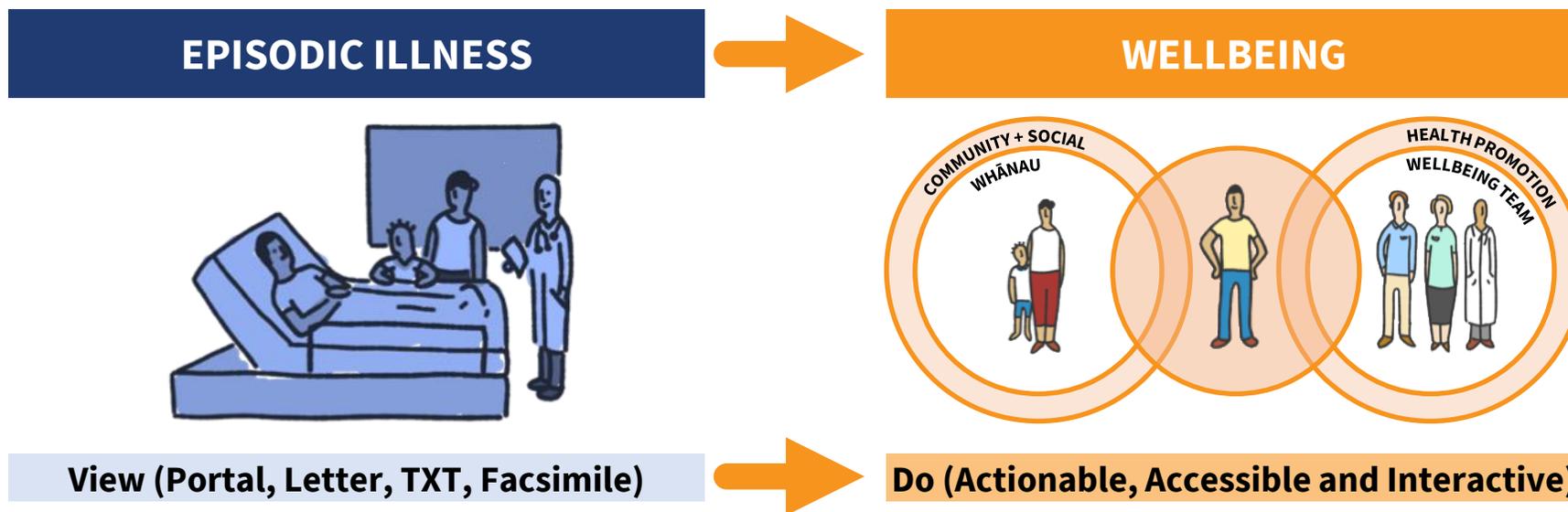
**Allowing us to deliver
care differently**



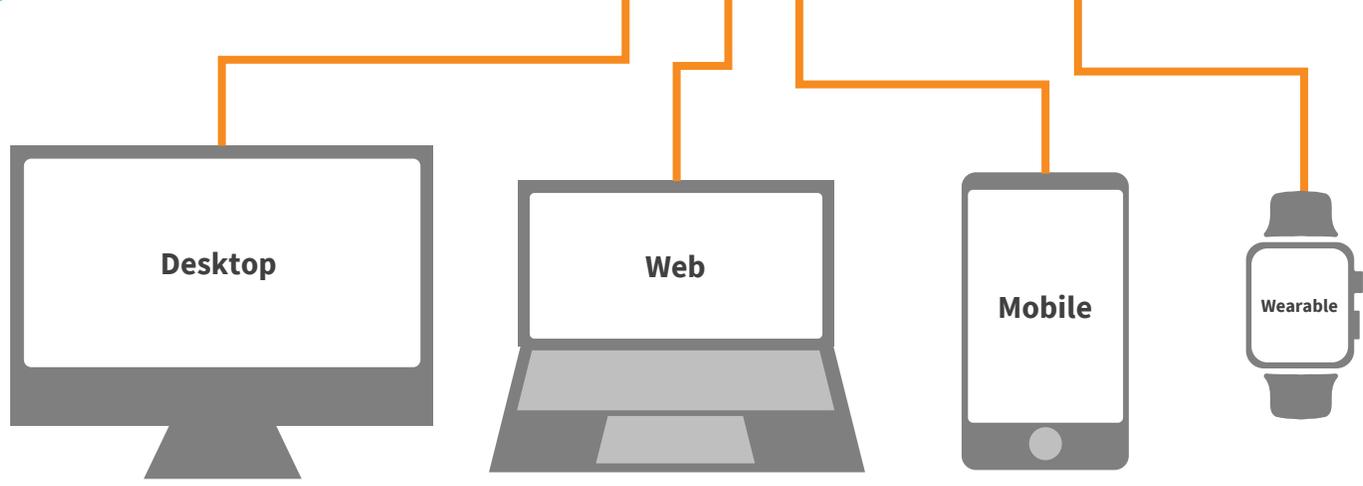
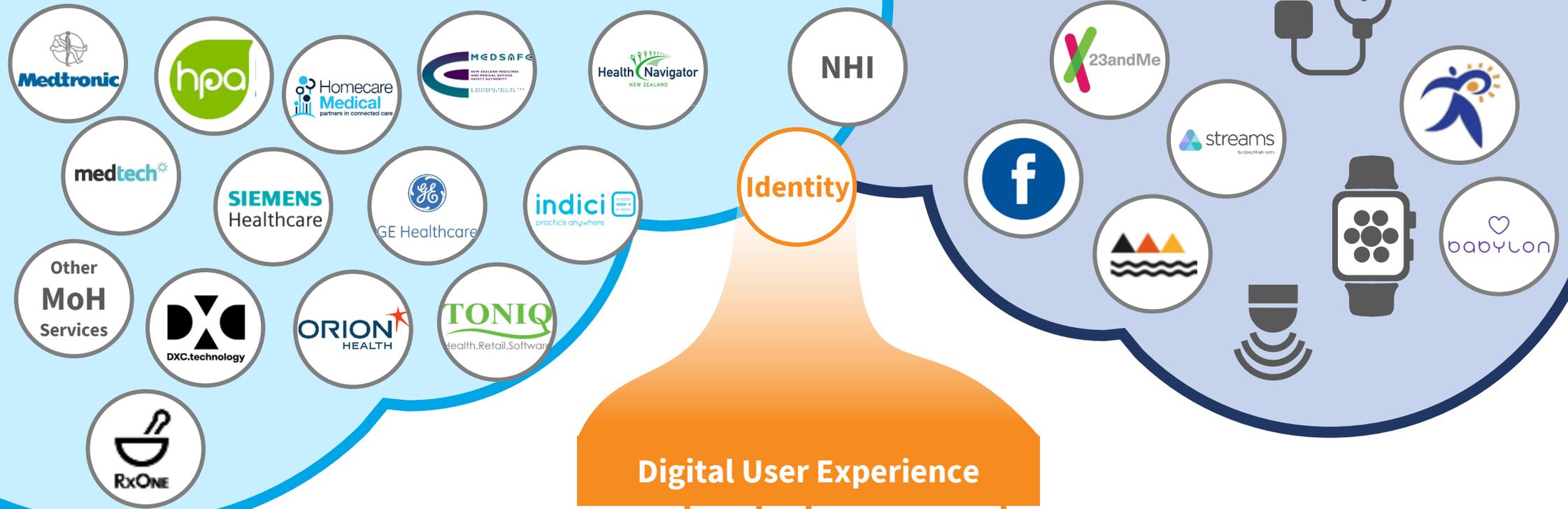
**Ensures consumers
and whanau to be at
the centre of care**



The Shift



Creating a Digital User Experience



Ministry digital focus

Architecture & Standards

Interoperability

Security, Privacy & Trust

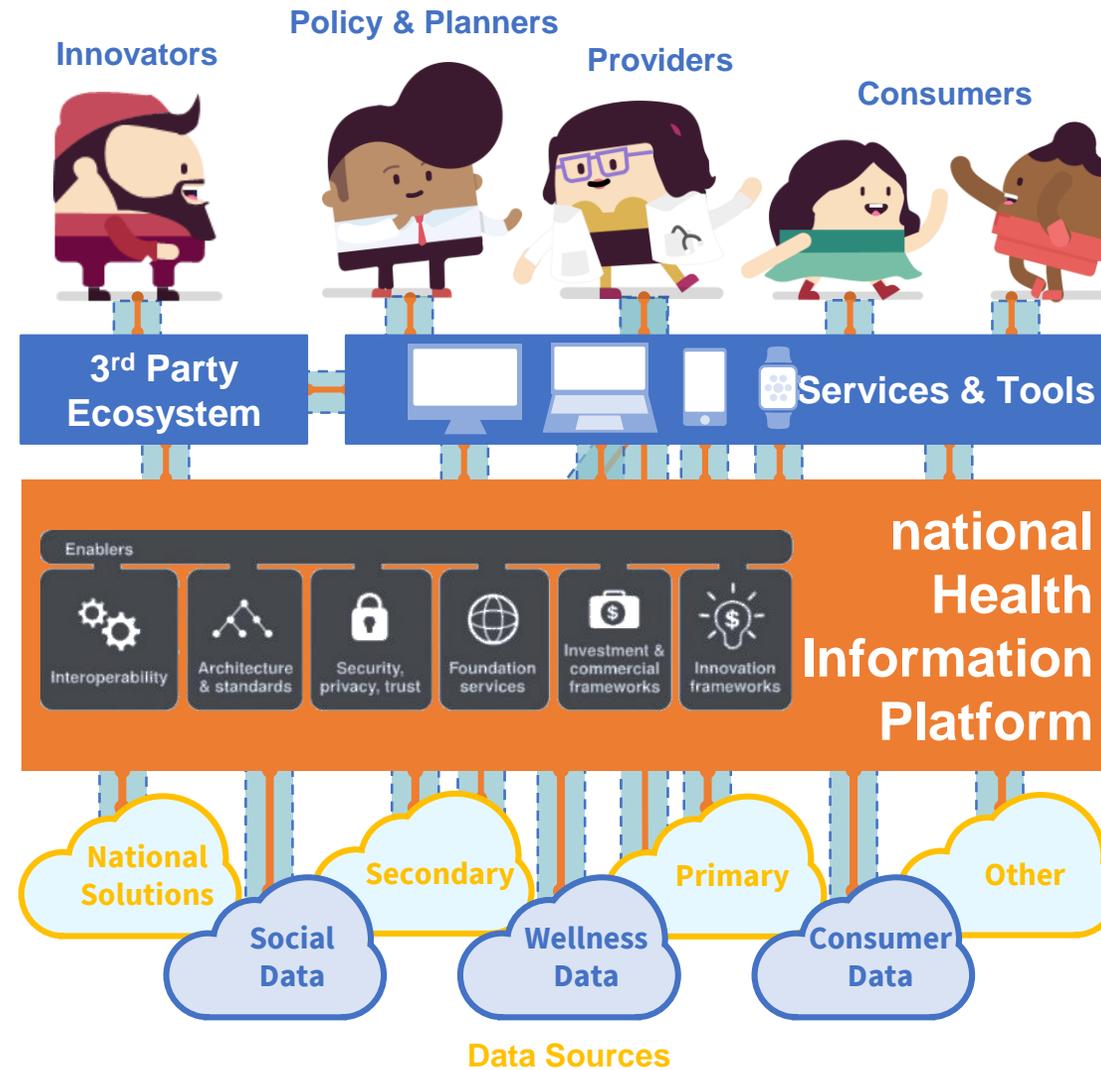
Foundation Services

Investment & Commercial Frameworks

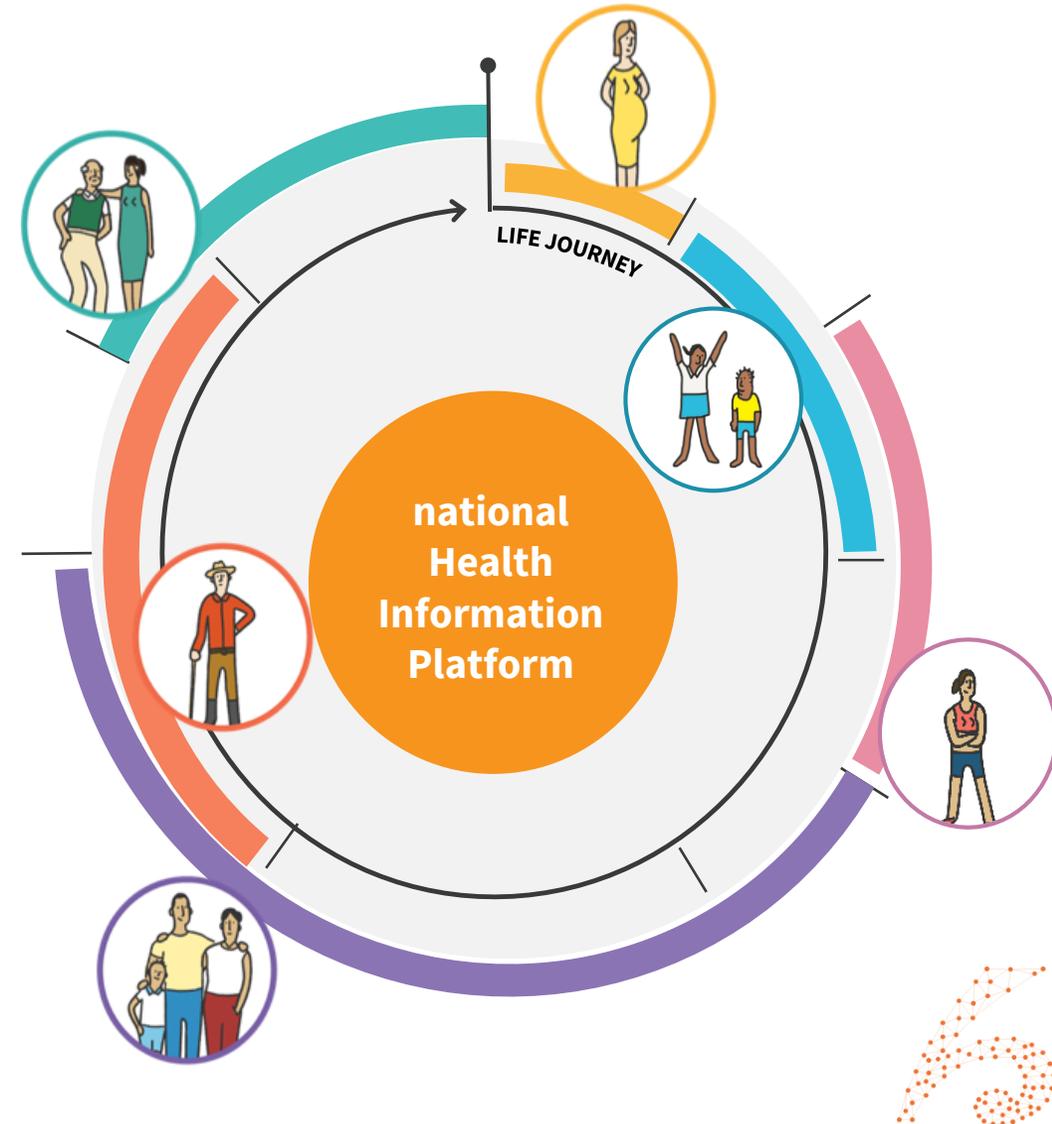
Innovation Frameworks



What is a national Health Information Platform?



What will the national Health Information Platform deliver?



What are the benefits?

Transform access to, and use of, information

Enable consumers and their carers to become more active in managing their health and wellness

Improve equitable health outcomes and experience of care

Enable better care delivery and decision making

Inform policy, investment planning and research

Enable transformed models of care

Enhance collaboration and innovation

Accelerate innovation by breaking down information silos



Personas Thematic Analysis

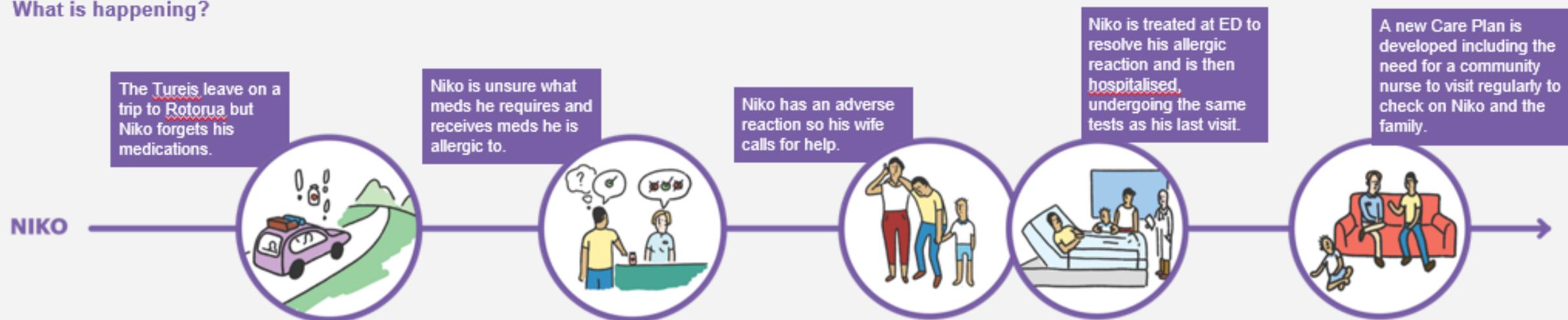
From our exploration, we sought to understand what type of information was important in addressing needs and gaps. **We identified 11 information types that would help address these needs and gaps, supporting better health outcomes and wellness**

The heat map to the right roughly shows the types of information that resonated across the different consumers, carers, providers, and planners we engaged with.

A more nuanced understanding of these information types, including which are the most relevant to who, will continue to evolve through the next stages of work.



What is happening?



What we heard

Niko and his family don't have a clear idea of what his care plan following discharge from hospital is in practice

The pharmacist is reliant on Niko and his wife's recollection of Niko's medication and medical history, which may not be accurate

Niko and his family don't know what he can and cannot take and don't realise that allergies are critical to communicate

Healthline or the 111 Clinical Hub does not have any context about Niko's health history and recent surgery

If unable to access medical history, ED staff must rely on Niko or his wife's recollection to provide a current and accurate medications and allergies list

To effectively continue care, Niko's GP must have access and visibility of the hospital discharge summary

Niko and his family don't know important information about his medication and the risks of not taking them

Private specialists and hospitals are on their own separate systems, which can make information sharing hard

Niko's GP doesn't know that Niko has been taken to ED and therefore cannot provide additional health information

The hospital care team does not have visibility on previous diagnostic tests that Niko had done and therefore orders a duplicate test

Niko lacks clarity on his ongoing treatment and may be left to mostly self-manage

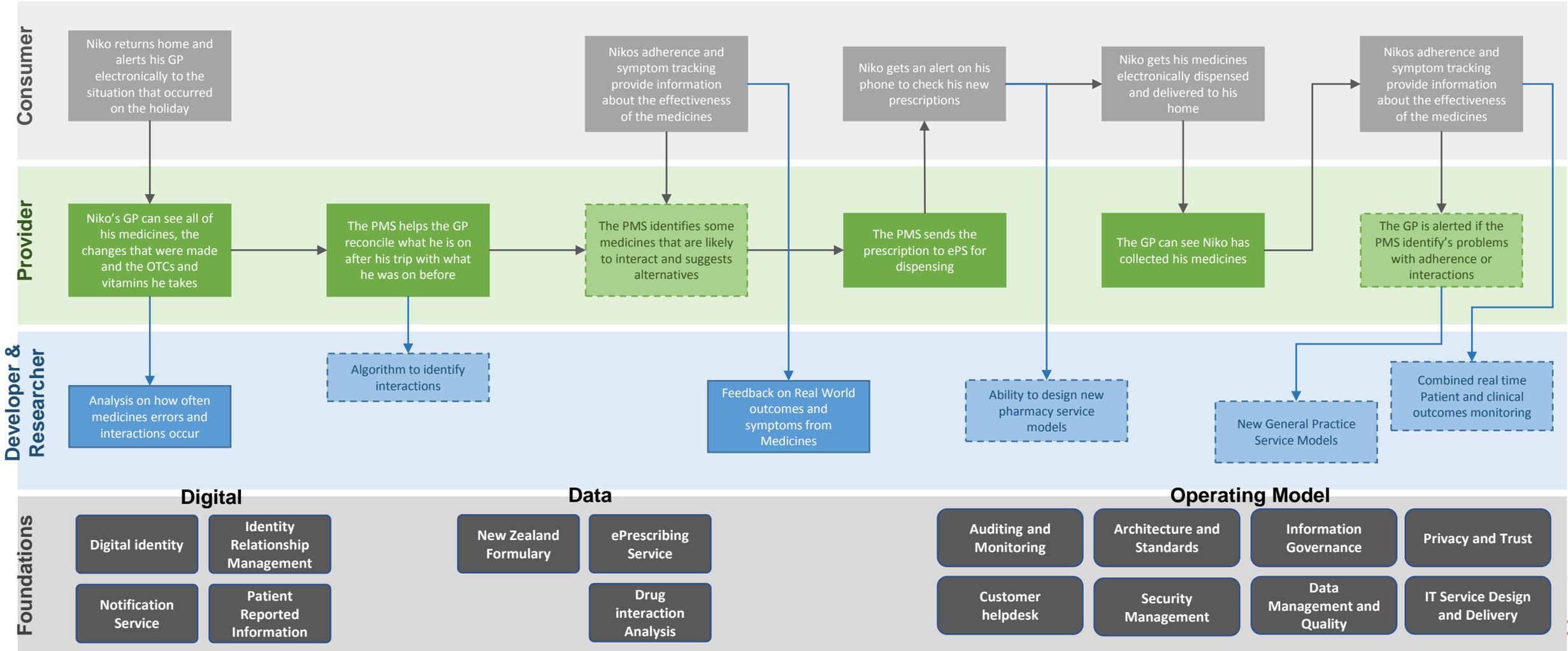
Providers and Niko may not know what the most current medications from his GP are as they may not be up to date

Niko may struggle to recall or understand all of the info he is told on being discharged, given the clinical nature of discharge information

Medicines Use Case - Niko



Tranche 1
Tranche 2 or 3



Our First Step - Ministry Proof of Concept

“Explaining my medications” is consistently the lowest scoring answer in the national patient experience survey. **Only 52% of patients answer most positively** – cf. 85% overall (Aug 2018)

It has been estimated that medicine related harm currently costs the NZ health system **\$222.5m per year.**

New Zealand received **300** consumer reported side effects for medicines in 2018

It is estimated that non adherence to medicines for chronic conditions costs the health system **\$317 billion** globally each year.



Ministry of Health Manatū Hauora

Our information is **focused on clinicians not consumer.** Only **70/100** most prescribed medicines have a PIL

There is little in the public domain about **how to interpret and present health information** to consumers

Using an agile approach and public cloud tools is cheap and fast to build and run

We need **“do” not “view” services** to drive engagement



So what next?

2019

2020



Learning from a test audience

An illustration of two people, a woman with dark hair and a man with a beard, standing and talking. The woman is wearing a green top and the man is wearing a red top.

Consent & Delegation

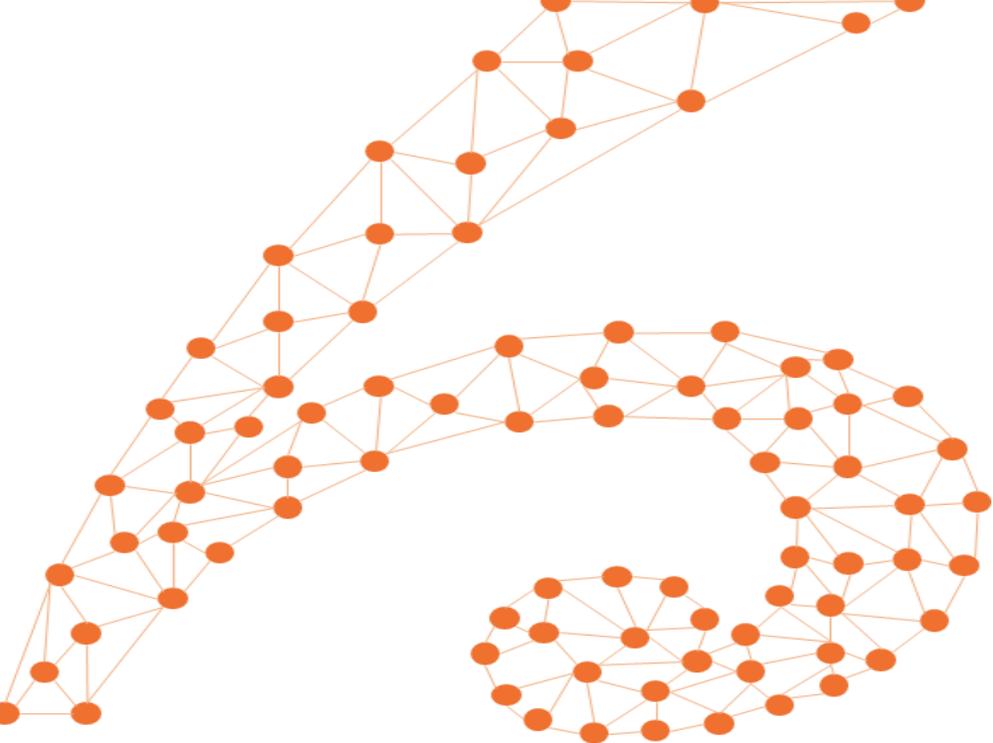


Reusable Digital Identity

The MyMeds logo, featuring a stylized orange 'M' shape, and the text 'MyMeds' below it. At the bottom, the text 'Ministry of Health Manatū Hauora' is displayed.

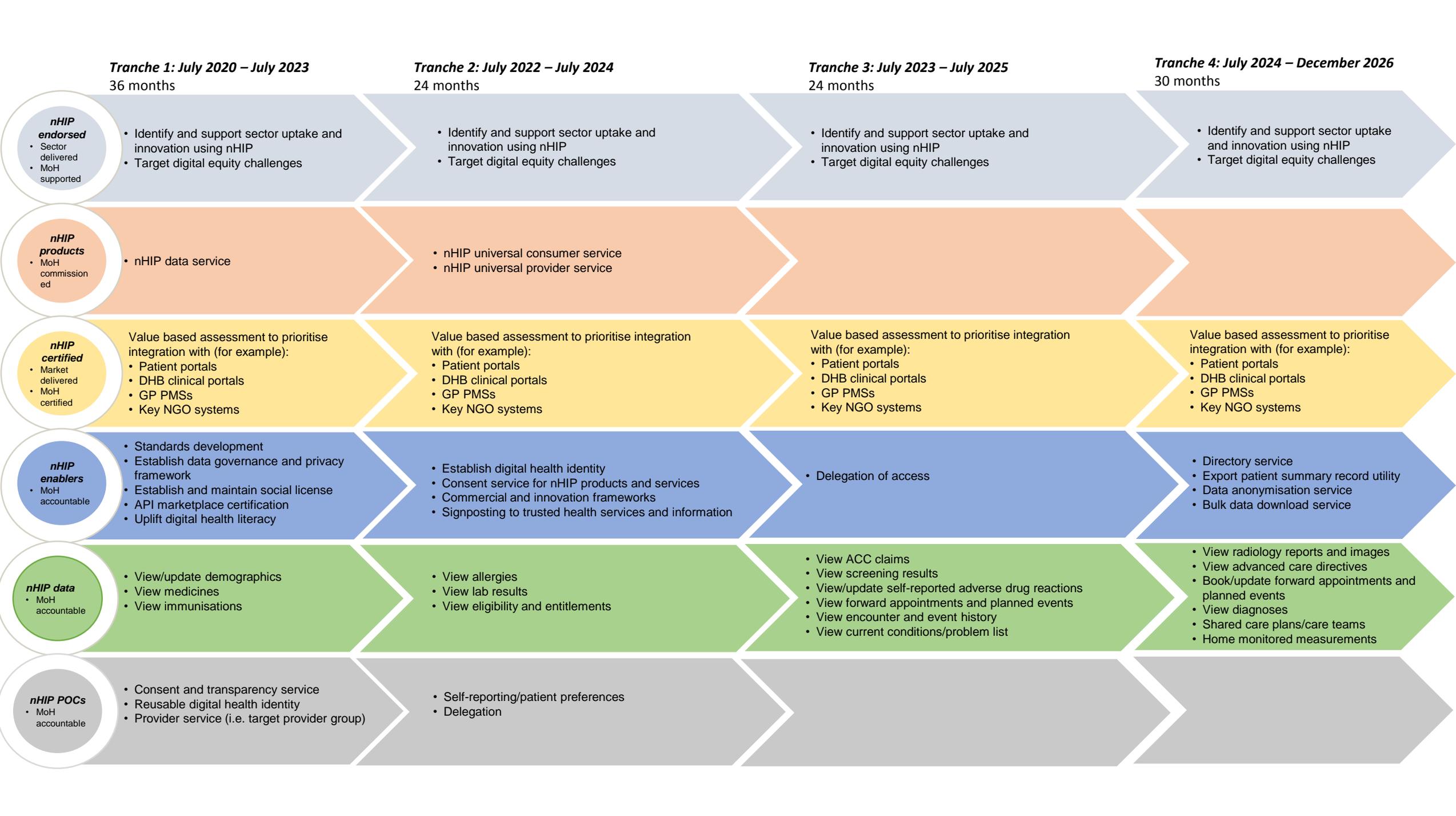
Two screenshots of a mobile application. The left screenshot shows 'My Immunisations' with a list of vaccinations: DTaP-IPV-Hep B/Hib6w, DTaP-IPV-Hep B/Hib3m, Pneum, conj 10, 5m, DTaP-IPV-Hep B/Hib5m, and Adult Tet/diphtheria. The right screenshot shows 'My Allergies' with two entries: NKA (Recorded on 15 Jan 2018) and (NKA) (Recorded on 16 Mar 2018).





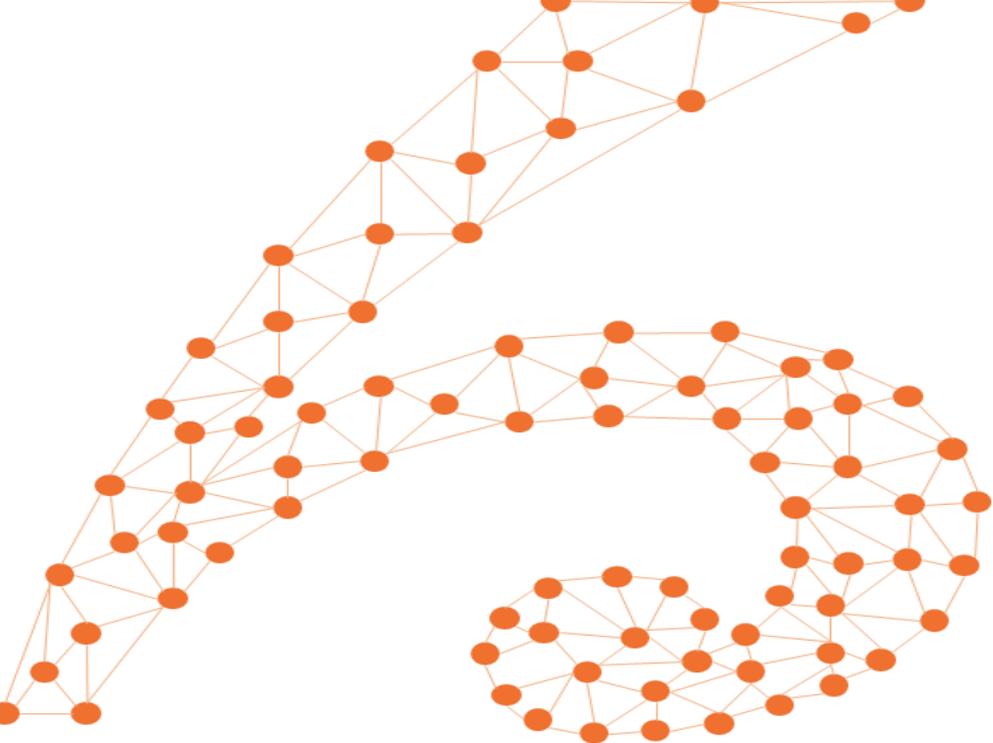
**Proposed scope: nHIP
Tranches 1-4**





Key dates

- 2 September 2019 **Cabinet approved proceeding to a case for investment** to transform access to and use of health information
- Sep – Dec 2019 Programme business case (PBC) development
- Sep 2019 – Apr 2020 Budget 20 bid process will cover the first tranche of investment in 2020/21
- December 2019 PBC completed in draft
- January 2020 Gateway review for the PBC
- March 2020 **PBC presented to Cabinet for approval**
- May 2020 **Single stage business case for tranche 1 of delivery presented for approval**
- July 2020 Implementation commences



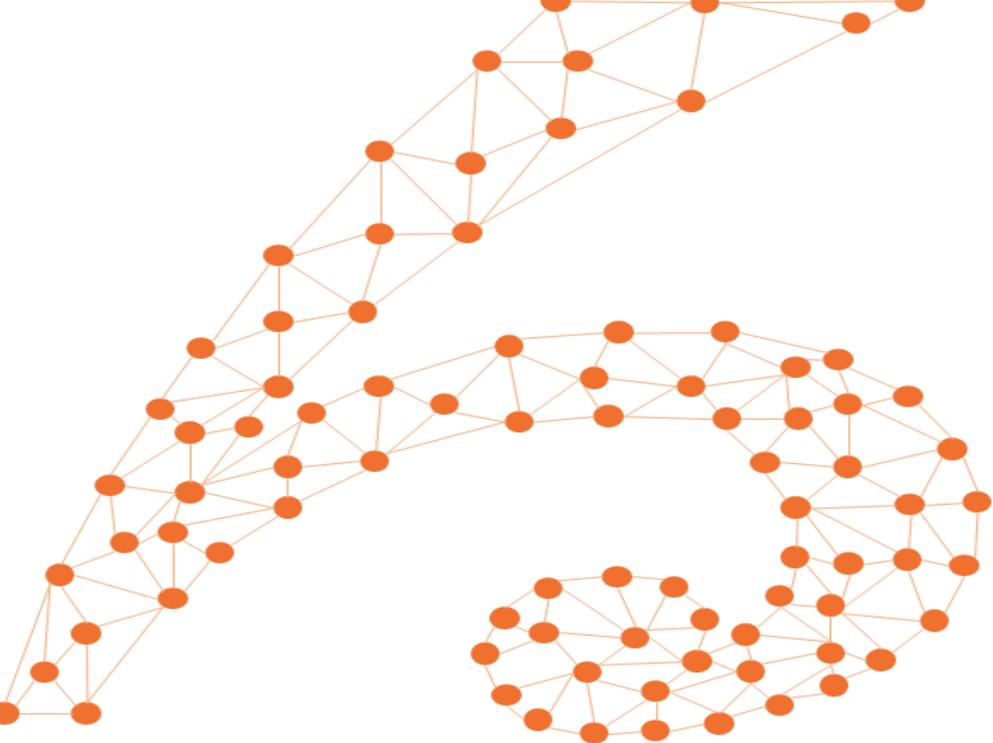
Questions?

What do you like?

What is missing?

How do we engage with you effectively?





What data is important?

Demographics

Medicines

Immunisations

Lab diagnostics

Allergies

Screening results

Eligibility and entitlement details

Self reported adverse drug reactions

Forward appointments and planned events

Encounter and event history

Radiology reports and images

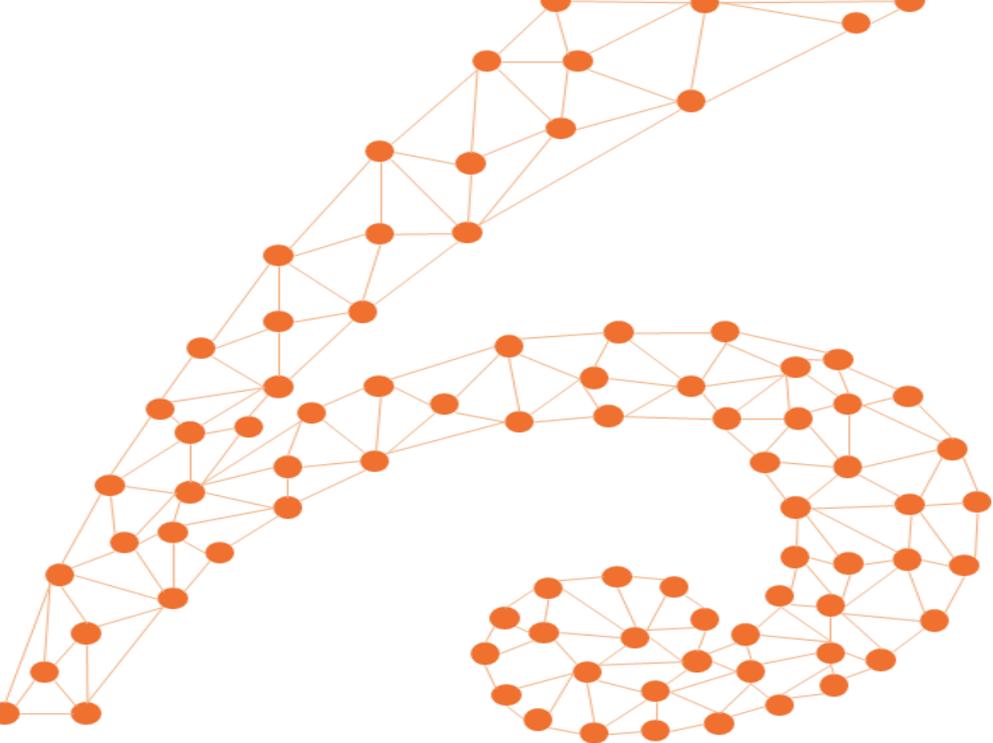
Advanced care directives

Forward appointments and planned events

Diagnoses

Current conditions/problem list





What digital services are important?

Integration with

- DHB/hospital systems
- GP systems
- Patient portals
- NGO systems

Consumer service

Provider service

Data service

Integration with

- My ACC claims
- MyMSD

