

Heather McDonald CoNNO meeting - Sydney

2st October 2015

1. Current state of eHealth
2. Foundations of eHealth
3. The eHealth Record System (PCEHR)
4. What is in it for Nurses Record System?
5. Benefits for patients and clinicians
6. Further learning

PCEHR uptake September 2015

2,409,214 Australians registered

5,200 GP Practices

1,100 Pharmacies

140 Aged Care Facilities

186 Hospitals

236 Specialists

2,760,000 Clinical documents uploaded

204,216 Discharge Summaries

56,173 Shared Health Summaries

1,693,629 Prescriptions

✉ help@nehta.gov.au

☎ **1300 901 001**

eHealth is the collection, management, use, storage and sharing of healthcare information using information and communication technology.

Information Sharing

While our healthcare system is among the best in the world, some of our ways of collecting and sharing healthcare information — such as medical history, test results, scans, or hospital discharge reports can be improved. Many clinical communications, are still completed on paper.

Standards

The healthcare software industry in Australia currently uses a number of different standards and formats for recording medical information that results in computer systems not being able to communicate with each other.

Patient Centric

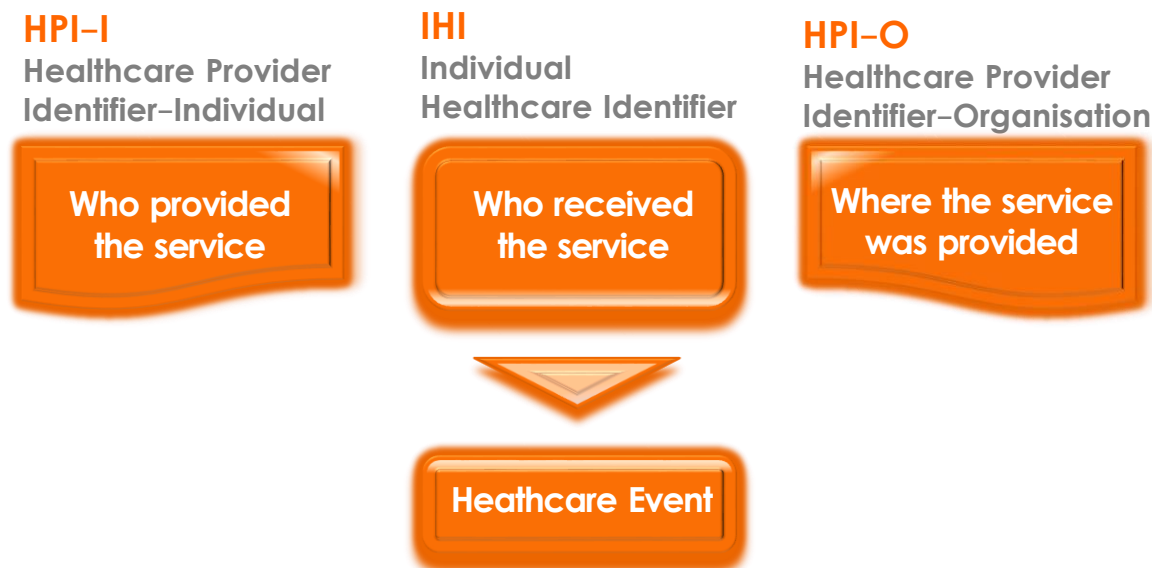
The introduction of eHealth is helping to put the individual at the centre of their healthcare. In addition it reduces opportunities for errors and supports healthcare providers to share relevant patient information and make informed patient decisions.

The **eHealth Foundations** combine the basic technologies of unique identification to provide a safe and secure method of exchanging healthcare information – identification, authentication and encryption

Healthcare Identifiers (HI) Service

Operated by the Department of Human Services (Human Services) which allocates a unique 16-digit number (a Healthcare Identifier) to individuals using healthcare services, their practitioners and healthcare organisations.

The right health information associated with the right individual at the point of care



For more information on the HI Service visit: www.humanservices.gov.au/hiservice

The eHealth record is a secure electronic summary of a patient's health records.

The eHealth record provides an active online record from different sources that over time will follow patients as they move through Australia's health system.



Currently still called **PCEHR** in clinical software however to be known as **My Health Record**.

Information in an eHealth record comes from three main sources



Patient	Health Professional	Medicare
<ul style="list-style-type: none">▪ Personal medications and allergies summary (can be viewed by healthcare professionals)▪ Personal health notes (can not be view by providers)▪ Child development information▪ Advance care directive custodian contact details	<ul style="list-style-type: none">▪ Shared Health Summary▪ Event Summary▪ eDischarge Summary▪ eReferrals and Specialist letters▪ Prescription and dispense records▪ eDiagnostic Imaging and Pathology reports	<ul style="list-style-type: none">▪ Medicare claims data▪ Pharmaceutical Benefits Scheme▪ Australian Childhood Immunisation Register▪ Australian Organ Donor Register▪ DVA claiming events

How is the eHealth record system accessed?



Consumers

Consumer Portal

Individuals can access their health record via the consumer portal. Consumers are able to contribute to their health record by inputting personal health notes, medications and allergies.

Mobile Application

The 'my child's eHealth record' app is for consumers with children under the age of 14 years. It allows parents and authorised representatives to access the child's eHealth record and view information about the child's development.

Providers

Provider Portal

The Provider Portal is view only. Healthcare providers can view and download a patient's health information but cannot contribute to it.

Conformant Clinical Software

Healthcare providers with access to eHealth record system conformant software are able to contribute to the patient's eHealth record by uploading clinical documents via their software.

What may be on a patient's eHealth Record?



Shared Health Summary

Prepared by a **Nominated Healthcare Provider** (an **RN, Doctor or Aboriginal Healthcare Worker** providing ongoing care) in consultation with the individual, it is a summary of the individual's health at a point in time. It could include medical history, allergies and adverse reactions, medications the individual may be taking and any immunisations they have had. The **Nominated Healthcare Provider (NHP)** is the only person that can upload a Shared Health Summary.

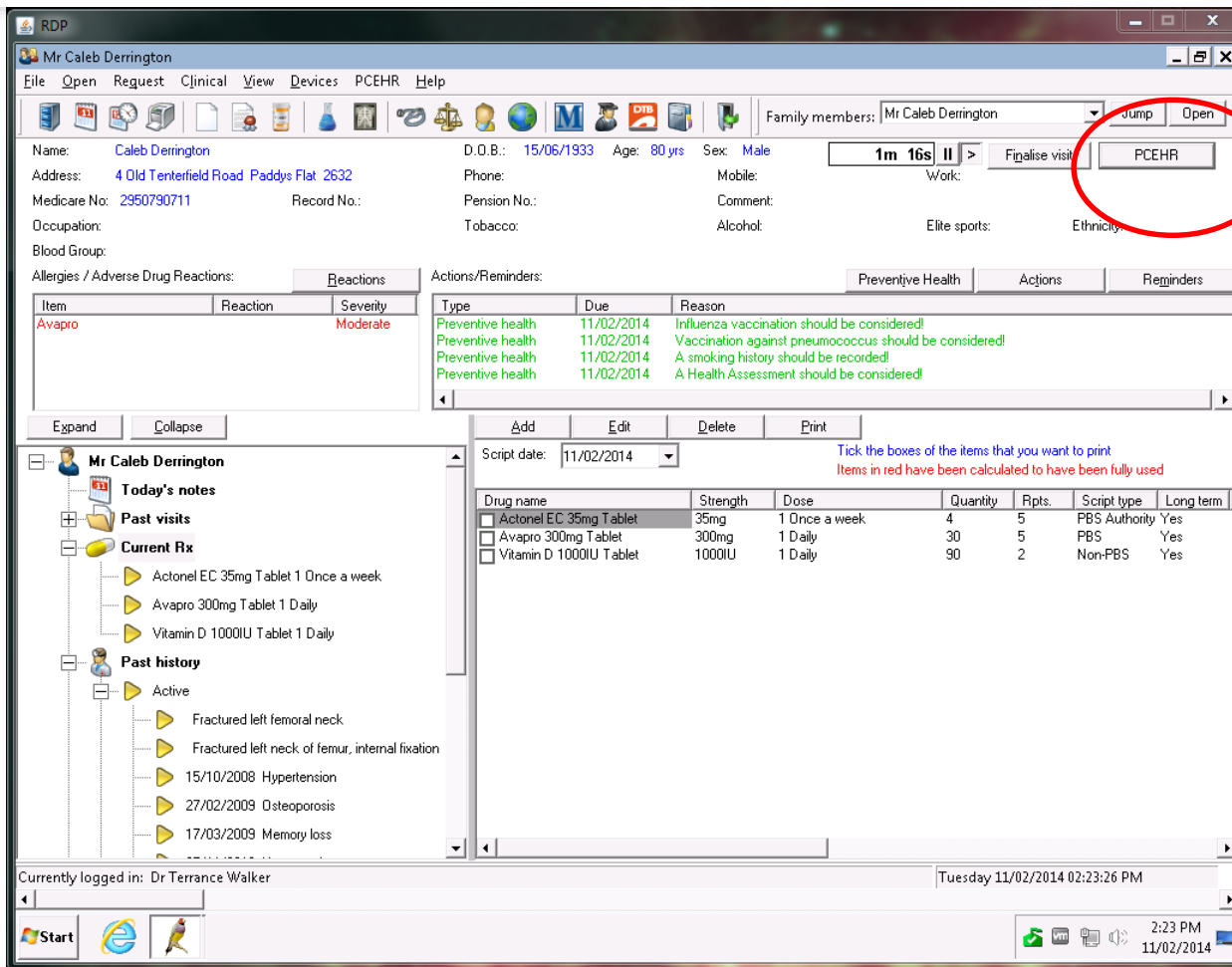
Event Summary

A clinical document used to capture health information about significant healthcare events from a healthcare professional. Information may include clinical synopsis and medications. You are not required to be a Nominated Healthcare Provider. It is likely that other parties will upload an Event Summary eg a nurse documenting wound management care or a flu vaccination, or a patient on holiday and visits a non-regular GP.

Discharge Summary

Created for an individual when associated with an event/hospital admission. May include diagnosis, key dates, clinical synopsis, diagnostic investigations and medications upon discharge, improving the continuity of care between healthcare professionals.

What does an eHealth record look like in clinical software?



Mr Caleb Derrington

Name: Caleb Derrington D.O.B.: 15/06/1933 Age: 80 yrs Sex: Male

Address: 4 Old Tenterfield Road Paddys Flat 2632 Phone: Mobile: Work: 1m 16s II > Finalise visit PCEHR

Medicare No: 2950790711 Record No.: Pension No.: Comment: Tobacco: Alcohol: Elite sports: Ethnicity:

Blood Group:

Allergies / Adverse Drug Reactions:

Item	Reaction	Severity
Avapro		Moderate

Actions/Reminders:

Type	Due	Reason
Preventive health	11/02/2014	Influenza vaccination should be considered!
Preventive health	11/02/2014	Vaccination against pneumococcus should be considered!
Preventive health	11/02/2014	A smoking history should be recorded!
Preventive health	11/02/2014	A Health Assessment should be considered!

Expand Collapse

Mr Caleb Derrington

Today's notes

Past visits

Current Rx

- Actonel EC 35mg Tablet 1 Once a week
- Avapro 300mg Tablet 1 Daily
- Vitamin D 1000IU Tablet 1 Daily

Past history

- Active
 - Fractured left femoral neck
 - Fractured left neck of femur, internal fixation
 - 15/10/2008 Hypertension
 - 27/02/2009 Osteoporosis
 - 17/03/2009 Memory loss

Script date: 11/02/2014

Tick the boxes of the items that you want to print
Items in red have been calculated to have been fully used

Drug name	Strength	Dose	Quantity	Rpts.	Script type	Long term
<input type="checkbox"/> Actonel EC 35mg Tablet	35mg	1 Once a week	4	5	PBS Authority	Yes
<input type="checkbox"/> Avapro 300mg Tablet	300mg	1 Daily	30	5	PBS	Yes
<input type="checkbox"/> Vitamin D 1000IU Tablet	1000IU	1 Daily	90	2	Non-PBS	Yes

Currently logged in: Dr Terrance Walker Tuesday 11/02/2014 02:23:26 PM

The PCEHR and other national eHealth systems are *integrated* into Clinical Software, reducing complexity for users.

What does a Shared Health Summary look like?

This is an example clinical document, data is for demonstration purposes only

Shared Health Summary

13 Feb 2014
 Mr Frank HARDING DoB 4 Oct 1949 (64y) SEX Male IHI 8003 6086 6670 1594 MRN 34902
 START OF DOCUMENT

City Medical Centre
 Author Dr Charley Fletcher (General Medical Practitioner)
 Phone (07) 3720 2801

Adverse Reactions

Adverse Reactions

Agent	Adverse Reaction
Penicillins	Diarrhoea

Medications

Medications

Medicine	Dose	Reason
Somac 40mg Tablets	1 tablet daily	GORD
Buscopan 40mg Tablets	2 tablets 4 times daily	GORD
Astrix 100mg Tablets	1 tablet daily	
Tritace 10mg Capsules	1 capsule daily	

Medical History

Diagnoses

Problem/Diagnosis	Date of Onset	Comment
Diabetes insipidus	1 Jan 1999	

Medical History - Procedures - Exclusion Statement

Exclusion Statement

None known

Immunisations

Immunisations - Exclusion Statement

Exclusion Statement

None known

ADMINISTRATIVE DETAILS

Patient	Author
Name Mr Frank HARDING	Name Dr Charley Fletcher (General Medical Practitioner) (HPI-I: 8003612033304560)
Sex Male	Organisation City Medical Centre (HPI-O: 8003622038904560)
Indigenous Status Neither Aboriginal nor Torres Strait Islander origin	Work Place 3 HENRI PL, 80 Stamford Road, PEARCE, SA, 5006, Australia
Date of Birth 4 Oct 1949 (64y)	Phone (07) 3720 2801 (Workplace)
IHI 8003 6086 6670 1594	
Entitlements 3950302571 (Medicare Benefits)	
Home Address 1 Australia Lane, North Adelaide, SA, 5006, Australia	

Clinical Document Details

Document Type Shared Health Summary

4. Benefits of eHealth

How does the eHealth record system benefit clinicians?

Better access to health information

Health Information around patient's current conditions and past records like diabetes, heart disease, medications or past surgeries.

Improved Continuity of Care

Continuity of care through accurate and timely communication and clinical hand-over across health professionals using eHealth products.

Informed decisions on patient's medical needs

Informed decisions on patient's medical needs through access to a health history that is shared rather than recalled by the patient.

Benefits

- It will reduce the time taken in chasing up on documents such as Discharge Summaries
- It will reduce the volume of paper documents
- It will reduce time in scanning

How does the eHealth record system benefit individuals (patients)?

- Health information will travel with the individual
- Healthcare is not affected by the individual's ability to remember their medical history
- Individuals have the ability to update personal data and view their health information online
- Better quality, safer and more efficient care for individuals (information availability and less time wastage)
- Reduction in duplication (tests, information, etc.)



Learn About eHealth**Using the eHealth Record System****How does it work?**

Whether you are a healthcare provider, practice manager, medical software vendor, or involved in eHealth implementation in any way, you can learn about eHealth here. What it is, how it works and the benefits to all.

[Find Out More >](#)**Login or Register >**

Software vendors can download eHealth specifications and associated documentation.

Call Us: 1300 901 001 >

Ask an expert and get help with your eHealth questions.

About Clinical Terminology >

Clinical terminology covers complex concepts such as diseases, operations, treatments and medicines.

Browse eHealth By Topic

Find the eHealth topic you need below.

Software Demonstrations >

NEHTA has recorded demonstrations of some of the key eHealth features in a number of software products to show how quick and easy eHealth is to use, and to let you have a go at using

Software Products using eHealth >

Find out which software products available on the market have particular eHealth functions.

Training Environment >

This environment aims to assist healthcare organisations wishing to train clinicians in eHealth.

<http://www.nehta.gov.au/using-the-ehealth-record-system/ehealth-training-resources/software-demos>

On Demand Training Environment: Log on anytime and practise with a 'test' patient.



Software Demonstrations: Short videos which show key functions eg uploading a Shared Health Summary in the main software vendor systems.

Available at <http://www.nehta.gov.au/using-the-ehealth-record-system>

We would like to work with you to support your members to get connected to the eHealth record system and start seeing the benefits from eHealth.

Contact us at:

help@nehta.gov.au

1300 901 001

www.nehta.gov.au

Thank You!