

NZ *e Prescription* Service (NZePS)
for
Better Management of Medicines
Nurse Practitioners Conference
2017

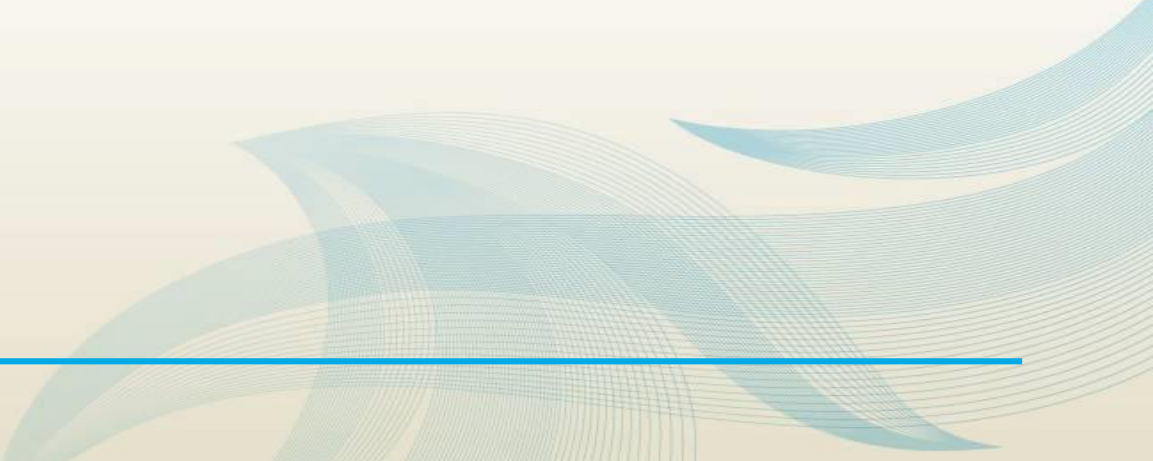
Mark Anderson

Principal Advisor

Connected Health Digital Services

Ministry of Health

Agenda

- Context - Prescriptions & Medicines Management
 - Perspectives & Themes – for Nurse Practitioners
 - Electronic Special Authorities for NP Prescribers – a chance to learn
 - NZePS Basic Concepts – NZ e-Prescribing or e-Prescription Service or?
 - Progress - where is NZePS now?
 - In conclusion – Perspectives & Themes
-
- 


Context: For better medicines management

- Hospital electronic Prescribing & Administration
 - Hospital Medicines Reconciliation
 - Residential Care Charting
 - Special Authorities
 - NZ Universal List of Medicines (NZULM)
 - NZ Formulary (NZF)
 - Shared Care – Collaborative Care Medicines Management Services
-

Context: Global investments

- USA: <https://healthit.ahrq.gov/key-topics/electronic-prescribing>
 - Canada: <https://www.infoway-inforoute.ca/en/solutions/e-prescribing>
 - UK: <http://systems.digital.nhs.uk/eps>
 - Australia: <http://erx.com.au/eprescribing/> and <http://www.medisecure.com.au/>
 - NZ: <https://www.health.govt.nz/our-work/ehealth/other-ehealth-initiatives/emedicines/new-zealand-eprescription-service>
-

Context: Goals for better medicines management

- Safety – reducing clinical errors
 - Efficacy – right medicines, right way, right time
 - Efficiency – smarter use of resources and reducing administrative errors
 - Equity – Access to health services as a social good
-
- 

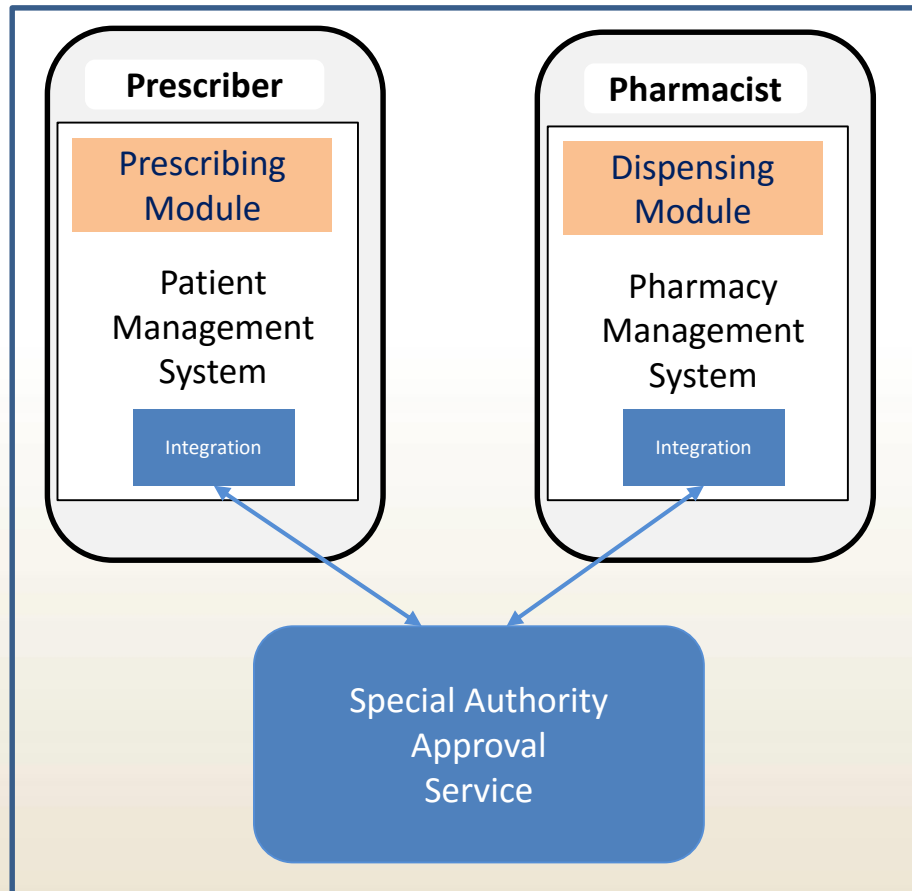
Perspectives and Themes: for Nurse Practitioners

Shared challenges are:

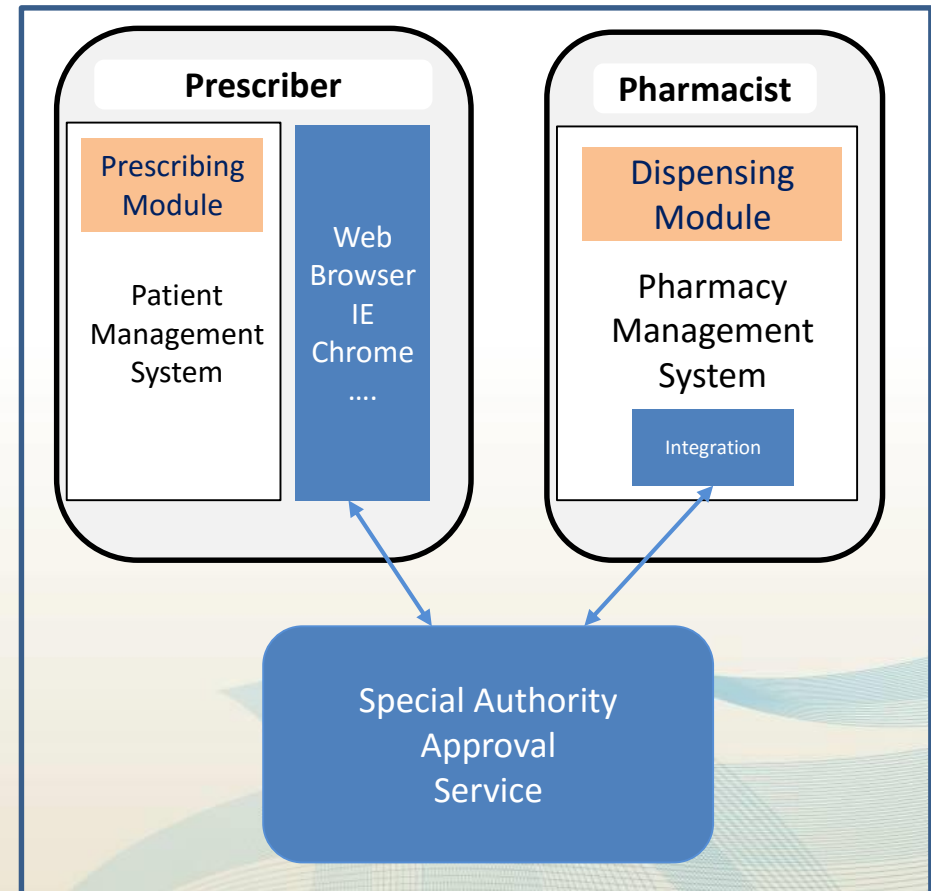
- Value comes only when models of care change
 - Change only comes when language changes
 - Everyone needs to be a partner – a collaborator
 - Including IT
-

e-Special Authorities - Nurse Prescribers want ..

Option: A

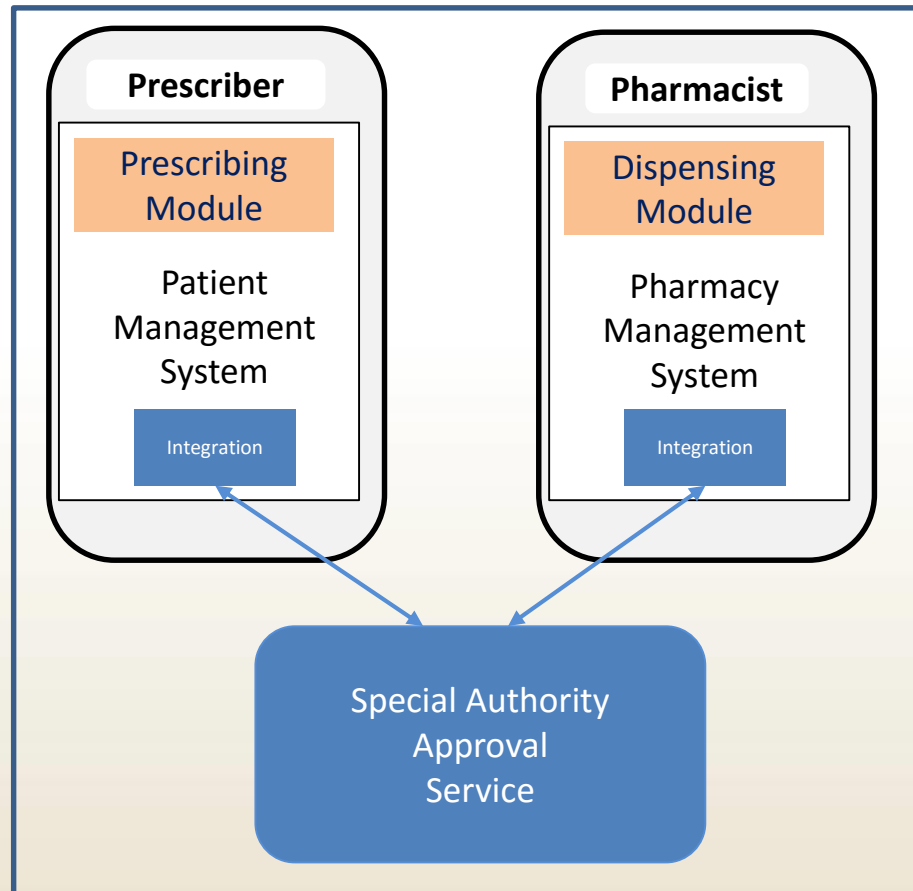


Option: B

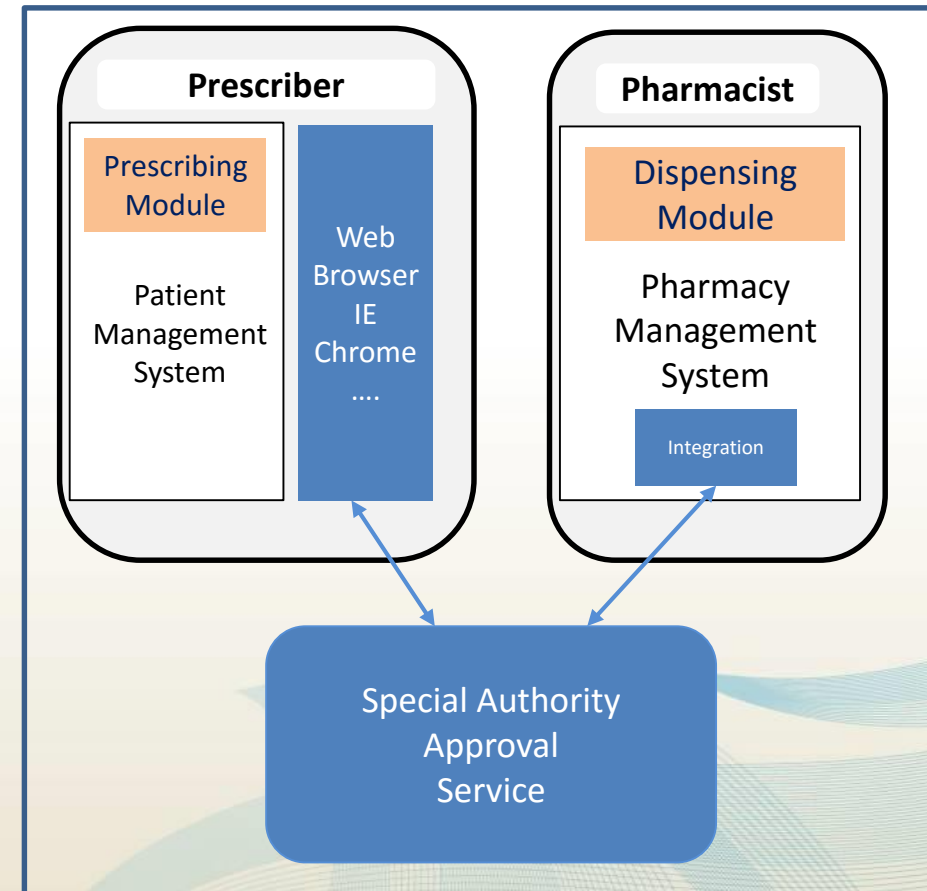


e-Special Authorities – IT would prefer ...

Option: A



Option: B



E-Special Authorities: Option A delivered

- All General Practice Patient Management Systems support integrated electronic special authorities .. nearly
 - Same functionality for all prescribers regardless of profession
 - Required a shift in mindset both to Practice IT management & Vendor IT development & testing decisions
 - Clinical - Business Process & Workflow integration
 - Collaboration & Competition
-

An NZePS electronic prescription

COPY ONLY

Dr Sam Entwistle

NZMC Reg No. A88984-3 HPI Facility. F99999-B

Item Count:

Subsidy Card:

Arnold Smith

Flat 1, 76 Alexander Street, Newmarket, Auckland

W/H ph: 234 5678, 987 5674

GMS: A4

DOB: 1 Feb 1934

NHI: PRP1660

Rx

23 Oct 2015

Dispense stat list medicines once only unless Frequent Dispense specified

Panadol 500mg Tab

Sig: 2 tabs, As Required

Mitte: 60 tabs

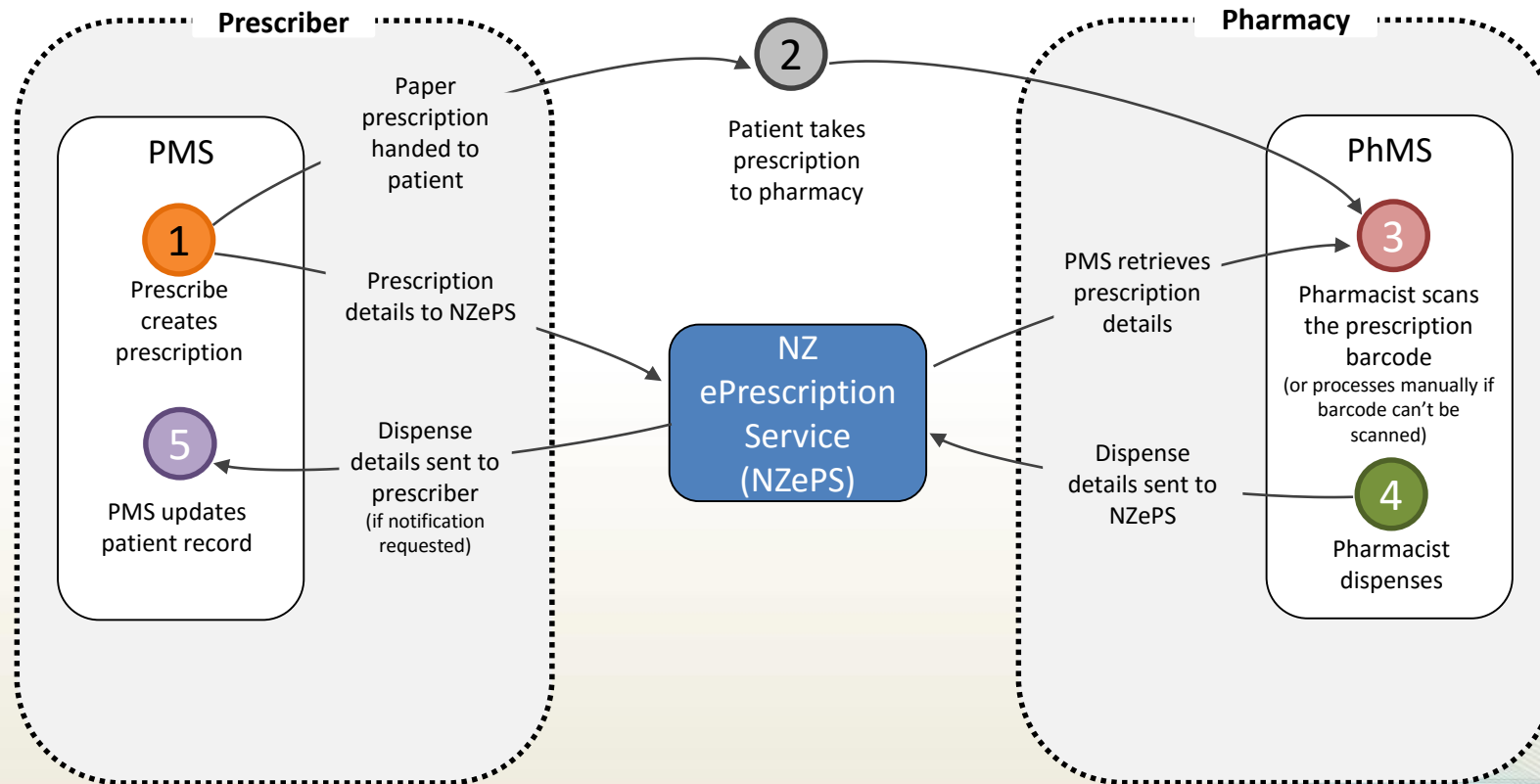
(Generic Substitution Allowed)



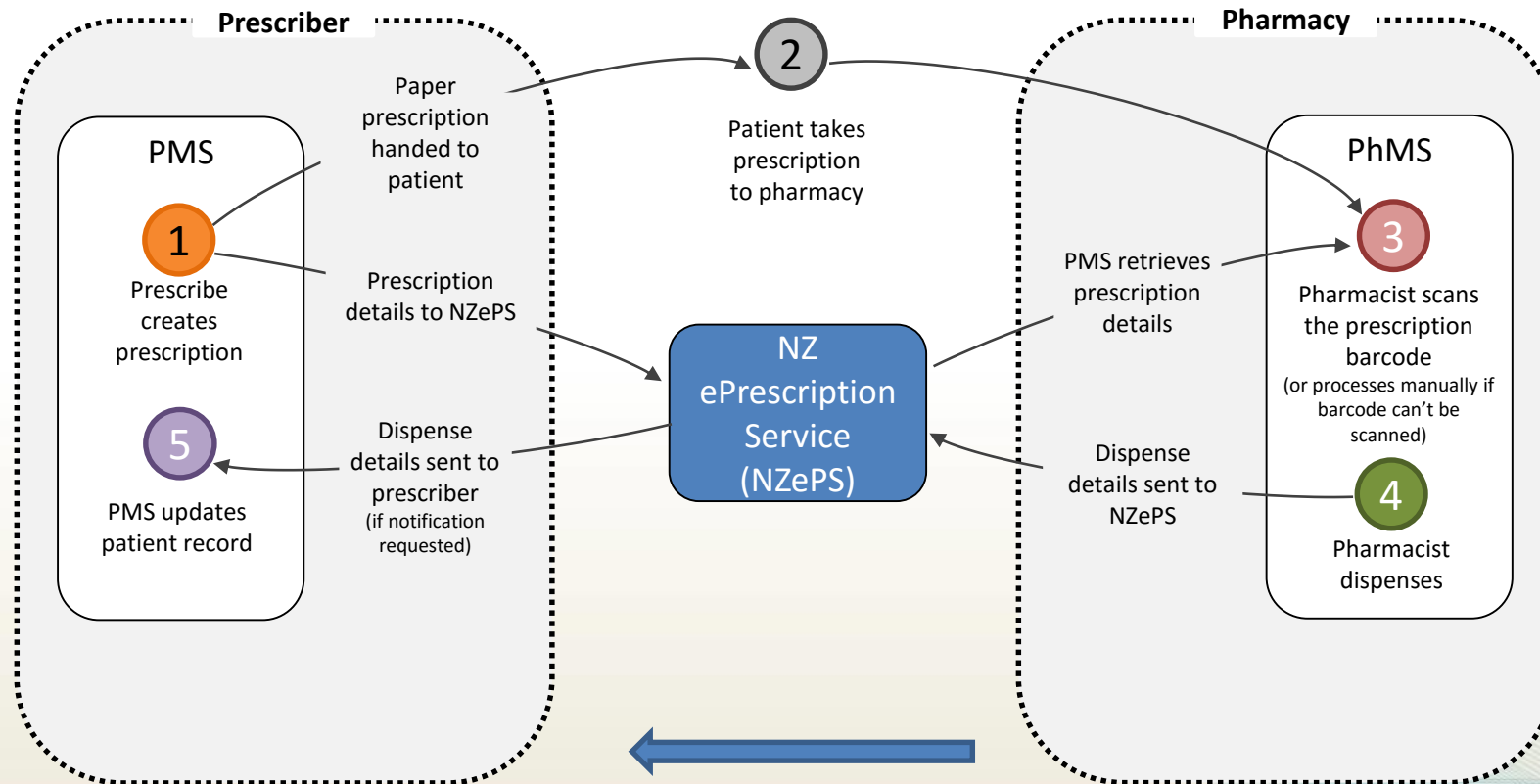
27HGCSY74BH547MNEQ

Unique Script Identifier (SCID)

NZePS - the basic concept



NZePS - the basic concept



Enabling a shared clinical record for medicines

Value proposition- For the Prescriber

Safety, Efficacy, Efficiency

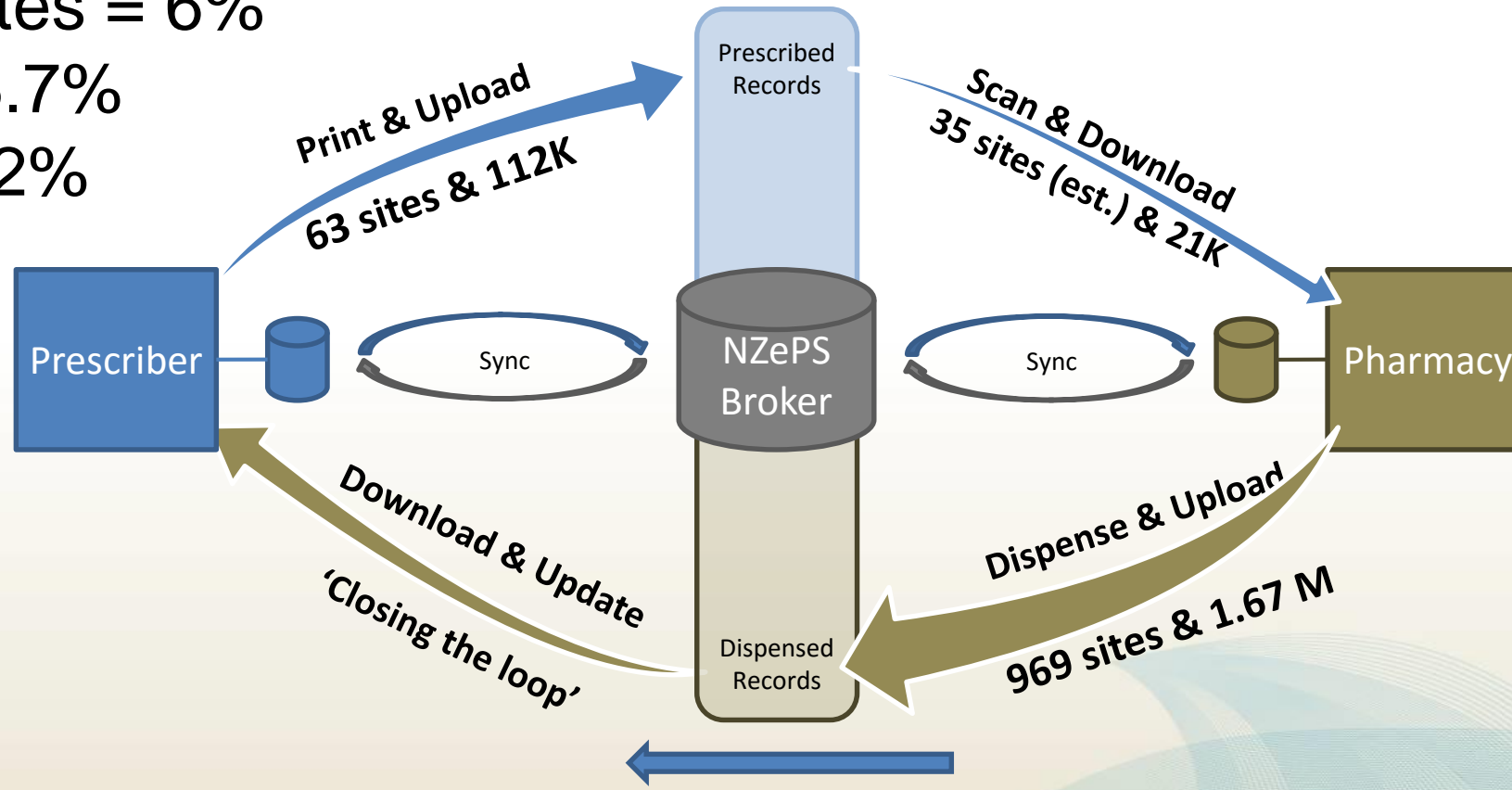
- Won't have to handwrite prescriptions for Controlled Drugs - *time*
- Won't have to send original prescriptions to the pharmacy after they have been faxed- *time and cost*
- Reduced interruptions from pharmacies querying prescriptions-*time*
- Helps evaluate and address issues of patient medicines adherence – *quality, patient outcomes, health sector cost savings*
- Improves quality of patient medication history information - *quality, patient outcomes*

Uptake & Usage at 28 April 2017

63 GP sites = 6%

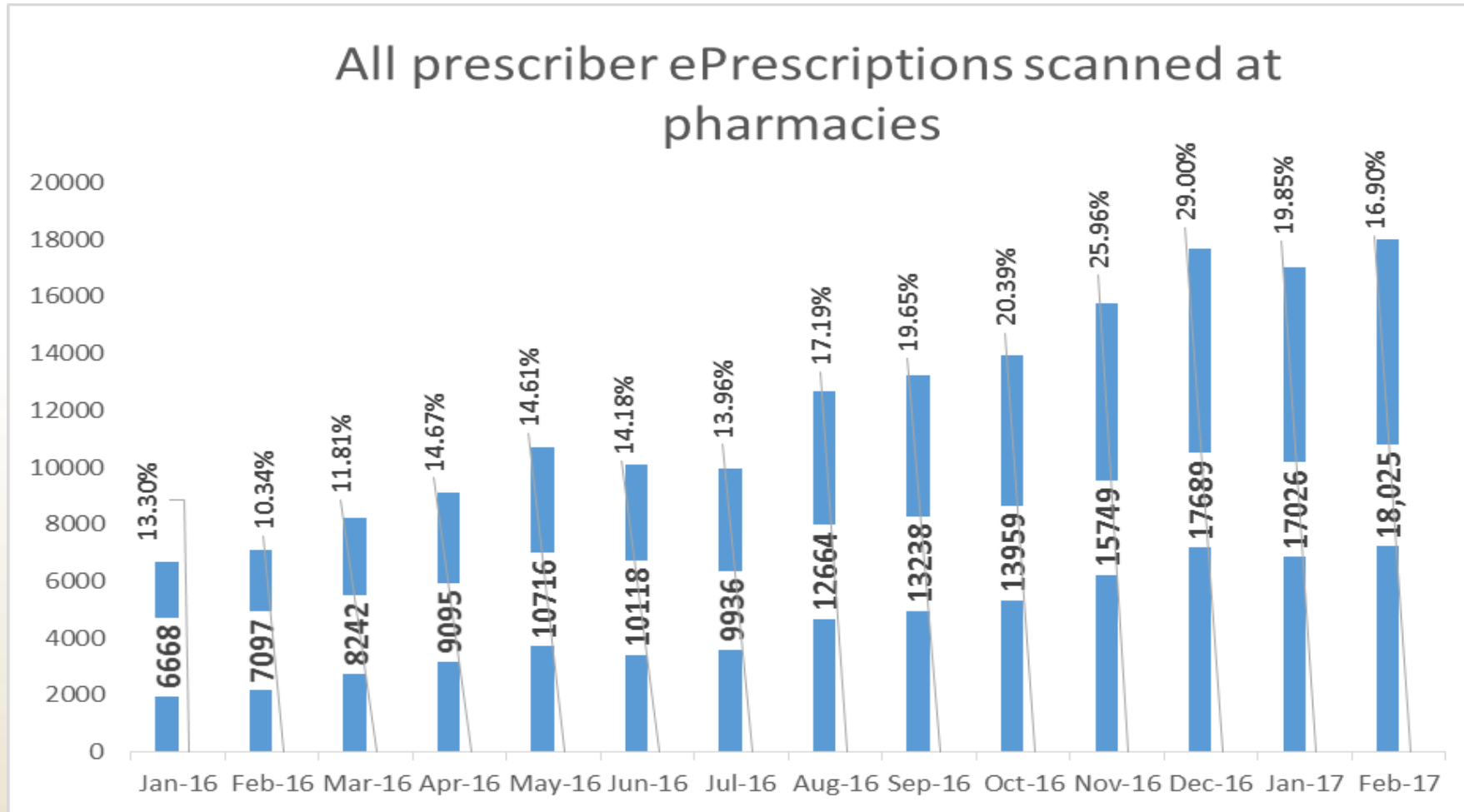
112K = 6.7%

21K = 1.2%

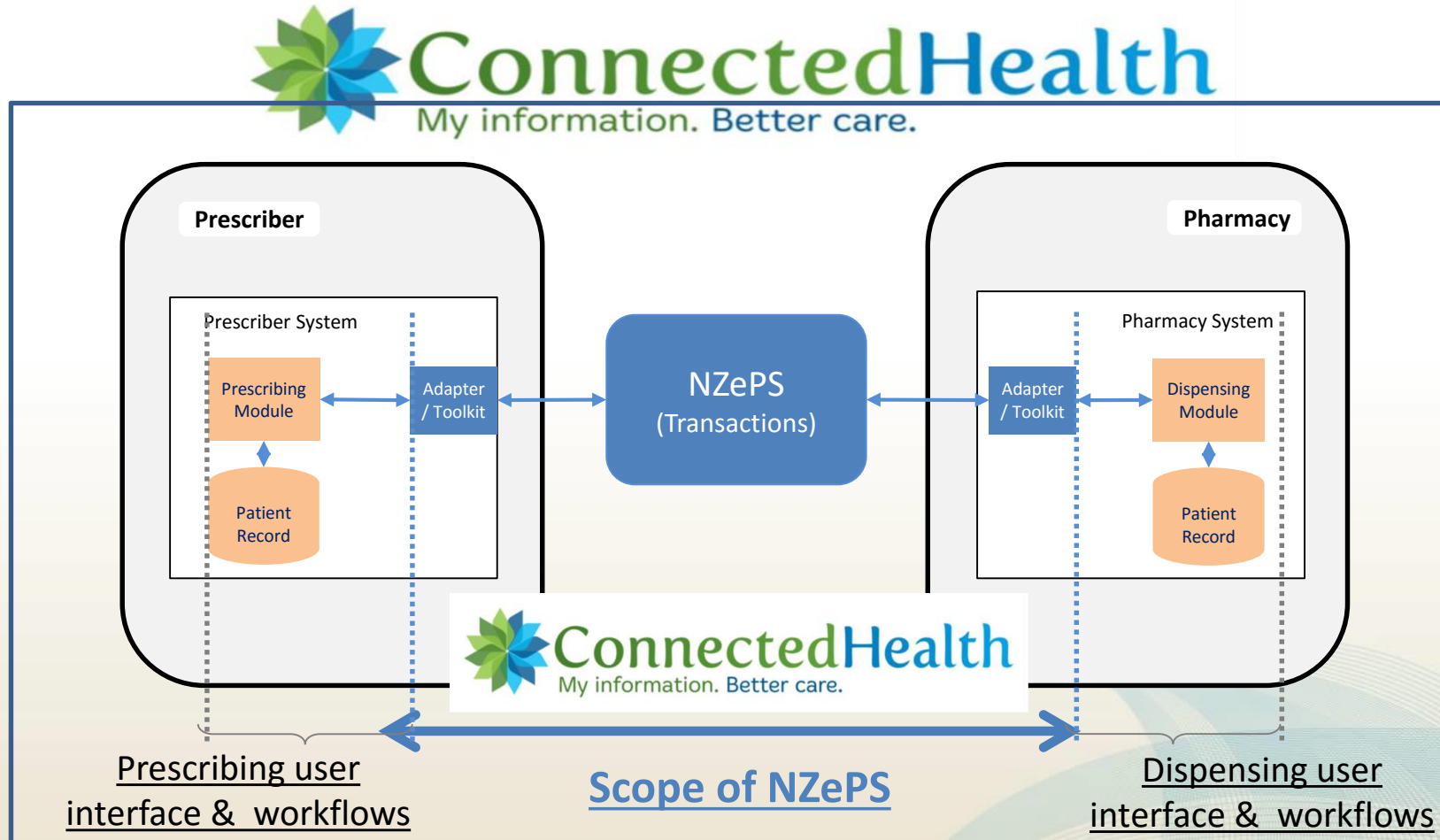


Enabling a shared clinical record for medicines

NZePS Progress



“Shining a light on medicines management”



Perspectives and Themes: Summary

Shared challenges are:

- Value comes only when models of care change
 - Change only comes when language changes
 - Everyone needs to be a partner – a collaborator
 - Including IT
 - Change is complex and complicated
-