

Australia Pharmacy Liaison Forum

E-Health and Pharmacy

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Agenda

- NEHTA
 - Personally Controlled Electronic Health Record
- eMedication Management
 - eTP implementation
 - National Prescribing Service
- Next pieces of work

NEHTA's purpose



Lead the uptake of eHealth systems of national significance; and coordinate the progression and accelerate the adoption of eHealth by delivering urgently needed integration infrastructure and standards for health information

NEHTA's place in eHealth



- Increasing involvement in implementation sites
- Managing agent for PCEHR
- Support integration of eHealth
- National eHealth infrastructure

From the National eHealth Strategy

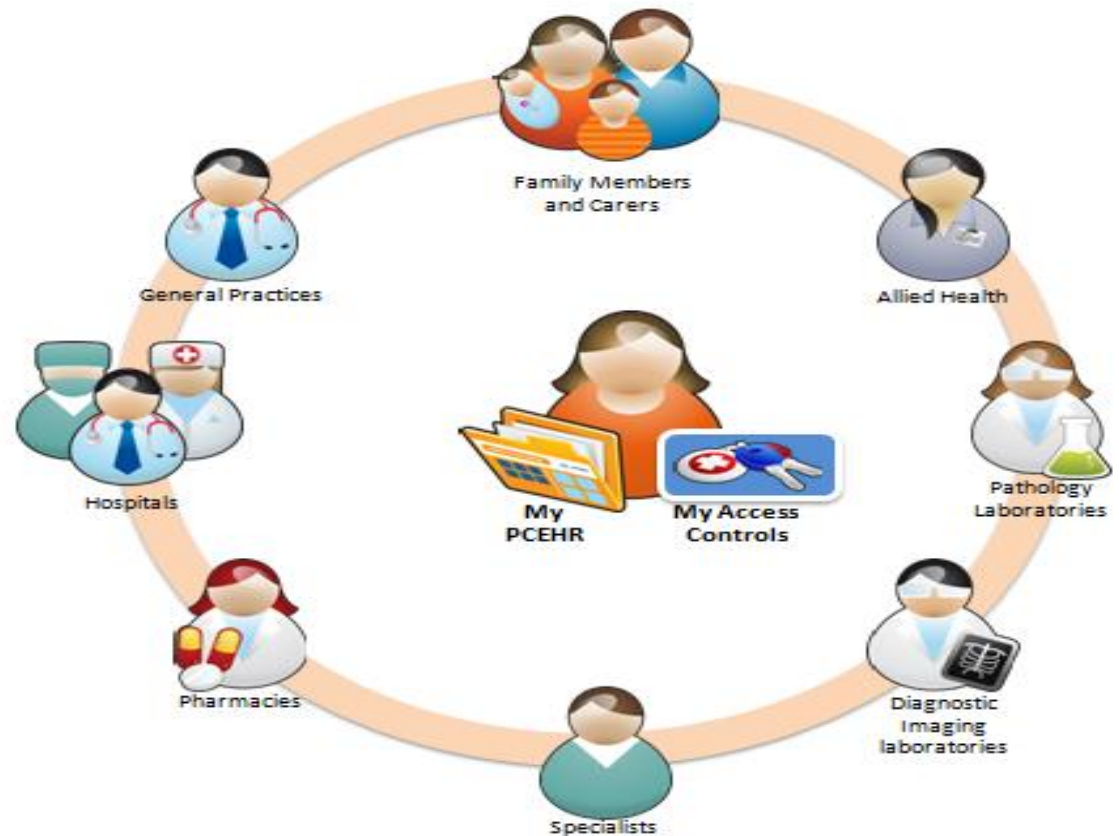


eHealth is one of the most important opportunities to:

- Improve the quality and safety of healthcare
- Reduce waste and inefficiency
- Improve continuity and health outcomes for patients

Personally Controlled Electronic Health Record	Clinical Information	Individual Information	Shared Information	[Others]
E-Health Services	Shared Health Profile	Events Summaries	Self Managed Care	Complex Care Management
E-Health Solutions	ePathology	eDischarge	eReferral	eMedications
National Infrastructure Components	Terminology	Secure Messaging	Identifiers	Authentication

The Personally Controlled Electronic Health Record ^{nehta}



Current Content



- Health Summary
- Event Summary
- Discharge Summary
- Medicare Data (MBS, PBS, ACIR, ODR)
- Consumer Data
- Personal Health Diary (Not Shared)
- Advanced Care Directives (Custodian)
- Medicines & Adverse Reactions
- Support for Diagnostic Reports
- Specialist Letters
- Prescription and Dispense Notifications

Shared Health Summary Information: Content



- Individual [patient]
- Allergies and Adverse Reactions
- Medicines
- Medical History
- Immunisations
- Document Control

Event Summary Information



- Individual [patient]
- Event Details
- Allergies and Adverse Reactions
- Medicines
- Diagnoses
- Interventions
- Immunisations
- Diagnostic Investigations
- Observations
- Document Control

It's happening now

nehta



- More than 1,400,000 Individual Healthcare Identifiers in use across Australia.
- More than 730,000 GP patient records have been matched in 370 GP practices in Brisbane North, the Hunter and Melbourne East.

It's happening now

nehta



- WA, NSW, SA, VIC, QLD and ACT are using the National Product Catalogue
- VIC has started using Australian Medicines Terminology
- NT is using Secure Messaging Delivery and ACT will use it as part of its product and inventory control system



Why do Medication Management?

The facts speak for themselves



Australia's life expectancy is one of the highest in the world, second only to Japan

In 1996, chronic disease accounted for 80 per cent of the burden of disease, measured in terms of loss of years and quality of life

Over three million Australians, or nearly one in seven, suffer from chronic disease

Health expenditure as a proportion of Australian GDP has more than doubled over the last four and a half decades from 3.8% to 9%

Impact on consumers



It is estimated 5,000 Australians die each year due to adverse medical events.¹

Up to one in six (18%) medical errors are due to inadequate patient information.²

Nearly one in three (30%) unplanned hospital admissions in those over 75 years are associated with prescribing errors.³

1 Australian Patient Safety Foundation, www.consultmagazine.net

2 Australian Institute of Health and Welfare, *Australia's Health 2002*, 2002

3 Chan. M, 2001, Internal Medicine Journal, Adverse drug events as a cause of hospital admission in the elderly; 31: 199-205

Impact on clinicians

Clinicians spend around a quarter of their time collecting information rather than treating patients.⁴

ePrescription systems in Sweden, the US and Denmark increased health provider productivity per prescription by over 50%.⁵

eReferrals in Europe reduced the average time spent on referrals by 97%.⁶

4 For Your Information, Australia Audit Commission, Canberra, 1995

5 Karl A Stroetmann KA, Jones T, Dobrev A, Stoetmann VN, 'An Evaluation of the Economic Impact of Ten European E-Health Applications', 2007

6 Ibid

Current thinking



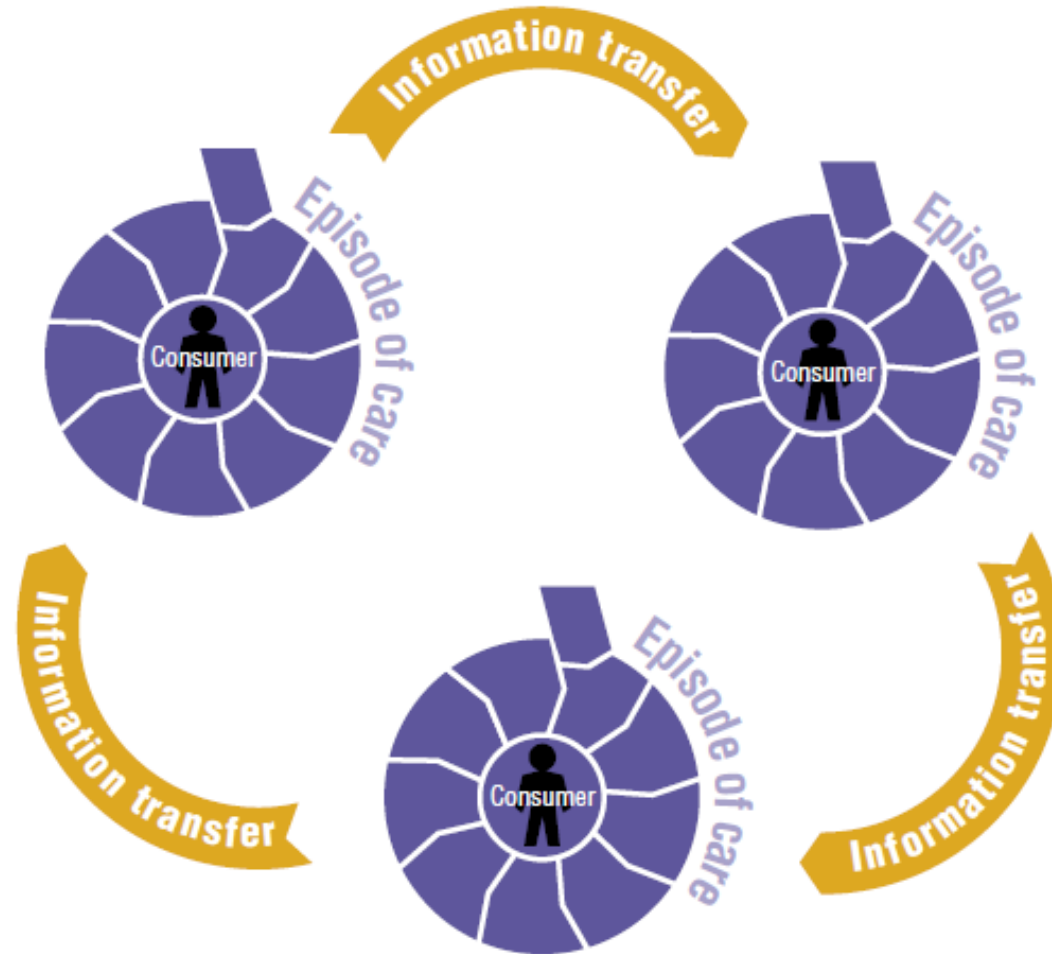
- Medications are crucial to healthcare delivery
- Evidence shows there is room for improvement in the management of medications in Australia
- The initial generations of eHealth systems widely deployed across the health sector have helped streamline the management of healthcare.
- Number of major opportunities that with proper coordination can yield even greater benefits.

Where to start?



Medication Management Cycle: Reproduced by Permission, Commonwealth of Australia, Guiding principles to achieve continuity in medication management, July 2005 [APAC].

Information Transfer between Episodes of Care



NEHTA has identified six capabilities

1. Exchange of Electronic Prescribing and Dispensing Messages
2. Electronic Medication Profile
3. Adherence Monitoring
4. Medication History List
5. Clinical Decision Support
6. Future Permissible Secondary Uses



Capabilities aligned with PCEHR



1. Electronic Transfer of Prescriptions
2. eMedication Profile Release 1
3. eMedication Profile Release 2
4. Dynamic Medication Record
5. Clinical Decision Support
6. Future Permissible Secondary Uses

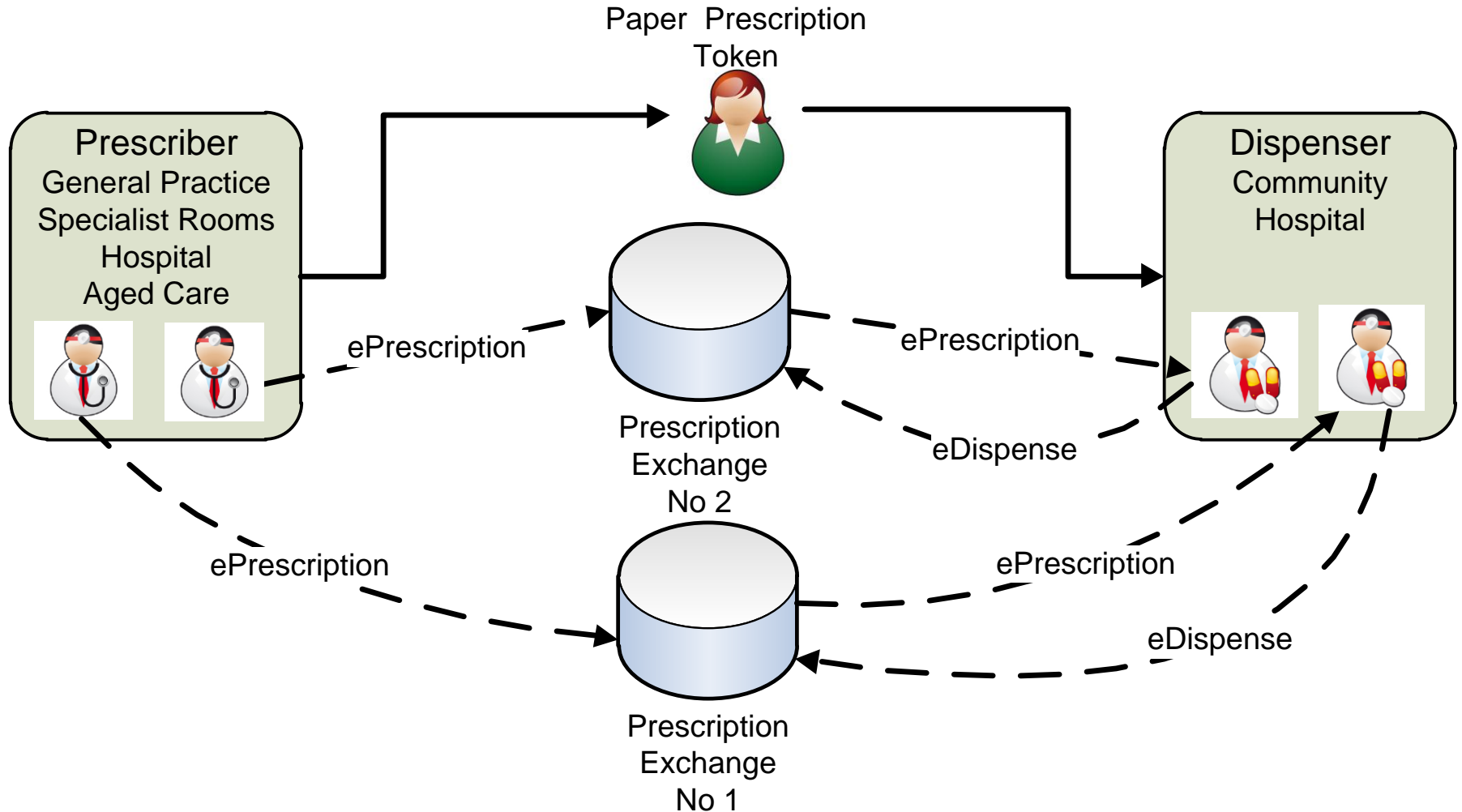
ETP Release 1.2



'any script, and pharmacy'

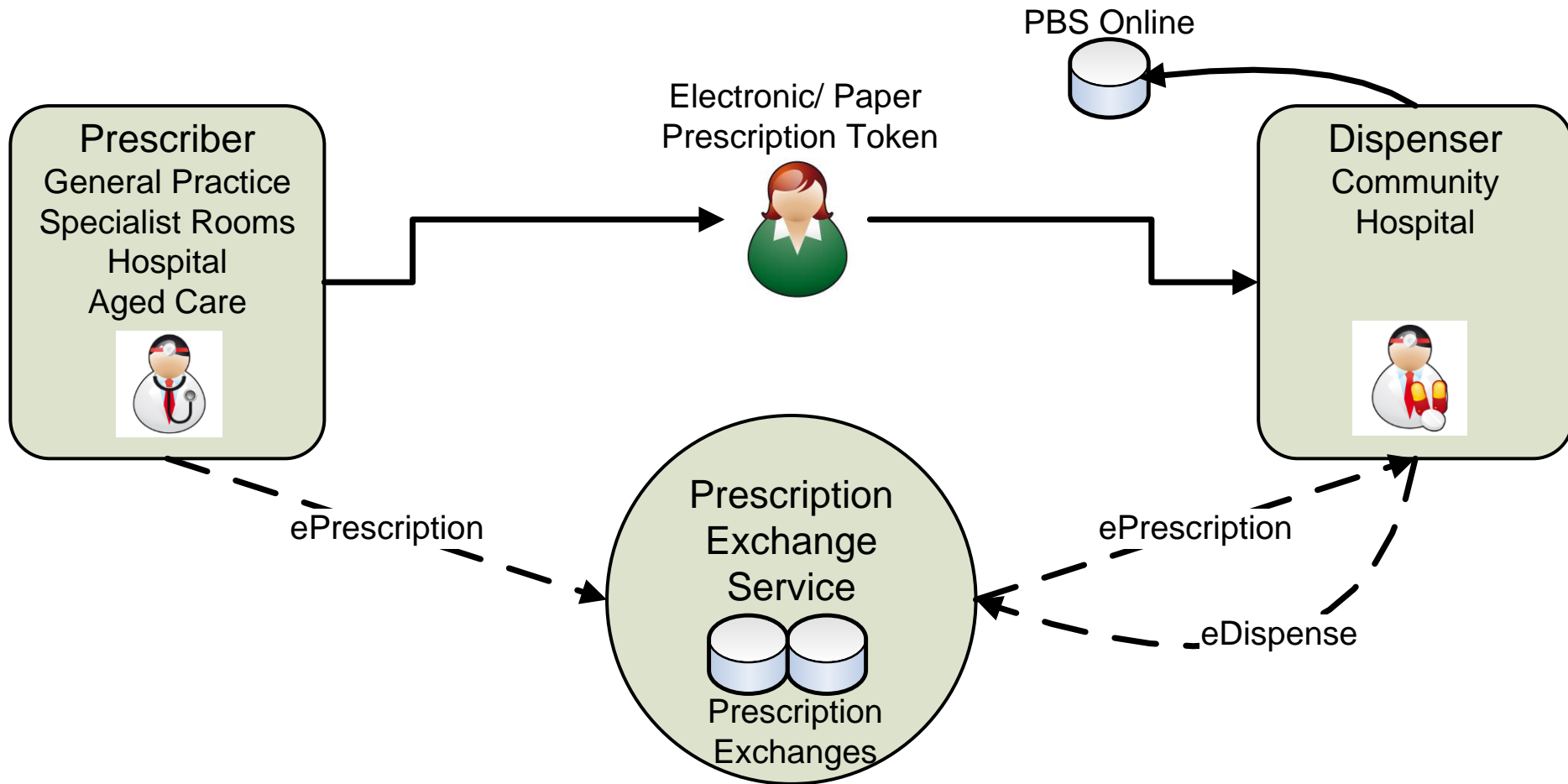
- Prescribers and dispensers in all settings where a prescription is generated e.g.
 - General practice
 - Hospitals
 - Specialist rooms
- Owing scripts/prescription request
- Electronic signature

Electronic Transfer of Prescriptions - Current State



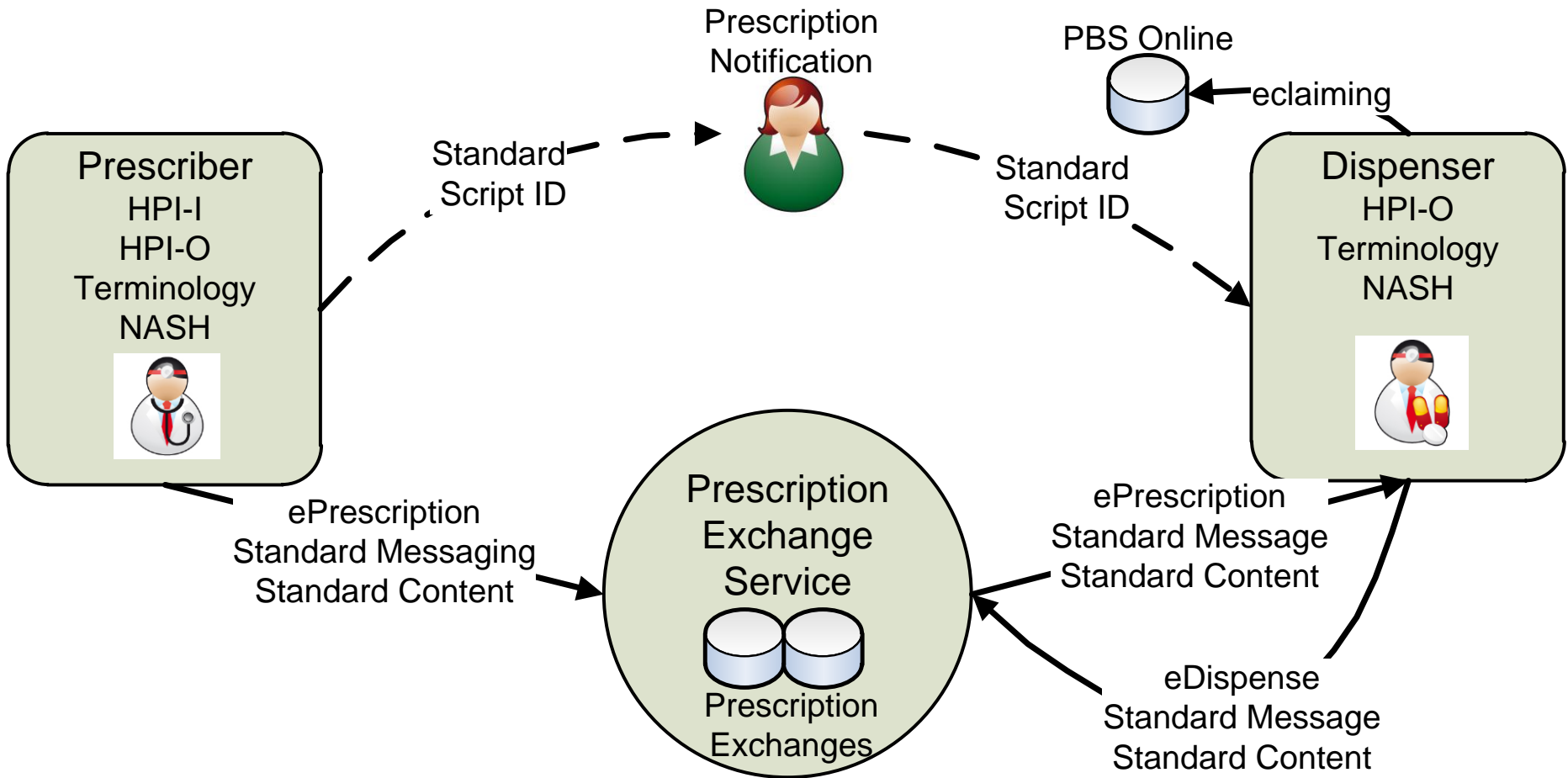
ETP – Stage 1

NEHTA/Standards Compliance



ETP – Stage 2

Legal Electronic Prescriptions



ETP implementation overview

	No ETP	ETP Adoption Level 1	ETP Adoption Level 2	ETP Adoption Level 3
Patient or agent carries:	Legal paper prescription	Legal paper prescription	Paper notification of prescription	Paper notification of prescription Electronic notification of prescription
Hospitals and RCFs carry:	Legal paper prescription	Legal paper prescription	Electronic notification of prescription	Electronic notification of prescription
PES carries:		Electronic copy of prescription information	Digitally-signed electronic prescription	Digitally-signed electronic prescription

Legend

Legal document:



Supporting information:



Legal Electronic Prescriptions Issues to be resolved



- Approval of electronic signature
 - Electronic Transactions Act
 - PBS requirements
 - State and Territory regulations
- Clinical Peak body and Gov't consultation
- Risk assessment – NeAF
- Seek approval by December 2011
 - C'wealth, State and Territory gov'ts
 - Clinical Peak Bodies

Legal Electronic Prescriptions Issues to be resolved (cont'd)



- ETP Governance
 - Continuity of medication supply
 - Prescription exchange failure
- Paper Prescription notification
 - What do you give the consumer?
- PBS claiming from eprescriptions
 - No paper prescription
 - New solution required
- Non-ETP enabled pharmacies
 - Policy position drafted for consultation

Next steps



- Finalise ETP Implementation Program with DOHA and Medicare Australia
 - Policy for electronic prescriptions – DOHA
 - ETP Governance - DOHA
 - Systems to manage electronic prescriptions – Medicare Australia
- Clinical Adoption
- Consumer Awareness and education

Future activities



- Electronic medication profile/current medication list
- Medication information in the PCEHR
- 5th Community Pharmacy Agreement initiatives
- Supporting the Australian Commission and Quality and Safety in Healthcare on:
 - Notification of controlled substances
 - Interim Medication Charts for residential aged care

Keeping up ...



PCEHR

www.yourhealth.gov.au

The latest in eHealth

www.ehealthinfo.gov.au

NEHTA specific information

www.nehta.gov.au

Thank You

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contact:

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Questions

