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ITHealthBoard

End-to-end Medication Management

GS1 HUG
Wellington
2nd March 2011

Medicines Management



HEALTH QUALITY & SAFETY
COMMISSION NEW ZEALAND

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- Major focus for the sector
- Drivers include
 - Patient safety
 - Optimal use of medicines to improve quality of care, patient outcomes and manage costs
 - Process quality & efficiency
- Key sector strategies, plans and initiatives include
 - Actioning Medicines NZ
 - NZ Universal List of Medicines (and Medicines Formulary)
 - Safe Medication Management Programme / Health Quality & Safety Commission
 - National IT Plan
 - Information and process standards development
 - eMedicines Management
 - PHARMAC extending to hospital medicines
 - Optimising Prescribing Programme
 - Auckland DHBs and PHOs



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e-Medicines Management



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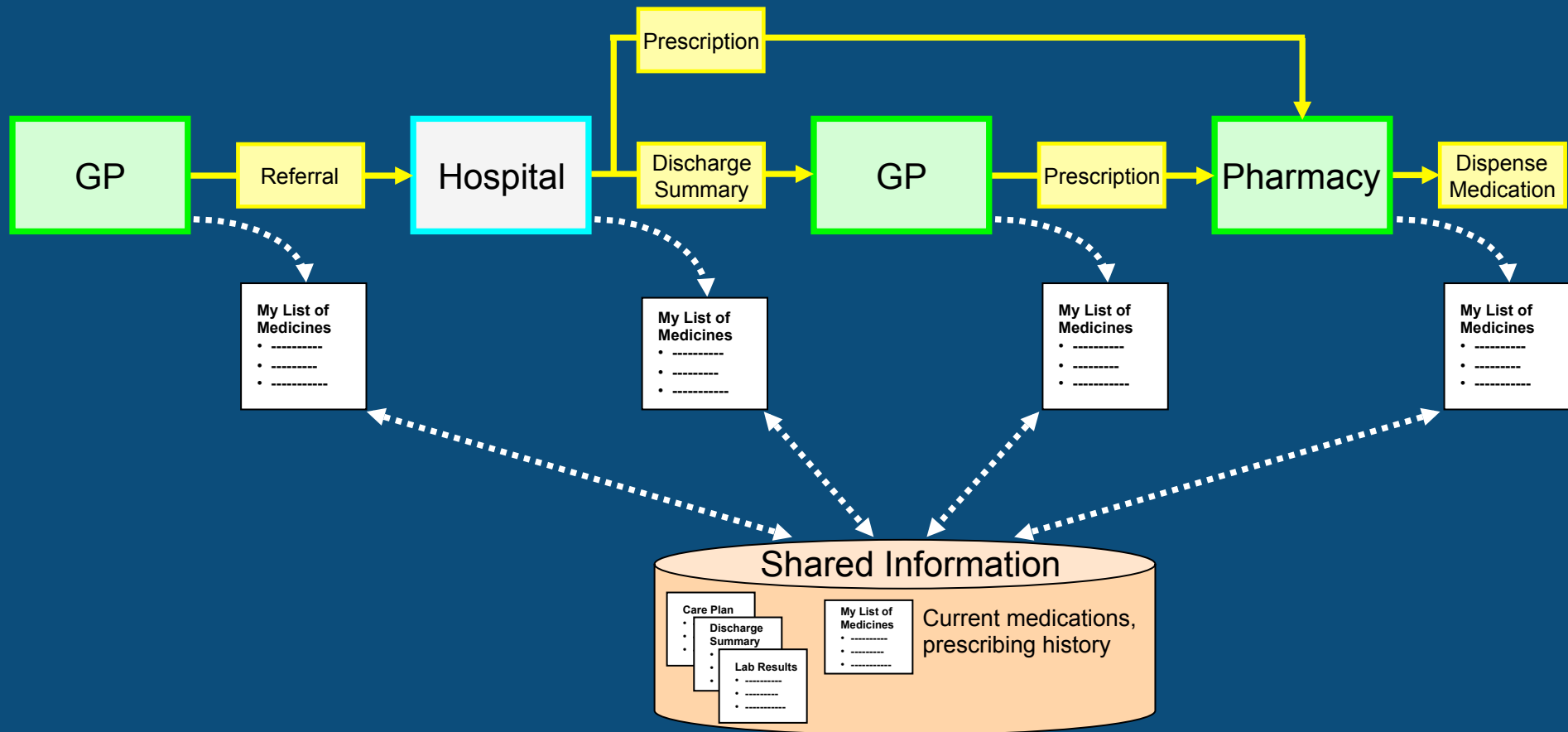
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e-Medicines Management Programme

- The National Health Board is establishing a National eMedicines Management Implementation Programme
- The purpose of this programme is to contribute to the safe, effective and appropriate use of medicines.
- An overall goal of the programme is to ensure that a person's medication information is accurate, up to date, and accessible across the continuum of a person's healthcare by health care providers and the patient themselves.

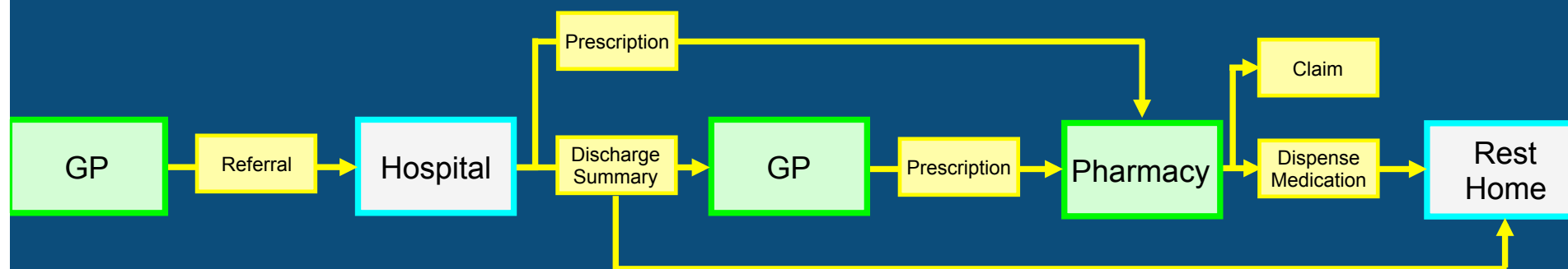
My List of Medicines – end-to-end (example)



- A list of a person's prescription medication is
 - maintained at every contact with the health system
 - accessible across the continuum of care, subject to strict privacy and security controls
- In future could include allergy / ADR and non-prescription medication information

e-Medicines Management Programme Scope

- Responsible for leading currently active projects:
 - In-hospital e-medicines management
 - Initially based on the trials in Otago, Taranaki and Counties Manukau / Waitemata
 - Community e-prescription service
 - NZ Universal List of Medicines and NZ Medicines Formulary



- Oversight of / involvement in the medication sections of other projects including:
 - e-transfer of care, e-shared care, regional CDRs, medical warnings, medicines supply in particular product identification and cataloguing, patient / provider identity, medication charting, medicines reconciliation
 - Primarily standards focused (medicines)



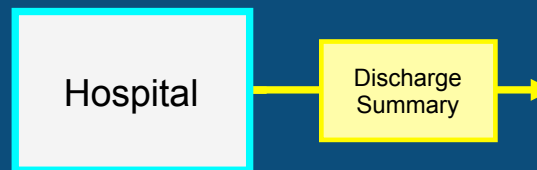
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In-Hospital Medicines Management

In-Hospital Medicines Management

- Covers
 - ADT
 - Admission medication history & medication reconciliation
 - Discharge summary – medication changes summary & medication reconciliation
 - Patient yellow card
 - Medication charting (prescribing and administration)
 - Pharmacy management





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NZ ePrescription Service

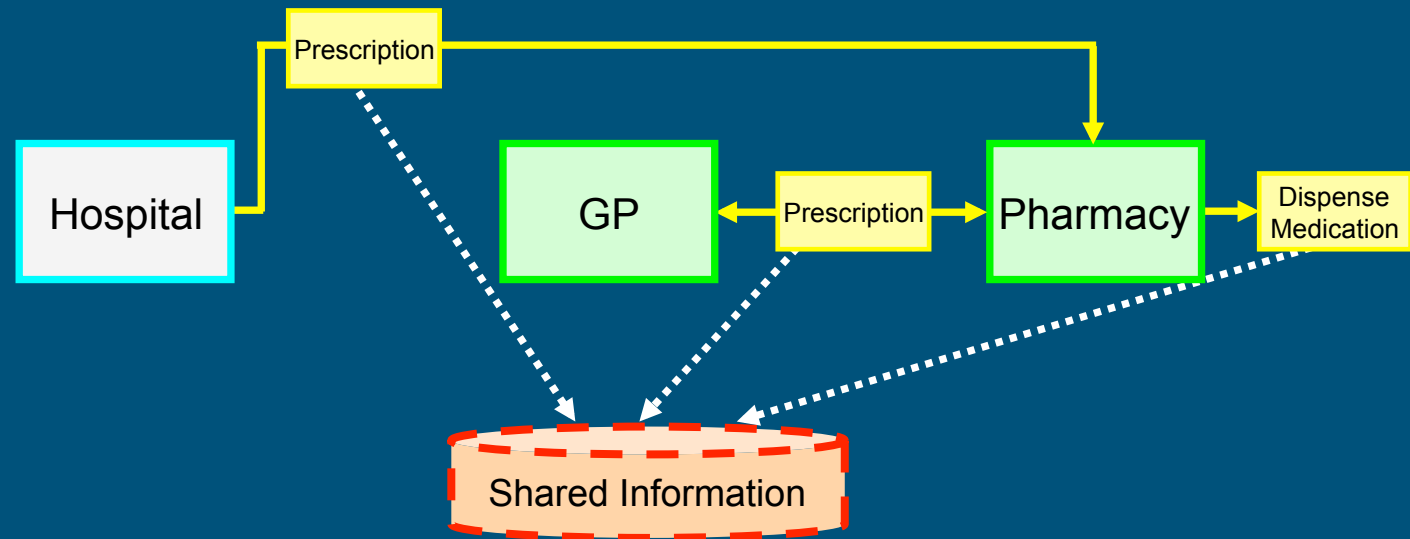


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NZ ePrescription Service (NZePS)

- A service that:
 - manages the electronic exchange of prescriptions* including:
 - GP to Community Pharmacy
 - Pharmacy generated prescriptions
 - Hospital to Community Pharmacy
 - sends data to regional clinical data repositories (e.g. TestSafe Pharmacy)**



* Paper coexists, paper equivalence

** Broker is transaction centric i.e. it is not a CDR / does not store patient health record

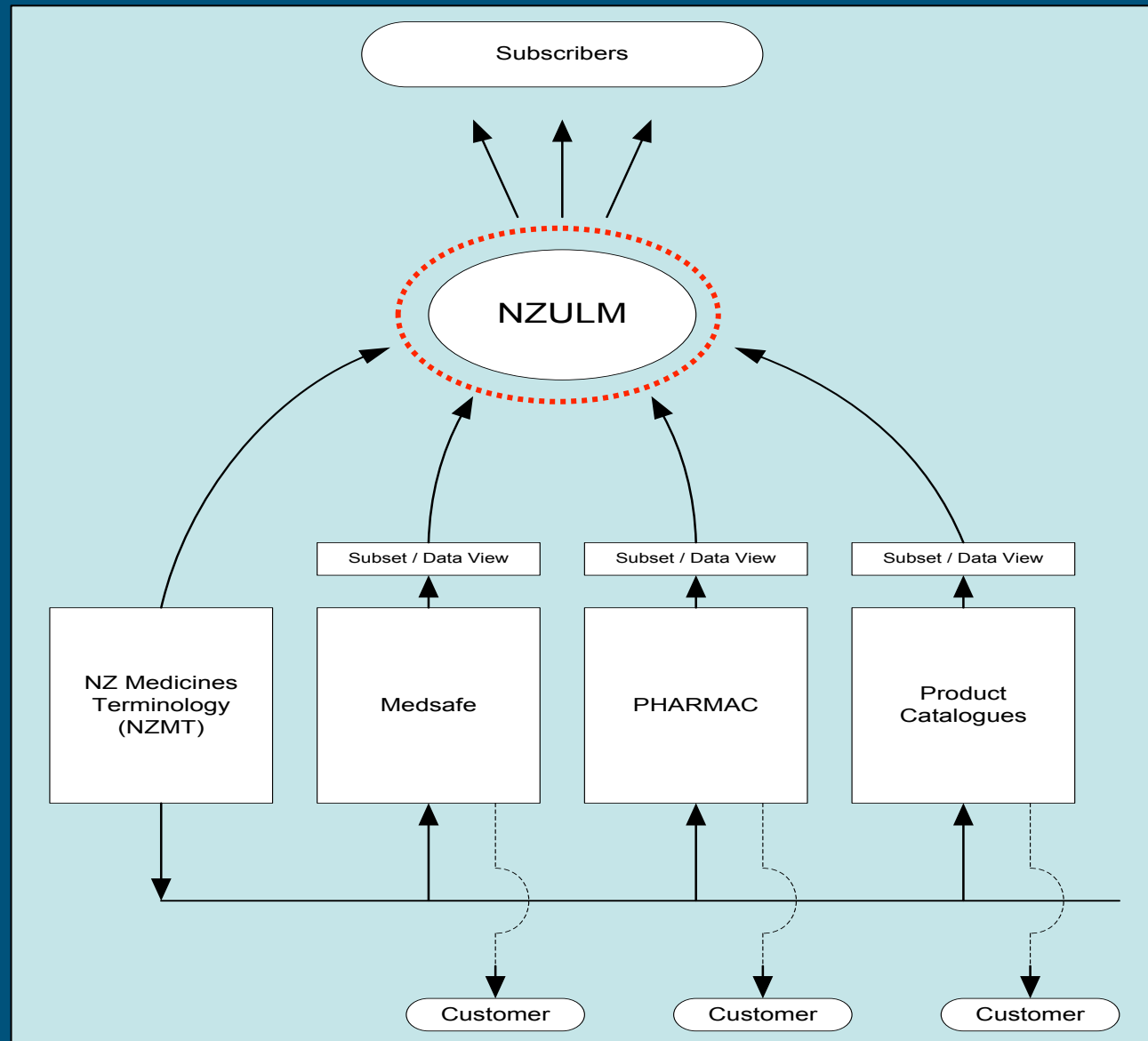


NZULM / NZMF

NZ Universal List of Medicines (NZULM)



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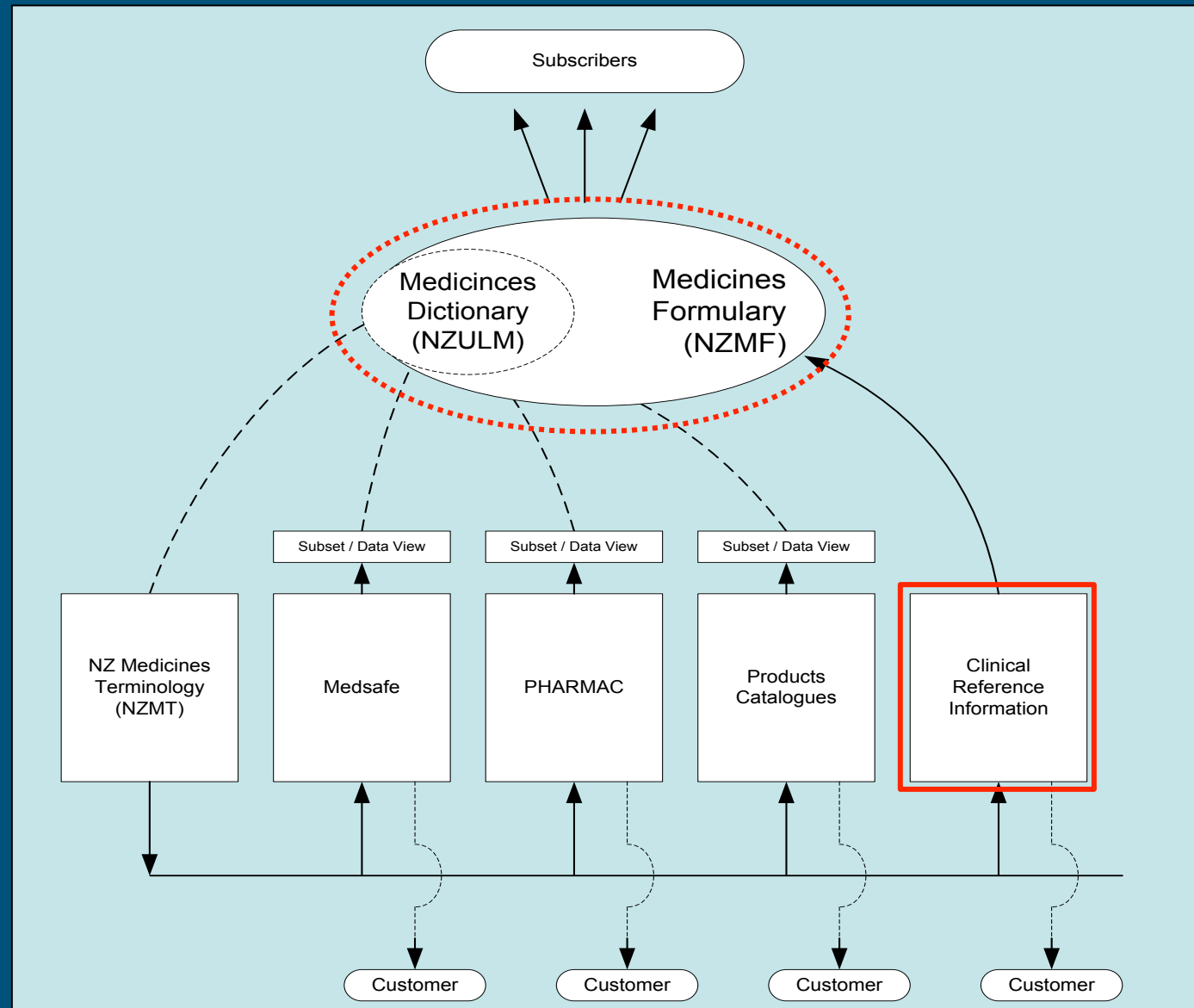


Contains basic facts about medicines (& devices)

NZ Medicines Formulary (NZMF)



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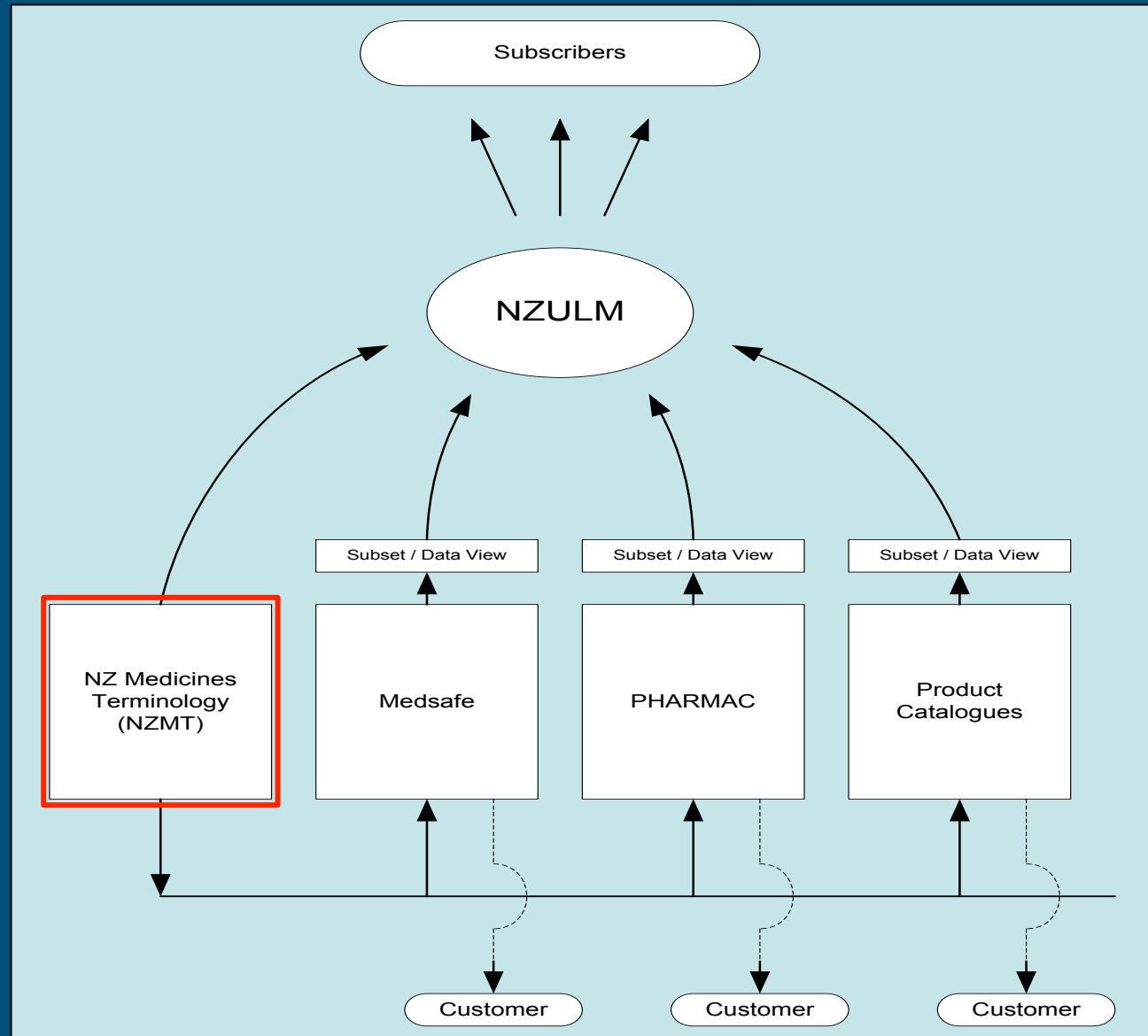


Contains NZULM plus evidence-based clinical information (indication, contraindications, interactions, prescribing guidance, etc)

NZ Medicines Terminology (NZMT)



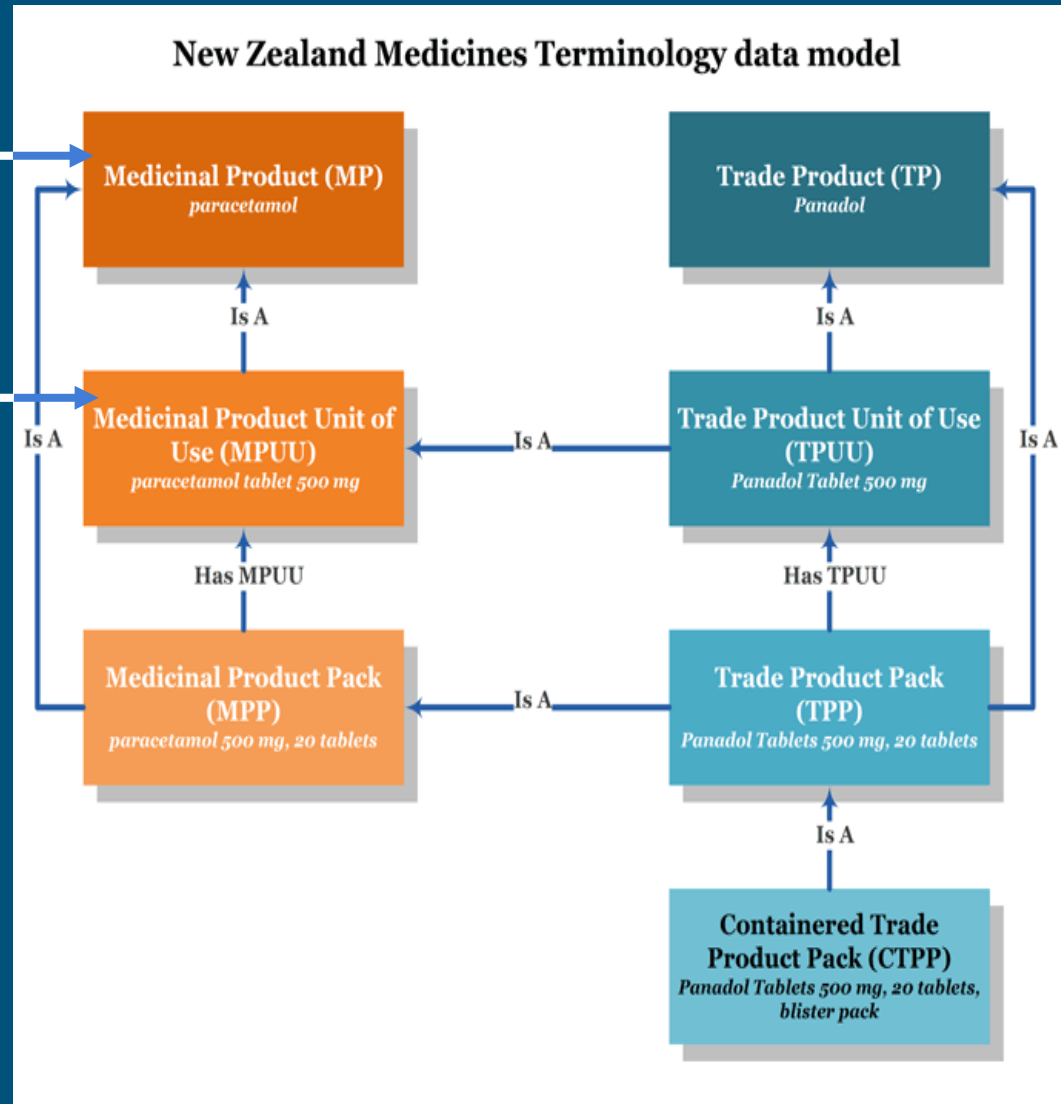
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NZ Medicines Terminology Model**

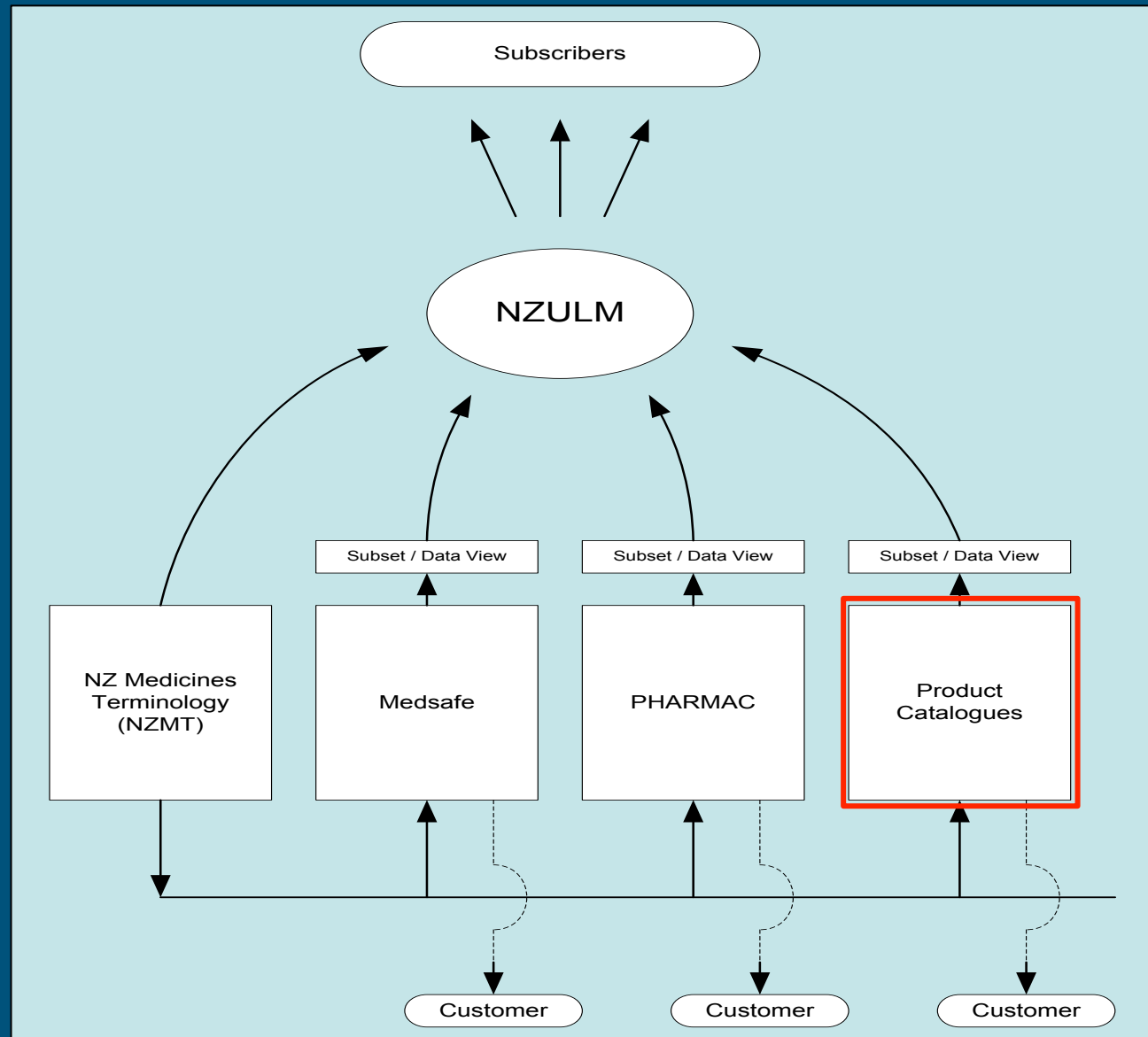
SNOMED CT



** simplified model



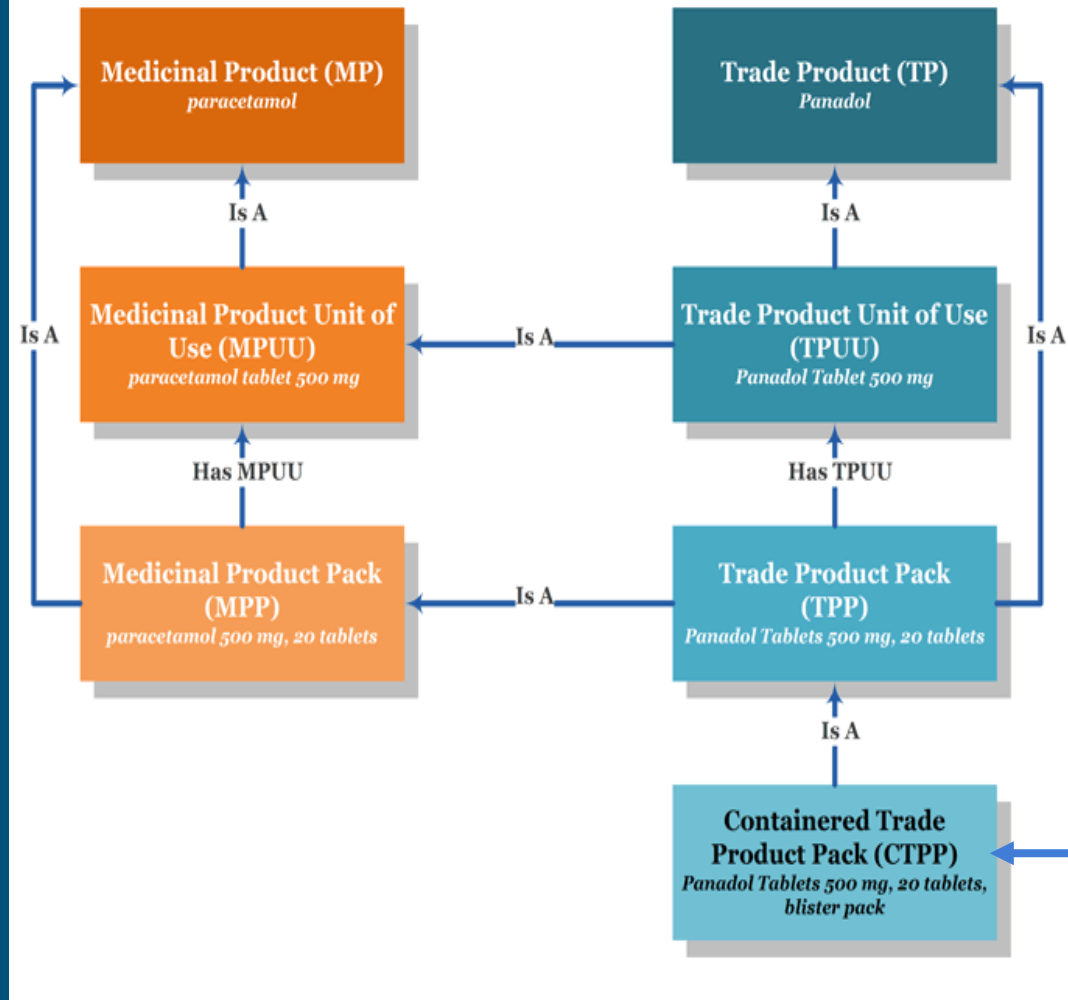
Product Catalogues





Supply Side / Claiming Identifiers

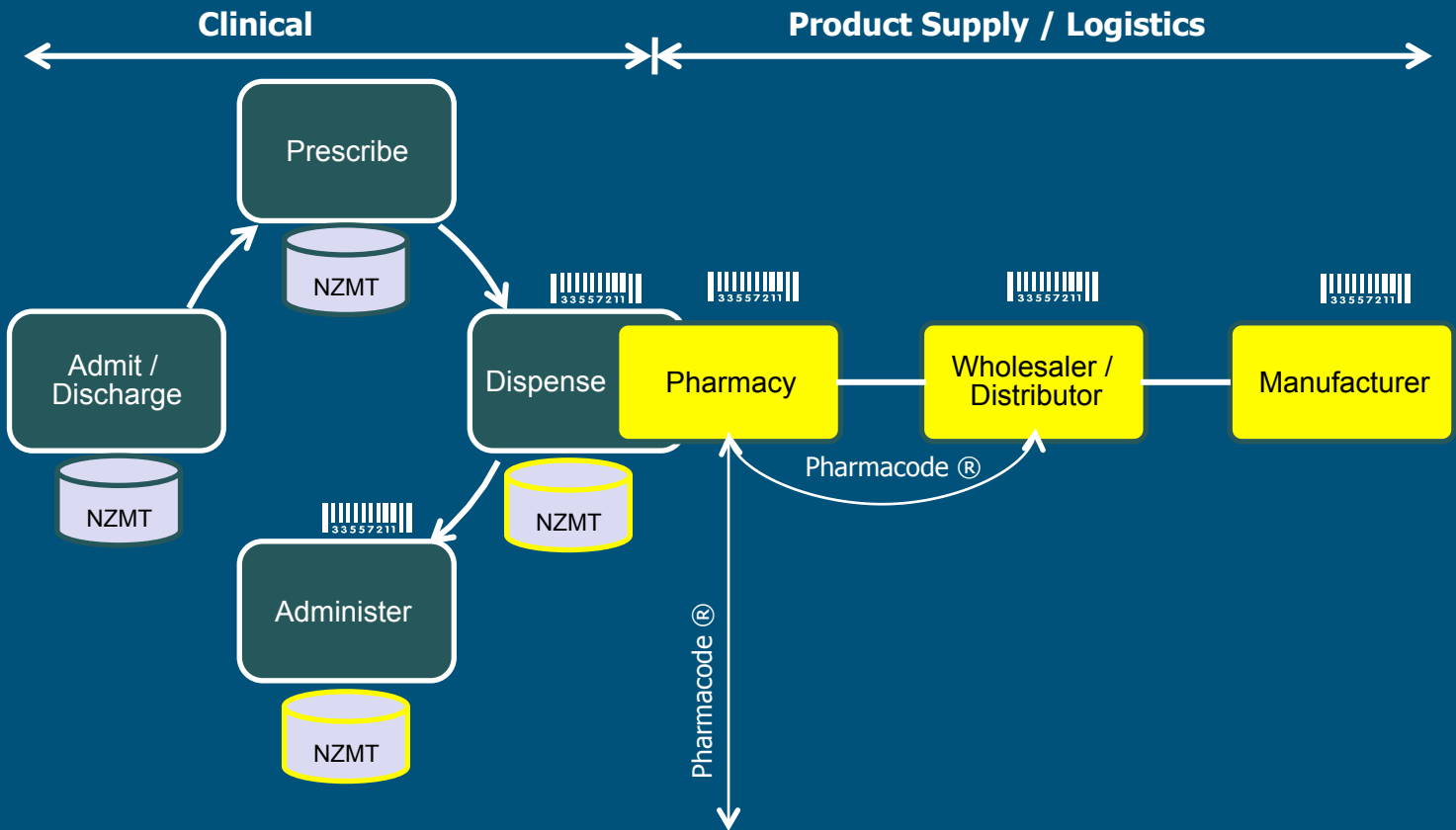
New Zealand Medicines Terminology data model



Pharmacode®
GS1 GTIN



Terminology & Product ID Linkages



One barcode can be used from manufacturer to the bedside, supporting both clinical and product supply needs



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Status



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Status

- Medication Chart – standards, rolling out national chart , SPT
- Medicines Reconciliation – standards, national rollout underway
- eMedication Management – pilots in Southern, Taranaki, Counties Manukau and Waitemata DHBs, Midland region project
- eTransfer of Care – standards, AK discharge project, Hutt & AK / Northland referrals projects, GP2GP
- NZ ePrescription Service – trial underway
- Regional Clinical Data Repositories – TestSafe N & S
- NZ Universal List of Medicines – Preparing for general release (Release 1) plus enhancements (Release 2)
- NZ Medicines Formulary) – RFP released, proposals received
- Supply side standards – SMM, IT Board, national leaders forum
- Identity – supplier selected, project initiated