

# Nau mai, haere mai

Welcome to the Hira webinar  
for the health IT industry  
and innovators

Friday 10 December 2021

# Mihi

Nau mai rā ki tēnei kaupapa  
whakahirahira, otirā he kaupapa  
hei whakapiki ake i te hauora o te  
tangata, o te whānau, me te iwi  
whānui o Aotearoa.

Ko Hira tēnei!

Welcome, let us invite you to our  
source of new services that will  
improve the health and wellbeing  
of our people, our whānau and  
our communities in New Zealand.

This is Hira!

# About this webinar

- What Hira will deliver and why it's needed
- Hira tranches and workstreams
- Priorities for the next 6 months
- Hira marketplace and developer portal
- Certification and accreditation
- Commercial framework and principles

# About Hira

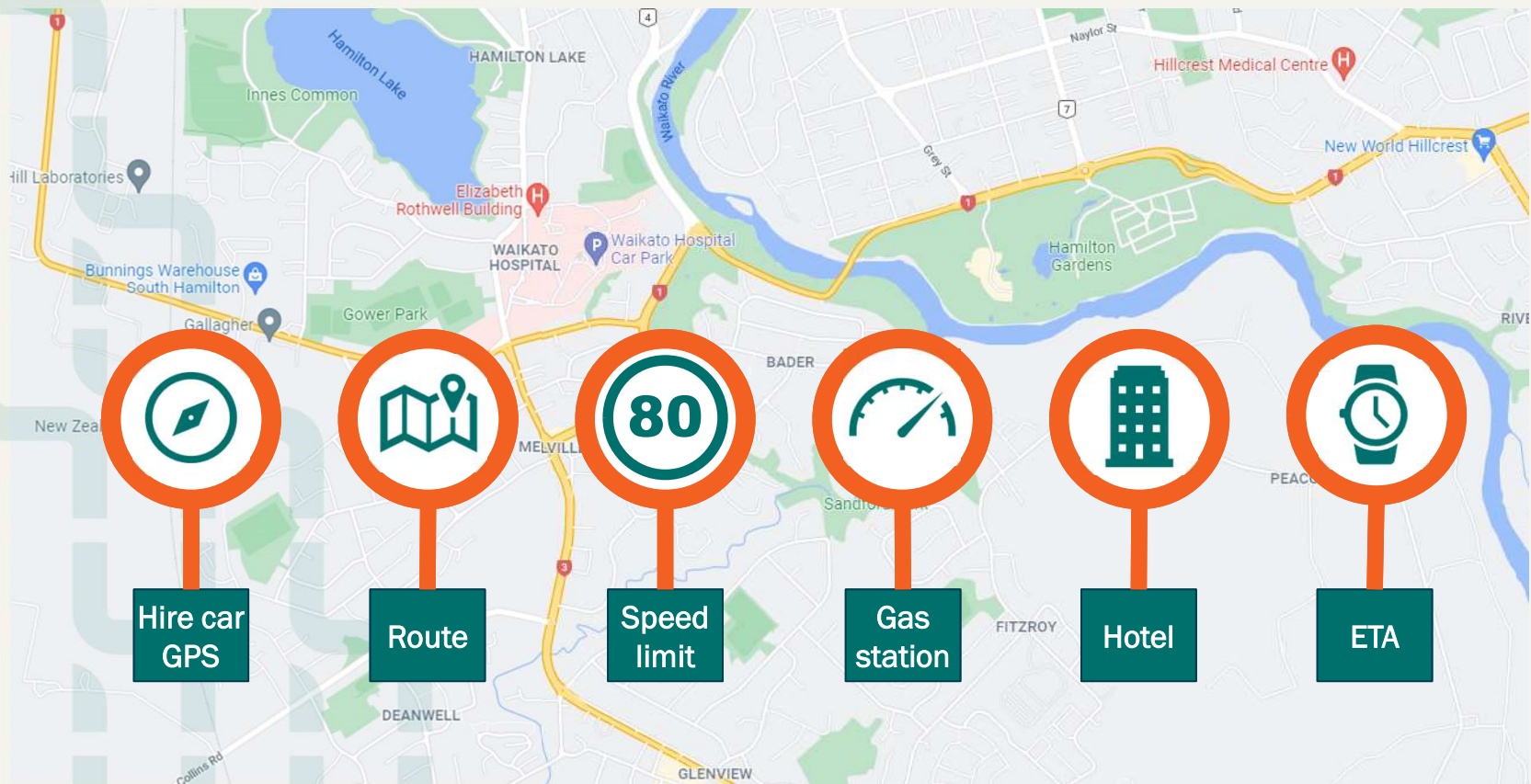
- Hira is a te reo Māori word that means ‘to have a significant bearing on future events; a widespread effect’
- Hira will:
  - bring together a person’s health data into a virtual electronic health record
  - put New Zealanders in control of their health data and allow them to contribute healthcare information
  - provide timely access to patient information at point of care
  - give visibility of who is working with a consumer
  - enable an equal partnership between consumers and providers
  - improve the quality and timeliness of analytic data
  - lay the foundations for a digitally enabled health system

# Drivers for change

*“Data needs to be much more at the centre of decision making in the system, and this requires us to be much more determined about the type, standard, and relevance of the data that is collected.”*  
H&DSR Interim Report

- Health information fragmented and difficult to access
- Lack of data standards
- Time wasted searching for information
- Lack of visibility of who is involved in a consumer's care
- Consumers unable to directly access their information
- Unclear privacy, governance, data sovereignty, social licence
- Data rich, insights poor

# Enabling a future experience



## Hira is



An ecosystem of multiple solutions and technologies



An iterative programme



A partnership with health providers and innovators



A market of interoperable services

## Hira is not



A centralised, all-in-one, technology solution



A monolithic project



A programme that ignores existing solutions



A programme of exclusive products and services



# Hira customers



## Consumers

The Hira team has built use cases from engaging directly with patient groups and New Zealanders.

## Providers

Health and disability professionals within the New Zealand health sector.

## Policy Makers and Planners

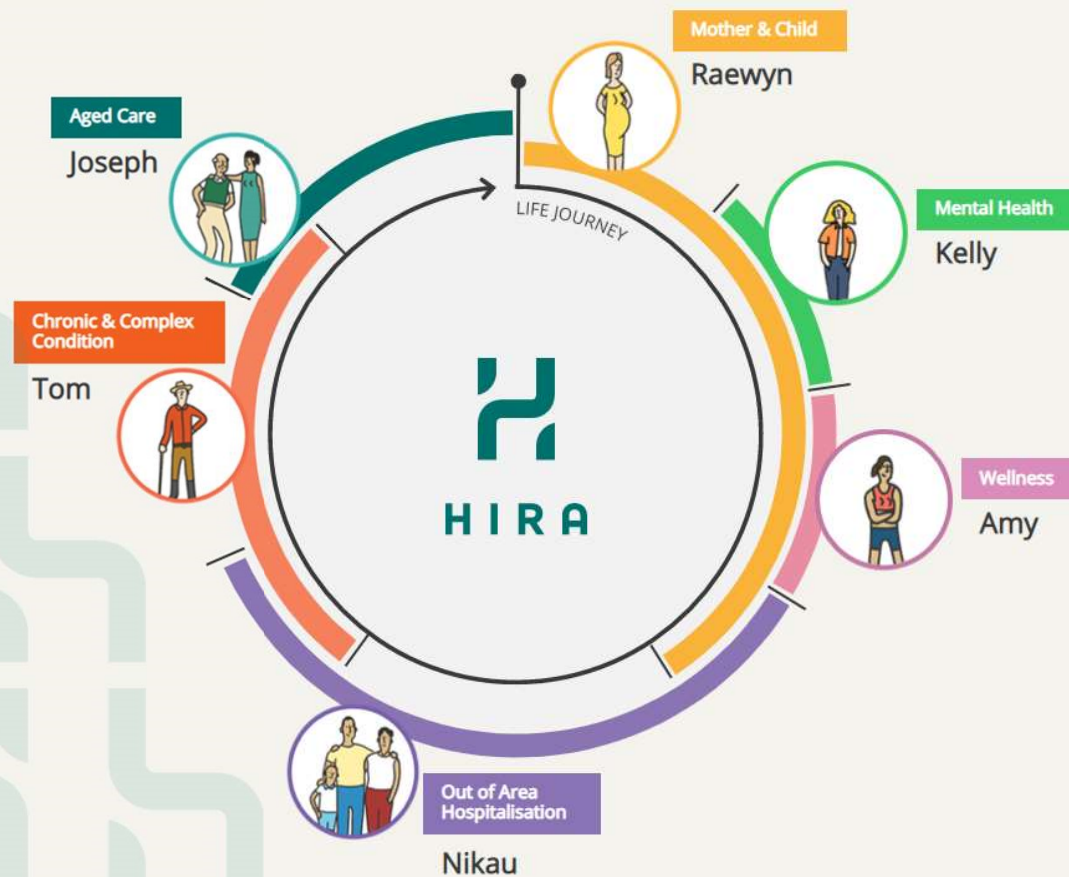
Health and non-health service organisations and those who use data in the health system to plan and deliver services.

## Innovators and Researchers

People who want to use data and services in new and creative ways, and those who wish to identify and test new approaches to delivering health services



# Hira personas

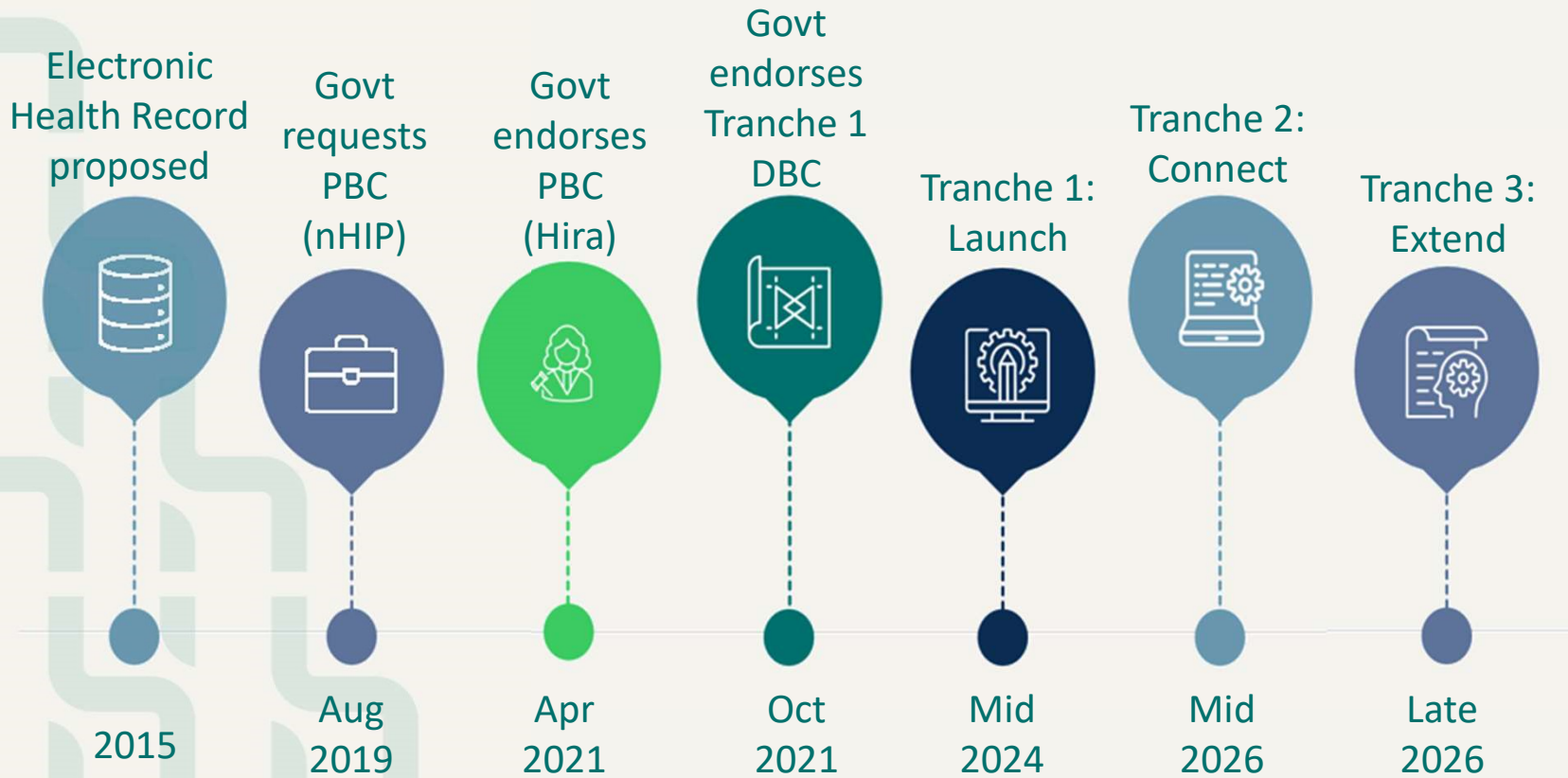


# Privacy and security are paramount

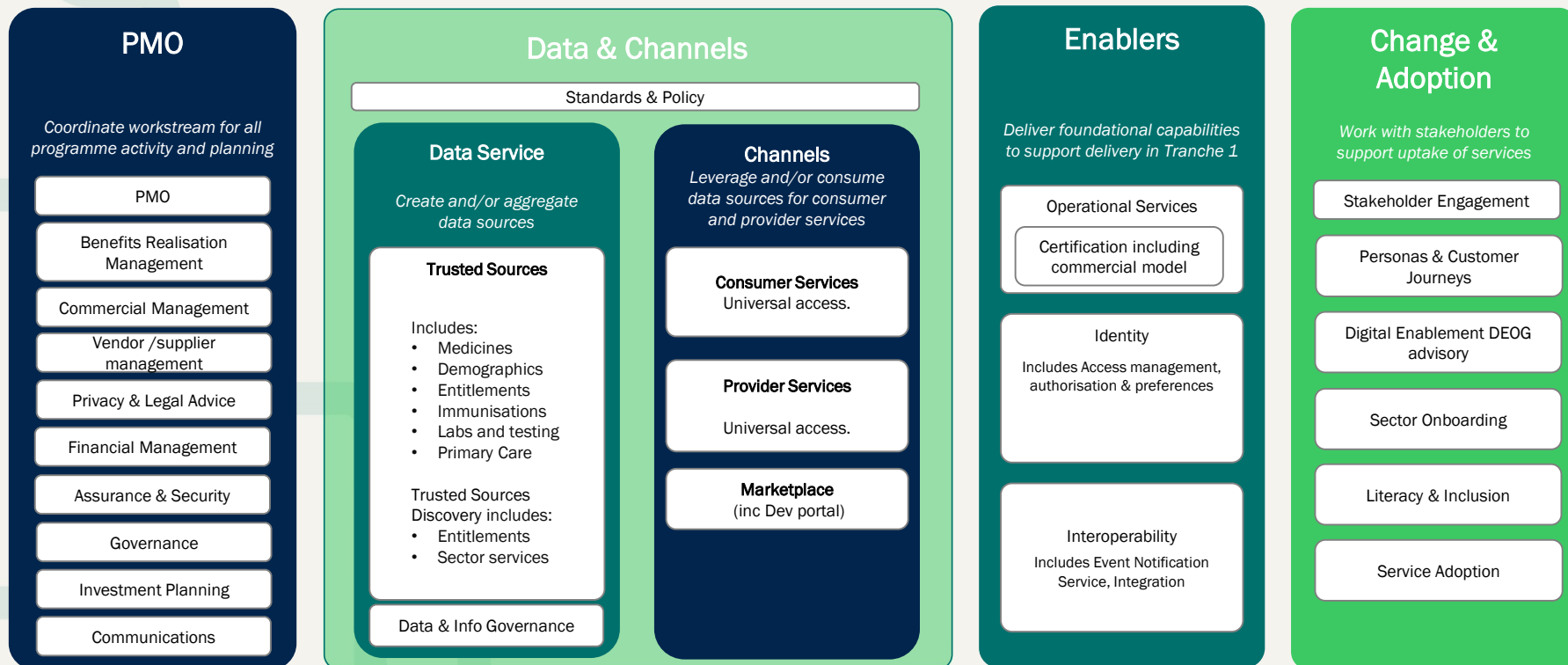
- Privacy and security-by-design approach
- Certification process overseen by Data Governance Board
- New Zealanders will be able to see:
  - where health information is held about them
  - who is authorised to access their data
- Māori data is owned by whānau, hapū and iwi
- Hira programme will help educate about data ownership and privacy

# The Hira journey

# Hira milestones



# Hira tranche one scope



# Next six months

## Change & Adoption

- Engagement
- Develop additional personas
- Resourcing and recruitment

## Data & Channels

- Develop marketplace persona
- Initial marketplace/developer portal
- Initial data services
- Standards/policy/data governance

## Enablers

- Operational support for initial delivery
- Digital identity extensions
- Commercial framework
- Certification/accreditation process
- Build platform core

## Programme Management Office

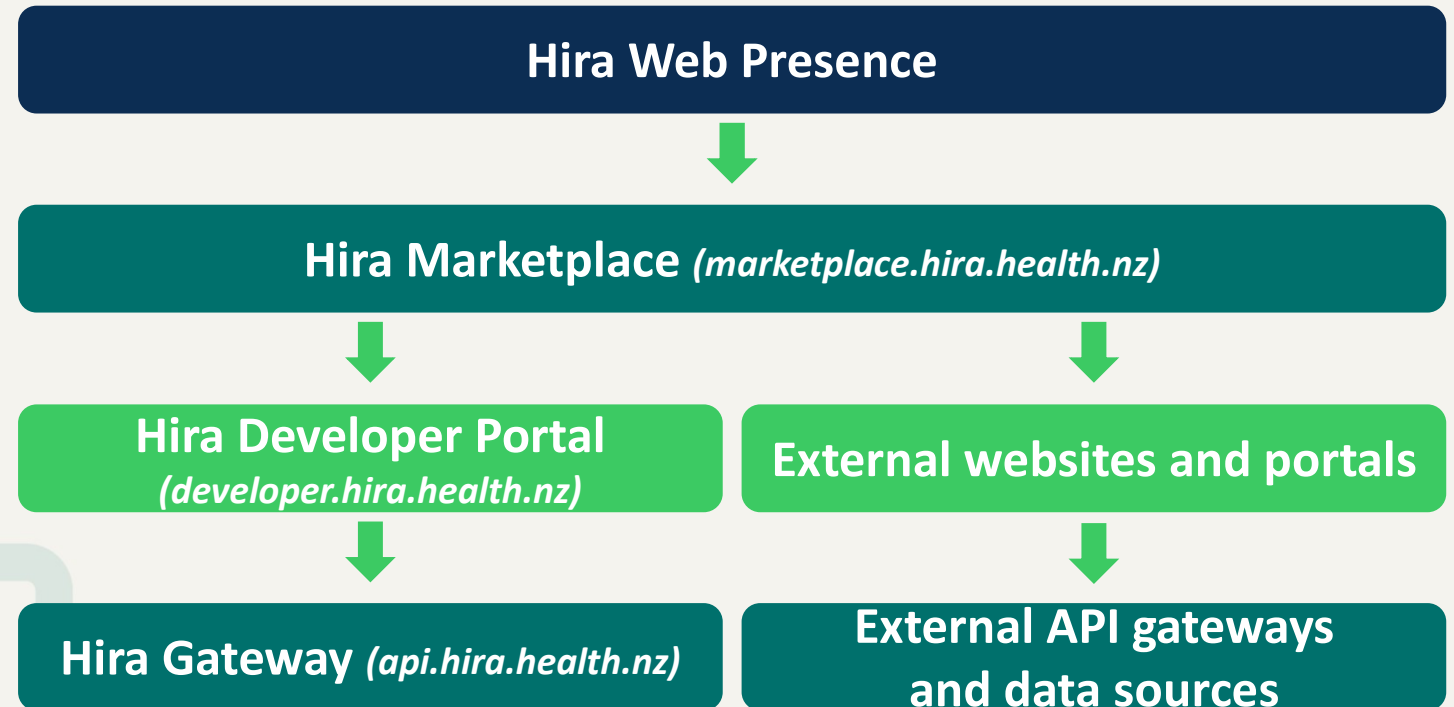
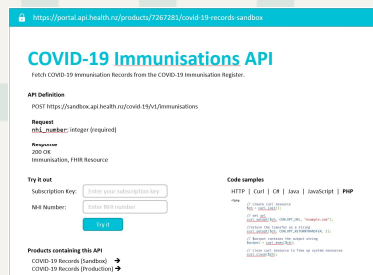
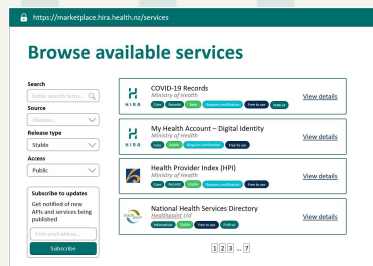
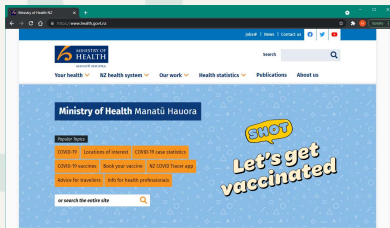
- Governance arrangements
- Procurement process

# Question break



# Hira ecosystem

# Creating an ecosystem



# Hira marketplace

https://marketplace.hira.health.nz/services

## Browse available services

**Search**

**Source**

Choose...

**Release type**

Stable


**Access**

Public

**Subscribe to updates**


Get notified of new APIs and services being published

Subscribe

**COVID-19 Records**  
*Ministry of Health*


Core Records Beta Requires certification Free to use FHIR v4

[View details](#)

**My Health Account – Digital Identity**  
*Ministry of Health*


Core Stable Requires certification Free to use

[View details](#)

**Health Provider Index (HPI)**  
*Ministry of Health*

Core Records Stable Requires certification Free to use

[View details](#)

**National Health Services Directory**  
*Healthpoint Ltd*

Information Stable Free to use FHIR v4

[View details](#)

1 2 3 ... 7

Discoverable on the  
Hira Marketplace

Offered direct to developers

Listed

Verified

Powered by Hira Gateway

Trusted

Core

# Hira Tranche 1 Architecture

## Digital Channels

Consumer Services

Provider Services

Data Services

## Data Services (APIs)

Demographics

Medicines

Immunisations

Identity and  
Access  
Management

Terminology  
and  
Syndication  
Services

Events

Community Services  
Card Entitlements

Labs and Testing

International  
Patient Summary

## Audit and Security

## Enablers

### Integration

FHIR Integration  
Ecosystems

Marketplace

National  
Standards

Developer Tools  
and Portals

### National Digital Identity

Consumer and  
Provider Digital  
Identities

Governance

Authorisation

National  
Terminology  
Service

National  
Event  
Notification  
Service

## External Systems of Record

Demographics

Community Services  
Card Entitlements

Medicines

Labs and  
Testing

Immunisations

International  
Patient Summary

DHBs

Primary Care

Ministry of Health

NGOs

Other health sector organisations  
and government agencies

# Personas: on-boarding and certification

## Adopters of Data

### Integrator (Target: MVP Release 1)

- Familiar with existing Health data services and access requirements
- May have identified API within Hira ecosystem for integration with their application



### Innovator (Target: MVP Release 2)

- Digital solution providers looking to leverage Health data services.
- Wants to develop app to present health information in a new way
- Unfamiliar with sector processes and procedures for data access



## Service Providers

### Data Suppliers (Target: MVP Release 1)

- Organisations (including MOH) with a trusted data source that has been developed or endorsed by Hira and is available from the Hira Developer portal.



### 3rd parties (Target: MVP Release 1)

- Organisations that have digital services and want to contribute to the Hira ecosystem
- Services will be published on the Marketplace. These may not necessarily be data services.



# Certification process

- The Hira certification process will ensure data service access requests are appropriate and that usage conforms to standards and security controls
- The main functions of the certification process include:
  - adopter onboarding, including commercial considerations
  - due-diligence on access requests
  - ensuring new groups or individuals understand their responsibilities
  - manage ongoing certification requirements
  - providing transparency and visibility of usage
  - measuring adherence to standards, terms of use, privacy considerations

# Candidate services for MVP release

## Release 1 (phased) May 2022

### Demographics

NHI View (FHIR)

Get Patient, Get Patient Preferences

### Health Provider Index

HPI View (FHIR)

### COVID-19

Immunisation and Lab Tests (FHIR)

### My Health Account

Trusted Witness

3N and 2N Onboarding Automation

Retrieve Patient Data

Digital Identity – Oauth

### Sector Services

3rd party services (tbc)

## Release 2 (phased) June 2022

### Demographics

NHI Update (FHIR)

Maintain patient core

Maintain name

Maintain address

Iwi Affiliation Update

### Entitlements

Get enrolments

### Contact Tracing

Digital Diary Upload

Visitor Register Upload

Exposure Event Notification

Call Back Request

Locations of Interest

## Release 3 (public) Aug 2022

### Demographics

eSAM Electronic Address Validation  
(FHIR)

### Terminology

Terminology Service (FHIR)  
SNOMED (FHIR)

### Sector Services

3rd party services (tbc)



# Question break

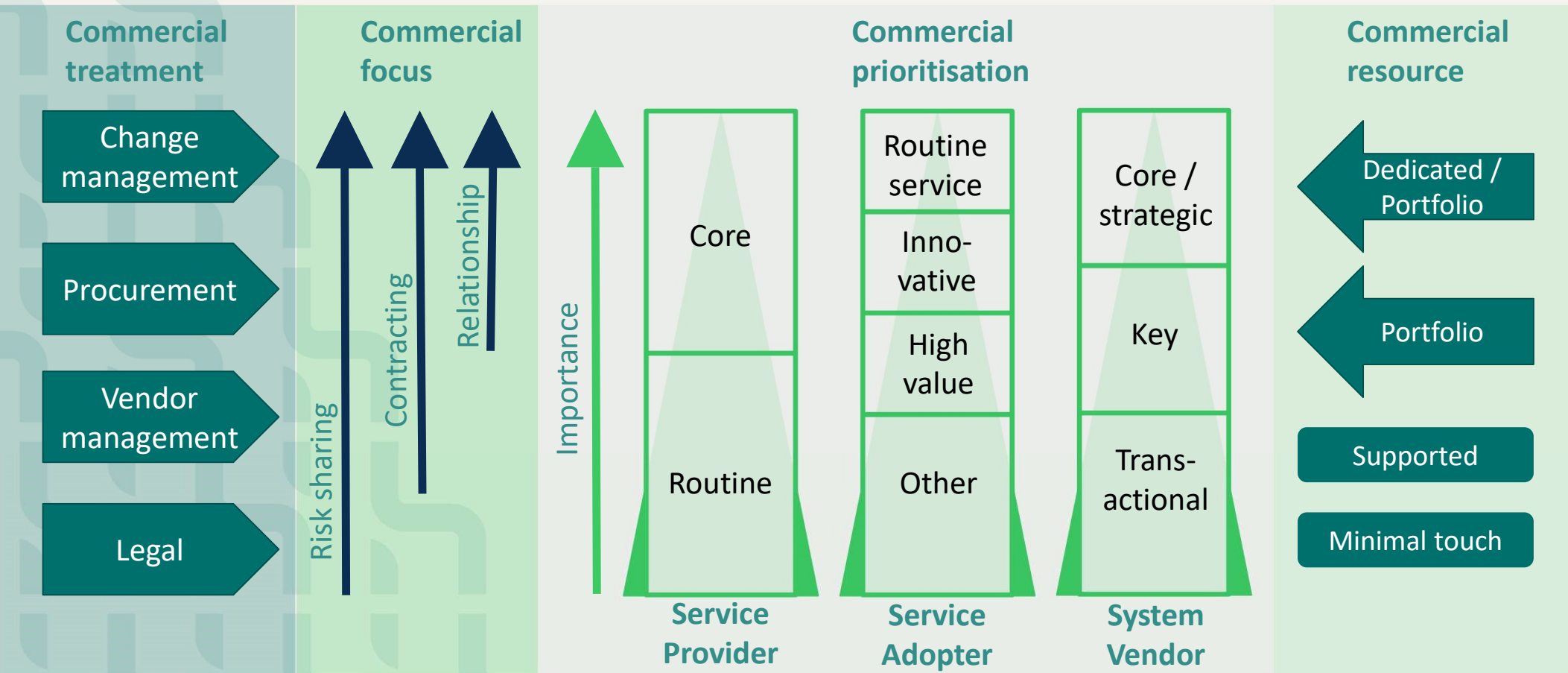


# Commercial framework

# Commercial Framework

- The commercial framework guides our approach to Hira
- The framework is underpinned by our vision of a thriving and sustainable market that:
  - supports innovation
  - provides value for money
  - offers a level playing field for providers, vendors and consumers
- The framework reflects a federated, interoperable, standards-based approach
- It will ensure we operate transparently and consistently with trusted rules

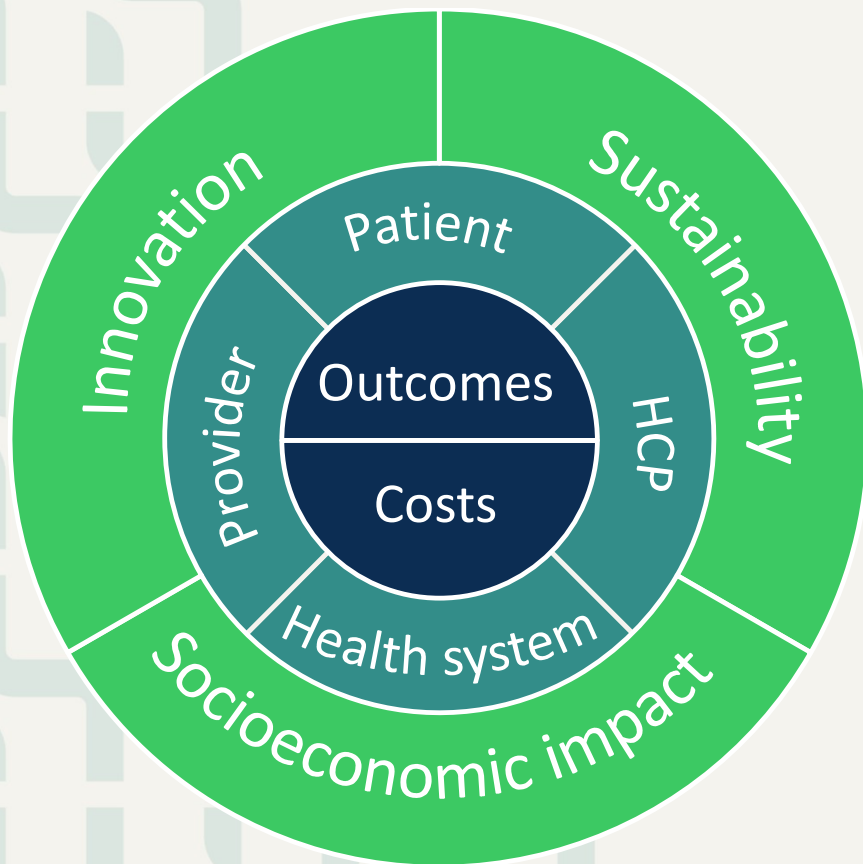
# Commercial Framework



# Commercial Principles

- No commercial barriers to core health data access and use
- System pays only once for digital health infrastructure
- Level playing field – vendors entitled to fair and consistent treatment
- Commercial agreements based on value for money
- Agreements recognise service change and adoption costs
- Intellectual property is protected; perpetual rights for health system
- Commercial obligations persist in the ecosystem of service suppliers and consumers

# Value-based procurement



Outcomes  
vs. costs



Benefits for  
key stakeholders



Broader impact  
on society



Priority

# Next steps



# Next steps

- Targeted workshops are planned for Q1 2022 with the ability to provide input into some of our next steps
- Workshop invites will go out early next year with dates and locations
- Procurement plan for initial MVP releases will be confirmed in early 2022
- There will be regular updates via the Hira pages on the Ministry of Health website and through the Hira newsletter
- If you have any further thoughts about today's workshop, please send them to [contact@hira.health.nz](mailto:contact@hira.health.nz)

# Discussion