

PCEHR Release 3

May 2013



The PCEHR System has expanded, introducing enhancements and additions to existing functionality

- There is an ongoing effort to enhance and expand functionality of the system, providing additional benefits for both healthcare Providers and Consumers
- Release 3 went live **Monday 13 May and includes:**
 - Early child health, growth and development views
 - National Prescription and Dispense View / Medications Management
 - Other components

All additions are fully integrated enhancements to the eHealth system

An online view of early child health, growth and development



What is the 'Child Development' function?

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Additional PCEHR functionality monitoring development of newborns and children

- A new component of a person's existing eHealth record which comes in addition to information that can already be stored for a child (health summary, event summary etc.)
- States and Territories currently use a paper based book to enable parents and carers to capture **development information** about their child
- The new function will enable parents and carers, their doctors and other healthcare Providers to share information about a child's development
- Initially **only parents and carers will be able to contribute to their child's record**. Opportunities for Providers to contribute will continue to be explored
- The new function is modelled on the NSW eBlue Book (eBB)

What was learnt from eBB implementation?

- Stakeholders (Consumers and Providers) described the eBB and its use of technology as **“the way forward”**
- Midwives and Nurse Managers were very supportive of the eBB and felt that with a **few minor changes to the process of pre-registering and registering** mothers, it would be streamlined and efficient
- Parents really liked the idea of using the **eBB on their phone** and having access to functionality from any location
- **Biggest challenge:** the logistics of **matching mothers** using the eBB with Providers who were also taking part was difficult to coordinate and a challenge to achieving success
- **Integrating** eBB functionality into local systems is critical to clinician adoption and use

What is the functionality of 'Child Development'?

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For Consumers:

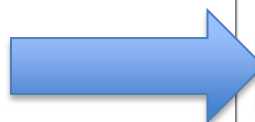
- View and update a child's development milestone diary (e.g. date of their first word)
- Record personal observations (weight, length/ height, head circumference)
- View immunisation data from ACIR
- View growth charts displaying growth observation
- View useful websites and topics of interest
- Complete parent questionnaires prior to appointments (NSW only)
- Use functionality through the Mobile App (including alerts and reminders) (available imminently)

For Providers:

- View a parent/ carer's personal observations (weight, length/ height, head circumference)
- View growth charts displaying consumer observations
- View immunisation data from ACIR
- View questionnaires completed by the parent/ carer (NSW only)
- Over time, the eHealth record system will continue to improve its functionality and usability

Location of Child Development

All new functionality will appear in the 'Child Development' section



LEVY, leoni DOB 26-Feb-2001 (12 yrs 2 mths) SEX

Showing All

Health Record Overview

- Clinical Documents
- Medication Records
- Consumer Documents
- Child Development**
 - NSW Child Parent Questionnaire
 - Health Observations
 - Immunisations
 - Child Health Check Schedule
 - Child Growth Charts**
 - Information for Parents
- Medicare Records
- More

Child Growth

The Child Growth Chart data recorded for the

These graphs provide

To generate the graph entered the measurer

You may view relevant

You may access the

Chart Type:

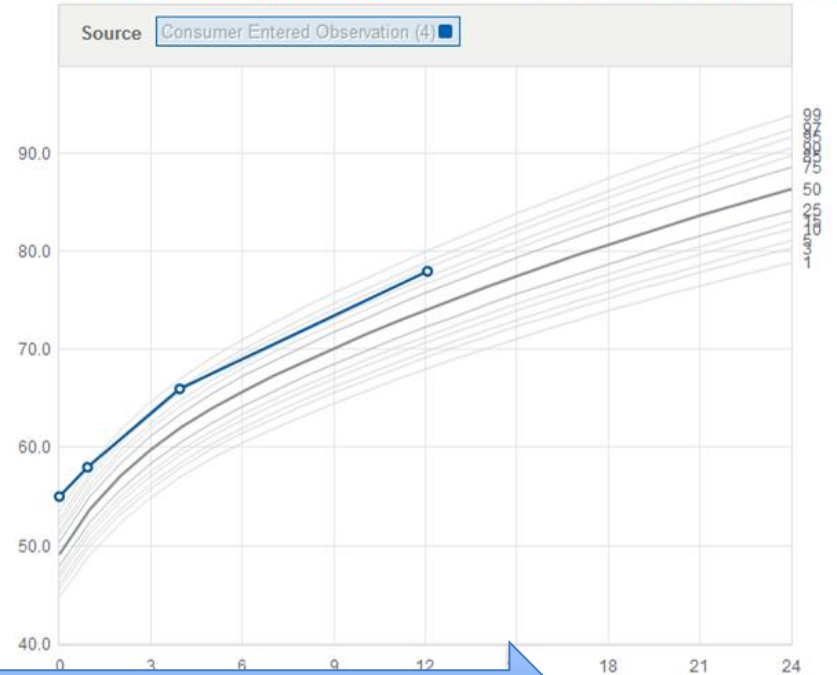
- Head Ci
- Head Ci
- Weight-
- Weight-
- Weight-

Growth Charts (Length)

Chart Type: Length-for-Age Percentiles - GIRLS, birth to 24 months (WHO)

Length-for-Age Percentiles - GIRLS, birth to 24 months

Source: Consumer Entered Observation (4)



Data is clearly entered by the consumer

Observation Date	Age (months)	Value (cm)	Recorded By
26-Feb-2001	0	55.0	Consumer
26-Mar-2001	1	58.0	Consumer

Personal Observations

Health Record Overview

Clinical Documents

Medication Records

Prescription and Dispense View

Consumer Documents

Personal Health Summary

Advance Care Directive Custodian

Consumer Details

Consumer Representatives

Child Development

► NSW Health Check Assessment

Health Observations

Immunisations

Child Health Check Schedule

Child Growth Charts

Information for Parents

Medicare Records

Personal Observations

Head Circumference/Height/Weight

Personal Observations displays head circumference, height and weight measurements recorded by the individual.

Note: This may not be a complete view of all information existing for the record holder.

Observation	Head Circumference (cm)	Height (cm)
15-Jan-1970		103.0
16-Jan-1969	48.0	90.0
25-May-1967	44.0	66.0
17-Mar-1967	42.5	61.0
16-Jan-1967	39.0	54.5

View parent questionnaire

View questionnaires completed by a parent / carer



Print | Show History

Child Parent Questionnaire – 1 to 4 Weeks

Last updated by JULIE SMITH on 05-Sep-2012

The below provides information about a child's growth and development.

Questions about hearing



	Yes	No
Has anyone in your family had a history of early deafness (under 3 years)	<input type="radio"/>	<input checked="" type="radio"/>
Does your baby react to loud sounds?	<input checked="" type="radio"/>	<input type="radio"/>
Is your baby startled by loud noises such as a clap?	<input checked="" type="radio"/>	<input type="radio"/>
Does your baby quieten to familiar voices or sounds?	<input checked="" type="radio"/>	<input type="radio"/>
Does your baby respond to speech by looking at the speaker's face?	<input type="radio"/>	<input checked="" type="radio"/>

Questions about vision

Have any of your baby's close relatives had a turned eye or a lazy eye (squint or strabismus)?	<input checked="" type="radio"/>	<input type="radio"/>
Are any of your baby's close relatives blind in one or both eyes?	<input checked="" type="radio"/>	<input type="radio"/>
Was your baby lighter than 1500 grams at birth?	<input type="radio"/>	<input checked="" type="radio"/>

Parent Comments

Consumers log personal achievements

Showing All  

- Health Record Overview
- Clinical Documents
- Medication Records
- Personal
- Child Development
 - NSW Health Check Assessment
 - Achievement Diary**
 - Personal Observations
 - Immunisations
 - Child Health Check Schedule
 - Child Growth Charts
 - Information for Parents
- Medicare Records
- Restricted Settings

Achievement Diary

Personal Achievement

You can record your personal achievement in this area.

Click "Add New" to enter date, achievement, and description information. Click the "Save" button to sub


Note: Your healthcare providers will not be able to see your achievement diary.

*Fields marked with a * must be completed*

* Achievement Date

* Achievement

Description

Add New 

Save

Cancel

Consumer Mobile App

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View charts



Answer Questionnaires

View all child accounts



Child Overview Data



What are the benefits for Providers?

- Increased visibility of a child's development information
- Shared visibility with other Providers
- Increasing the use and therefore, benefits of eHealth



What is next for 'Child Development'?

- The Consumer Mobile App can be downloaded at <http://www.ehealth.gov.au/internet/ehealth/publishing.nsf/content/mobile>
- Ongoing enhancements will be made to ensure the functionality remains fit for purpose
- Desktop software will be updated to support the Child Development functionality
- NSW eBB users can choose to be migrated to the national system
- Opportunities for Providers to contribute will continue to be explored
- Discussions with jurisdictions about launching the functionality interstate and ensuring the solution meets their needs



National Prescription and Dispense View



What is the National Prescription and Dispense View?

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Additional PCEHR functionality to collect medication and dispense information

- The National Prescription and Dispense View (NPDV) is a way for Consumers and healthcare Providers to view prescribed and dispensed medicines in one location
- It allows a consumer's medication history to be displayed, with details of the medications including dosages that have been prescribed and dispensed
- It will enable Consumers and healthcare Providers involved in the consumer's care to view their medication history
- The NPDV is an enhancement of the PCEHR and came into effect on May 13th. Population of data in to NPDV will happen over time.

What does the NPDV look like?

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A new prescription and dispense view will be created

Showing All

Health Record Overview

Clinical Documents

Shared Health Summary

Summarisation of Episode Note

Medicines Records

Prescription and Dispense View

Dispense Records

10-Jul-2012 Dispense Record

07-Jul-2012 Dispense Record

29-Jun-2012 Dispense Record

25-Jun-2012 Dispense Record

23-Jun-2012 Dispense Record

21-Jun-2012 Dispense Record

18-Jun-2012 Dispense Record

18-Jun-2012 Dispense Record

05-May-2012 Dispense Record

Prescription Records

20-Jul-2012 Prescription Record

22-Jun-2012 Prescription Record

18-Jun-2012 Prescription Record

17-Jun-2012 Prescription Record

05-May-2012 Prescription Record

05-May-2012 Prescription Record

28-Apr-2012 Prescription Record

Medicare Records

Medicare Services Overview

More

Provider Authorisation

Document Search

Prescription and Dispense View

The information below represents prescription and dispense information that has been made available to display on PCEHR.

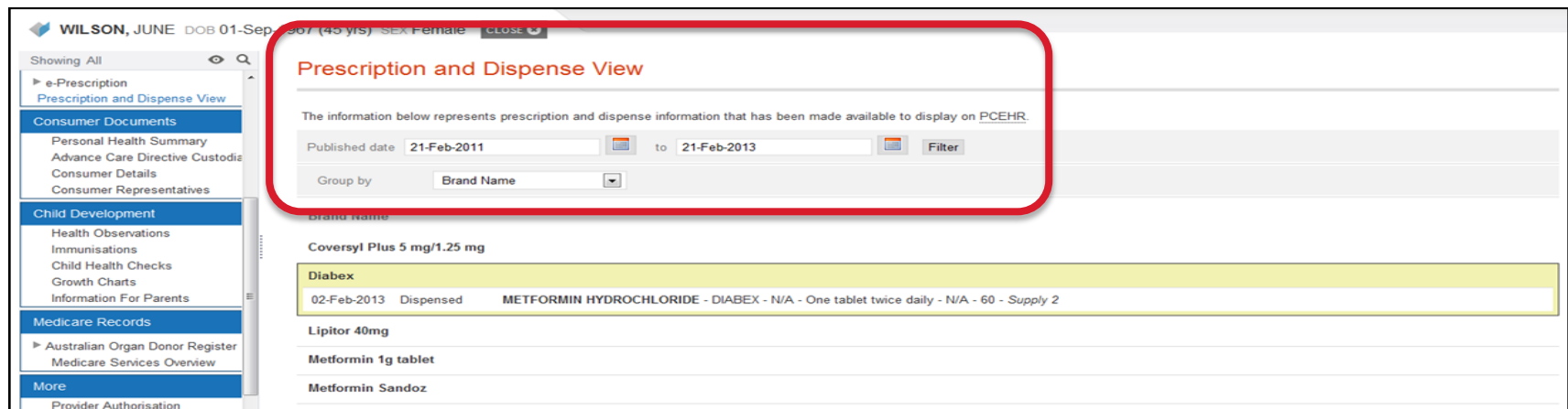
Published date: [] to [] Filter Group by: []

Prescribed	Medicine Details	First Dispense	Last Dispense	Supply
20-Jul-2012	tramadol hydrochloride	07-Jul-2012	10-Jul-2012	N/A
25-Jul-2012	Dispensed tramadol hydrochloride – TRAMAL – 50mg – take one capsule daily – Capsule – Supply 14			2 of 2
21-Jul-2012	Dispensed tramadol hydrochloride – ZYDOL – 50mg – take one capsule daily – Capsule – Supply 14			1 of 2
20-Jul-2012	Prescribed tramadol hydrochloride – TRAMAL – 50mg – take one capsule daily – Capsule – Supply 14			
N/A	salbutamol sulphate	07-Jul-2012	10-Jul-2012	N/A
10-Jul-2012	Dispensed salbutamol sulphate – VENTOLIN – 100mcg/dose – 2 puffs every 4 hours prn for exacerbations of asthma – Inhaler – Supply 2			
07-Jul-2012	Dispensed salbutamol sulphate – VENTOLIN – 100mcg/dose – 2 puffs every 4 hours prn for exacerbations of asthma – Inhaler – Supply 2			
22-Jun-2012	doxycycline	23-Jun-2012	29-Jun-2012	2 of 2
18-Jun-2012	amphetamine + dextroamphetamine	18-Jun-2012	21-Jun-2012	2 of 2
17-Jun-2012	metolazone	18-Jun-2012	25-Jun-2012	2 of 2
05-May-2012	morphine hydrochloride	05-May-2012	05-May-2012	1 of 2
05-May-2012	Dispensed morphine hydrochloride – ORADINE – 2mg/mL – take 10mLs as directed – Oral solution – Supply 500mLs			
05-May-2012	Prescribed morphine hydrochloride – ORADINE – 2mg/mL – take 10mLs as directed – Oral solution – Supply 500mLs			
28-Apr-2012	amantadine	N/A	N/A	1 of 1
28-Apr-2012	Prescribed amantadine – SYMMETREL – 50mg/5ml Syrup – 1 teaspoon three times daily – Supply 250ml bottle			

Provider Portal
View

Prescription and Dispense View

The Prescription and Dispense View can be filtered by date and grouped by generic name, prescription, brand name and PBS item code



WILSON, JUNE DOB 01-Sep-1967 (45 yrs) SEX Female CLOSE

Showing All

- e-Prescription
- Prescription and Dispense View
- Consumer Documents
 - Personal Health Summary
 - Advance Care Directive Custodial
 - Consumer Details
 - Consumer Representatives
- Child Development
 - Health Observations
 - Immunisations
 - Child Health Checks
 - Growth Charts
 - Information For Parents
- Medicare Records
 - Australian Organ Donor Register
 - Medicare Services Overview
- More
 - Provider Authorisation

Prescription and Dispense View

The information below represents prescription and dispense information that has been made available to display on PCEHR.

Published date: 21-Feb-2011 to 21-Feb-2013 Filter

Group by: Brand Name

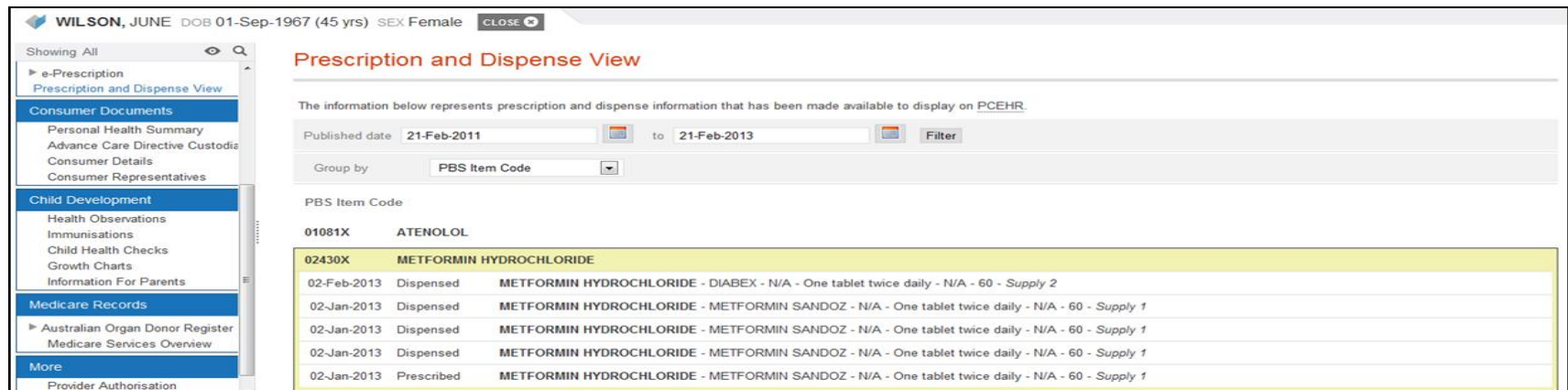
Coversyl Plus 5 mg/1.25 mg

Date	Status	Generic Name	Brand Name	Dosage	Quantity
02-Feb-2013	Dispensed	METFORMIN HYDROCHLORIDE - DIABEX	N/A	One tablet twice daily - N/A - 60	Supply 2

Lipitor 40mg

Metformin 1g tablet

Metformin Sandoz



WILSON, JUNE DOB 01-Sep-1967 (45 yrs) SEX Female CLOSE

Showing All

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Prescription and Dispense View

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Published date: 21-Feb-2011 to 21-Feb-2013 Filter

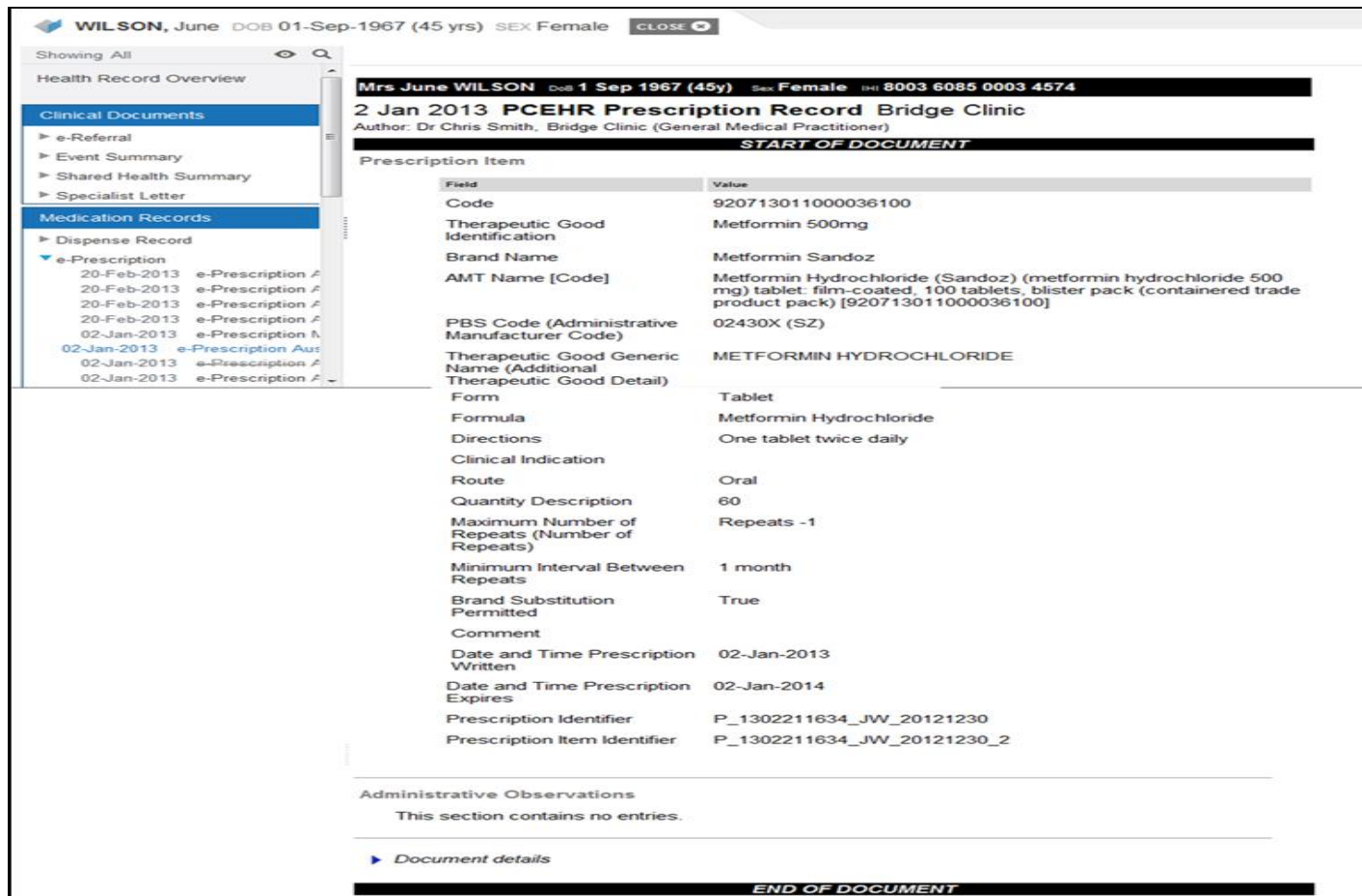
Group by: PBS Item Code

PBS Item Code

PBS Item Code	Date	Status	Generic Name	Brand Name	Dosage	Quantity
01081X			ATENOLOL			
02430X			METFORMIN HYDROCHLORIDE			
	02-Feb-2013	Dispensed	METFORMIN HYDROCHLORIDE - DIABEX	N/A	One tablet twice daily - N/A - 60	Supply 2
	02-Jan-2013	Dispensed	METFORMIN HYDROCHLORIDE - METFORMIN SANDOZ	N/A	One tablet twice daily - N/A - 60	Supply 1
	02-Jan-2013	Dispensed	METFORMIN HYDROCHLORIDE - METFORMIN SANDOZ	N/A	One tablet twice daily - N/A - 60	Supply 1
	02-Jan-2013	Dispensed	METFORMIN HYDROCHLORIDE - METFORMIN SANDOZ	N/A	One tablet twice daily - N/A - 60	Supply 1
	02-Jan-2013	Prescribed	METFORMIN HYDROCHLORIDE - METFORMIN SANDOZ	N/A	One tablet twice daily - N/A - 60	Supply 1

Prescription record view

You can view prescription information



WILSON, June DOB 01-Sep-1967 (45 yrs) SEX Female CLOSE

Showing All

Health Record Overview

- Clinical Documents
 - e-Referral
 - Event Summary
 - Shared Health Summary
 - Specialist Letter
- Medication Records
 - Dispense Record
 - e-Prescription
 - 20-Feb-2013 e-Prescription A
 - 20-Feb-2013 e-Prescription A
 - 20-Feb-2013 e-Prescription A
 - 20-Feb-2013 e-Prescription A
 - 02-Jan-2013 e-Prescription A
 - 02-Jan-2013 e-Prescription Aus
 - 02-Jan-2013 e-Prescription A
 - 02-Jan-2013 e-Prescription A

Mrs June WILSON DOB 1 Sep 1967 (45y) Sex Female IHI 8003 6085 0003 4574

2 Jan 2013 PCEHR Prescription Record Bridge Clinic
Author: Dr Chris Smith, Bridge Clinic (General Medical Practitioner)

START OF DOCUMENT

Prescription Item

Field	Value
Code	920713011000036100
Therapeutic Good Identification	Metformin 500mg
Brand Name	Metformin Sandoz
AMT Name [Code]	Metformin Hydrochloride (Sandoz) (metformin hydrochloride 500 mg) tablet, film-coated, 100 tablets, blister pack (containered trade product pack) [920713011000036100]
PBS Code (Administrative Manufacturer Code)	02430X (SZ)
Therapeutic Good Generic Name (Additional Therapeutic Good Detail)	METFORMIN HYDROCHLORIDE
Form	Tablet
Formula	Metformin Hydrochloride
Directions	One tablet twice daily
Clinical Indication	
Route	Oral
Quantity Description	60
Maximum Number of Repeats (Number of Repeats)	Repeats -1
Minimum Interval Between Repeats	1 month
Brand Substitution Permitted	True
Comment	
Date and Time Prescription Written	02-Jan-2013
Date and Time Prescription Expires	02-Jan-2014
Prescription Identifier	P_1302211634_JW_20121230
Prescription Item Identifier	P_1302211634_JW_20121230_2

Administrative Observations

This section contains no entries.

Document details

END OF DOCUMENT

How do ePrescriptions work?

All medication information is securely encrypted

There are two Prescription Exchange Service (PES) systems – eRx and MediSecure. Prescriptions which are prescribed electronically are encrypted and sent to a secure gateway, and can be retrieved at any pharmacy that the consumer chooses.

A participating doctor generates a paper prescription using their existing software, which now includes a unique script exchange barcode. The e-prescription is encrypted and sent securely to the PES using existing PKI certificates (Medicare Claims and Payments Certificates).



How does Prescription and Dispense information get into the NPDR?

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Consumer registers for an eHealth record – by default the consumer consents to having their prescribe and dispense information included in their eHealth record

Consumer does NOT withdraw consent for the prescription or dispense information to be uploaded to their eHealth record

Healthcare professional uploads the prescription or dispense information to a Prescription Exchange Service (PES)

The PES forwards the prescription or dispense information to the NPDR where it is stored against a unique patient identifier – Individual Health Identifier (IHI)

The prescription and dispense information can be accessed by the healthcare professional at the time of care using the eHealth record system provider portal or eHealth record system compatible software

How will consent be managed?

The consent model is the same for the NPDV as the eHealth record

- General standing consent applies
- The existing privacy settings apply



Dispense notifications vs Availability of Dispense information in the PCEHR

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Dispense Records in the NPDV

The NPDV is not a dispense notification tool

The Prescription and Dispense View is **not** a complete list of prescribed and dispensed medications as:

- The consumer can remove items from their eHealth record, and can set-up restricted access to their record;
- The consumer may have withdrawn consent for a prescription and dispense record being uploaded; or
- The prescriber and/or the dispensing pharmacy may not be participating in the eHealth record system

Dispense notifications

A dispense notification is a message generated and sent back to the prescriber of a medication notifying them when their prescription has been dispensed



How will the NPDV benefit Consumers?

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- Older Australians who take several forms of prescription medication (including those in residential aged care facilities)
- People with chronic conditions who have multiple contact with the healthcare system, and take multiple prescription medications
- People who are cared for by others
- Aboriginal and Torres Strait Islanders who do not keep thorough records of their medications
- At-risk people who take several forms of prescription medication
- People who struggle to communicate their prescription medication regime and can benefit from having an easier way to share their information
- Anyone that is being treated while unconscious and the treating physician requires their medical history
- Anyone who travels frequently, and forgets their prescription medication

How will this benefit Providers?

- Improved communication between Pharmacist, GPs and hospitals
- Access to more accurate clinical information
- Improvement in the quality use of medicines
- Reduced adverse drug events



What else was in Release 3?

▪ **Mobile Gateway**

The Mobile Gateway will allow mobile applications to securely interact with the PCEHR, providing the capability for mobile applications to innovate and provide additional services for individuals who have a PCEHR. The Child Development mobile application is the only app. planned for this year.

▪ **Suspend Record**

Release 3 provides the ability for the System Operator to suspend and restore an eHealth record. This functionality is only available to the System Operator and will not be available to any other users.

▪ **Notification of Linked Account**

A notification that will reduce the risk of a person gaining unauthorised access to another individual's eHealth record. An individual will have the option to select their preferred notification method (email or SMS) when a new Australia.gov.au account has been linked to their PCEHR.

What else was in Release 3?

▪ **CSP Enablement**

Release 3 introduces functionality to allow registered Contracted Service Providers to perform actions within the PCEHR system on behalf of a participating healthcare Organisation. Healthcare organisations that are unable to access a Clinical Information System (CIS) or have limited resources and infrastructure will have the option to use a CSP to participate in the PCEHR.

▪ **Get View**

The existing B2B view service has been extended to allow registered Clinical Information Systems and healthcare Providers to extract additional Views.

- National Prescription and Dispense View
- Medicare Overview
- Observation View
- Health Check Assessment Schedule View

For more information:

www.nehta.gov.au

www.ehealth.gov.au