Terminology Implementation in Australia

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The National E-Health Transition Authority (NEHTA) was established by the Australian, State and Territory governments in 2005 to develop better ways of electronically collecting and securely exchanging health information.
Our Vision

Enhance healthcare by enabling access to the right information, for the right person, at the right time and place
<table>
<thead>
<tr>
<th>Personally Controlled Electronic Health Record</th>
<th>Clinical Information</th>
<th>Individual Information</th>
<th>Shared Information</th>
<th>[Others]</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Health Services</td>
<td>Shared Health Profile</td>
<td>Events Summaries</td>
<td>Self Managed Care</td>
<td>Complex Care Management</td>
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<tr>
<td>E-Health Solutions</td>
<td>ePathology</td>
<td>eDischarge</td>
<td>eReferral</td>
<td>eMedications</td>
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<tr>
<td>National Infrastructure Components</td>
<td>Terminology</td>
<td>Secure Messaging</td>
<td>Identifiers</td>
<td>Authentication</td>
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</table>
Reference set development for specifications

1. National specifications developed by information modellers
   - eDischarge Summary
   - eReferrals
   - eDiagnostic Imaging
   - Shared Health Summary
2. Terminologists identify appropriate terminology for each field

Scope = Context, Use cases, Reference Sources
Purpose = Constraint and Ease of Implementation
Reference set development for specifications

Outcome:
• Limited adoption rate & Stakeholder feedback
• Not satisfying immediate community needs
• *Perceived* value for effort = low

Why?
• Terminology adoption dependent on Specification adoption
• Other code systems already established
• Limited understanding what SNOMED CT is
Implementation Approach

Continue with existing strategy but identify and support adoption

- Prioritised based customer needs
  
  Medication Management (Reconciliation, Adverse reactions)

- Collaborate on content development
  
  Requirements developed with the implementers

- Develop to meet vendors current needs
  
  Investigating tools and guides to support

- Direct Implementation Support
Collaborate on content development

Adverse reactions project:

- Clinical manifestation reference set
- Adverse reaction agent reference set

Based on stakeholder source data - with frequencies

Scope and Identified content reviewed

Review of Preferred terms for end users
Examples and Demonstration collateral

Adverse Reaction Capture Demonstration

- Reaction Type: Medication side-effect
- Causative Agent: Tylenol
- Date of Event: 04/07/2013
- Clinical manifestations: Nausea and vomiting
Implementation Approach

Develop to meet vendors current needs

Propose some options

• Adverse reaction project
• Pilot GP Diagnosis exchange

Invite alternative suggestions from vendors

• Diagnostic requesting
• Search/Browsing widget

Also support for general helpdesk requests
Direct Implementation Support

Education workshops before collaborations

Education appropriate for audience
- Developer vs Clinician vs Decision Maker

Reference code samples

Use case based Implementation guidance
Lesson learnt

- Support opportunities rather than “impose”
- Ensure appropriate audience/information
- Provide demonstrations and examples
- Provide implementation support
- Support (viable) integration with established codes
Thank you and Questions