

Medication Safety and the My Health Record

Webinar Handout – September 2019



An Australian Government Initiative

This webinar covered the following points:

Medicines Safety Building Blocks overview:

- National Strategy for Medication Safety
- Electronic Transfer of Prescriptions (ETP)
- National Repositories Service (NRS)
- Healthcare Identifier Service (HI Service)
- Conformant Clinical Systems

Current Medication Safety in the My Health Record:

- Medicines View
- Prescribing and Dispensing records
- PBS History
- Pharmacist Shared Medicines List (PSML)

Medicines Safety Building Blocks Overview

National Strategy for Medicines Safety

<https://conversation.digitalhealth.gov.au/4-medicines-safety>

What will be delivered by 2022:

- By the end of 2018, all consumers and their healthcare providers will have access to comprehensive views of their prescribed and dispensed medications through the My Health Record system, irrespective of who prescribed and dispensed the medicine.
- By 2022, there will be digitally enabled paper-free options for all medication management in Australia. People will be able to digitally request their medications online, and all prescribers and pharmacists will have access to electronic prescribing and dispensing, increasing convenience for people filling prescriptions and improving overall safety.

Other Programs / Agencies linked to the Medicines Safety Program:

- Australian Commission on Safety and Quality in Health Care - Medication Safety Standard - <https://www.safetyandquality.gov.au/standards/nsqhs-standards/medication-safety-standard>
- National Medicines Policy - <https://www1.health.gov.au/internet/main/publishing.nsf/Content/National+Medicines+Policy-1>

What's included in the National Strategy 2018-2022:

4.1 Establish and implement a nationally coordinated digital medicines program

4.1.1	Digital Medicines Program Blueprint	Co-design and publish a Digital Medicines Program Blueprint
4.1.2	Electronic prescriptions	Give all prescribers and pharmacists access to electronic prescribing and dispensing
4.1.3	Best Possible Medicines List - 2	Deliver a best possible medicines list via the My Health Record system
4.1.4	National Medicines Data Service	Establish a National Medicines Data Service building on existing programs
4.1.5	Medicines information for consumers	Provide consumers targeted medicines information via the My Health Record system
4.1.6	Medicines Decision Support Tools	Enable the development and expanded use of medicines decision support tools
4.1.7	Enhance incident reporting capabilities	Enhance incident and adverse event reporting capabilities through digital solutions
4.1.8	Align National Allergy Strategy	Digital Health Strategy priorities to the National Allergy Strategy
4.1.9	Real-time prescription monitoring	Implement national capability for real-time prescription monitoring

Electronic Transfer of Prescriptions (ETP) – eMedicines starting point

Foundation step of the MHR introduced 2012

- <https://developer.digitalhealth.gov.au/products/electronic-transfer-prescription>

Electronic prescribing is the ability to electronically facilitate the prescribing and dispensing of medications.

- Australia has implemented ETP Level 1 from ATS4888.2-2013 which allows transfer of electronic prescriptions (from paper prescriptions) in a nationally consistent manner [RY1].

Context in digital health

- Electronic prescribing currently involves creation of an electronic prescription (alongside a legal paper prescription) which is transmitted to a Prescription Exchange Service (PES). The pharmacy can then dispense the medications by electronically retrieving the prescription details from the PES.

How ETP works - a quick refresher

Right now:

- Script created with a Barcode
- Copy sent to the NRS
- NRS sends to My Health Record
- Barcode scanned at Pharmacy
- Patient details created in Pharmacy systems
- Medication details populated
- Prescription dispensed
- Copy to the NRS

Within your Practice:

- Are you printing scripts with a bar code?
- Are your permissions set to share scripts with the My Health Record?

National Repositories Service (NRS)

Needed for:

- Pharmaceutical Benefits Scheme
- e-prescribing programs
- Real time prescription monitoring services

Healthcare Identifier Service (HI Service)

Needed for:

- Identification of Provider, Location and Individual
- e-prescribing
- Real time prescription monitoring

Conformant Clinical Systems

- Medication coding should be conformant and consistent across all systems
- Access to Prescribing guidelines
- Ability to send and receive information using encrypted electronic systems

Current Medicine Safety in the My Health Record

Medicines View

<https://www.myhealthrecord.gov.au/for-healthcare-professionals/howtos/medicines-information-view>

- Accessible from all systems
- Shows medicines, allergies and most recent documents

The Medicines View information is gathered from:

- The patient's most recent (and up to two years) prescription and dispense records and other PBS claims information
- The patient's most recent shared health summary and discharge summary
- Recent event summaries, specialist letters and e-Referral notes uploaded to the patient's record since their latest shared health summary, and
- The patient's personal health summary that may include any allergies or adverse reactions and other key information

The Medicines View is available from:

- The Documents tab in the Provider Portal – <https://proda.humanservices.gov.au/>
- The Documents List in Clinical Information systems

Prescribing and Dispensing records

- Patient records are not activated by a script
- For prescribing, go to the Patient record - activate the record
- Patients can view and edit

The Prescribing and Dispensing Records are gathered from the Prescribing notification enabled in General Practice and the Dispensing record when created in Pharmacy. It displays the transactions as completed from the ETP. It will only show those records as from when the Patients My health record has been activated. A prescription and or dispensing activity will not activate the My Health Record.

The Prescribing and Dispensing records are available from:

- Medicine records in the Provider Portal - set by default for the previous 2 years
- The Prescribing and Dispensing tab, when connecting to the My Health Record View - MD3, Fred
- Including Prescription and Dispense Records, re - filter - BP, Genie
- Medications Summary - Zedmed

PBS History

- Accessible under the Medicare tab on your CMS
- Only shows PBS medications

The PBS History is uploading from Medicare Services and includes all PBS approved Medication. When a My Health Record is activated, the previous 2 years of PBS and MBS history will populate into the record. It will auto filter to show the previous 2 years, for records older than 2 years a filter can be used to reference an earlier time frame.

The PBS History is available from:

- Medicare overview tab in the Provider Portal – <https://proda.humanservices.gov.au/>
- Medicare filters in BP, Genie
- Medicare overview selection from document list in FRED
- Medicare Overview selection in MD3 and Zedmed

Pharmacist Shared Medicines List (PSML)

The information in the PSML is collated by the Pharmacist and contains:

- Prescribed medication
- Non-prescription medication
- Complementary vitamins and supplements
- How and when to take medication

Information used to collate the PSML:

- Hospital discharge medicines list
- Medicines history provided by the consumer
- Dose administration aid medicines list
- Pharmacist professional service (e.g. a Home Medicines Review (HMR))

What could PSML look like as it's progressively rolled out?

Pharmacist Shared Medicines List



FRANK HARDING DoB 24 Mar 1981 (37 yrs) 11 Dec 2018 Sex MALE IHI 8003 6085 0006 2732

Tes Health Service
 Pharmacist: Joanne Mosen (Pharmacist)
 Phone: 9804 6688

Allergies header in red and outlined Standard MFR banner

Allergies and Adverse Reactions			
Substance/Agent	Reaction Type	Reaction	Reaction Onset Date
Amoxicillin	Allergic reaction	Anaphylaxis	October 2016

Current Medicines

Medicine	Brand Name	Direction	Medicine Purpose	Medicine Status	Expected End Date	Special Instructions	Medicine Image	Physical Description
	Ferro-Grao C	One tablet daily	Iron supplement	Unchanged				
	Amoxicillin 875 mg + clavulanic acid 125 mg tablet	One tablet twice a day until all finished	Infection	New	30/01/2015			
	Metformin 500 mg tablet	One tablet twice a day	Reduce blood sugar	Dose changed				White and round with 227 imprint.
	Multi-vitamins	One tablet daily						
	Paracetamol 665 mg caplet	Two caplets every 5 to 8 hours when required	Osteoarthritis, pain relief			No more than 5 caplets in 24 hours		
	Warfarin sodium 5 mg tablet	Once a day at night	Blood thinning	Withheld				Beach, round, Imprint.


Ceased medicines

Ceased medicine	Reason for ceasing medicine	Ceased Date
Paracetamol 500 mg tablet	Duplicated medicine	Dec 2018
Ibuprofen	Allergic reaction	

Table suppressed if empty Optional for software to populate

Healthcare setting: Community pharmacy
 Packed medicines: No
 Additional comments: Please review this list with your pharmacist on or soon after 02/Apr/2019.

Stage 2 PSML example (structured, non-PDF)


 Australian Government
 Australian Digital Health Agency

For further information on the Pharmacy Shared Medicines List

- PSML for Healthcare Providers - <https://www.myhealthrecord.gov.au/for-healthcare-professionals/howtos/pharmacist-shared-medicines-list>
- PSML for Consumers: - <https://www.myhealthrecord.gov.au/for-you-your-family/howtos/pharmacist-shared-medicines-list>
- Help guide - <https://www.myhealthrecord.gov.au/help/pharmacist-meds-list>

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