



## New Zealand on FHIR

Peter Jordan, Chair HL7 New Zealand



HL7 FHIR DevDays 2020, Virtual Edition, November 17–20, 2020 | @FirelyTeam | #fhirdevdays | [www.devdays.com/november-2020](http://www.devdays.com/november-2020)

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## Who am I?

- Peter Jordan
- Chair, HL7 New Zealand
- Hamilton, North Island
- Solution Architect
- International Council Co-Chair
- Affiliate Director
- Co-Chair SNOMED on FHIR

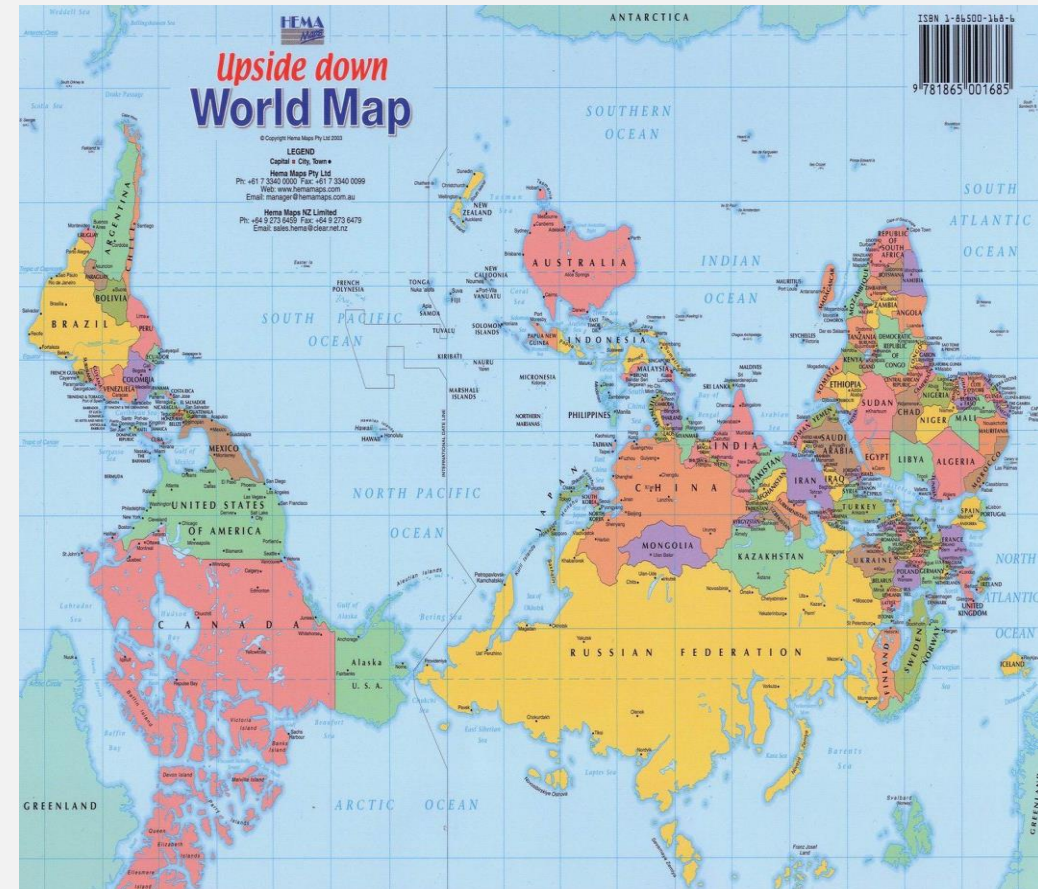


# Introduction

- Aotearoa New Zealand
- FHIR Foundations
- Where are we now?
- National Health Interoperability Platform (nHIP)
- Interoperability Roadmap
- Lessons Learned To Date

# Aotearoa New Zealand

- Land of the Long White Cloud (Aotearoa)
- 3 Main Islands – North Island and South Island
  - Plus the West Island (Australia)
- First settled 800 years ago by Maori
- Population: 5 Million people & 35 million sheep
- 3rd Oldest HL7 Affiliate (1996)
- Attended FHIR Connectathon #1
- Grahame Grieve educated here



## FHIR Foundations

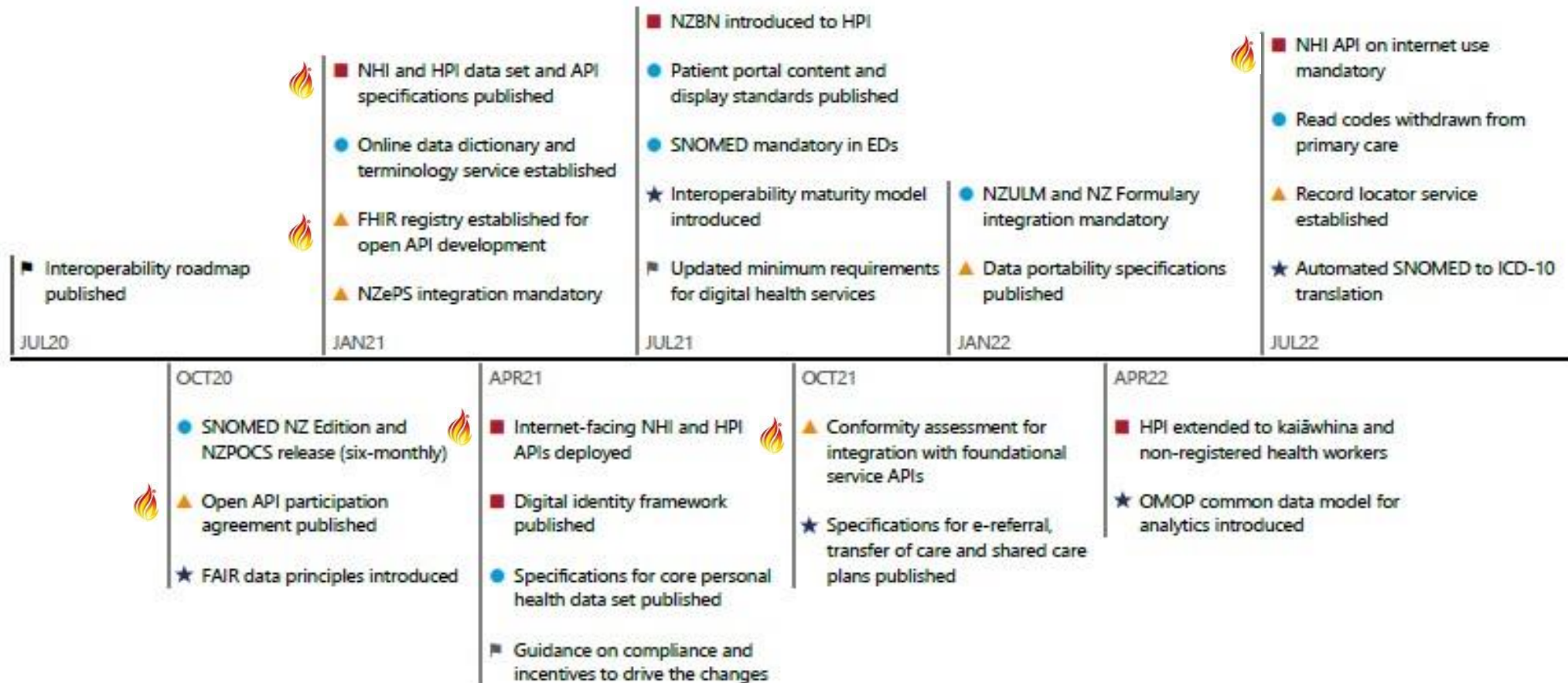
- Participation in International Connectathons & Work Groups
- HL7 New Zealand Education Events
- Local Connectathons & Hackathons
- Government Endorsement (HISO)
- Sandbox Implementations (Terminz)
- Kiws on FHIR - <https://hl7.org.nz/kiwis-on-fhir/>

## Where Are We Now?

- Building Community of Implementators – shared experiences
- *Base NZ FHIR IG* – development by HL7NZ Work Group
- HISO Interoperability Roadmap...
  - “Build an API infrastructure as part of the digital health ecosystem, mainly using the FHIR® standard”
  - “As parties to the FHIR community process, we will use the *FHIR R4 International Patient Summary Implementation Guide* and related specifications”
- National Projects...
  - FHIR APIs for Patient (NHI) and Provider (HPI) Directory Services
  - National Health Information Platform (nHIP)

# Interoperability Roadmap

This consolidated timeline shows the major steps towards interoperability that we have planned over the next two years.



# National Health Information Platform (nHIP)

- The national Health Information Platform (nHIP) is a wide-ranging programme. It includes the creation of digital products and services to enable access to an individual's health information throughout the healthcare system.
- NZ Health and Disability System Review Final Report...*The National Health Information Platform will provide a powerful platform for data integration and interoperability across the health and disability system*
- nHIP will deliver a marketplace of application programming interfaces (APIs), and a developer portal that encourages and supports the innovative use of health information and the publishing of APIs by developers.
- APIs will be developed using the HL7 FHIR standard
- Detailed Business Case to be delivered to NZ Cabinet shortly



## Lessons Learned To Date

- Consensus & Cultural Changes
- Infrastructure – on-premise servers
- Mapping existing Use Cases & Workflows – Information Models
- FHIR Resource Model – References & Grouping (Bundle, Composition, List, Group)
- Terminology – binding levels (required, extensible, preferred, simple)
- Local Codes (e.g. pathology)
- National Terminology Service MIA
- URIs and URLs – resolvable & canonical
- Extensions – simple & complex

## Contact

- During DevDays, you can find / reach me here:
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# Q&A