IHTSDO Implementation Showcase
National Initiatives: Driving adoption though demonstrator capabilities.

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About NEHTA

Established in 2005, The National E-Health Transition Authority (NEHTA) is a corporate entity owned by the Australian Federal, state and territory governments, to identify and jointly develop the necessary foundations and services for a national eHealth capability with the goal to:

- Improve the quality and safety of healthcare
- Reduce waste and inefficiency
- Improve continuity and health outcomes for patients
<table>
<thead>
<tr>
<th>NEHTA Work Programme Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personally Controlled Electronic Health Record</strong></td>
</tr>
<tr>
<td>eHealth Services</td>
</tr>
<tr>
<td>eHealth Solutions</td>
</tr>
<tr>
<td>National Infrastructure Components</td>
</tr>
</tbody>
</table>
Clinical documents, such as Shared Health Summaries, Discharge Summaries, Event Summaries, Pathology Result Reports, Imaging Reports and Specialist Letters will be collected from a range of participating organisations, and stored within a number of secure repositories in the PCEHR System. The PCEHR System may also share key health information entered by the individual (such as over-the-counter medications and allergies), and access information from Medicare Australia—such as an individual’s organ donor status, dispensed medications funded under the Pharmaceutical Benefits Scheme (PBS), information about healthcare events from an individual’s Medicare claiming history and a child’s immunisation history.

The PCEHR System will also collect information about the location of an individual’s advance directives (if they have one).

The PCEHR System will provide a number of core services that will allow authorised users to search for clinical documents, view clinical documents and access reports.

A key feature of the PCEHR System is its ability to provide a series of views over different clinical documents in an individual’s PCEHR. These views will allow users of the system to easily see a consolidated overview of an individual’s allergies/adverse reactions, medicines, medical history, immunisations, directives and recent healthcare events from different information sources.

Figure 3 provides an example of a Consolidated View.

The details of what information will be available through the national PCEHR System will be subject to further consultation with the community. The content available in an individual’s PCEHR from July 2012 will also depend on the readiness of other healthcare provider information systems to participate in the national PCEHR program.
National eHealth record system launched
July 2012

More than 1.9 million Australians now registered for an eHealth record
Across Australia: Which providers are viewing which documents?

<table>
<thead>
<tr>
<th>Document Type</th>
<th>General Practice</th>
<th>Hospital</th>
<th>Retail Pharmacy</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shared Health Summary</td>
<td>95%</td>
<td>4%</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Event Summary</td>
<td>90%</td>
<td>10%</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Discharge Summary</td>
<td>89%</td>
<td>11%</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Prescription Document</td>
<td>60%</td>
<td>39%</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Dispense Document</td>
<td>14%</td>
<td>60%</td>
<td>26%</td>
<td></td>
</tr>
</tbody>
</table>

Percentage of views in August 2014
### Our NRC at a glance (as at October)

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Releases of SNOMED CT-AU</td>
<td>11</td>
</tr>
<tr>
<td>Releases of AMTV2</td>
<td>57</td>
</tr>
<tr>
<td>Releases of AMT v3</td>
<td>4</td>
</tr>
<tr>
<td>Reference Sets</td>
<td>60</td>
</tr>
<tr>
<td>Virtual Team</td>
<td>1</td>
</tr>
<tr>
<td>Terminology Team Members</td>
<td>21</td>
</tr>
<tr>
<td>Licence Holders</td>
<td>759</td>
</tr>
<tr>
<td>Containered Trade Product Packs in AMT</td>
<td>17000</td>
</tr>
<tr>
<td>Concepts in SNOMED CT-AU for clinical use</td>
<td>297128</td>
</tr>
<tr>
<td>Organisations on National Product Catalogue</td>
<td>440</td>
</tr>
</tbody>
</table>
Our three business areas

To build, maintain and support clinical terminologies, requires a range of skills.

- AMT SNOMED CT-AU + Reference Sets
- Product and Tooling Specialists (Consulting) Implementations Specialists
- Product User Groups Help Centre Communications NEHTA Website eHealth Reference Platform
Driving Vendor Uptake of AMT & SNOMED CT

- Collaboration with their customers and agreement on a set of common requirements
- Addressing the sector through direct and individual contact with GP, Community Pharmacy and Acute System Vendors—including account management and prof services support
- Collaboration with the individual vendors on structure and processes that would work for them; such as workshops and consultation.
- Technical support and tooling.
- Specific contractual arrangements including financial incentives.
AMT Model – high level

**Identifies the Medicinal Product**

- **Medicinal Product (MP)**
  - e.g. Amoxycillin

- **Medicinal Product Unit of Use (MPUU)**
  - e.g. Amoxycillin 500 mg capsule

- **Medicinal Product Pack (MPP)**
  - e.g. Amoxycillin 500 mg capsule, 20

**Identifies the Trade Product**

- **Trade Product (TP)**
  - e.g. Amoxil

- **Trade Product Unit of Use (MPUU)**
  - e.g. Amoxil 500 mg capsule: hard, 1 capsule

- **Trade Product Pack (TPP)**
  - e.g. Amoxil 500 mg capsule: hard, 20

- **Containered Trade Product Pack (CTPP)**
  - e.g. Amoxil 500 mg capsule: hard, 20 capsules, blister pack
Demonstration

The **eHealth Reference Platform** is a clinically-validated technical simulation of the key eHealth systems in Australia that supports:

- **Demonstration** (like this one 😊)
- **Training** for healthcare providers based on clinician-developed workflows and sample patient data
- **Design Validation** and Development capabilities
- Vendor and Implementer **integration support**.

It is a combination of:

- Online services accessed through the Internet
- Integration toolkits that can be downloaded and used by implementers
- Developer and technical services