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**Structured Content Specification**

**PCEHR Medicare Overview  
Version 1.1**

27 September 2013

Approved for external use

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## Document Information

### Document owner

#### Document Owner

The National Clinical Terminology and Information Service

### Change history

Version	Date	Comments
1.0	30 Apr 2013	Initial release.
1.1	27 Sep 2013	Revised cardinality of some sections.

### Related documents

Name	Version/Release Date
<a href="#">NEHTA Acronyms, Abbreviations &amp; Glossary of Terms</a>	Version 1.2, Issued 25 May 2005
<a href="#">Medicare/DVA Benefits Report Structured Content Specification</a>	Version 1.1, Issued 18 June 2012
<a href="#">Pharmaceutical Benefits Report Structured Content Specification</a>	Version 1.1, Issued 18 June 2012
<a href="#">Australian Childhood Immunisation Register Structured Content Specification</a>	Version 1.1, Issued 26 July 2012
<a href="#">Australian Organ Donor Register Structured Content Specification</a>	Version 1.1, Issued 18 June 2012
<a href="#">Participation Data Specification</a>	Version 3.2, Issued 20 July 2011
<a href="#">Information Requirements - Medicare Overview</a>	Version 1.0, Issued 05 July 2012
<a href="#">Miscellaneous Detailed Clinical Model Specification</a>	Version 1.2, Issued 22 December 2011
<a href="#">Medicare Repositories Detailed Clinical Model Specification</a>	Version 1.0, Issued 22 December 2011
<a href="#">Medication Instruction And Action Detailed Clinical Model Specification</a>	Version 2.2, Issued 04 September 2013

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# 1 Introduction

This document is a Structured Content Specification (SCS) for Medicare Overview. It specifies the information structure of NEHTA-compliant documents that collate health information from the Personally Controlled Electronic Health Record (PCEHR) system from the following:

- Medicare Benefits Scheme (MBS)
- Pharmaceutical Benefits Scheme (PBS)
- Repatriation Pharmaceutical Benefits Scheme (RPBS)
- Australian Childhood Immunisation Register (ACIR)
- Australian Organ Donor Register (AODR)

[Appendix C, Specification Guide for Use](#) provides definitional details on data type constraints applied to data elements defined in the SCS. It also provides important information on how to read and use the SCS and is therefore an essential compendium for better understanding of the SCS.

NEHTA values your questions and comments about this document. Please direct your questions or feedback to [clinicalinformation@nehta.gov.au](mailto:clinicalinformation@nehta.gov.au).

## 1.1 Document Purpose

The content within this document provides reviewers (software development teams, architects, designers, clinicians and informatics researchers) with the necessary information (or references to information held outside this document) to evaluate and assess the clinical suitability of NEHTA-endorsed specifications for the electronic transfer of Medicare Overview.

It is also a key input to the [NEHTA Medicare Overview CDA Implementation Guide \[NEHT2013w\]](#), which describes how to implement NEHTA-compliant Medicare Overview using the [HL7 Clinical Document Architecture \[HL7CDAR2\]](#).

## 1.2 Intended Audience

This document is intended for software development teams, architects, designers, clinicians and informatics researchers who are responsible for the delivery of clinical applications, infrastructure components and messaging interfaces. It is also intended for those who wish to evaluate the clinical suitability of NEHTA-endorsed specifications.

## 1.3 Document Scope

This document specifies the essential clinical data groups and elements to be captured in a Medicare Overview exchange and the constraints that should be applied. Its scope is aligned to the document [Concept of Operations: Relating to the introduction of a Personally Controlled Electronic Health Record System \[DHA2011b\]](#).

This is not a guide to implementing any specific messaging standard.

## 1.4 Known Issues

This is a preliminary draft for trial implementation.

Known issues with this document are described in [Appendix A, \*Known Issues\*](#).

# 2 Medicare Overview Structured Document

## 2.1 MEDICARE OVERVIEW

### Identification

<b>Label</b>	MEDICARE OVERVIEW
<b>Metadata Type</b>	Structured Document
<b>Identifier</b>	SD-16767
<b>OID</b>	1.2.36.1.2001.1001.101.100.16767























### Definition
























<b>Definition</b>	The Medicare Overview provides Medicare Benefits Scheme (MBS) claims history, Pharmaceutical Benefits Scheme (PBS) and Repatriation Pharmaceutical Benefits Scheme (RPBS) claims history, Australian Childhood Immunisation Register (ACIR) history and Australian Organ Donor Register (AODR) information that is in the individual's PCEHR.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

























### Usage
























<b>Conditions of Use</b>	<p>This structured document <b>SHALL</b> contain either exactly one instance of <i>Medicare Overview Exclusion Statement</i> or exactly one instance of each of the following sections:</p> <ul style="list-style-type: none"> <li>• <i>MEDICARE/DVA FUNDED SERVICES HISTORY</i></li> <li>• <i>PHARMACEUTICAL BENEFITS HISTORY</i></li> <li>• <i>AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY</i></li> <li>• <i>AUSTRALIAN ORGAN DONOR REGISTER INFORMATION</i></li> </ul> <p>This structured document <b>SHALL NOT</b> contain both an instance of <i>Medicare Overview Exclusion Statement</i> and instances of the four sections.</p>
<b>Conditions of Use Source</b>	NEHTA




















# Data Hierarchy

		MEDICARE OVERVIEW	
CONTEXT			
		SUBJECT OF CARE	1..1
		DOCUMENT AUTHOR	1..1
		DateTime Authored	1..1
		Earliest Date for Filtering (DateTime Health Event Started)	0..1
		Latest Date for Filtering (DateTime Health Event Ended)	0..1
		HEALTHCARE FACILITY	0..0
		Medicare Overview Instance Identifier	0..0
		LINK	0..0
		Structured Document Identifier	0..0
CONTENT			
		Medicare Overview Exclusion Statement (EXCLUSION STATEMENT)	0..1
		General Statement	1..1
		INFORMATION PROVIDER	0..0
		SUBJECT	0..0
		Exclusion Statement Instance Identifier	0..0
		LINK	0..0
		Detailed Clinical Model Identifier	0..0
		MEDICARE/DVA FUNDED SERVICES HISTORY	0..1
		EXCLUSION STATEMENT	0..1
		General Statement	1..1
		INFORMATION PROVIDER	0..0
		SUBJECT	0..0
























			Exclusion Statement Instance Identifier	0..0
			LINK	0..0
			Detailed Clinical Model Identifier	0..0
			MEDICARE/DVA FUNDED SERVICES	0..1
			MEDICARE/DVA FUNDED SERVICE	1..*
			Date of Service	1..1
			Medicare MBS/DVA Item	1..1
			Service in Hospital Indicator	0..1
			SERVICE REQUESTER	0..1
			SERVICE PROVIDER	0..1
			INFORMATION PROVIDER	0..0
			SUBJECT	0..0
			Medicare/DVA Funded Service Instance Identifier	0..0
			Medicare/DVA Funded Service Document Link (LINK)	1..1
			Link Nature	1..1
			Link Role	0..1
			Target Document (Link Target)	1..1
			Detailed Clinical Model Identifier	0..0
			Medicare/DVA Funded Services Instance Identifier	0..0
			LINK	0..0
			Section Identifier	0..0
			Medicare/DVA Funded Services History Instance Identifier	0..0
			LINK	0..0


























		Section Identifier	0..0
		PHARMACEUTICAL BENEFITS HISTORY	0..1
		EXCLUSION STATEMENT	0..1
		 General Statement	1..1
		 INFORMATION PROVIDER	0..0
		 SUBJECT	0..0
		Exclusion Statement Instance Identifier	0..0
		LINK	0..0
		Detailed Clinical Model Identifier	0..0
		PHARMACEUTICAL BENEFIT ITEMS	0..1
		PHARMACEUTICAL BENEFIT ITEM	1..*
		 PBS/RPBS Item Code	1..1
		 PBS/RPBS Manufacturer Code	0..1
		 Brand (Pharmaceutical Item Brand)	1..1
		 Item Generic Name (Pharmaceutical Item Generic Name)	1..1
		 Item Form and Strength (Pharmaceutical Item Form and Strength)	1..1
		 Date of Supply	1..1
		 Date of Prescribing	1..1
		 Quantity	1..1
		 Number of Repeats	1..1
		 INFORMATION PROVIDER	0..0
		 SUBJECT	0..0
		Pharmaceutical Benefit Item Instance Identifier	0..0
		Pharmaceutical Benefit Item Document Link (LINK)	1..1

























					Link Nature	1..1
					Link Role	0..1
					Target Document ( <a href="#">Link Target</a> )	1..1
				Detailed Clinical Model Identifier		0..0
			Pharmaceutical Benefit Items Instance Identifier			0..0
			LINK			0..0
			Section Identifier			0..0
		Pharmaceutical Benefits History Instance Identifier				0..0
		LINK			0..0	
		Section Identifier			0..0	
		<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY</a>				0..1
		<a href="#">EXCLUSION STATEMENT</a>			0..1	
				General Statement	1..1	
				INFORMATION PROVIDER	0..0	
				SUBJECT	0..0	
			Exclusion Statement Instance Identifier			0..0
			LINK			0..0
			Detailed Clinical Model Identifier			0..0
		<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES</a>				0..1
			<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY</a>			1..*
			<a href="#">VACCINE ADMINISTRATION ENTRY</a>			0..1
				Vaccine Administration ( <a href="#">MEDICATION ACTION</a> )	1..1	
				Vaccine Type ( <a href="#">Therapeutic Good Identification</a> )	1..1	
















						Additional Medicine Detail (Additional Therapeutic Good Detail)	0..0
						Instructions to Subject of Care or Carer (Medication Action Instructions)	0..0
						Formula	0..0
						Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..0
						Medicare Antigen Code ( <a href="#">Reason for Action</a> )	0..*
						Quantity of Medication (AMOUNT OF MEDICATION)	0..0
						Comment (Medication Action Comment)	0..0
						Vaccine Dose Number ( <a href="#">Sequence Number</a> )	0..1
						Administration (MEDICATION ADMINISTRATION)	0..0
						Brand Substituted (Brand Substitution Occurred)	0..0
						Batchid (Batch Identifier)	0..0
						Date of Expiry (Expiry Date)	0..0
						DISPENSED TO	0..0
						Number of this Dispense	0..0
						Maximum Number of Repeats	0..0
						Claim Category	0..0
						Administrative Item Code	0..0
						Administrative Manufacturer Code	0..0
					  	Administrative System Identifier	0..0
						INFORMATION PROVIDER	0..0
						SUBJECT	0..0
						Date Vaccination Received ( <a href="#">Medication Action DateTime</a> )	1..1
						Medication Action Instance Identifier	0..0



						LINK	0..0
						Detailed Clinical Model Identifier	0..0
					VACCINE CANCELLATION ENTRY		0..1
					Vaccine Cancellation (MEDICATION ACTION)		1..1
						Vaccine Type (Therapeutic Good Identification)	1..1
						Additional Medicine Detail (Additional Therapeutic Good Detail)	0..0
						Instructions to Subject of Care or Carer (Medication Action Instructions)	0..0
						Formula	0..0
						Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..0
						Medicare Antigen Code (Reason for Action)	0..*
						Quantity of Medication (AMOUNT OF MEDICATION)	0..0
						Comment (Medication Action Comment)	0..0
						Vaccine Dose Number (Sequence Number)	0..1
						Administration (MEDICATION ADMINISTRATION)	0..0
						Brand Substituted (Brand Substitution Occurred)	0..0
						Batchid (Batch Identifier)	0..0
						Date of Expiry (Expiry Date)	0..0
						DISPENSED TO	0..0
						Number of this Dispense	0..0
						Maximum Number of Repeats	0..0
						Claim Category	0..0
						Administrative Item Code	0..0
						Administrative Manufacturer Code	0..0

					  	Administrative System Identifier	0..0
						INFORMATION PROVIDER	0..0
						SUBJECT	0..0
						Date Vaccination Cancelled ( <a href="#">Medication Action DateTime</a> )	0..1
						Medication Action Instance Identifier	0..0
						LINK	0..0
						Detailed Clinical Model Identifier	0..0
					<b>VACCINE CANCELLATION REASON</b>		0..*
					 <small>001011001</small>	Type ( <a href="#">Vaccine Cancellation Reason Type</a> )	1..1
						Period ( <a href="#">Vaccine Cancellation Reason Period</a> )	1..1
						Comment ( <a href="#">Vaccine Cancellation Reason Comment</a> )	1..1
						INFORMATION PROVIDER	0..0
						SUBJECT	0..0
						Vaccine Cancellation Reason Instance Identifier	0..0
						LINK	0..0
						Detailed Clinical Model Identifier	0..0
				Australian Childhood Immunisation Register Entries Instance Identifier			0..0
				Australian Childhood Immunisation Register Entries Document Link ( <a href="#">LINK</a> )			1..1
				 <small>001011001</small>	Link Nature		1..1
				 <small>001011001</small>	Link Role		0..1
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			Australian Childhood Immunisation Register History Instance Identifier	0..0
			LINK	0..0
			Section Identifier	0..0
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			General Statement	1..1
			INFORMATION PROVIDER	0..0
			SUBJECT	0..0
			Exclusion Statement Instance Identifier	0..0
			LINK	0..0
			Detailed Clinical Model Identifier	0..0
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			AUSTRALIAN ORGAN DONOR REGISTER ENTRY	1..1
			Date of Initial Registration	1..1
			Donation Decision	1..1
			ORGAN AND TISSUE DONATION DETAILS	0..1
			Bone Tissue Indicator	1..1
			Eye Tissue Indicator	1..1
			Heart Indicator	1..1
			Heart Valve Indicator	1..1
			Kidney Indicator	1..1
			Liver Indicator	1..1
			Lungs Indicator	1..1
			Pancreas Indicator	1..1

				Skin Tissue Indicator	1..1
				INFORMATION PROVIDER	0..0
				SUBJECT	0..0
				Australian Organ Donor Register Entry Instance Identifier	0..0
				LINK	0..0
				Detailed Clinical Model Identifier	0..0
				Australian Organ Donor Register Details Instance Identifier	0..0
				Australian Organ Donor Register Details Document Link ( <a href="#">LINK</a> )	1..1
				Link Nature	1..1
				Link Role	0..1
				Target Document ( <a href="#">Link Target</a> )	1..1
				Section Identifier	0..0
				Australian Organ Donor Register Information Instance Identifier	0..0
				LINK	0..0
				Section Identifier	0..0

## 2.2 SUBJECT OF CARE

### Identification

<b>Label</b>	SUBJECT OF CARE
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-10296
<b>OID</b>	1.2.36.1.2001.1001.101.102.10296

### Definition

<b>Definition</b>	Identifies the person about whom the health information contained in this <i>Medicare Overview</i> has been captured.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	Patient Individual


### Usage

<b>Conditions of Use</b>	<p>This is a reuse of the <i>PARTICIPATION</i> data group, which is described in <a href="#">Participation Data Specification [NEHT2011v]</a>.</p> <p>The following constraints are additional to those specified in <a href="#">Participation Data Specification [NEHT2011v]</a>. Constraints are explained in <a href="#">Appendix C, Specification Guide for Use</a>.</p> <p>Additional obligation and occurrence constraints:</p> <ul style="list-style-type: none"> <li>• Participation Period is <b>PROHIBITED</b>.</li> <li>• LOCATION OF PARTICIPATION is <b>PROHIBITED</b>.</li> <li>• Entity Identifier is <b>ESSENTIAL</b>.</li> <li>• Relationship to Subject of Care is <b>PROHIBITED</b>.</li> <li>• EMPLOYMENT DETAIL is <b>PROHIBITED</b>.</li> <li>• DEMOGRAPHIC DATA is <b>ESSENTIAL</b>.</li> <li>• Sex is <b>ESSENTIAL</b>.</li> <li>• DATE OF BIRTH DETAIL is <b>ESSENTIAL</b>.</li> <li>• AGE DETAIL is <b>ESSENTIAL</b>.</li> <li>• Qualifications is <b>PROHIBITED</b>.</li> <li>• Indigenous Status is <b>ESSENTIAL</b>.</li> </ul> <p>Other additional constraints:</p>
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Conditions of Use Source	<ul style="list-style-type: none"> <li>Participation Type <b>SHALL</b> have an implementation-specific value equivalent to "Subject of Care".</li> <li>Role <b>SHALL</b> have an implementation-specific value equivalent to "Patient".</li> <li>The value of one Entity Identifier <b>SHALL</b> be an Australian IHI.</li> <li>PERSON OR ORGANISATION OR DEVICE <b>SHALL</b> be instantiated as a PERSON.</li> </ul>
	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE OVERVIEW</a>	1..1

## 2.3 DOCUMENT AUTHOR

### Identification

<b>Label</b>	DOCUMENT AUTHOR
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-10296
<b>OID</b>	1.2.36.1.2001.1001.101.102.10296

### Definition

<b>Definition</b>	The device that composed the <i>Medicare Overview</i> document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	Author


### Usage

<b>Conditions of Use</b>	<p>This is a reuse of the <i>PARTICIPATION</i> data group, which is described in <a href="#">Participation Data Specification [NEHT2011v]</a>.</p> <p>The following constraints are additional to those specified in <a href="#">Participation Data Specification [NEHT2011v]</a>. Constraints are explained in <a href="#">Appendix C, Specification Guide for Use</a>.</p> <p>Additional obligation and occurrence constraints:</p> <ul style="list-style-type: none"> <li>• Participation Period is <b>PROHIBITED</b>.</li> <li>• LOCATION OF PARTICIPATION is <b>PROHIBITED</b>.</li> <li>• ADDRESS is <b>PROHIBITED</b>.</li> <li>• ELECTRONIC COMMUNICATION DETAIL is <b>PROHIBITED</b>.</li> <li>• ENTITLEMENT is <b>PROHIBITED</b>.</li> <li>• Qualifications is <b>PROHIBITED</b>.</li> <li>• Entity Identifier is <b>ESSENTIAL</b>.</li> </ul> <p>Other additional constraints:</p> <ul style="list-style-type: none"> <li>• Role <b>SHALL</b> have an implementation specific value equivalent to “Not Applicable”.</li> <li>• Participation Type <b>SHALL</b> have an implementation-specific value equivalent to “Document Author”.</li> <li>• The value of one Entity Identifier <b>SHALL</b> be a PCEHR Assigned Identifier for Device (PAI-D).</li> </ul>
--------------------------	---

<b>Conditions of Use Source</b>	<ul style="list-style-type: none"> <li>PERSON OR ORGANISATION OR DEVICE <b>SHALL</b> be instantiated as a DEVICE.</li> </ul> <p>NEHTA</p>
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE OVERVIEW	1..1



## 2.4 DateTime Authored

### Identification

<b>Label</b>	DateTime Authored
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-20105
<b>OID</b>	1.2.36.1.2001.1001.101.103.20105

### Definition


<b>Definition</b>	The date, or date and time, that the <i>Medicare Overview</i> document was constructed from the source documents.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE OVERVIEW</a>	1..1

## 2.5 DateTime Health Event Started

### Identification

<b>Label</b>	Earliest Date for Filtering
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-15507
<b>OID</b>	1.2.36.1.2001.1001.101.103.15507

### Definition


<b>Definition</b>	The date, or date and time, on or after which all source documents were authored.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	The earliest date-time used in selecting documents for this view.
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE OVERVIEW</a>	0..1

## 2.6 DateTime Health Event Ended

### Identification

<b>Label</b>	Latest Date for Filtering
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-15510
<b>OID</b>	1.2.36.1.2001.1001.101.103.15510

### Definition


<b>Definition</b>	The date, or date and time, on or before which all source documents were authored.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	The latest date-time used in selecting documents for this view.
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE OVERVIEW</a>	0..1

# 2.7 MEDICARE/DVA FUNDED SERVICES HISTORY

## Identification

<b>Label</b>	MEDICARE/DVA FUNDED SERVICES HISTORY
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16780
<b>OID</b>	1.2.36.1.2001.1001.101.101.16780

## Definition


<b>Definition</b>	Information held by the Department of Human Services about healthcare services provided to an individual that have been funded in part or in full by Medicare or the Department of Veterans' Affairs (DVA).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Usage


<b>Conditions of Use</b>	Each instance of this section <b>SHALL</b> contain either exactly one instance of <i>EXCLUSION STATEMENT</i> or exactly one instance of <i>MEDICARE/DVA FUNDED SERVICES</i> .  This section <b>SHALL NOT</b> contain both an instance of <i>EXCLUSION STATEMENT</i> and an instance of <i>MEDICARE/DVA FUNDED SERVICES</i> .
<b>Conditions of Use Source</b>	NEHTA





## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE OVERVIEW</a>	0..1

### Children

Data Type	Name	Occurrences
	<a href="#">EXCLUSION STATEMENT</a>	0..1

Data Type	Name	Occurrences
	MEDICARE/DVA FUNDED SERVICES	0..1
	Medicare/DVA Funded Services History Instance Identifier	0..0
	LINK	0..0
	Section Identifier	0..0

# 2.8 MEDICARE/DVA FUNDED SERVICES

## Identification

<b>Label</b>	MEDICARE/DVA FUNDED SERVICES
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16643
<b>OID</b>	1.2.36.1.2001.1001.101.101.16643

## Definition





<b>Definition</b>	Information held by the Department of Human Services about healthcare services provided to an individual that have been funded in part or in full by Medicare or the Department of Veterans' Affairs (DVA).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE/DVA FUNDED SERVICES HISTORY</a>	0..1

### Children

Data Type	Name	Occurrences
	<a href="#">MEDICARE/DVA FUNDED SERVICE</a>	1..*
	Medicare/DVA Funded Services Instance Identifier	0..0
	LINK	0..0
	Section Identifier	0..0

## 2.9 PHARMACEUTICAL BENEFITS HISTORY

### Identification

<b>Label</b>	PHARMACEUTICAL BENEFITS HISTORY
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16778
<b>OID</b>	1.2.36.1.2001.1001.101.101.16778

### Definition


<b>Definition</b>	Information held by the Department of Human Services about a pharmaceutical item prescribed and dispensed to an individual and partially or fully funded under the Pharmaceutical Benefits Scheme (PBS) or Repatriation Pharmaceutical Benefits Scheme (RPBS).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

### Usage


<b>Conditions of Use</b>	Each instance of this section <b>SHALL</b> contain either exactly one instance of <i>EXCLUSION STATEMENT</i> or exactly one instance of <i>PHARMACEUTICAL BENEFIT ITEMS</i> .  This section <b>SHALL NOT</b> contain both an instance of <i>EXCLUSION STATEMENT</i> and an instance of <i>PHARMACEUTICAL BENEFIT ITEMS</i> .
<b>Conditions of Use Source</b>	NEHTA





## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE OVERVIEW	0..1

#### Children

Data Type	Name	Occurrences
	EXCLUSION STATEMENT	0..1

Data Type	Name	Occurrences
	<a href="#">PHARMACEUTICAL BENEFIT ITEMS</a>	0..1
	Pharmaceutical Benefits History Instance Identifier	0..0
	LINK	0..0
	Section Identifier	0..0



## 2.10 PHARMACEUTICAL BENEFIT ITEMS

### Identification


<b>Label</b>	PHARMACEUTICAL BENEFIT ITEMS
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16649
<b>OID</b>	1.2.36.1.2001.1001.101.101.16649

### Definition





<b>Definition</b>	Information held by the Department of Human Services about a pharmaceutical item prescribed and dispensed to an individual and partially or fully funded under the Pharmaceutical Benefits Scheme (PBS) or Repatriation Pharmaceutical Benefits Scheme (RPBS).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PHARMACEUTICAL BENEFITS HISTORY</a>	0..1

#### Children

Data Type	Name	Occurrences
	<a href="#">PHARMACEUTICAL BENEFIT ITEM</a>	1..*
	Pharmaceutical Benefit Items Instance Identifier	0..0
	LINK	0..0
	Section Identifier	0..0

# 2.11 AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY

## Identification

<b>Label</b>	AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16776
<b>OID</b>	1.2.36.1.2001.1001.101.101.16776

## Definition


<b>Definition</b>	Information held by the Department of Human Services about vaccines administered to a child for immunisation, or conditions that prevent that child from being immunised.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Usage


<b>Conditions of Use</b>	Each instance of this section <b>SHALL</b> contain either exactly one instance of <i>EXCLUSION STATEMENT</i> or exactly one instance of <i>AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES</i> .  This section <b>SHALL NOT</b> contain both an instance of <i>EXCLUSION STATEMENT</i> and an instance of <i>AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES</i> .
<b>Conditions of Use Source</b>	NEHTA





## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE OVERVIEW	0..1

### Children

Data Type	Name	Occurrences
	EXCLUSION STATEMENT	0..1

Data Type	Name	Occurrences
	AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES	0..1
	Australian Childhood Immunisation Register History Instance Identifier	0..0
	LINK	0..0
	Section Identifier	0..0

# 2.12 AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES

## Identification


<b>Label</b>	AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16658
<b>OID</b>	1.2.36.1.2001.1001.101.101.16658

## Definition





<b>Definition</b>	Information held by the Department of Human Services about vaccines administered to the child for immunisation, or conditions that prevent the child from being immunised.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY</a>	0..1

### Children

Data Type	Name	Occurrences
	<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY</a>	1..*
	Australian Childhood Immunisation Register Entries Instance Identifier	0..0
	Australian Childhood Immunisation Register Entries Document Link ( <a href="#">LINK</a> )	1..1
	Section Identifier	0..0

## 2.13 AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY

### Identification


<b>Label</b>	AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY
<b>Metadata Type</b>	Choice
<b>Identifier</b>	C-16759
<b>OID</b>	1.2.36.1.2001.1001.101.105.16759

### Definition



<b>Definition</b>	A run-time choice to be made between a <a href="#">VACCINE ADMINISTRATION ENTRY</a> and a <a href="#">VACCINE CANCELLATION ENTRY</a> .
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Because this data component is a choice, each instance of this data component will contain exactly one of the child data groups.

### Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES</a>	1..*

#### Children

Data Type	Name	Occurrences
	<a href="#">VACCINE ADMINISTRATION ENTRY</a>	0..1
	<a href="#">VACCINE CANCELLATION ENTRY</a>	0..1

## 2.14 VACCINE ADMINISTRATION ENTRY

### Identification


<b>Label</b>	VACCINE ADMINISTRATION ENTRY
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16763
<b>OID</b>	1.2.36.1.2001.1001.101.101.16763

### Definition


<b>Definition</b>	A section to hold the details of administration of a vaccine.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY</a>	0..1

#### Children

Data Type	Name	Occurrences
	Vaccine Administration ( <a href="#">MEDICATION ACTION</a> )	1..1

## 2.15 VACCINE CANCELLATION ENTRY

### Identification


<b>Label</b>	VACCINE CANCELLATION ENTRY
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16762
<b>OID</b>	1.2.36.1.2001.1001.101.101.16762

### Definition



<b>Definition</b>	A section to hold details of the cancellation of the administration of a vaccine.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY</a>	0..1

#### Children

Data Type	Name	Occurrences
	Vaccine Cancellation ( <a href="#">MEDICATION ACTION</a> )	1..1
	<a href="#">VACCINE CANCELLATION REASON</a>	0..*

# 2.16 AUSTRALIAN ORGAN DONOR REGISTER DECISION INFORMATION

## Identification

<b>Label</b>	AUSTRALIAN ORGAN DONOR REGISTER DECISION INFORMATION
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16774
<b>OID</b>	1.2.36.1.2001.1001.101.101.16774

## Definition


<b>Definition</b>	Information about the individual's organ and tissue donation decisions, held by the Department of Human Services, for use within the Australian Organ Donor Register.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Usage


<b>Conditions of Use</b>	Each instance of this section <b>SHALL</b> contain either exactly one instance of <i>EXCLUSION STATEMENT</i> or exactly one instance of <i>AUSTRALIAN ORGAN DONOR REGISTER DETAILS</i> .  This section <b>SHALL NOT</b> contain both an instance of <i>EXCLUSION STATEMENT</i> and an instance of <i>AUSTRALIAN ORGAN DONOR REGISTER DETAILS</i> .
<b>Conditions of Use Source</b>	NEHTA

## Relationships





### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE OVERVIEW</a>	0..1

### Children

Data Type	Name	Occurrences
	<a href="#">EXCLUSION STATEMENT</a>	0..1



Data Type	Name	Occurrences
	<a href="#">AUSTRALIAN ORGAN DONOR REGISTER DETAILS</a>	0..1
	Australian Organ Donor Register Information Instance Identifier	0..0
	LINK	0..0
	Section Identifier	0..0

# 2.17 AUSTRALIAN ORGAN DONOR REGISTER DETAILS

## Identification


<b>Label</b>	AUSTRALIAN ORGAN DONOR REGISTER DETAILS
<b>Metadata Type</b>	Section
<b>Identifier</b>	S-16670
<b>OID</b>	1.2.36.1.2001.1001.101.101.16670

## Definition





<b>Definition</b>	Information held by the Department of Human Services about an individual's organ and tissue donation decisions, for use within the Australian Organ Donor Register (AODR).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN ORGAN DONOR REGISTER DECISION INFORMATION</a>	0..1

### Children

Data Type	Name	Occurrences
	<a href="#">AUSTRALIAN ORGAN DONOR REGISTER ENTRY</a>	1..1
	Australian Organ Donor Register Details Instance Identifier	0..0
	Australian Organ Donor Register Details Document Link ( <a href="#">LINK</a> )	1..1
	Section Identifier	0..0

# 3 Medicare Overview Exclusion Statement Detailed Clinical Model

This chapter describes a re-use of version 1.1 of the Exclusion Statement Detailed Clinical Model.

## 3.1 Purpose

To positively record the absence or exclusion of any clinical findings or evaluations within the health record.

## 3.2 Use

Use to record the positive exclusion or absence of clinical findings or evaluations within the health record. This DCM avoids the need to use terminology to express negation about any item within the health record. Specialisations of this DCM will capture specific and more detailed information about common exclusions, such as problems or diagnoses. This DCM has been deliberately kept simple and open in order to capture simple statements about anything that may be usefully recorded as absent or excluded within the health record.

## 3.3 Misuse

Do not use to record the exclusion or absence of adverse reactions, problems, diagnoses or interventions (procedures) - use specific specialisations of this DCM in these situations.

# 3.4 EXCLUSION STATEMENT

## Identification


<b>Label</b>	Medicare Overview Exclusion Statement
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16134
<b>OID</b>	1.2.36.1.2001.1001.101.102.16134

## Definition







<b>Definition</b>	An explicit statement about the absence of information.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE OVERVIEW	0..1

### Children

Data Type	Name	Occurrences
	General Statement	1..1
	INFORMATION-PROVIDER	0..0
	SUBJECT	0..0
	Exclusion Statement Instance Identifier	0..0
	LINK	0..0
	Detailed Clinical Model Identifier	0..0

## 3.5 General Statement

### Identification

<b>Label</b>	General Statement
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16135
<b>OID</b>	1.2.36.1.2001.1001.101.103.16135

### Definition


<b>Definition</b>	A general statement about the absence or exclusion of data values.
<b>Definition Source</b>	openEHR Foundation
<b>Synonymous Names</b>	
<b>Context</b>	Any information required to be explicitly recorded as being absent or excluded within the record.
<b>Context Source</b>	openEHR Foundation
<b>Data Type</b>	Text

### Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Medicare Overview Exclusion Statement ( <a href="#">EXCLUSION STATEMENT</a> )	1..1

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# 4 Exclusion Statement Detailed Clinical Model

This chapter describes a re-use of version 1.1 of the Exclusion Statement Detailed Clinical Model.

## 4.1 Purpose

To positively record the absence or exclusion of any clinical findings or evaluations within the health record.

## 4.2 Use

Use to record the positive exclusion or absence of clinical findings or evaluations within the health record. This DCM avoids the need to use terminology to express negation about any item within the health record. Specialisations of this DCM will capture specific and more detailed information about common exclusions, such as problems or diagnoses. This DCM has been deliberately kept simple and open in order to capture simple statements about anything that may be usefully recorded as absent or excluded within the health record.

## 4.3 Misuse

Do not use to record the exclusion or absence of adverse reactions, problems, diagnoses or interventions (procedures) - use specific specialisations of this DCM in these situations.

## 4.4 EXCLUSION STATEMENT

### Identification


<b>Label</b>	EXCLUSION STATEMENT
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16134
<b>OID</b>	1.2.36.1.2001.1001.101.102.16134

### Definition







<b>Definition</b>	An explicit statement about the absence of information about documents.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE/DVA FUNDED SERVICES HISTORY	0..1

#### Children

Data Type	Name	Occurrences
	General Statement	1..1
	INFORMATION-PROVIDER	0..0
	SUBJECT	0..0
	Exclusion-Statement Instance Identifier	0..0
	LINK	0..0
	Detailed-Clinical Model Identifier	0..0



## 4.5 General Statement

### Identification

<b>Label</b>	General Statement
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16135
<b>OID</b>	1.2.36.1.2001.1001.101.103.16135

### Definition


<b>Definition</b>	A general statement about the absence or exclusion of data values.
<b>Definition Source</b>	openEHR Foundation
<b>Synonymous Names</b>	
<b>Context</b>	Any information required to be explicitly recorded as being absent or excluded within the record.
<b>Context Source</b>	openEHR Foundation
<b>Data Type</b>	Text

### Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">EXCLUSION STATEMENT</a>	1..1

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# 5 Medicare/DVA Funded Service Detailed Clinical Model

This chapter describes a re-use of version 1.0 of the Medicare/DVA Funded Service Detailed Clinical Model.

## 5.1 Purpose

To provide information held by the Department of Human Services about Medicare and the Department of Veterans' Affairs (DVA) funded services provided to an individual.

## 5.2 Use

Use to display or share, in the PCEHR and related applications, information about Medicare and the Department of Veterans' Affairs (DVA) funded services that have been provided to an individual.

# 5.3 MEDICARE/DVA FUNDED SERVICE

## Identification


<b>Label</b>	MEDICARE/DVA FUNDED SERVICE
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16639
<b>OID</b>	1.2.36.1.2001.1001.101.102.16639

## Definition







<b>Definition</b>	Information held by the Department of Human Services about a healthcare service provided to an individual that has been funded in part or in full by Medicare or the Department of Veterans' Affairs (DVA).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is the service for which funding was claimed and not necessarily the actual service that was supplied.





## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE/DVA FUNDED SERVICES	1..*

### Children

Data Type	Name	Occurrences
	Date of Service	1..1
	Medicare MBS/DVA Item	1..1
	Service in Hospital Indicator	0..1
	SERVICE REQUESTER	0..1
	SERVICE PROVIDER	0..1
	INFORMATION PROVIDER	0..0

Data Type	Name	Occurrences
	SUBJECT	0..0
	Medicare/DVA Funded Service Instance Identifier	0..0
	Medicare/DVA Funded Service Document Link ( <a href="#">LINK</a> )	1..1
	Detailed Clinical Model Identifier	0..0

# 5.4 Date of Service

## Identification

<b>Label</b>	Date of Service
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16640
<b>OID</b>	1.2.36.1.2001.1001.101.103.16640

## Definition


<b>Definition</b>	The recorded date the service was supplied.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	DateTime

## Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE/DVA FUNDED SERVICE	1..1

## 5.5 Medicare MBS/DVA Item

### Identification

<b>Label</b>	Medicare MBS/DVA Item
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16641
<b>OID</b>	1.2.36.1.2001.1001.101.103.16641

### Definition


<b>Definition</b>	The Medicare MBS or DVA item number and a short description of the service provided.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Please note that the item number of the service provided and a short description of the service are both mapped to this element.
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	<a href="#">Medicare MBS/DVA Item Values</a>

### Usage

<b>Examples</b>	
-----------------	--

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">MEDICARE/DVA FUNDED SERVICE</a>	1..1

## 5.6 Medicare MBS/DVA Item Values

### Identification

<b>Label</b>	Medicare MBS/DVA Item Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16641
<b>OID</b>	1.2.36.1.2001.1001.101.104.16641

### Definition


<b>Definition</b>	A list of values that combine the item number and a short description of the service provided, under either the Medicare or DVA benefits schedule.
<b>Definition Source</b>	NEHTA
<b>Notes</b>	These values are to be derived from the Medicare and DVA benefits schedules.

### Value Domain

<b>Source</b>	NEHTA
---------------	-------

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">Medicare MBS/DVA Item</a>	1..1



## 5.7 Service in Hospital Indicator

### Identification

<b>Label</b>	Service in Hospital Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16642
<b>OID</b>	1.2.36.1.2001.1001.101.103.16642

### Definition


<b>Definition</b>	Indicator to show whether the service was provided in a hospital.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This indicator is true if the service was provided in a hospital.
<b>Data Type</b>	Boolean

### Usage

Examples

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE/DVA FUNDED SERVICE	0..1

## 5.8 SERVICE REQUESTER

### Identification

<b>Label</b>	SERVICE REQUESTER
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-10296
<b>OID</b>	1.2.36.1.2001.1001.101.102.10296

### Definition

<b>Definition</b>	The clinician or other healthcare specialist who requested the service.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	


### Usage

<b>Conditions of Use</b>	<p>This is a reuse of the <i>PARTICIPATION</i> data group, which is described in <a href="#">Participation Data Specification [NEHT2011v]</a>.</p> <p>The following constraints are additional to those specified in <a href="#">Participation Data Specification [NEHT2011v]</a>. Constraints are explained in <a href="#">Appendix C, Specification Guide for Use</a>.</p> <p>Additional obligation and occurrence constraints:</p> <ul style="list-style-type: none"> <li>• LOCATION OF PARTICIPATION is <b>PROHIBITED</b>.</li> <li>• Relationship to Subject of Care is <b>PROHIBITED</b>.</li> <li>• DEMOGRAPHIC DATA is <b>PROHIBITED</b>.</li> <li>• Employment Type is <b>PROHIBITED</b>.</li> <li>• Occupation is <b>PROHIBITED</b>.</li> <li>• Position in Organisation is <b>PROHIBITED</b>.</li> <li>• ENTITLEMENT is <b>PROHIBITED</b>.</li> <li>• Qualifications is <b>PROHIBITED</b>.</li> </ul> <p>Other additional constraints:</p> <ul style="list-style-type: none"> <li>• Participation Type <b>SHALL</b> have an implementation-specific value of equivalent to “Service Requester”.</li> <li>• Role <b>SHOULD</b> have a value chosen from <a href="#">1220.0 - ANZSCO - Australian and New Zealand Standard Classification of Occupations, First Edition, Revision 1 [ABS2009]</a>. However, if a suitable value in this set cannot be found, then any code set that is both registered with HL7 and publicly available <b>MAY</b> be used.</li> </ul>
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<b>Conditions of Use Source</b>	<ul style="list-style-type: none"> <li>PERSON OR ORGANISATION OR DEVICE <b>SHALL</b> be instantiated as a PERSON.</li> </ul>
	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE/DVA FUNDED SERVICE	0..1

## 5.9 SERVICE PROVIDER

### Identification

<b>Label</b>	SERVICE PROVIDER
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-10296
<b>OID</b>	1.2.36.1.2001.1001.101.102.10296

### Definition

<b>Definition</b>	The individual who provided the service.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This item captures identification information on the healthcare provider who provided the service under the MBS/DVA benefits scheme.

### Usage


<b>Conditions of Use</b>	<p>This is a reuse of the <i>PARTICIPATION</i> data group, which is described in <a href="#">Participation Data Specification [NEHT2011v]</a>.</p> <p>The following constraints are additional to those specified in <a href="#">Participation Data Specification [NEHT2011v]</a>. Constraints are explained in <a href="#">Appendix C, Specification Guide for Use</a>.</p> <p>Additional obligation and occurrence constraints:</p> <ul style="list-style-type: none"> <li>• LOCATION OF PARTICIPATION is <b>PROHIBITED</b>.</li> <li>• Relationship to Subject of Care is <b>PROHIBITED</b>.</li> <li>• DEMOGRAPHIC DATA is <b>PROHIBITED</b>.</li> <li>• ENTITLEMENT is <b>PROHIBITED</b>.</li> <li>• Qualifications is <b>PROHIBITED</b>.</li> </ul> <p>Other additional constraints:</p> <ul style="list-style-type: none"> <li>• Participation Type <b>SHALL</b> have an implementation-specific value equivalent to "Service Provider".</li> <li>• Role <b>SHOULD</b> have a value chosen from <a href="#">1220.0 - ANZSCO - Australian and New Zealand Standard Classification of Occupations, First Edition, Revision 1 [ABS2009]</a>. However, if a suitable value in this set cannot be found, then any code set that is both registered with HL7 and publicly available <b>MAY</b> be used.</li> <li>• PERSON OR ORGANISATION OR DEVICE <b>SHALL</b> be instantiated as a PERSON.</li> </ul>
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**Conditions of  
Use Source**

NEHTA

## Relationships

### Parents

<b>Data Type</b>	<b>Name</b>	<b>Occurrences</b> (child within parent)
	MEDICARE/DVA FUNDED SERVICE	0..1

# 5.10 LINK

## Identification

<b>Label</b>	Medicare/DVA Funded Service Document Link
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16692
<b>OID</b>	1.2.36.1.2001.1001.101.102.16692

## Definition


<b>Definition</b>	A link to an instance of another Detailed Clinical Model (DCM) or a document containing an instance of another DCM.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Links may be to structures inside the enclosing document or inside other documents.

## Usage



<b>Conditions of Use</b>	The link <b>SHALL</b> point to an external document.
<b>Conditions of Use Source</b>	NEHTA



# Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	MEDICARE/DVA FUNDED SERVICE	1..1

### Children

Data Type	Name	Occurrences
	Link Nature	1..1
	Link Role	0..1

Data Type	Name	Occurrences
 	Target Document ( <a href="#">Link Target</a> )	1..1

# 5.11 Link Nature

## Identification

<b>Label</b>	Link Nature
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16698
<b>OID</b>	1.2.36.1.2001.1001.101.103.16698

## Definition


<b>Definition</b>	The general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs or document. This attribute is intended to be a coarse-grained category that can be used to enable interoperability between sender and receiver.
<b>Data Type</b>	CodedText
<b>Value Domain</b>	<a href="#">Link Nature Values</a>

## Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E0 (“is a related documentation”).
<b>Conditions of Use Source</b>	NEHTA

# Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Medicare/DVA Funded Service Document Link ( <a href="#">LINK</a> )	1..1



## 5.12 Link Nature Values

### Identification

<b>Label</b>	Link Nature Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16698
<b>OID</b>	1.2.36.1.2001.1001.101.104.16698

### Definition

<b>Definition</b>	The set of values for the general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA


### Value Domain

<b>Source</b>	ISO 13606-3:2009	
<b>Permissible Values</b>	The permissible values are those specified in Termlist LINK_NATURE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> . They are listed here.	
	LINK-A0, is related to	A generic category for any Link, the details of which will be given by the value of Link Role.
	LINK-B0, is confirmed by or authorised by	The target link contains [an instance of a DCM or document] that acts as the legal or clinical basis for the activity documented in the source [DCM instance], or is a declaration of intent to provide (or not to provide) requested care. This Link is to be used to connect two [DCM instances or DCM and document], as opposed to the inclusion of a corroborating or authorising participant as an identified party within a single [DCM instance or document].
	LINK-C0, is related to the same problem or health issue	The target [instance of a DCM or document] documents health or health care that pertains to the same clinical situation as the source [DCM instance]. One of the two might be defining a problem for which the other is a manifestation, or the relationship might for example be cause and effect, stages in an evolving clinical history, a different interpretation of an observation, a clinical indication or contraindication.
	LINK-D0, is related to the same care plan, act or episode	The source and the target [instances of DCM or documents] are each documenting parts of the same care plan, act or episode. One of the

	<p>LINK-E0, is a related documentation</p>	<p>two might be defining the same care plan, act or episode, or both might be related milestones.</p> <p>The target [instance of a DCM or document] is an alternative documentary form of the source [DCM instance], such as re-expression of the same clinical information or additional supplementary explanatory information.</p>
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Nature	1..1

## 5.13 Link Role

### Identification

<b>Label</b>	Link Role
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16699
<b>OID</b>	1.2.36.1.2001.1001.101.103.16699

### Definition


<b>Definition</b>	The detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs. This attribute provides for a specific description of the actual role played by the target in relation to the source. This attribute may be populated from any suitable terminology, and therefore might support human readership better than interoperable automated processing.
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	<a href="#">Link Role Values</a>

### Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E4 (“excerpts”).
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Medicare/DVA Funded Service Document Link ( <a href="#">LINK</a> )	0..1

## 5.14 Link Role Values

### Identification

<b>Label</b>	Link Role Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16699
<b>OID</b>	1.2.36.1.2001.1001.101.104.16699

### Definition

<b>Definition</b>	The set of values for the detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Context</b>	These values are used within the context of values from <i>Link Role</i> . They provide greater specificity and may be selected more for human readership than for interoperable automated processing.
<b>Context Source</b>	NEHTA

### Value Domain

<b>Source</b>	ISO 13606-3:2009										
<b>Permissible Values</b>	<p>Values <b>SHOULD</b> be from Termlist LINK_ROLE in ISO 13606-3:2009 <a href="#">[ISO2009a]</a>.</p> <p>Values <b>MAY</b> be from any suitable terminology.</p> <p>Some values from Termlist LINK_ROLE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> are:</p> <table border="1"> <tr> <td>LINK-A1, unspecified link</td> <td>The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.</td> </tr> <tr> <td>LINK-A2, suggests</td> <td>The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.</td> </tr> <tr> <td>LINK-B1, endorses</td> <td>The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-C3, evidence for</td> <td>The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-D1, outcome</td> <td>The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.</td> </tr> </table>	LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.	LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.	LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.	LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.	LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.
LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.										
LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.										
LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.										
LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.										
LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.										


	LINK-E1, documented by	A clinical situation documented in the source component is more formally documented in the target component.
	LINK-E4, excerpts	The source component is an extract (copy) of part or all of the information contained within the target component.

## Usage

<b>Conditions of Use</b>	Each of the link terms in LINK_ROLE from ISO 13606-3:2009 is a sub-category of a corresponding term in <i>Link Nature Values</i> , where that correspondence is indicated by the first letter after the code string "LINK-" e.g. the term LINK-A1 is a subcategory of term LINK-A0. If a term in this list is used for the <i>Link Role</i> data element, the appropriate corresponding value <b>SHALL</b> be used from <i>Link Nature Values</i> .
<b>Conditions of Use Source</b>	ISO 13606-3:2009

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Role	1..1

# 5.15 Link Target

## Identification

<b>Label</b>	Target Document
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16700
<b>OID</b>	1.2.36.1.2001.1001.101.103.16700

## Definition


<b>Definition</b>	The logical “to” object in the link relation, as per the linguistic sense of the <i>Link Nature</i> data element (and, if present, the <i>Link Role</i> data element).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Link UniquelIdentifier

## Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Medicare/DVA Funded Service Document Link ( <a href="#">LINK</a> )	1..1

# 6 Exclusion Statement Detailed Clinical Model

This chapter describes a re-use of version 1.1 of the Exclusion Statement Detailed Clinical Model.

## 6.1 Purpose

To positively record the absence or exclusion of any clinical findings or evaluations within the health record.

## 6.2 Use

Use to record the positive exclusion or absence of clinical findings or evaluations within the health record. This DCM avoids the need to use terminology to express negation about any item within the health record. Specialisations of this DCM will capture specific and more detailed information about common exclusions, such as problems or diagnoses. This DCM has been deliberately kept simple and open in order to capture simple statements about anything that may be usefully recorded as absent or excluded within the health record.

## 6.3 Misuse

Do not use to record the exclusion or absence of adverse reactions, problems, diagnoses or interventions (procedures) - use specific specialisations of this DCM in these situations.

## 6.4 EXCLUSION STATEMENT

### Identification


<b>Label</b>	EXCLUSION STATEMENT
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16134
<b>OID</b>	1.2.36.1.2001.1001.101.102.16134

### Definition







<b>Definition</b>	An explicit statement about the absence of information about documents.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	PHARMACEUTICAL BENEFITS HISTORY	0..1

#### Children

Data Type	Name	Occurrences
	General Statement	1..1
	INFORMATION PROVIDER	0..0
	SUBJECT	0..0
	Exclusion Statement Instance Identifier	0..0
	LINK	0..0
	Detailed Clinical Model Identifier	0..0



## 6.5 General Statement

### Identification

<b>Label</b>	General Statement
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16135
<b>OID</b>	1.2.36.1.2001.1001.101.103.16135

### Definition


<b>Definition</b>	A general statement about the absence or exclusion of data values.
<b>Definition Source</b>	openEHR Foundation
<b>Synonymous Names</b>	
<b>Context</b>	Any information required to be explicitly recorded as being absent or excluded within the record.
<b>Context Source</b>	openEHR Foundation
<b>Data Type</b>	Text

### Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">EXCLUSION STATEMENT</a>	1..1

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# 7 Pharmaceutical Benefit Item Detailed Clinical Model

This chapter describes a re-use of version 1.0 of the Pharmaceutical Benefit Item Detailed Clinical Model.

## 7.1 Purpose

Information held by the Department of Human Services about pharmaceutical items prescribed and dispensed to an individual.

## 7.2 Use

Use to display or share, in the PCEHR and related applications, information about pharmaceutical items prescribed and dispensed to an individual.

# 7.3 PHARMACEUTICAL BENEFIT ITEM

## Identification


<b>Label</b>	PHARMACEUTICAL BENEFIT ITEM
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16674
<b>OID</b>	1.2.36.1.2001.1001.101.102.16674

## Definition







<b>Definition</b>	Information held by the Department of Human Services about a pharmaceutical item prescribed and dispensed to an individual and partially or fully funded under the Pharmaceutical Benefits Scheme (PBS) or Repatriation Pharmaceutical Benefits Scheme (RPBS).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is the pharmaceutical item for which funding was claimed and not necessarily the actual pharmaceutical item that was supplied.









## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	PHARMACEUTICAL BENEFIT ITEMS	1..*

### Children

Data Type	Name	Occurrences
	PBS/RPBS Item Code	1..1
	PBS/RPBS Manufacturer Code	0..1
	Brand (Pharmaceutical Item Brand)	1..1
	Item Generic Name (Pharmaceutical Item Generic Name)	1..1
	Item Form and Strength (Pharmaceutical Item Form and Strength)	1..1
	Date of Supply	1..1

Data Type	Name	Occurrences
	Date of Prescribing	1..1
	Quantity	1..1
	Number of Repeats	1..1
	INFORMATION PROVIDER	0..0
	SUBJECT	0..0
	Pharmaceutical Benefit Item Instance Identifier	0..0
	Pharmaceutical Benefit Item Document Link ( <a href="#">LINK</a> )	1..1
	Detailed Clinical Model Identifier	0..0

# 7.4 PBS/RPBS Item Code

## Identification

<b>Label</b>	PBS/RPBS Item Code
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16062
<b>OID</b>	1.2.36.1.2001.1001.101.103.16062

## Definition


<b>Definition</b>	Administrative code and short description of the pharmaceutical item supplied.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	<p>This element is to be used to assist with claims processing.</p> <p>This would typically be used for the PBS Scheduled Item Code, which is a Department of Health and Ageing allocated detailed code that specifies the use and funding about the use of a particular medication.</p>
<b>Data Type</b>	CodedText
<b>Value Domain</b>	<a href="#">PBS/RPBS Item Code Values</a>

## Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PHARMACEUTICAL BENEFIT ITEM</a>	1..1

## 7.5 PBS/RPBS Item Code Values

### Identification

<b>Label</b>	PBS/RPBS Item Code Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16645
<b>OID</b>	1.2.36.1.2001.1001.101.104.16645

### Definition


<b>Definition</b>	The set of item codes (and associated short descriptions) contained in the PBS Schedule list.
<b>Definition Source</b>	NEHTA

### Value Domain

<b>Source</b>	Department of Health and Ageing, PBS Schedule item code.
---------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
 001011001	<a href="#">PBS/RPBS Item Code</a>	1..1

# 7.6 PBS/RPBS Manufacturer Code

## Identification

<b>Label</b>	PBS/RPBS Manufacturer Code
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16675
<b>OID</b>	1.2.36.1.2001.1001.101.103.16675

## Definition


<b>Definition</b>	The PBS-assigned administrative code identifying the manufacturer of the pharmaceutical item supplied.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This element is to be used to assist with claims processing.
<b>Data Type</b>	CodedText
<b>Value Domain</b>	<a href="#">PBS/RPBS Manufacturer Code Values</a>

## Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PHARMACEUTICAL BENEFIT ITEM</a>	0..1



## 7.7 PBS/RPBS Manufacturer Code Values

### Identification

<b>Label</b>	PBS/RPBS Manufacturer Code Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16647
<b>OID</b>	1.2.36.1.2001.1001.101.104.16647

### Definition


<b>Definition</b>	The set of values derived from the PBS manufacturer code.
<b>Definition Source</b>	NEHTA

### Value Domain

<b>Source</b>	Department of Health and Ageing, PBS manufacturer code.
---------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PBS/RPBS Manufacturer Code</a>	1..1

# 7.8 Pharmaceutical Item Brand

## Identification

<b>Label</b>	Brand
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16703
<b>OID</b>	1.2.36.1.2001.1001.101.103.16703

## Definition


<b>Definition</b>	The brand of the pharmaceutical item supplied.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Text

## Usage

<b>Examples</b>	1. Amoxil (Trade Product of Medicinal Product Amoxycillin)
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PHARMACEUTICAL BENEFIT ITEM</a>	1..1

## 7.9 Pharmaceutical Item Generic Name

### Identification

<b>Label</b>	Item Generic Name
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16676
<b>OID</b>	1.2.36.1.2001.1001.101.103.16676

### Definition


<b>Definition</b>	The generic name of the item supplied.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Text

### Usage

<b>Examples</b>	1. Amoxicillin
-----------------	----------------

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	PHARMACEUTICAL BENEFIT ITEM	1..1

# 7.10 Pharmaceutical Item Form and Strength

## Identification

<b>Label</b>	Item Form and Strength
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16677
<b>OID</b>	1.2.36.1.2001.1001.101.103.16677

## Definition


<b>Definition</b>	The form and strength of the item supplied.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Text

## Usage

<b>Examples</b>	1. Capsules 500mg
-----------------	-------------------

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	PHARMACEUTICAL BENEFIT ITEM	1..1

## 7.11 Date of Supply

### Identification

<b>Label</b>	Date of Supply
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16678
<b>OID</b>	1.2.36.1.2001.1001.101.103.16678

### Definition


<b>Definition</b>	The recorded date the pharmaceutical item was supplied.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is essentially the date of dispense. The PBS system does not record the date the item/s was actually collected by patient.
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PHARMACEUTICAL BENEFIT ITEM</a>	1..1

## 7.12 Date of Prescribing

### Identification

<b>Label</b>	Date of Prescribing
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16679
<b>OID</b>	1.2.36.1.2001.1001.101.103.16679

### Definition


<b>Definition</b>	The date the pharmaceutical item was prescribed.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	PHARMACEUTICAL BENEFIT ITEM	1..1

## 7.13 Quantity

### Identification

<b>Label</b>	Quantity
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-10145
<b>OID</b>	1.2.36.1.2001.1001.101.103.10145

### Definition


<b>Definition</b>	The number of doses or physical amount of the therapeutic good.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Quantity

### Usage

<b>Examples</b>	1. 20 capsules
-----------------	----------------

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PHARMACEUTICAL BENEFIT ITEM</a>	1..1

## 7.14 Number of Repeats

### Identification

<b>Label</b>	Number of Repeats
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-10169
<b>OID</b>	1.2.36.1.2001.1001.101.103.10169

### Definition


<b>Definition</b>	The number of repeats of the prescription that have been authorised by the prescriber for a given medication.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Integer

### Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	PHARMACEUTICAL BENEFIT ITEM	1..1



## 7.15 LINK

### Identification

<b>Label</b>	Pharmaceutical Benefit Item Document Link
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16692
<b>OID</b>	1.2.36.1.2001.1001.101.102.16692

### Definition


<b>Definition</b>	A link to an instance of another Detailed Clinical Model (DCM) or a document containing an instance of another DCM.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Links may be to structures inside the enclosing document or inside other documents.

### Usage



<b>Conditions of Use</b>	The link <b>SHALL</b> point to an external document.
<b>Conditions of Use Source</b>	NEHTA



## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">PHARMACEUTICAL BENEFIT ITEM</a>	1..1

#### Children

Data Type	Name	Occurrences
	<a href="#">Link Nature</a>	1..1
	<a href="#">Link Role</a>	0..1

Data Type	Name	Occurrences
 	Target Document ( <a href="#">Link Target</a> )	1..1

## 7.16 Link Nature

### Identification

<b>Label</b>	Link Nature
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16698
<b>OID</b>	1.2.36.1.2001.1001.101.103.16698

### Definition


<b>Definition</b>	The general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs or document. This attribute is intended to be a coarse-grained category that can be used to enable interoperability between sender and receiver.
<b>Data Type</b>	CodedText
<b>Value Domain</b>	<a href="#">Link Nature Values</a>

### Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E0 (“is a related documentation”).
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Pharmaceutical Benefit Item Document Link ( <a href="#">LINK</a> )	1..1

# 7.17 Link Nature Values

## Identification

<b>Label</b>	Link Nature Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16698
<b>OID</b>	1.2.36.1.2001.1001.101.104.16698

## Definition

<b>Definition</b>	The set of values for the general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA


## Value Domain

<b>Source</b>	ISO 13606-3:2009	
<b>Permissible Values</b>	The permissible values are those specified in Termlist LINK_NATURE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> . They are listed here.	
	LINK-A0, is related to	A generic category for any Link, the details of which will be given by the value of Link Role.
	LINK-B0, is confirmed by or authorised by	The target link contains [an instance of a DCM or document] that acts as the legal or clinical basis for the activity documented in the source [DCM instance], or is a declaration of intent to provide (or not to provide) requested care. This Link is to be used to connect two [DCM instances or DCM and document], as opposed to the inclusion of a corroborating or authorising participant as an identified party within a single [DCM instance or document].
	LINK-C0, is related to the same problem or health issue	The target [instance of a DCM or document] documents health or health care that pertains to the same clinical situation as the source [DCM instance]. One of the two might be defining a problem for which the other is a manifestation, or the relationship might for example be cause and effect, stages in an evolving clinical history, a different interpretation of an observation, a clinical indication or contraindication.
	LINK-D0, is related to the same care plan, act or episode	The source and the target [instances of DCM or documents] are each documenting parts of the same care plan, act or episode. One of the

	<p>LINK-E0, is a related documentation</p>	<p>two might be defining the same care plan, act or episode, or both might be related milestones.</p> <p>The target [instance of a DCM or document] is an alternative documentary form of the source [DCM instance], such as re-expression of the same clinical information or additional supplementary explanatory information.</p>
--	--	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Nature	1..1

# 7.18 Link Role

## Identification

<b>Label</b>	Link Role
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16699
<b>OID</b>	1.2.36.1.2001.1001.101.103.16699

## Definition


<b>Definition</b>	The detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs. This attribute provides for a specific description of the actual role played by the target in relation to the source. This attribute may be populated from any suitable terminology, and therefore might support human readership better than interoperable automated processing.
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	<a href="#">Link Role Values</a>

## Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E4 (“excerpts”).
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Pharmaceutical Benefit Item Document Link ( <a href="#">LINK</a> )	0..1

## 7.19 Link Role Values

### Identification

<b>Label</b>	Link Role Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16699
<b>OID</b>	1.2.36.1.2001.1001.101.104.16699

### Definition

<b>Definition</b>	The set of values for the detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Context</b>	These values are used within the context of values from <i>Link Role</i> . They provide greater specificity and may be selected more for human readership than for interoperable automated processing.
<b>Context Source</b>	NEHTA

### Value Domain

<b>Source</b>	ISO 13606-3:2009										
<b>Permissible Values</b>	<p>Values <b>SHOULD</b> be from Termlist LINK_ROLE in ISO 13606-3:2009 <a href="#">[ISO2009a]</a>.</p> <p>Values <b>MAY</b> be from any suitable terminology.</p> <p>Some values from Termlist LINK_ROLE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> are:</p> <table> <tr> <td>LINK-A1, unspecified link</td> <td>The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.</td> </tr> <tr> <td>LINK-A2, suggests</td> <td>The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.</td> </tr> <tr> <td>LINK-B1, endorses</td> <td>The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-C3, evidence for</td> <td>The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-D1, outcome</td> <td>The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.</td> </tr> </table>	LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.	LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.	LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.	LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.	LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.
LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.										
LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.										
LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.										
LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.										
LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.										


	LINK-E1, documented by	A clinical situation documented in the source component is more formally documented in the target component.
	LINK-E4, excerpts	The source component is an extract (copy) of part or all of the information contained within the target component.

## Usage

<b>Conditions of Use</b>	Each of the link terms in LINK_ROLE from ISO 13606-3:2009 is a sub-category of a corresponding term in <i>Link Nature Values</i> , where that correspondence is indicated by the first letter after the code string "LINK-" e.g. the term LINK-A1 is a subcategory of term LINK-A0. If a term in this list is used for the <i>Link Role</i> data element, the appropriate corresponding value <b>SHALL</b> be used from <i>Link Nature Values</i> .
<b>Conditions of Use Source</b>	ISO 13606-3:2009

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Role	1..1



## 7.20 Link Target

### Identification

<b>Label</b>	Target Document
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16700
<b>OID</b>	1.2.36.1.2001.1001.101.103.16700

### Definition


<b>Definition</b>	The logical “to” object in the link relation, as per the linguistic sense of the <i>Link Nature</i> data element (and, if present, the <i>Link Role</i> data element).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Link UniqueIdentifier

### Usage

#### Examples

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	Pharmaceutical Benefit Item Document Link ( <a href="#">LINK</a> )	1..1

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# 8 Exclusion Statement Detailed Clinical Model

This chapter describes a re-use of version 1.1 of the Exclusion Statement Detailed Clinical Model.

## 8.1 Purpose

To positively record the absence or exclusion of any clinical findings or evaluations within the health record.

## 8.2 Use

Use to record the positive exclusion or absence of clinical findings or evaluations within the health record. This DCM avoids the need to use terminology to express negation about any item within the health record. Specialisations of this DCM will capture specific and more detailed information about common exclusions, such as problems or diagnoses. This DCM has been deliberately kept simple and open in order to capture simple statements about anything that may be usefully recorded as absent or excluded within the health record.

## 8.3 Misuse

Do not use to record the exclusion or absence of adverse reactions, problems, diagnoses or interventions (procedures) - use specific specialisations of this DCM in these situations.

## 8.4 EXCLUSION STATEMENT

### Identification


<b>Label</b>	EXCLUSION STATEMENT
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16134
<b>OID</b>	1.2.36.1.2001.1001.101.102.16134

### Definition







<b>Definition</b>	An explicit statement about the absence of information about documents.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY	0..1

#### Children

Data Type	Name	Occurrences
	General Statement	1..1
	INFORMATION-PROVIDER	0..0
	SUBJECT	0..0
	Exclusion-Statement Instance Identifier	0..0
	LINK	0..0
	Detailed-Clinical Model Identifier	0..0

## 8.5 General Statement

### Identification

<b>Label</b>	General Statement
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16135
<b>OID</b>	1.2.36.1.2001.1001.101.103.16135

### Definition


<b>Definition</b>	A general statement about the absence or exclusion of data values.
<b>Definition Source</b>	openEHR Foundation
<b>Synonymous Names</b>	
<b>Context</b>	Any information required to be explicitly recorded as being absent or excluded within the record.
<b>Context Source</b>	openEHR Foundation
<b>Data Type</b>	Text

### Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">EXCLUSION STATEMENT</a>	1..1

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# 9 Vaccine Administration Detailed Clinical Model

This chapter describes a re-use of version 4.0 of the Medication Action Detailed Clinical Model.

## 9.1 Purpose

The recording of activities undertaken with regard to a medicine, vaccine or other therapeutic good, and linking to the instruction if appropriate.

## 9.2 Use

For recording the planning, issuing of a prescription, dispensing, administration, cessation, suspension, completion of a medicine, vaccine or other therapeutic good. This will usually be in response to a medication order but may be administered immediately without an order at times, thus requiring recording of the administration alone (e.g. in an emergency situation). Such a record may be made to indicate the administration of a dose, dispensing of a certain quantity or as a record of ceasing a medication. The state of the medication instruction is altered by the action taken as indicated in the pathway definition.

There is a date and time at which this action took place (as there is for all actions) and use of this DCM indicates that some action has actually occurred.

## 9.3 Misuse

Use when recording an instruction or order (use Medication Instruction DCM).

# 9.4 MEDICATION ACTION

## Identification


<b>Label</b>	Vaccine Administration
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16210
<b>OID</b>	1.2.36.1.2001.1001.101.102.16210

## Definition








<b>Definition</b>	Details of the administration of a vaccine to the child.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Details of the item can include a description, duration and quantity of the medication and the dosage which should be administered.

## Relationships






















### Parents

Data Type	Name	Occurrences (child within parent)
	VACCINE ADMINISTRATION ENTRY	1..1

### Children

Data Type	Name	Occurrences
	Vaccine Type (Therapeutic Good Identification)	1..1
	Additional Medicine Detail (Additional Therapeutic Good Detail)	0..0
	Instructions to Subject of Care or Carer (Medication Action Instructions)	0..0
	Formula	0..0
	Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..0
	Medicare Antigen Code (Reason for Action)	0..*
	Quantity of Medication (AMOUNT OF MEDICATION)	0..0



Data Type	Name	Occurrences
	Comment (Medication Action Comment)	0..0
	Vaccine Dose Number (Sequence Number)	0..1
	Administration (MEDICATION ADMINISTRATION)	0..0
	Brand Substituted (Brand Substitution Occurred)	0..0
	Batchid (Batch Identifier)	0..0
	Date of Expiry (Expiry Date)	0..0
	DISPENSED TO	0..0
	Number of this Dispense	0..0
	Maximum Number of Repeats	0..0
	Claim Category	0..0
	Administrative Item Code	0..0
	Administrative Manufacturer Code	0..0
  	Administrative System Identifier	0..0
	INFORMATION PROVIDER	0..0
	SUBJECT	0..0
	Date Vaccination Received (Medication Action DateTime)	1..1
	Medication Action Instance Identifier	0..0
	LINK	0..0
	Detailed Clinical Model Identifier	0..0

## 9.5 Therapeutic Good Identification

### Identification

<b>Label</b>	Vaccine Type
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-10194
<b>OID</b>	1.2.36.1.2001.1001.101.103.10194

### Definition

<b>Definition</b>	The medicine, vaccine or other therapeutic good that was the focus of the action.
<b>Definition Source</b>	Therapeutic Goods Administration
<b>Synonymous Names</b>	Item Name
<b>Context</b>	This includes medications and medical devices. It includes drugs, appliances, dressings, and reagents.
<b>Context Source</b>	NEHTA
<b>Notes</b>	<p>Identifies a therapeutic good, which is broadly defined as a good which is represented in any way to be, or is likely to be taken to be, for therapeutic use (unless specifically excluded or included under Section 7 of the <i>Therapeutic Goods Act 1989</i>).</p> <p>Therapeutic use means use in or in connection with:</p> <ul style="list-style-type: none"> <li>• preventing, diagnosing, curing or alleviating a disease, ailment, defect or injury; or</li> <li>• influencing, inhibiting or modifying a physiological process; or</li> <li>• testing the susceptibility of persons to a disease or ailment; or</li> <li>• influencing, controlling or preventing conception; or</li> <li>• testing for pregnancy; or</li> <li>• replacement or modification of parts of the anatomy.</li> </ul> <p>From <a href="#">[TGA1989a]</a>.</p> <p>The formal definition of a therapeutic good (from the <i>Therapeutic Goods Act 1989</i>) can be found at: <a href="#">[TGA1989a]</a>.</p>
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	<a href="#">Medicines Terminology</a>


### Usage

<b>Conditions of Use</b>	Where the therapeutic good can be identified by an AMT (Australian Medicines Terminology) concept, the value of this data element <b>SHALL</b> be the AMT ConceptID and Preferred Term. For details see <a href="#">Medicines Terminology</a> .
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<b>Conditions of Use Source</b>	For items without an AMT code, the value from “Australian Vaccine Code” <b>SHOULD</b> be used. NEHTA
<b>Examples</b>	Some examples of AMT ConceptID and their AMT Preferred Term are: <ol style="list-style-type: none"> <li>926706011000036104  <i>Engerix-B Paediatric 10 microgram/0.5 mL injection: suspension, 1 x 0.5 mL syringe</i></li> <li>73900011000036106  <i>Liquid PedvaxHIB (Haemophilus influenza type b capsular polysaccharide vaccine 7.5 microgram/0.5 mL) injection: suspension, vial</i></li> <li>73949011000036106  <i>Priorix (measles virus (Schwarz) live attenuated vaccine 1000 CCID50 units + mumps virus (Jeryl Lynn, strain RIT 4385) live attenuated vaccine 5000 CCID50 units + rubella virus (Wistar RA 27/3) live attenuated vaccine 1000 CCID50 units) injection: powder for, vial</i></li> </ol>
<b>Misuse</b>	Detailing the formula of a compounded (extemporaneous) medication.

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Administration ( <a href="#">MEDICATION ACTION</a> )	1..1

## 9.6 Medicines Terminology

### Identification

<b>Label</b>	Medicines Terminology
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16115
<b>OID</b>	1.2.36.1.2001.1001.101.104.16115

### Definition


<b>Definition</b>	A set of values used to refer to medicines and other therapeutic goods.
<b>Definition Source</b>	NEHTA
<b>Notes</b>	<p>An explanation of AMT concepts can be found in <a href="#">Australian Medicines Terminology Editorial Rules (v2 model) [NEHT2011bs]</a>.</p> <p>Prescribing and dispensing use different sets of values.</p>

### Value Domain

<b>Source</b>	Australian Medicines Terminology
<b>Permissible Values</b>	<p>The permissible values are the members of the following seven AMT reference sets:</p> <ul style="list-style-type: none"> <li>• 929360061000036106  <i>Medicinal product reference set</i> </li> <li>• 929360081000036101  <i>Medicinal product pack reference set</i> </li> <li>• 929360071000036103  <i>Medicinal product unit of use reference set</i> </li> <li>• 929360021000036102  <i>Trade product reference set</i> </li> <li>• 929360041000036105  <i>Trade product pack reference set</i> </li> <li>• 929360031000036100  <i>Trade product unit of use reference set</i> </li> <li>• 929360051000036108  <i>Containerised trade product pack reference set</i> </li> </ul> <p>Reference set allowed in the context of administering is listed below.</p> <p>Administering:</p> <ul style="list-style-type: none"> <li>• 929360031000036100  <i>Trade product unit of use reference set</i> </li> </ul>

# Relationships

## Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Type ( <a href="#">Therapeutic Good Identification</a> )	1..1

## 9.7 Reason for Action

### Identification

<b>Label</b>	Medicare Antigen Code
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16492
<b>OID</b>	1.2.36.1.2001.1001.101.103.16492

### Definition


<b>Definition</b>	A description of the antigen, or one of the antigens, contained in the administered vaccine.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is not the reason for the medication instruction, rather it is the specific reason for the action, such as for administration of the medication.
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	Antigen codes and descriptions held by the Department of Human Services/Medicare to describe the antigens given in vaccines available in Australia.

### Usage

<b>Examples</b>	
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## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Administration ( <a href="#">MEDICATION ACTION</a> )	0..*

## 9.8 Sequence Number

### Identification

<b>Label</b>	Vaccine Dose Number
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16424
<b>OID</b>	1.2.36.1.2001.1001.101.103.16424

### Definition


<b>Definition</b>	The dose number of the provided vaccine.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Used to specify the sequence number of the dispensing (in a prescription with repeats) or medication administration action.
<b>Data Type</b>	Integer

### Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Administration ( <a href="#">MEDICATION ACTION</a> )	0..1

## 9.9 Medication Action DateTime

### Identification

<b>Label</b>	Date Vaccination Received
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16591
<b>OID</b>	1.2.36.1.2001.1001.101.103.16591

### Definition


<b>Definition</b>	The recorded date the vaccination item was supplied or administered.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Administration ( <a href="#">MEDICATION ACTION</a> )	1..1



# 10 Vaccine Cancellation Detailed Clinical Model

This chapter describes a re-use of version 4.0 of the Medication Action Detailed Clinical Model.

## 10.1 Purpose

The recording of activities undertaken with regard to a medicine, vaccine or other therapeutic good, and linking to the instruction if appropriate.

## 10.2 Use

For recording the planning, issuing of a prescription, dispensing, administration, cessation, suspension, completion of a medicine, vaccine or other therapeutic good. This will usually be in response to a medication order but may be administered immediately without an order at times, thus requiring recording of the administration alone (e.g. in an emergency situation). Such a record may be made to indicate the administration of a dose, dispensing of a certain quantity or as a record of ceasing a medication. The state of the medication instruction is altered by the action taken as indicated in the pathway definition.

There is a date and time at which this action took place (as there is for all actions) and use of this DCM indicates that some action has actually occurred.

## 10.3 Misuse

Use when recording an instruction or order (use Medication Instruction DCM).

# 10.4 MEDICATION ACTION

## Identification


<b>Label</b>	Vaccine Cancellation
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16210
<b>OID</b>	1.2.36.1.2001.1001.101.102.16210

## Definition








<b>Definition</b>	Details of the cancellation of a vaccine that was initially scheduled to be administered to the child.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Details of the item include a description, duration and quantity of the medication and the dosage which would have been administered prior to cancellation.






















## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	VACCINE CANCELLATION ENTRY	1..1

### Children

Data Type	Name	Occurrences
	Vaccine Type (Therapeutic Good Identification)	1..1
	Additional Medicine Detail (Additional Therapeutic Good Detail)	0..0
	Instructions to Subject of Care or Carer (Medication Action Instructions)	0..0
	Formula	0..0
	Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..0
	Medicare Antigen Code (Reason for Action)	0..*
	Quantity of Medication (AMOUNT OF MEDICATION)	0..0

Data Type	Name	Occurrences
	Comment (Medication Action Comment)	0..0
	Vaccine Dose Number (Sequence Number)	0..1
	Administration (MEDICATION ADMINISTRATION)	0..0
	Brand Substituted (Brand Substitution Occurred)	0..0
	Batchid (Batch Identifier)	0..0
	Date of Expiry (Expiry Date)	0..0
	DISPENSED TO	0..0
	Number of this Dispense	0..0
	Maximum Number of Repeats	0..0
	Claim Category	0..0
	Administrative Item Code	0..0
	Administrative Manufacturer Code	0..0
  	Administrative System Identifier	0..0
	INFORMATION PROVIDER	0..0
	SUBJECT	0..0
	Date Vaccination Cancelled (Medication Action DateTime)	0..1
	Medication Action Instance Identifier	0..0
	LINK	0..0
	Detailed Clinical Model Identifier	0..0

# 10.5 Therapeutic Good Identification

## Identification

<b>Label</b>	Vaccine Type
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-10194
<b>OID</b>	1.2.36.1.2001.1001.101.103.10194

## Definition

<b>Definition</b>	The medicine, vaccine or other therapeutic good that was the focus of the action.
<b>Definition Source</b>	Therapeutic Goods Administration
<b>Synonymous Names</b>	Item Name
<b>Context</b>	This includes medications and medical devices. It includes drugs, appliances, dressings, and reagents.
<b>Context Source</b>	NEHTA
<b>Notes</b>	<p>Identifies a therapeutic good, which is broadly defined as a good which is represented in any way to be, or is likely to be taken to be, for therapeutic use (unless specifically excluded or included under Section 7 of the <i>Therapeutic Goods Act 1989</i>).</p> <p>Therapeutic use means use in or in connection with:</p> <ul style="list-style-type: none"> <li>• preventing, diagnosing, curing or alleviating a disease, ailment, defect or injury; or</li> <li>• influencing, inhibiting or modifying a physiological process; or</li> <li>• testing the susceptibility of persons to a disease or ailment; or</li> <li>• influencing, controlling or preventing conception; or</li> <li>• testing for pregnancy; or</li> <li>• replacement or modification of parts of the anatomy.</li> </ul> <p>From <a href="#">[TGA1989a]</a>.</p> <p>The formal definition of a therapeutic good (from the <i>Therapeutic Goods Act 1989</i>) can be found at: <a href="#">[TGA1989a]</a>.</p>
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	<a href="#">Medicines Terminology</a>


## Usage

<b>Conditions of Use</b>	Where the therapeutic good can be identified by an AMT (Australian Medicines Terminology) concept, the value of this data element <b>SHALL</b> be the AMT ConceptID and Preferred Term. For details see <a href="#">Medicines Terminology</a> .
--------------------------	---

<b>Conditions of Use Source</b>	For items without an AMT code (including some extemporaneous preparations), a text description is suitable. For a medication, this <b>SHALL</b> include the name of the medication (brand name or generic name equivalent), strength and dose form, where appropriate.
<b>Examples</b>	<p>NEHTA</p> <p>Some examples of AMT ConceptID and their AMT Preferred Term are:</p> <ol style="list-style-type: none"> <li>926706011000036104  <i>Engerix-B Paediatric 10 microgram/0.5 mL injection: suspension, 1 x 0.5 mL syringe</i> </li> <li>73900011000036106  <i>Liquid PedvaxHIB (Haemophilus influenza type b capsular polysaccharide vaccine 7.5 microgram/0.5 mL) injection: suspension, vial</i> </li> <li>73949011000036106  <i>Priorix (measles virus (Schwarz) live attenuated vaccine 1000 CCID50 units + mumps virus (Jeryl Lynn, strain RIT 4385) live attenuated vaccine 5000 CCID50 units + rubella virus (Wistar RA 27/3) live attenuated vaccine 1000 CCID50 units) injection: powder for, vial</i> </li> </ol>
<b>Misuse</b>	Detailing the formula of a compounded (extemporaneous) medication.

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Cancellation ( <a href="#">MEDICATION ACTION</a> )	1..1

## 10.6 Medicines Terminology

### Identification

<b>Label</b>	Medicines Terminology
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16115
<b>OID</b>	1.2.36.1.2001.1001.101.104.16115

### Definition


<b>Definition</b>	A set of values used to refer to medicines and other therapeutic goods.
<b>Definition Source</b>	NEHTA
<b>Notes</b>	<p>An explanation of AMT concepts can be found in <a href="#">Australian Medicines Terminology Editorial Rules (v2 model) [NEHT2011bs]</a>.</p> <p>Prescribing and dispensing use different sets of values.</p>

### Value Domain

<b>Source</b>	Australian Medicines Terminology
<b>Permissible Values</b>	<p>The permissible values are the members of the following seven AMT reference sets:</p> <ul style="list-style-type: none"> <li>• 929360061000036106  <i>Medicinal product reference set</i> </li> <li>• 929360081000036101  <i>Medicinal product pack reference set</i> </li> <li>• 929360071000036103  <i>Medicinal product unit of use reference set</i> </li> <li>• 929360021000036102  <i>Trade product reference set</i> </li> <li>• 929360041000036105  <i>Trade product pack reference set</i> </li> <li>• 929360031000036100  <i>Trade product unit of use reference set</i> </li> <li>• 929360051000036108  <i>Containerised trade product pack reference set</i> </li> </ul> <p>Reference set allowed in the context of administering is listed below.</p> <p>Administering:</p> <ul style="list-style-type: none"> <li>• 929360031000036100  <i>Trade product unit of use reference set</i> </li> </ul>

# Relationships

## Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Type ( <a href="#">Therapeutic Good Identification</a> )	1..1

## 10.7 Reason for Action

### Identification

<b>Label</b>	Medicare Antigen Code
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16492
<b>OID</b>	1.2.36.1.2001.1001.101.103.16492

### Definition


<b>Definition</b>	A description of the antigen, or one of the antigens, contained in the cancelled vaccine.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is not the reason for the medication instruction, rather it is the specific reason for the action, such as for ceasing the medication.
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	Antigen codes and descriptions held by the Department of Human Services/Medicare to describe the antigens given in vaccines available in Australia.

### Usage

<b>Examples</b>	
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## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Cancellation ( <a href="#">MEDICATION ACTION</a> )	0..*



## 10.8 Sequence Number

### Identification

<b>Label</b>	Vaccine Dose Number
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16424
<b>OID</b>	1.2.36.1.2001.1001.101.103.16424

### Definition


<b>Definition</b>	The dose number of the scheduled administration of the vaccine, which was cancelled.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	Used to specify the sequence number of the dispensing (in a prescription with repeats) or medication administration action.
<b>Data Type</b>	Integer

### Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Cancellation ( <a href="#">MEDICATION ACTION</a> )	0..1

## 10.9 Medication Action DateTime

### Identification

<b>Label</b>	Date Vaccination Cancelled
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16591
<b>OID</b>	1.2.36.1.2001.1001.101.103.16591

### Definition


<b>Definition</b>	The date on which the scheduled administration of the vaccine was cancelled.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Vaccine Cancellation ( <a href="#">MEDICATION ACTION</a> )	0..1

# 11 Vaccine Cancellation Reason Detailed Clinical Model

This chapter describes a re-use of version 1.0 of the Vaccine Cancellation Reason Detailed Clinical Model.

## 11.1 Purpose

Used within the Australian Childhood Immunisation Register to give details of the reasons surrounding the cancellation of a vaccine administration - either due to the individual's natural immunity to the vaccine antigen or medical contraindication to the vaccine.

## 11.2 Use

To be used in conjunction with the *Medication Action DCM*, which provides the details of the vaccine administration.

## 11.3 Misuse

This DCM is not intended to be used outside the context of the Australian Childhood Immunisation Register.

# 11.4 VACCINE CANCELLATION REASON

## Identification


<b>Label</b>	VACCINE CANCELLATION REASON
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16748
<b>OID</b>	1.2.36.1.2001.1001.101.102.16748

## Definition









<b>Definition</b>	The reason for the cancellation of the scheduled administration of the vaccine.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	VACCINE CANCELLATION ENTRY	0..*

### Children

Data Type	Name	Occurrences
	Type ( <a href="#">Vaccine Cancellation Reason Type</a> )	1..1
	Period ( <a href="#">Vaccine Cancellation Reason Period</a> )	1..1
	Comment ( <a href="#">Vaccine Cancellation Reason Comment</a> )	1..1
	INFORMATION-PROVIDER	0..0
	SUBJECT	0..0
	Vaccine Cancellation Reason Instance Identifier	0..0
	LINK	0..0
	Detailed Clinical Model Identifier	0..0

# 11.5 Vaccine Cancellation Reason Type

## Identification

<b>Label</b>	Type
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16756
<b>OID</b>	1.2.36.1.2001.1001.101.103.16756

## Definition


<b>Definition</b>	A coded description of the condition that prevented the vaccination.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	There are only two expected values to this data element, namely natural immunity and medical contraindication.  A null flavour supported by the underlying implementation may be used for this data element, if the reason is unknown or unsupported.
<b>Data Type</b>	CodedText
<b>Value Domain</b>	<a href="#">Vaccine Cancellation Reason Type Values</a>

## Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">VACCINE CANCELLATION REASON</a>	1..1

# 11.6 Vaccine Cancellation Reason Type Values

## Identification

<b>Label</b>	Vaccine Cancellation Reason Type Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16755
<b>OID</b>	1.2.36.1.2001.1001.101.104.16755

## Definition


<b>Definition</b>	The codes for specifying the reasons for vaccine cancellation.
<b>Definition Source</b>	NEHTA

## Value Domain

<b>Source</b>	NEHTA	
<b>Permissible Values</b>	1, Natural Immunity	The subject has developed a natural immunity to the antigen
	2, Medical Contraindication	The subject displayed contraindications to administering the vaccine

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
 Type ( <a href="#">Vaccine Cancellation Reason Type</a> )		1..1

# 11.7 Vaccine Cancellation Reason Period

## Identification

<b>Label</b>	Period
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16757
<b>OID</b>	1.2.36.1.2001.1001.101.103.16757

## Definition


<b>Definition</b>	The time period in which either the natural immunity or medical contraindication that prevented vaccination (as denoted in the value of <i>Type</i> data element) took place.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	TimeInterval

## Usage

### Examples

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	VACCINE CANCELLATION REASON	1..1

# 11.8 Vaccine Cancellation Reason Comment

## Identification

<b>Label</b>	Comment
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-15595
<b>OID</b>	1.2.36.1.2001.1001.101.103.15595

## Definition


<b>Definition</b>	Additional narrative about the conditions preventing the vaccination not captured in other fields.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Text

## Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	VACCINE CANCELLATION REASON	1..1



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# 12 Australian Childhood Immunisation Register Entries Document Link Data Group

This chapter describes a re-use of version 1.1 of the Link Data Group.

## 12.1 Purpose

The *Link data group* defines a logical relationship between two instances of DCMs or an instance of a DCM and a document. Links can be used across documents, and across electronic health records (EHRs). Links can potentially be used between nodes of the same document. Multiple instances of the *Link data group* can be attached to the same item.

## 12.2 Use

1:1 and 1:N relationships between instances of DCMs can be expressed by using one, or more than one, respectively, links. Chains of links can be used to see “problem threads” or other logical groupings of items.

Links are only to be used between instances of DCMs or documents, i.e. between objects representing complete domain concepts. This is because relationships between sub-elements of whole concepts are not necessarily meaningful and may be confusing.

## 12.3 LINK

### Identification

<b>Label</b>	Australian Childhood Immunisation Register Entries Document Link
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16692
<b>OID</b>	1.2.36.1.2001.1001.101.102.16692

### Definition


<b>Definition</b>	A link to the Australian Childhood Immunisation Register source document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

### Usage




<b>Conditions of Use</b>	The link <b>SHALL</b> point to an external document.
<b>Conditions of Use Source</b>	NEHTA

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES</a>	1..1

#### Children

Data Type	Name	Occurrences
	<a href="#">Link Nature</a>	1..1
	<a href="#">Link Role</a>	0..1
	Target Document ( <a href="#">Link Target</a> )	1..1

## 12.4 Link Nature

### Identification

<b>Label</b>	Link Nature
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16698
<b>OID</b>	1.2.36.1.2001.1001.101.103.16698

### Definition


<b>Definition</b>	The general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs or document. This attribute is intended to be a coarse-grained category that can be used to enable interoperability between sender and receiver.
<b>Data Type</b>	CodedText
<b>Value Domain</b>	<a href="#">Link Nature Values</a>

### Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E0 (“is a related documentation”).
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Australian Childhood Immunisation Register Entries Document Link ( <a href="#">LINK</a> )	1..1

# 12.5 Link Nature Values

## Identification

<b>Label</b>	Link Nature Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16698
<b>OID</b>	1.2.36.1.2001.1001.101.104.16698

## Definition

<b>Definition</b>	The set of values for the general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA


## Value Domain

<b>Source</b>	ISO 13606-3:2009	
<b>Permissible Values</b>	The permissible values are those specified in Termlist LINK_NATURE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> . They are listed here.	
	LINK-A0, is related to	A generic category for any Link, the details of which will be given by the value of Link Role.
	LINK-B0, is confirmed by or authorised by	The target link contains [an instance of a DCM or document] that acts as the legal or clinical basis for the activity documented in the source [DCM instance], or is a declaration of intent to provide (or not to provide) requested care. This Link is to be used to connect two [DCM instances or DCM and document], as opposed to the inclusion of a corroborating or authorising participant as an identified party within a single [DCM instance or document].
	LINK-C0, is related to the same problem or health issue	The target [instance of a DCM or document] documents health or health care that pertains to the same clinical situation as the source [DCM instance]. One of the two might be defining a problem for which the other is a manifestation, or the relationship might for example be cause and effect, stages in an evolving clinical history, a different interpretation of an observation, a clinical indication or contraindication.
	LINK-D0, is related to the same care plan, act or episode	The source and the target [instances of DCM or documents] are each documenting parts of the same care plan, act or episode. One of the

	LINK-E0, is a related documentation	<p>two might be defining the same care plan, act or episode, or both might be related milestones.</p> <p>The target [instance of a DCM or document] is an alternative documentary form of the source [DCM instance], such as re-expression of the same clinical information or additional supplementary explanatory information.</p>
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Nature	1..1

# 12.6 Link Role

## Identification

<b>Label</b>	Link Role
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16699
<b>OID</b>	1.2.36.1.2001.1001.101.103.16699

## Definition


<b>Definition</b>	The detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs. This attribute provides for a specific description of the actual role played by the target in relation to the source. This attribute may be populated from any suitable terminology, and therefore might support human readership better than interoperable automated processing.
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	<a href="#">Link Role Values</a>

## Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E4 (“excerpts”).
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Australian Childhood Immunisation Register Entries Document Link ( <a href="#">LINK</a> )	0..1

## 12.7 Link Role Values

### Identification

<b>Label</b>	Link Role Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16699
<b>OID</b>	1.2.36.1.2001.1001.101.104.16699

### Definition

<b>Definition</b>	The set of values for the detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Context</b>	These values are used within the context of values from <i>Link Role</i> . They provide greater specificity and may be selected more for human readership than for interoperable automated processing.
<b>Context Source</b>	NEHTA

### Value Domain

<b>Source</b>	ISO 13606-3:2009										
<b>Permissible Values</b>	<p>Values <b>SHOULD</b> be from Termlist LINK_ROLE in ISO 13606-3:2009 <a href="#">[ISO2009a]</a>.</p> <p>Values <b>MAY</b> be from any suitable terminology.</p> <p>Some values from Termlist LINK_ROLE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> are:</p> <table> <tr> <td>LINK-A1, unspecified link</td> <td>The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.</td> </tr> <tr> <td>LINK-A2, suggests</td> <td>The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.</td> </tr> <tr> <td>LINK-B1, endorses</td> <td>The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-C3, evidence for</td> <td>The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-D1, outcome</td> <td>The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.</td> </tr> </table>	LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.	LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.	LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.	LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.	LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.
LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.										
LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.										
LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.										
LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.										
LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.										


	LINK-E1, documented by	A clinical situation documented in the source component is more formally documented in the target component.
	LINK-E4, excerpts	The source component is an extract (copy) of part or all of the information contained within the target component.

## Usage

<b>Conditions of Use</b>	Each of the link terms in LINK_ROLE from ISO 13606-3:2009 is a sub-category of a corresponding term in <i>Link Nature Values</i> , where that correspondence is indicated by the first letter after the code string "LINK-" e.g. the term LINK-A1 is a subcategory of term LINK-A0. If a term in this list is used for the <i>Link Role</i> data element, the appropriate corresponding value <b>SHALL</b> be used from <i>Link Nature Values</i> .
<b>Conditions of Use Source</b>	ISO 13606-3:2009

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Role	1..1



## 12.8 Link Target

### Identification

<b>Label</b>	Target Document
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16700
<b>OID</b>	1.2.36.1.2001.1001.101.103.16700

### Definition


<b>Definition</b>	The logical “to” object in the link relation, as per the linguistic sense of the <i>Link Nature</i> data element (and, if present, the <i>Link Role</i> data element).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Link UniquelIdentifier

### Usage

#### Examples

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	Australian Childhood Immunisation Register Entries Document Link ( <a href="#">LINK</a> )	1..1

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# 13 Exclusion Statement Detailed Clinical Model

This chapter describes a re-use of version 1.1 of the Exclusion Statement Detailed Clinical Model.

## 13.1 Purpose

To positively record the absence or exclusion of any clinical findings or evaluations within the health record.

## 13.2 Use

Use to record the positive exclusion or absence of clinical findings or evaluations within the health record. This DCM avoids the need to use terminology to express negation about any item within the health record. Specialisations of this DCM will capture specific and more detailed information about common exclusions, such as problems or diagnoses. This DCM has been deliberately kept simple and open in order to capture simple statements about anything that may be usefully recorded as absent or excluded within the health record.

## 13.3 Misuse

Do not use to record the exclusion or absence of adverse reactions, problems, diagnoses or interventions (procedures) - use specific specialisations of this DCM in these situations.

## 13.4 EXCLUSION STATEMENT

### Identification


<b>Label</b>	EXCLUSION STATEMENT
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16134
<b>OID</b>	1.2.36.1.2001.1001.101.102.16134

### Definition







<b>Definition</b>	An explicit statement about the absence of information about documents.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	AUSTRALIAN ORGAN DONOR REGISTER DECISION INFORMATION	0..1

#### Children

Data Type	Name	Occurrences
	General Statement	1..1
	INFORMATION-PROVIDER	0..0
	SUBJECT	0..0
	Exclusion-Statement Instance Identifier	0..0
	LINK	0..0
	Detailed-Clinical Model Identifier	0..0

## 13.5 General Statement

### Identification

<b>Label</b>	General Statement
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16135
<b>OID</b>	1.2.36.1.2001.1001.101.103.16135

### Definition


<b>Definition</b>	A general statement about the absence or exclusion of data values.
<b>Definition Source</b>	openEHR Foundation
<b>Synonymous Names</b>	
<b>Context</b>	Any information required to be explicitly recorded as being absent or excluded within the record.
<b>Context Source</b>	openEHR Foundation
<b>Data Type</b>	Text

### Usage

**Examples**

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">EXCLUSION STATEMENT</a>	1..1

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# 14 Australian Organ Donor Register Entry Detailed Clinical Model

This chapter describes a re-use of version 1.0 of the Australian Organ Donor Register Entry Detailed Clinical Model.

## 14.1 Purpose

To record information about an individual's organ and tissue donation decisions within the Australian Organ Donor Register (AODR).

## 14.2 Use

Use to record or update information in the Australian Organ Donor Register (AODR) about an individual's organ or tissue donation decisions.

# 14.3 AUSTRALIAN ORGAN DONOR REGISTER ENTRY

## Identification

<b>Label</b>	AUSTRALIAN ORGAN DONOR REGISTER ENTRY
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16652
<b>OID</b>	1.2.36.1.2001.1001.101.102.16652

## Definition








<b>Definition</b>	Information about an individual's organ and tissue donation decisions, for use within the Australian Organ Donor Register (AODR).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Relationships


### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN ORGAN DONOR REGISTER DETAILS</a>	1..1

### Children

Data Type	Name	Occurrences
	<a href="#">Date of Initial Registration</a>	1..1
	<a href="#">Donation Decision</a>	1..1
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	0..1
	INFORMATION PROVIDER	0..0
	SUBJECT	0..0
	Australian Organ Donor Register Entry Instance Identifier	0..0
	LINK	0..0



Data Type	Name	Occurrences
	Detailed Clinical Model Identifier	0..0

## 14.4 Date of Initial Registration

### Identification

<b>Label</b>	Date of Initial Registration
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16655
<b>OID</b>	1.2.36.1.2001.1001.101.103.16655

### Definition

<b>Definition</b>	The date that the individual first registered their organ or tissue donation decision in the AODR.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	DateTime

### Usage

<b>Examples</b>	Please see <a href="#">DateTime</a> in <a href="#">Appendix C, Specification Guide for Use</a> for examples and usage information on specifying a date or time (or both).
-----------------	---

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN ORGAN DONOR REGISTER ENTRY</a>	1..1

## 14.5 Donation Decision

### Identification

<b>Label</b>	Donation Decision
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16657
<b>OID</b>	1.2.36.1.2001.1001.101.103.16657

### Definition

<b>Definition</b>	The individual's decision about donation.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	True if the individual wishes to register decision to donate suitable organs and tissue for transplantation. False, if the individual wishes to register decision NOT to donate any organs or tissue for transplantation.
<b>Data Type</b>	Boolean

### Usage

<b>Conditions of Use</b>	If the <i>ORGAN AND TISSUE DONATION DETAILS</i> data group is present, the value <b>SHALL</b> be "true", else the value <b>SHALL</b> be "false".
<b>Conditions of Use Source</b>	NEHTA
<b>Examples</b>	

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	AUSTRALIAN ORGAN DONOR REGISTER ENTRY	1..1

# 14.6 ORGAN AND TISSUE DONATION DETAILS

## Identification

<b>Label</b>	ORGAN AND TISSUE DONATION DETAILS
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16660
<b>OID</b>	1.2.36.1.2001.1001.101.102.16660

## Definition








<b>Definition</b>	A list of organs and/or tissues for transplantation that the individual has consented to donate.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	



## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN ORGAN DONOR REGISTER ENTRY</a>	0..1

### Children

Data Type	Name	Occurrences
	<a href="#">Bone Tissue Indicator</a>	1..1
	<a href="#">Eye Tissue Indicator</a>	1..1
	<a href="#">Heart Indicator</a>	1..1
	<a href="#">Heart Valve Indicator</a>	1..1
	<a href="#">Kidney Indicator</a>	1..1
	<a href="#">Liver Indicator</a>	1..1
	<a href="#">Lungs Indicator</a>	1..1

Data Type	Name	Occurrences
	Pancreas Indicator	1..1
	Skin Tissue Indicator	1..1

# 14.7 Bone Tissue Indicator

## Identification

<b>Label</b>	Bone Tissue Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16661
<b>OID</b>	1.2.36.1.2001.1001.101.103.16661

## Definition

<b>Definition</b>	An indicator that describes the individual's decision to be a bone tissue donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

## Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

# 14.8 Eye Tissue Indicator

## Identification

<b>Label</b>	Eye Tissue Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16662
<b>OID</b>	1.2.36.1.2001.1001.101.103.16662

## Definition

<b>Definition</b>	An indicator that describes the individual's decision to be an eye tissue (cornea) donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

## Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

## 14.9 Heart Indicator

### Identification

<b>Label</b>	Heart Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16663
<b>OID</b>	1.2.36.1.2001.1001.101.103.16663

### Definition

<b>Definition</b>	An indicator that describes the individual's decision to be a heart organ donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

### Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1



# 14.10 Heart Valve Indicator

## Identification

<b>Label</b>	Heart Valve Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16664
<b>OID</b>	1.2.36.1.2001.1001.101.103.16664

## Definition

<b>Definition</b>	An indicator that describes the individual's decision to be a heart valve donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

## Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

## 14.11 Kidney Indicator

### Identification

<b>Label</b>	Kidney Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16665
<b>OID</b>	1.2.36.1.2001.1001.101.103.16665

### Definition

<b>Definition</b>	An indicator that describes the individual's decision to be a kidney organ donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

### Usage

<b>Examples</b>	
-----------------	--

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

## 14.12 Liver Indicator

### Identification

<b>Label</b>	Liver Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16666
<b>OID</b>	1.2.36.1.2001.1001.101.103.16666

### Definition

<b>Definition</b>	An indicator that describes the individual's decision to be a liver organ donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

### Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

# 14.13 Lungs Indicator

## Identification

<b>Label</b>	Lungs Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16667
<b>OID</b>	1.2.36.1.2001.1001.101.103.16667

## Definition

<b>Definition</b>	An indicator that describes the individual's decision to be a lung organ donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

## Usage

<b>Examples</b>	
-----------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

## 14.14 Pancreas Indicator

### Identification

<b>Label</b>	Pancreas Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16668
<b>OID</b>	1.2.36.1.2001.1001.101.103.16668

### Definition


<b>Definition</b>	An indicator that describes the individual's decision to be a pancreas organ donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

### Usage

<b>Examples</b>	
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## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

# 14.15 Skin Tissue Indicator

## Identification

<b>Label</b>	Skin Tissue Indicator
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16669
<b>OID</b>	1.2.36.1.2001.1001.101.103.16669

## Definition

<b>Definition</b>	An indicator that describes the individual's decision to be a skin tissue donor.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Boolean

## Usage

<b>Examples</b>	
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## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">ORGAN AND TISSUE DONATION DETAILS</a>	1..1

# 15 Australian Organ Donor Register Details Document Link Data Group

This chapter describes a re-use of version 1.1 of the Link Data Group.

## 15.1 Purpose

The *Link data group* defines a logical relationship between two instances of DCMs or an instance of a DCM and a document. Links can be used across documents, and across electronic health records (EHRs). Links can potentially be used between nodes of the same document. Multiple instances of the *Link data group* can be attached to the same item.

## 15.2 Use

1:1 and 1:N relationships between instances of DCMs can be expressed by using one, or more than one, respectively, links. Chains of links can be used to see “problem threads” or other logical groupings of items.

Links are only to be used between instances of DCMs or documents, i.e. between objects representing complete domain concepts. This is because relationships between sub-elements of whole concepts are not necessarily meaningful and may be confusing.

# 15.3 LINK

## Identification

<b>Label</b>	Australian Organ Donor Register Details Document Link
<b>Metadata Type</b>	Data Group
<b>Identifier</b>	DG-16692
<b>OID</b>	1.2.36.1.2001.1001.101.102.16692

## Definition


<b>Definition</b>	A link to the Australian Organ Donor Register source document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	

## Usage




<b>Conditions of Use</b>	The link <b>SHALL</b> point to an external document.
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	<a href="#">AUSTRALIAN ORGAN DONOR REGISTER DETAILS</a>	1..1

### Children

Data Type	Name	Occurrences
	<a href="#">Link Nature</a>	1..1
	<a href="#">Link Role</a>	0..1
	Target Document ( <a href="#">Link Target</a> )	1..1



## 15.4 Link Nature

### Identification

<b>Label</b>	Link Nature
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16698
<b>OID</b>	1.2.36.1.2001.1001.101.103.16698

### Definition


<b>Definition</b>	The general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs or document. This attribute is intended to be a coarse-grained category that can be used to enable interoperability between sender and receiver.
<b>Data Type</b>	CodedText
<b>Value Domain</b>	<a href="#">Link Nature Values</a>

### Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E0 (“is a related documentation”).
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Australian Organ Donor Register Details Document Link ( <a href="#">LINK</a> )	1..1

# 15.5 Link Nature Values

## Identification

<b>Label</b>	Link Nature Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16698
<b>OID</b>	1.2.36.1.2001.1001.101.104.16698

## Definition

<b>Definition</b>	The set of values for the general semantic category of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA


## Value Domain

<b>Source</b>	ISO 13606-3:2009	
<b>Permissible Values</b>	The permissible values are those specified in Termlist LINK_NATURE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> . They are listed here.	
	LINK-A0, is related to	A generic category for any Link, the details of which will be given by the value of Link Role.
	LINK-B0, is confirmed by or authorised by	The target link contains [an instance of a DCM or document] that acts as the legal or clinical basis for the activity documented in the source [DCM instance], or is a declaration of intent to provide (or not to provide) requested care. This Link is to be used to connect two [DCM instances or DCM and document], as opposed to the inclusion of a corroborating or authorising participant as an identified party within a single [DCM instance or document].
	LINK-C0, is related to the same problem or health issue	The target [instance of a DCM or document] documents health or health care that pertains to the same clinical situation as the source [DCM instance]. One of the two might be defining a problem for which the other is a manifestation, or the relationship might for example be cause and effect, stages in an evolving clinical history, a different interpretation of an observation, a clinical indication or contraindication.
	LINK-D0, is related to the same care plan, act or episode	The source and the target [instances of DCM or documents] are each documenting parts of the same care plan, act or episode. One of the

	LINK-E0, is a related documentation	<p>two might be defining the same care plan, act or episode, or both might be related milestones.</p> <p>The target [instance of a DCM or document] is an alternative documentary form of the source [DCM instance], such as re-expression of the same clinical information or additional supplementary explanatory information.</p>
--	-------------------------------------	--

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Nature	1..1

# 15.6 Link Role

## Identification

<b>Label</b>	Link Role
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16699
<b>OID</b>	1.2.36.1.2001.1001.101.103.16699

## Definition


<b>Definition</b>	The detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Notes</b>	This is one of two attributes which together communicate the semantics of the relationship between the source and target DCMs. This attribute provides for a specific description of the actual role played by the target in relation to the source. This attribute may be populated from any suitable terminology, and therefore might support human readership better than interoperable automated processing.
<b>Data Type</b>	CodeableText
<b>Value Domain</b>	<a href="#">Link Role Values</a>

## Usage

<b>Conditions of Use</b>	The value <b>SHALL</b> be LINK-E4 (“excerpts”).
<b>Conditions of Use Source</b>	NEHTA

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Australian Organ Donor Register Details Document Link ( <a href="#">LINK</a> )	0..1

## 15.7 Link Role Values

### Identification

<b>Label</b>	Link Role Values
<b>Metadata Type</b>	Value Domain
<b>Identifier</b>	VD-16699
<b>OID</b>	1.2.36.1.2001.1001.101.104.16699

### Definition

<b>Definition</b>	The set of values for the detailed semantic description of the relationship between this instance of this DCM, i.e. the source, and the target DCM instance or target document.
<b>Definition Source</b>	NEHTA
<b>Context</b>	These values are used within the context of values from <i>Link Role</i> . They provide greater specificity and may be selected more for human readership than for interoperable automated processing.
<b>Context Source</b>	NEHTA

### Value Domain

<b>Source</b>	ISO 13606-3:2009										
<b>Permissible Values</b>	<p>Values <b>SHOULD</b> be from Termlist LINK_ROLE in ISO 13606-3:2009 <a href="#">[ISO2009a]</a>.</p> <p>Values <b>MAY</b> be from any suitable terminology.</p> <p>Some values from Termlist LINK_ROLE in <a href="#">ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a]</a> are:</p> <table> <tr> <td>LINK-A1, unspecified link</td> <td>The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.</td> </tr> <tr> <td>LINK-A2, suggests</td> <td>The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.</td> </tr> <tr> <td>LINK-B1, endorses</td> <td>The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-C3, evidence for</td> <td>The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.</td> </tr> <tr> <td>LINK-D1, outcome</td> <td>The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.</td> </tr> </table>	LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.	LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.	LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.	LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.	LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.
LINK-A1, unspecified link	The term is used when no semantic information is available for this Link in the EHR system from which the EXTRACT has been created.										
LINK-A2, suggests	The interpretation expressed in the target component is a possible cause or outcome of the findings documented in the source component.										
LINK-B1, endorses	The interpretation expressed in the source component provides confirmatory evidence or a confirmatory opinion of the interpretation expressed in the target component.										
LINK-C3, evidence for	The observation or interpretation documented in the source component provides confirmatory evidence of the interpretation expressed in the target component.										
LINK-D1, outcome	The clinical situation documented in the target component is the direct outcome of the situation documented in the source component.										


	LINK-E1, documented by	A clinical situation documented in the source component is more formally documented in the target component.
	LINK-E4, excerpts	The source component is an extract (copy) of part or all of the information contained within the target component.

## Usage

<b>Conditions of Use</b>	Each of the link terms in LINK_ROLE from ISO 13606-3:2009 is a sub-category of a corresponding term in <i>Link Nature Values</i> , where that correspondence is indicated by the first letter after the code string "LINK-" e.g. the term LINK-A1 is a subcategory of term LINK-A0. If a term in this list is used for the <i>Link Role</i> data element, the appropriate corresponding value <b>SHALL</b> be used from <i>Link Nature Values</i> .
<b>Conditions of Use Source</b>	ISO 13606-3:2009

## Relationships

### Parents

Data Type	Name	Occurrences (child within parent)
	Link Role	1..1

## 15.8 Link Target

### Identification

<b>Label</b>	Target Document
<b>Metadata Type</b>	Data Element
<b>Identifier</b>	DE-16700
<b>OID</b>	1.2.36.1.2001.1001.101.103.16700

### Definition

<b>Definition</b>	The logical “to” object in the link relation, as per the linguistic sense of the <i>Link Nature</i> data element (and, if present, the <i>Link Role</i> data element).
<b>Definition Source</b>	NEHTA
<b>Synonymous Names</b>	
<b>Data Type</b>	Link UniquelIdentifier

### Usage

#### Examples

## Relationships

#### Parents

Data Type	Name	Occurrences (child within parent)
	Australian Organ Donor Register Details Document Link ( <a href="#">LINK</a> )	1..1

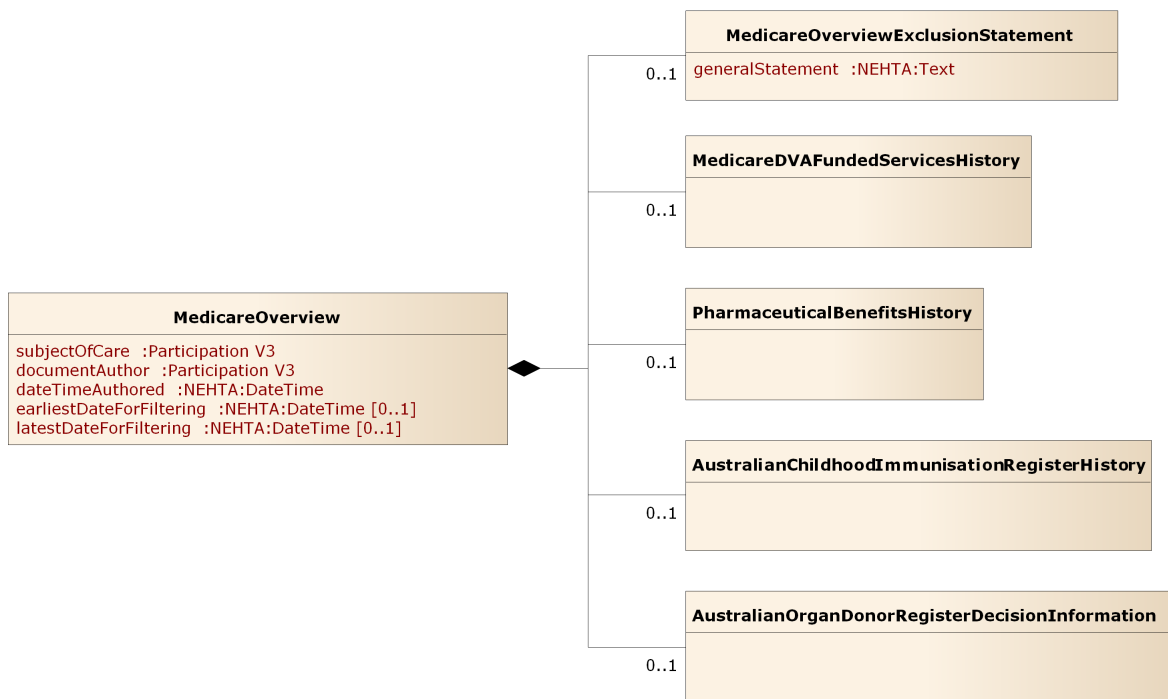
*This page is intentionally left blank.*



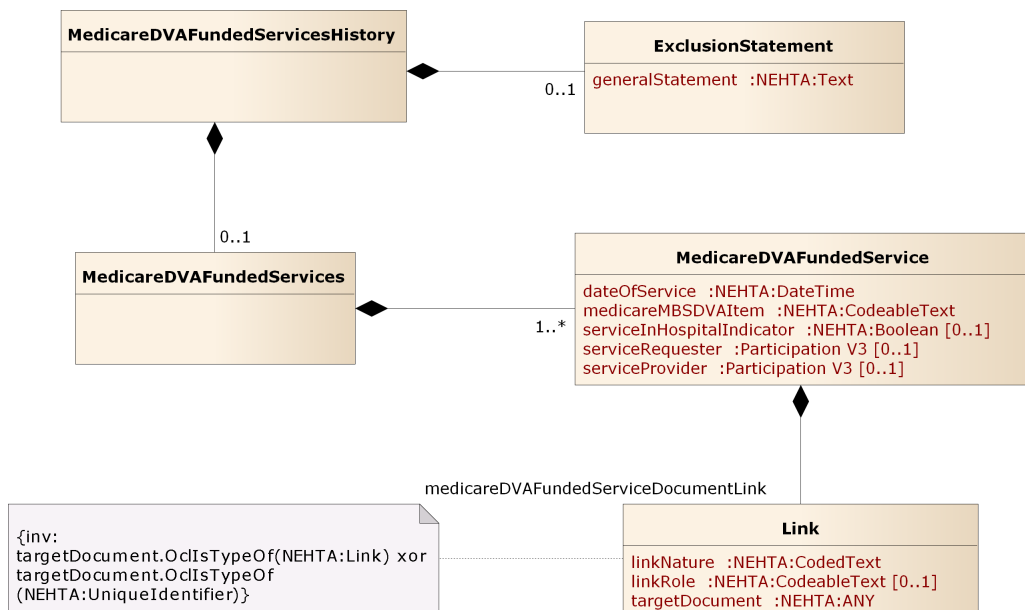
# 16 UML Class Diagram

The following figure presents the data hierarchy using a UML 2.0 class diagram. The diagram displays data groups and data elements, together with their names, data types and multiplicities. Data elements are displayed as attributes. Data groups are displayed as classes, their names are represented as association role names. Association role names are only displayed if they differ from the associated class name. The diagram shows the data hierarchy excluding the details of participation. The default multiplicity is 1..1.

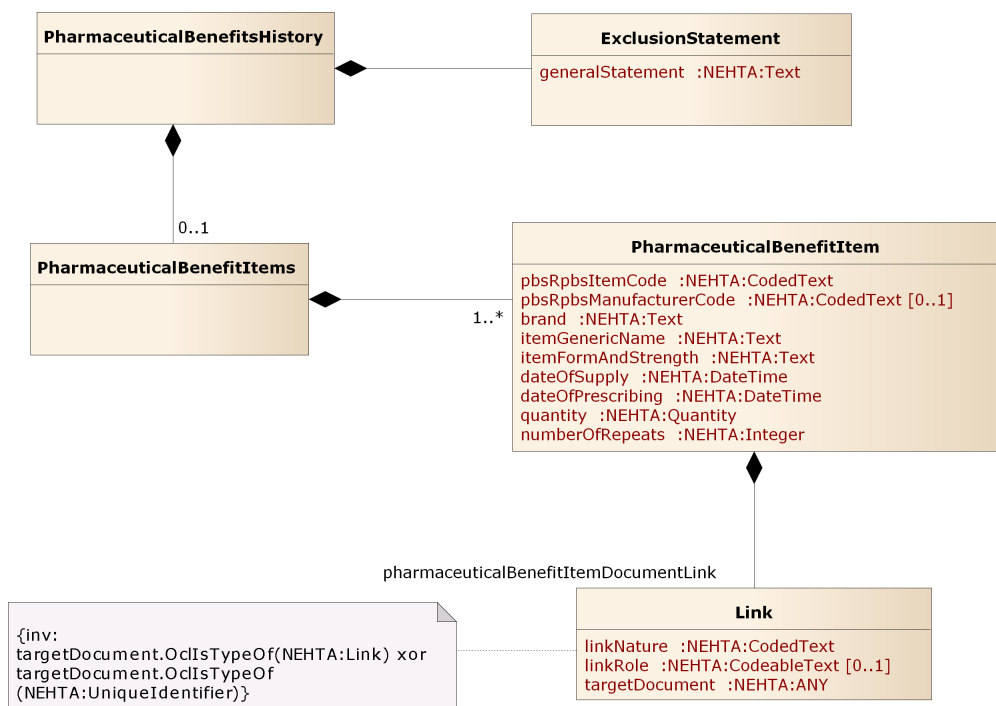
This UML diagram represents only the top levels of the data hierarchy and does not include all the data elements.



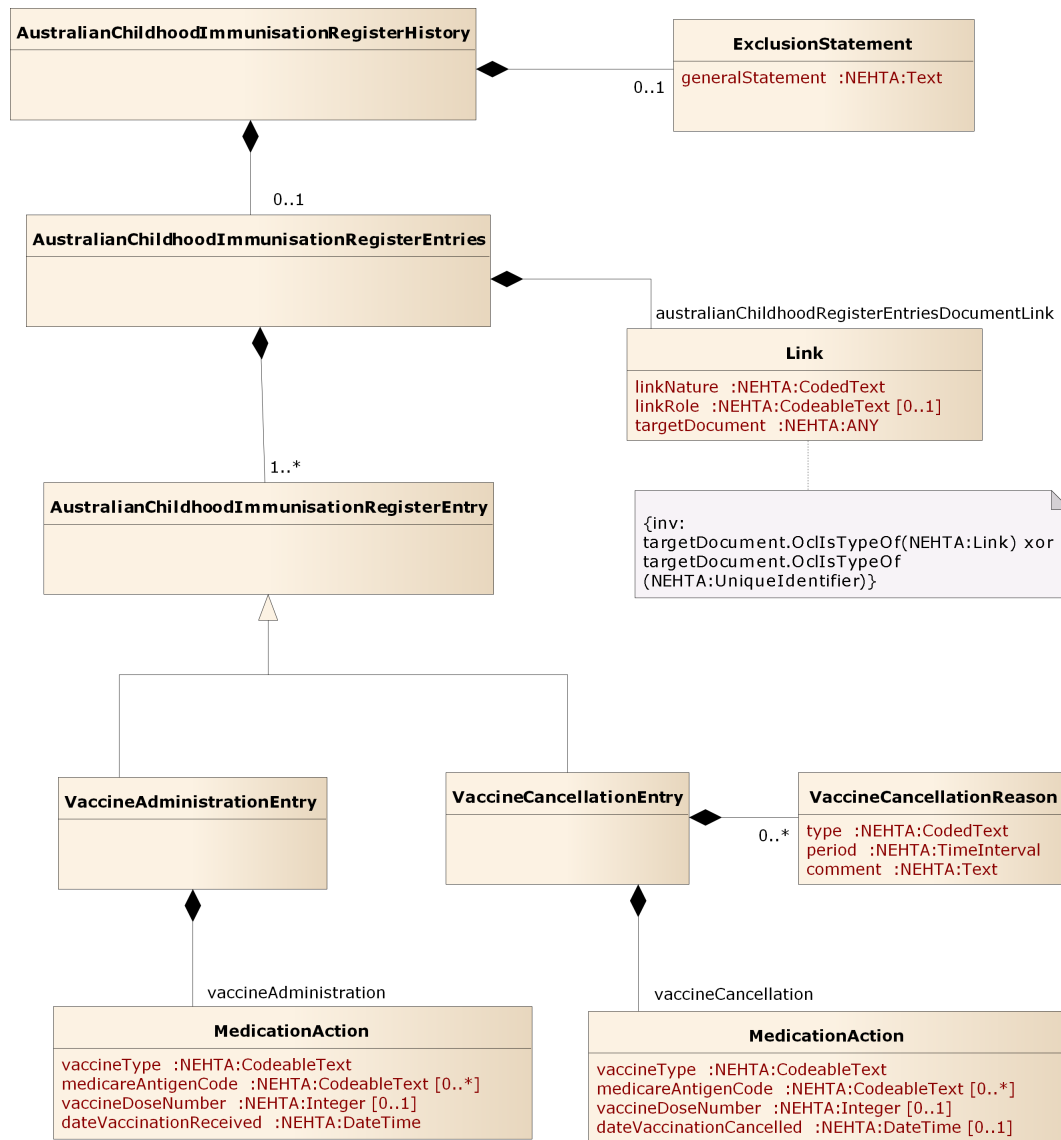
UML class diagram of the Medicare Overview data hierarchy (top level sections).



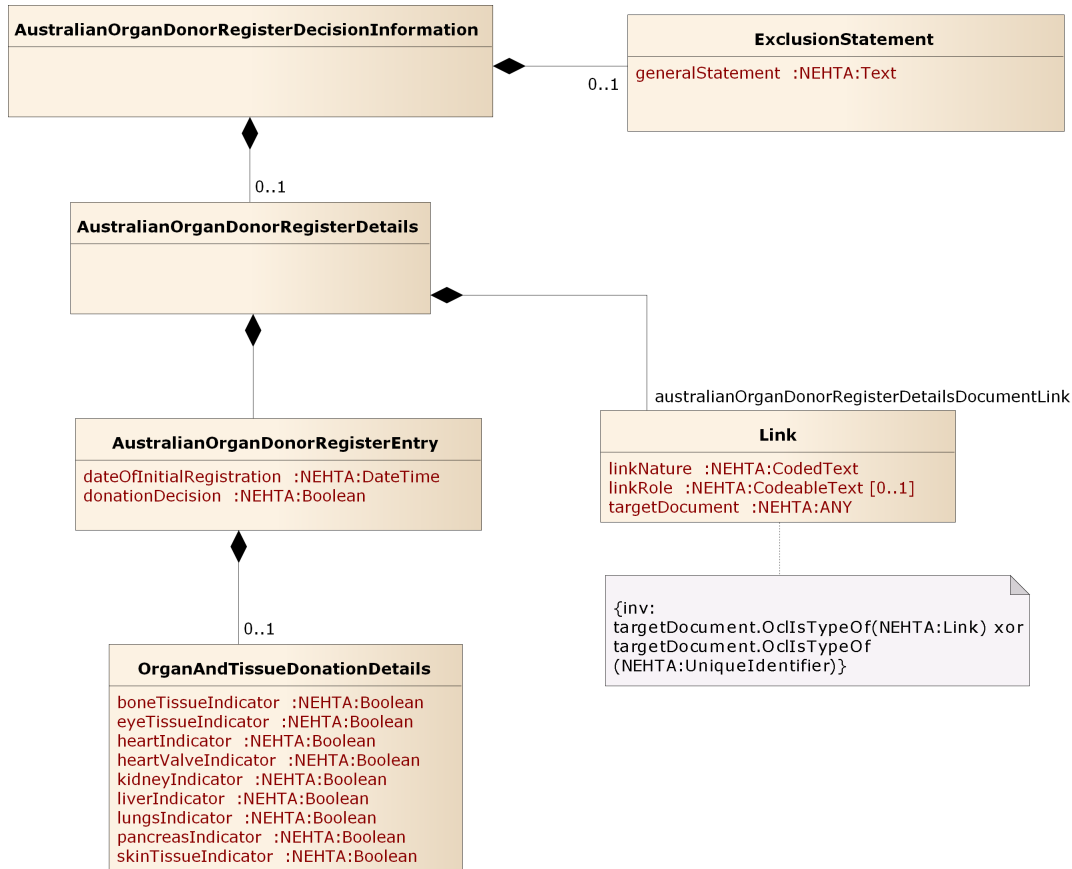
UML class diagram of the Medicare/DVA Funded Services History component.



UML class diagram of the Pharmaceutical Benefits History component.



UML class diagram of the Australian Childhood Immunisation Register (ACIR) component.



UML class diagram of the Australian Organ Donor Registry (AODR) component.

# Appendix A. Known Issues

This appendix lists known issues with this specification at the time of publishing. NEHTA is working on solutions to these issues, and we encourage comments to further assist with development of these solutions.

Reference	Description
Links to external resources	If a link (usually in references section) spans across several lines, certain combinations of PDF reader and web browser have problems opening it.
Naming of "Vaccine Cancellation"	The term "Vaccine Cancellation" is a slight misnomer as cancellations apply to medications, but the term "exemption" applies to ACIR. The term "cancellation" is to be replaced by the term "exemption" in ACIR.
Use of Exclusion Statements	The use of Exclusion Statements to assert that there is no data present needs to be investigated further. That investigation may result in the Exclusion Statements being removed.
ACIR - Vaccine Dose Number	In ACIR records <i>Vaccine Dose Number</i> contains a positive integer (the sequence number of the dose), nothing, or the letter "b" (which indicates a vaccine given at birth). This SCS provides <i>Vaccine Dose Number</i> which can contain integer values and nothing, but not letters. It is not appropriate to use <i>Vaccine Dose Number</i> to record both the sequence number of the vaccine dose and the fact that the vaccine was given at birth, as they are two distinct concepts. Vaccines given at birth can be identified using <i>Date Vaccination Received</i> and <i>Date of Birth</i> as both are available. If a single indicator data element is required, an extra data element will have to be added.
Medicare Antigen Code values	Documents created by Medicare may contain a value for <i>Medicare Antigen Code</i> and <i>Medicare Overview</i> documents contain data from Medicare documents. However the details of the value domain for <i>Medicare Antigen Code</i> are not currently available.

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# Appendix B. Change History

A summary of changes from one document version to the next. Changes to the change history are excluded.

## B.1 Changes Introduced in this Document Version

### Preliminary Pages

---

Corrected and updated related documents to include all related SCSs and DCM specifications.

---

### Chapter 1 Introduction

---

Editorial and typographical errors corrected via editorial review.

---

Updated reference to MOV CDAIG to v1.1 [NEHT2013w].

---

### Chapter 2 Medicare Overview Structured Document

---

Corrected editorial review issues (language, punctuation, formatting, presentation) in:

1. Definition and conditions of use of 2.1 MEDICARE OVERVIEW
  2. Definition of 2.2 SUBJECT OF CARE
  3. Definition of 2.3 DOCUMENT AUTHOR
  4. Definition of 2.4 DateTime Authored
  5. Definition and conditions of use of 2.7 MEDICARE/DVA FUNDED SERVICES HISTORY
  6. Definition of 2.8 MEDICARE/DVA FUNDED SERVICES
  7. Definition and conditions of use of 2.9 PHARMACEUTICAL BENEFITS HISTORY
  8. Definition of 2.10 PHARMACEUTICAL BENEFIT ITEMS
  9. Definition and conditions of use of 2.11 AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY
  10. Definition 2.12 AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES
  11. Usage (removed) and notes (added) of 2.13 AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY
  12. Definition 2.14 VACCINE ADMINISTRATION ENTRY
  13. Definition 2.15 VACCINE CANCELLATION ENTRY
  14. Definition and conditions of use of 2.16 AUSTRALIAN ORGAN DONOR REGISTER DECISION INFORMATION
-

---

2.7 MEDICARE/DVA FUNDED SERVICES HISTORY - reworded the condition of use to remove "one or more instances".

---

2.9 PHARMACEUTICAL BENEFITS HISTORY - replaced instances of "Schedule" with "Scheme" and reworded the condition of use to remove "one or more instances".

---

2.9 PHARMACEUTICAL BENEFITS HISTORY - replaced instances of "Benefit" with "Benefits" and reworded the condition of use to remove "one or more instances".

---

2.10 PHARMACEUTICAL BENEFITS ITEMS - replaced instances of "Schedule" with "Scheme".

---

2.10 PHARMACEUTICAL BENEFITS ITEMS - replaced instances of "Benefit" with "Benefits".

---

2.11 AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY - reworded the condition of use to remove "one or more instances".

---

7.3 PHARMACEUTICAL BENEFIT ITEM - replaced instances of "Benefit" with "Benefits".

---

2.16 AUSTRALIAN ORGAN DONOR REGISTER DECISION INFORMATION - reordered the definition, and reworded the condition of use to remove "one or more instances".

---

## Various chapters

---

All instances of "provenance" have been replaced with "link".

---

Added to all data components of type DateTime the improved standard examples text.

---

3.4 EXCLUSION STATEMENT - removed "about documents" from the definition

---

Chapters 3, 4, 6, and 8 (Exclusion Statement Detailed Clinical Model) updated with changes made during editorial review of the DCM specifications.

---

Chapters 5, 7, 12 and 15 updated with changes to the LINK cluster from editorial review.

---

Added missing LINK data group condition of use to 5.10 LINK and 7.15 LINK.

---

Replaced examples text with a condition of use for all Link Nature data elements (5.11, 7.16, 12.4, and 15.4) and all Link Role data elements (5.13, 7.18, 12.6, and 15.6)

---

Expanded acronym DVA in 5.1, 5.2, and 5.3.

---



---

Fixed editorial issues in:

1. Definition of 5.5 Medicare MBS/DVA Item
2. Definition of 5.6 Medicare MBS/DVA Item Values
3. Definition of 5.8 SERVICE REQUESTER
4. Definition and notes of 5.9 SERVICE PROVIDER
5. 7.2 Use (Pharmaceutical Benefit Item Detailed Clinical Model)
6. Notes and Usage (removed) of 7.4 PBS/RPBS Item Code
7. Definition of 7.6 PBS/RPBS Manufacturer Code
8. Definition of 7.13 Quantity
9. Notes of 9.4 MEDICATION ACTION
- 10 Conditions of use of 9.5 and 10.5 Therapeutic Good Identification
11. Permissible values of 9.6 and 10.6 Medicines Terminology
- 12 Definition and Value Domain of 9.7 and 10.7 Reason for Action
- 13 Notes of 9.8 and 10.8 Sequence Number
- 14 Definition of 11.4 VACCINE CANCELLATION REASON
- 15 Definition and notes of 11.5 Vaccine Cancellation Reason Type
- 16 Definition of 11.6 Vaccine Cancellation Reason Type Values
17. 14.2 Use (Australian Organ Donor Register Entry Detailed Clinical Model)
- 18 Definition of 14.4 Date of Initial Registration
- 19 Definition of 14.5 Donation Decision
- 20 Definition of 14.7 through to 14.15 (the Indicator data elements)

---

Moved the Reference List to be the last chapter before the Index and updated to include references to the relevant SCSs and DCM specifications.

---

Updated the UML Diagrams with changes from the data hierarchy.

---

Appendix B. Change History includes latest revision (changes from editorial review).

---

Appendix D. Mapping from Requirements updated to include changes from the Data Hierarchy and names from the Information Requirements.

---

5.2 Use (of Medicare/DVA Funded Service) - slightly reworded the use statement.

---

5.7 Service in Hospital Indicator - replaced "if" with "whether" in the definition and replaced "item would be true where" with "indicator is true if" in the Notes.

---

5.8 SERVICE REQUESTER and 5.9 SERVICE PROVIDER - updated [ABS2006] to [ABS2009].

---

7.3 PHARMACEUTICAL BENEFIT ITEM - updated definition to match DCM definition.

---

9.7 Reason for Action and 10.7 Reason for Action - removed the not relevant example from Notes.

---

10.5 Therapeutic Good Identification - added a comma to the conditions of use as per editorial review comment.

---

---

Appendix A. Known Issues - removed entry for This Page intentionally blank.

---

Appendix A. Known Issues - removed an entry for Medicare Antigen Code values.

---

Appendix C. Specification Guide for Use - replaced “Sometimes” with “This is sometimes” in the entry for Text in the Data Types Legend.

---

Appendix C. Specification Guide for Use - replaced “definition” with “statement” in the Keywords Legend.

---

Appendix C. Specification Guide for Use - corrected the number of Tables 10 and 11 in Relationships Section Legend.

---

Reference List - replaced [ABS2006] with [ABS2009].

---

Reference List - added publication dates and hyperlinks to [NEHT2011aq] and [NEHT2012b].

---

Reference List - added hyperlinks to [NEHT2012bg] and [NEHT2011bt].

---

Reference List - updated [NEHT2012f] to [NEHT2013w].

---

## **Chapter 16 UML Class Diagram**

---

Updated all diagrams.

---

# Appendix C. Specification Guide for Use

## C.1 Overview

Each Detailed Clinical Model (DCM) and Structured Content Specification (SCS) is designed to be a shared basis for data interpretation. It specifies rigorous business and technical definitions of data which systems may need to share. It is intended to be a logical specification of the data to be persisted within or communicated between systems. It is also the foundation for conformance, compliance and accreditation testing of implemented systems. NEHTA's CDA implementation guides are guides to the implementation of HL7 CDA R2 messages based upon these DCMs and SCSs.

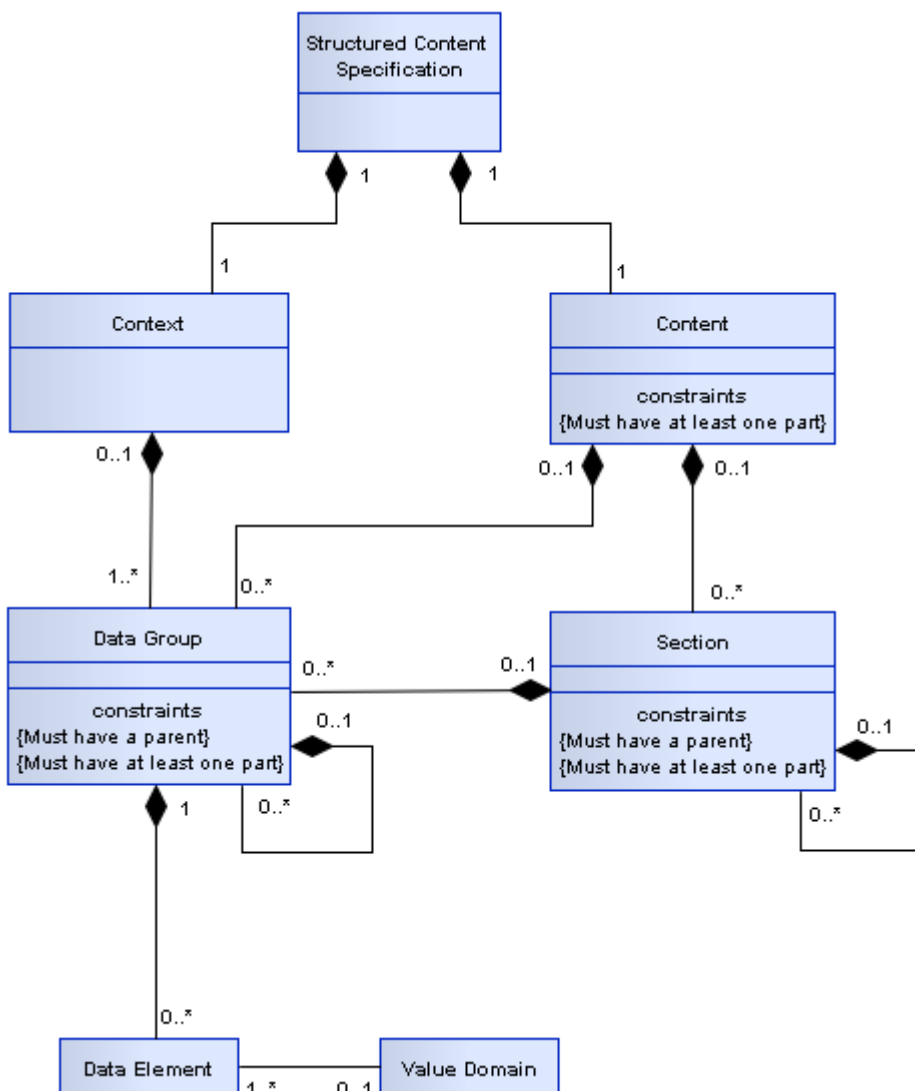
Each DCM specifies all of the data components required for any use of a clinical concept, for instance an entry in a medical record such as a procedure or an imaging test. As such, they are maximal data sets. DCMs are building blocks which are trimmed to size for use in the construction of SCSs.

Each SCS specifies the data for a single type of clinical document or information exchange, such as a discharge summary. It is assembled using DCMs that have been constrained to eliminate data components not relevant to the particular context. For example, *Procedure* in a discharge summary uses only some of the data components required by *Procedure* in a specialist report.

## C.2 The Structured Content Specification Metamodel

The NEHTA Structured Content Specification Metamodel (see Figure 1) is used to specify the overall structure of a Structured Content Specification.

A DCM can be regarded as a data group with no parent.



**Figure 1: SCS Metamodel**

There are two main components used to organise information within an SCS as follows:

- Context: This contains information related to the overall context of the document.
- Content: This contains information that changes between different SCSs, but is always structured as shown, and consists of the following components:
  - Section
  - Data Group
  - Data Element
  - Value Domain

These components are described in more detail below.

## Context

The purpose of the context is to identify and classify the document and to provide subjects of care and involved healthcare providers with the information related to the relevant healthcare events.

## Content

Content contains a collection of personal information and health information pertinent to a subject of care which is derived from the healthcare event described in the document. The detail is organised into one or more data groups which are optionally grouped into sections.

## Section

A section is composed of other sections, data groups, or both. It is an organising container that gives the reader a clue as to the expected content. The primary purpose of a section is to organise information in a manner that is suitable for the primary purpose for which it is collected, and to provide a way to navigate through the data components within the document, thereby enabling more efficient querying. It is recommended that the section support safe reuse for secondary purposes, e.g. clinical coding or inclusion in a summarised form in an electronic health record. A section is context-specific to the document in which it resides.

## Data Group

Each data group is used to represent one concept. A data group consists of other data groups or data elements (or both). Some data groups are reused across DCMs.

Every instance of a data group **SHALL** have at least one child data component instantiated.

## Participation

Participation is a special case of a data group that is based on a data group template, which is reused throughout the DCMs and SCSs. Participations are an amalgam of the Actors (see below) operating within a defined healthcare domain and the Roles they are playing within that domain.

A Participant has been defined to align with the concepts of the NEHTA interoperability framework [NEHT2007b]. It equates to an *Entity* that is related to the action described in an SCS as an *Actor*. A participant can be a human, an organisation or an IT system.

[NEHT2011v] defines the full Participation specification.

## Choice

Choice represents a decision to be made at run-time between a disjunctive mandatory set of data groups defined at design-time, i.e. one and only one member of the set is chosen for each instance of the choice.

For example, at design time a Healthcare Provider provides a service but it is not until run-time that a decision can be made as to whether the provider is a person or an organisation. Hence when a Healthcare Provider Participant is instantiated, it will contain either an instance of the *Person* data group or an instance of the *Organisation* data group.

## Data Element

A data element is the smallest named unit of information in the model that can be assigned a value. For example, *Date Time of Observation* and *Observation Note*. Data elements are bound to data types (see [Data Types Legend](#)). Some data elements are reused in different data groups.

Whilst all data elements are constrained by their data type, some data elements are further constrained by value domains (see [Value Domain](#) below).

## Value Domain

A value domain constrains the permissible values for a data element. The values are often a subset of values based on a generic data type.

Value domains are reusable components and therefore, the same value domain can be referred to by different data elements in different contexts. Value domains are often specified as a reference set. A reference set (or a subset) is a constrained list of SNOMED CT-AU, AMT or LOINC concepts that are appropriate to a particular context. It is noted that many of these reference sets have been developed specifically for the context in which they appear. It is recommended that an assessment of fitness for purpose be undertaken before using any of the reference sets in another context.

Value domains constrain by either specifying a lower or upper bound (or both) on the range of permissible values or else by specifying a finite set of prescribed values. Such a set of prescribed values can be specified directly within the definition of the data element, or in a separate but associated specification or else by reference to one or more vocabulary/terminology reference sets. The table below provides some examples of value domains.

**Table 1: Value Domain Examples**

Data Element	Data Type	Example of Value Domain										
Sex	CodedText	[SA2006a] and [SA2006b] derive their values from METeOR 270263 which includes values such as: <table border="1" data-bbox="614 1279 1340 1509"> <thead> <tr> <th>Value</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Male</td> </tr> <tr> <td>2</td> <td>Female</td> </tr> <tr> <td>3</td> <td>Intersex or Indeterminate</td> </tr> <tr> <td>9</td> <td>Not Stated/Inadequately Described</td> </tr> </tbody> </table>	Value	Meaning	1	Male	2	Female	3	Intersex or Indeterminate	9	Not Stated/Inadequately Described
Value	Meaning											
1	Male											
2	Female											
3	Intersex or Indeterminate											
9	Not Stated/Inadequately Described											
Diagnosis	CodeableText	A SNOMED CT-AU reference set which references concepts such as 'Bronchitis' (Concept ID: 32398004).										
Therapeutic Good Identification	CodeableText	An AMT reference set which references concepts such as 'Ibuprofen Blue (Herron) (ibuprofen 200 mg) tablet: film-coated, 1 tablet' (Concept ID: 54363011000036107).										
Individual Pathology Test Result Name	CodeableText	A LOINC subset which references concepts such as 'Cholesterol [Moles/volume] in Serum or Plasma' (ID: 14647-2).										






## C.3 Icon Legend

These legends describe all icons that are used within the various NEHTA information specifications.

## Metadata Types Legend

The following table explains each of the icons used to represent the metadata types within DCMs and SCSs.


**Table 2: Metadata Types Legend**

Icon	Metadata Types
	Structured Document
	Section
	Data Group
	Participation
	Choice

## Data Types Legend

The following table explains each of the icons used to represent the data types bound to each data element in the SCSs. These data types are a profile of the **ISO 21090-2011** data types as specified in [\[NEHT2010c\]](#).

**Table 3: Data Types Legend**

Icon	Data type	Explanation
	Boolean (ISO 21090: BL)	A primitive data type, sometimes called the logical data type, having one of two values: <i>true</i> and <i>false</i> . Many systems represent true as <i>non-zero</i> (often 1, or -1) and false as <i>zero</i> .
		<p><b>Usage/Examples</b></p> <ul style="list-style-type: none"> <li>An actual value entered by a user might be “yes” or could be chosen by a mouse click on an icon such as <input checked="" type="checkbox"/>.</li> </ul>



**CodeableText**  
(ISO 21090: CD)

Coded text *with* exceptions; a flexible data type to support various ways of holding text, both free text and coded text. Commonly used to support compliance for early adopters of the Structured Content Specifications. While it is recommended that the values in this data type come from the bound value domain, it allows other value domains to also be used (with or without translations to the bound value domain) or free text alternatives. This is a recognition that it may not be possible to define an entire value domain for a complex concept (e.g. *Diagnosis*) or that there may be competing code sets in existence. Note that within exchange specifications or message profiles this data type **MAY** be constrained to mandate compliance with the bound value domain.

**Usage/Examples**

- AIHW Separation Mode specifies the status at separation of a person from an organisation. An early adopter **MAY** have a similar concept (coded or otherwise) that maps to this data element but does not strictly comply with the AIHW values.
- A SNOMED CT-AU coded/complex expression that embodies single or multiple concepts. The SNOMED CT-AU concepts behind these CodeableText components are specified in the Structured Content Specification value domains.



**CodedText**  
(ISO 21090: CD)

Coded text *without* exceptions; text with code mappings. Values in this data type **SHALL** come from the bound value domain, with no exceptions. Often used for reference sets with only a small number of applicable values, e.g. Gender and Document Status.

**Usage/Examples**

[SA2006b] specifies the following value domain representing a type of address:

Value	Meaning
1	Business
2	Mailing or Postal
3	Temporary Accommodation
4	Residential (permanent)
9	Not Stated/Unknown/Inadequately Described








**DateTime**  
(ISO 21090: TS)







Used for specifying a single date or time (or both). Has the ability to indicate a level of precision, but not whether the date or time is estimated. String representations of known dates **SHALL** conform to the nonextended format within the **ISO 21090-2011** standard, i.e. YYYYMMDDHHMMSS.UUUU[+]-ZZzz.

**Usage/Examples**

- Partial dates: 2008, 20081001.
- To indicate 1:20 pm on May the 31st, 1999 for a time zone which is 5 hours behind Coordinated Universal Time (UTC): 19990531132000-0500.



	Duration (ISO 21090: PQ.TIME)	The period of time during which something continues. Consists of a value and a unit which represents the time value, e.g. hours, months. Compound durations are not allowed, e.g. 10 days 3 weeks 5 hours.
		<b>Usage/Examples</b>
		<ul style="list-style-type: none"> <li>• 3 hours</li> <li>• 6 months</li> <li>• 1 year</li> </ul>
	Any (ISO 21090: ANY)	Represents a data element where the data type to be used is conditional on another data component. The values that can be required will vary considerably depending on the context. Note that this is an abstract data type that is the basis for all data types and <b>SHOULD NOT</b> be used in an actual implementation.
	EncapsulatedData (ISO 21090: ED)	Data that is primarily intended for human interpretation or for further machine processing outside the scope of this specification. This includes unformatted or formatted written language, multimedia data, or structured information as defined by a different standard (e.g. XML signatures).
		<b>Usage/Examples</b>
		<ul style="list-style-type: none"> <li>• JPEG images</li> <li>• HTML documents</li> <li>• <a href="#">[RFC1521]</a> MIME types</li> </ul>
	Integer (ISO 21090: INT)	The mathematical data type comprising the exact integral values (according to <a href="#">[NEHT2010c]</a> ).
		<b>Usage/Examples</b>
		<ul style="list-style-type: none"> <li>• 1</li> <li>• -50</li> <li>• 125</li> </ul>
	Link (ISO 21090: TEL)	This is a general link, reference or pointer to an object, data or application that exists logically or is stored electronically in a computer system.
		<b>Usage/Examples</b>
		<ul style="list-style-type: none"> <li>• URL (Uniform Resource Locator) – the World Wide Web address of a site on the internet, such as the URL for the Google internet search engine – <i>http://www.google.com</i>.</li> <li>• An absolute or relative path within a file or directory structure – e.g. in the Windows® operating system, the “link” or absolute path to a particular letter could be <i>C:\Documents and Settings\GuestUser\MyDocuments\letter.doc</i></li> </ul>

	Quantity (ISO 21090: PQ)	Used for recording many real world measurements and observations. Includes the magnitude value and the units.
<b>Usage/Examples</b>		
<ul style="list-style-type: none"> <li>• 100 centimetres</li> <li>• 25.5 grams</li> </ul>		
	QuantityRatio (ISO 21090: RTO)	The relative magnitudes of two <i>Quantity</i> values (usually expressed as a quotient).
<b>Usage/Examples</b>		
<ul style="list-style-type: none"> <li>• 25 mg/500 ml</li> <li>• 200 mmol per litre</li> </ul>		
	QuantityRange (ISO 21090: IVL)	Two <i>Quantity</i> values that define the minimum and maximum values, i.e. lower and upper bounds. This is typically used for defining the valid range of values for a particular measurement or observation. Unbounded quantity ranges can be defined by not including a minimum and/or a maximum quantity value.
<b>Usage/Examples</b>		
<ul style="list-style-type: none"> <li>• -20 to 100 Celsius</li> <li>• 30-50 mg</li> <li>• &gt;10 kg</li> </ul>		
	Real (ISO 21090: REAL)	A computational approximation to the standard mathematical concept of real numbers. These are often called floating-point numbers.
<b>Usage/Examples</b>		
<ul style="list-style-type: none"> <li>• 1.075</li> <li>• -325.1</li> <li>• 3.14157</li> </ul>		
	Text (ISO 21090: ST)	Character strings (with optional language). Unless otherwise constrained by an implementation, can be any combination of alpha, numeric or symbols from the Unicode character set. This is sometimes referred to as free text.
<b>Usage/Examples</b>		
<p>“The patient is a 37 year old man who was referred for cardiac evaluation after complaining of occasional palpitations, racing heart beats and occasional dizziness.”</p>		
	TimeInterval (ISO 21090: TS)	An interval in time, with (optionally) a start date/time and (optionally) an end date/time and/or a duration/width.
<b>Usage/Examples</b>		
<ul style="list-style-type: none"> <li>• 01/01/2008 – 31/12/2008</li> <li>• 1:30 a.m. – 6:00 p.m., duration/width = 16.5 hours</li> </ul>		



**UniqueIdentifier** A general unique value to identify a physical or virtual object or concept.

(ISO 21090: II) In using this data type, the attributes of the UniqueIdentifier data type **SHOULD** be populated from the identifiers as defined in AS 4846 (2006) [SA2006a] and AS 5017 (2006) [SA2006b] as follows:

- *root*: a globally unique object identifier that identifies the combination of geographic area, issuer and type. If no such globally unique object identifier exists, it **SHALL** be created.
- *extension*: a unique identifier within the scope of the root that is directly equivalent to the identifier designation element.
- *identifierName*: a human readable name for the namespace represented by the root that is populated with the issuer or identifier type values, or a concatenation of both, as appropriate. The content of this attribute is not intended for machine processing and **SHOULD NOT** be used for that purpose.
- *identifierScope*: the geographic span or coverage that applies to or constrains the identifier. It is directly equivalent to the geographic area element. The content of this attribute is not intended for machine processing and **SHOULD NOT** be used as such.

Also, the following constraints apply on the UniqueIdentifier data type:

1. The *root* attribute **SHALL** be used.
2. For an entity identifier, the *root* attribute **SHALL** be an OID that consists of a node in a hierarchically-assigned namespace, formally defined using the ITU-T's ASN.1 standard.
3. For an entity identifier, the *root* attribute **SHALL NOT** be a UUID.
4. The *extension* attribute **SHALL** be used.

#### Usage/Examples

IHIs, HPI-Is, HPI-Os and patient hospital medical record numbers are examples of identifiers that **MAY** be carried by this data type.

## Keywords Legend

Where used in this document and in DCMs and SCSs, the keywords **SHALL**, **SHOULD**, **MAY**, **SHALL NOT** and **SHOULD NOT** are to be interpreted as described in [RFC2119].

The following table defines these keywords.

**Table 4: Keywords Legend**

Keyword	Interpretation
<b>SHALL</b>	This word, or the term 'required', means that the statement is an absolute requirement of the specification.
<b>SHOULD</b>	This word, or the adjective 'recommended', means that there <b>MAY</b> exist valid reasons in particular circumstances to ignore a particular component, but the full implications <b>SHALL</b> be understood and carefully weighed before choosing a different course.

<b>MAY</b>	This word, or the adjective ‘optional’, means that a component is truly optional. One implementer may choose to include the component because a particular implementation requires it, or because the implementer determines that it enhances the implementation, while another implementer may omit the same component. An implementation that does not include a particular option <b>SHALL</b> be prepared to interoperate with another implementation that does include the option, perhaps with reduced functionality. In the same vein, an implementation that does include a particular option <b>SHALL</b> be prepared to interoperate with another implementation that does not include the option (except of course, for the feature the option provides).
<b>SHALL NOT</b>	This phrase means that the statement is an absolute prohibition of the specification.
<b>SHOULD NOT</b>	This phrase, or the phrase ‘not recommended’ means that there <b>MAY</b> exist valid reasons in particular circumstances when the particular behaviour is acceptable or even useful, but the full implications <b>SHOULD</b> be understood and the case carefully weighed before implementing any behaviour described with this label.

## Obligation Legend

Obligation in DCMs or SCSs specifies whether or not a data component **SHALL** be populated in the logical record architecture of a message. NEHTA intends that all data components will be implemented.

Implementation guides specify the rules and formats for implementing and populating data components in specific messaging formats.

The following table defines the obligations.

**Table 5: Obligations Legend**

<b>Keyword</b>	<b>Interpretation</b>
<b>ESSENTIAL</b>	Indicates that the data component is considered a mandatory component of information and <b>SHALL</b> be populated.  <b>Usage/Examples:</b>  The Participant component for a Subject of Care <b>SHALL</b> include an Entity Identifier data component in order to hold the IHI.
<b>OPTIONAL</b>	Indicates that the data component is not considered a mandatory component of information and <b>MAY</b> be populated.  <b>Usage/Examples:</b>  This is only needed when a DCM incorrectly asserts that a data component is <b>ESSENTIAL</b> . It will be used with a note stating that the DCM needs revision.
<b>PROHIBITED</b>	Indicates that the data component is considered a forbidden component of information and <b>SHALL NOT</b> be populated.  <b>Usage/Examples:</b>  Within a Participation data group depicting a Subject of Care, the Participation Healthcare Role <b>SHALL NOT</b> be completed.

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<b>CONDITIONAL</b>	<p>Indicates that a data component is considered <b>ESSENTIAL</b> only on satisfaction of a given condition. Individual data components specify the obligation of the data component when the condition is not met.</p> <p>When a condition is met, the data component is considered to be <b>ESSENTIAL</b> and <b>SHALL</b> be populated.</p> <p>When a condition is not met, the data component may be considered as <b>PROHIBITED</b>, or the data component may be considered <b>OPTIONAL</b>.</p> <p><b>Usage/Examples:</b></p> <p>Within a Pathology Result Report, the <i>Specimen Detail</i> data group is <b>ESSENTIAL</b> if the requested test is to be performed on a specimen, otherwise it <b>SHALL NOT</b> be populated.</p>
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Where **ESSENTIAL** child data components are contained within **OPTIONAL** parent data components, the child data components only need to be populated when the parent is populated.

## C.4 Information Model Specification

### Parts Legends

This section illustrates the format and parts used to define each section, data group and data element within NEHTA's information model specifications and identifies when each part is applicable.

### Data Hierarchy

The top-level component contains a data hierarchy. Each row contains information about a single data component. The entries are nested to represent inclusion of one component in another. Each entry contains at least three occupied cells. The left-most cell contains an icon to indicate the entry's data type. The next cell to the right contains the label and description of the component (if the label is different from the name, the name is displayed in brackets after the label). The next cell to the right contains the multiplicity range for the data component.

The right-hand side of the data hierarchy may contain one or more columns under the heading "Core Requirement". Each column contains information for one document exchange scenario. A cell that is empty indicates that the data component on that row is **OPTIONAL** to implement. That is, software that creates documents made in conformance with this specification **MAY** exclude the data component; and software that reads documents made in conformance with this specification **MAY** ignore the data component. All other components **SHALL** be implemented.

In an SCS, a component may be prohibited, that is, it occurs in the referenced DCM but it **SHALL NOT** be included in documents created according to the SCS. This is represented by a multiplicity range of 0..0. The text of the entry is also in a ~~strike through~~ font and it has a grey background.

### Chapter Name

Each section, data group, data element, value domain or choice has its own eponymous chapter. The chapter name is used in all data hierarchies.

## Identification Section Legend

The following table illustrates the layout of the Identification section and describes the various parts of the section.

**Table 6: Identification Section Legend**

<b>Label</b>	A suggested display name for the component. (Source NEHTA.)
<b>Metadata Type</b>	The type of the component, e.g. section, data group or data element. (Source NEHTA.)
<b>Identifier</b>	A NEHTA assigned internal identifier of the concept represented by the component. (Source NEHTA.)
<b>OID</b>	An object identifier that uniquely identifies the concept represented by the data component. (Source NEHTA.)
<b>External Identifier</b>	An identifier of the concept represented by the data component that is assigned by an organisation other than NEHTA. (Source NEHTA.)

## Definition Section Legend

The following table illustrates the layout of the Definition section and describes the various parts of the section.

**Table 7: Definition Section Legend**

<b>Definition</b>	The meaning, description or explanation of the data component. (Source NEHTA.)
<b>Definition Source</b>	The authoritative source for the Definition statement.
<b>Synonymous Names</b>	A list of any names the data component <b>MAY</b> also be known as. (Source NEHTA.)
<b>Scope</b>	Implementers <b>MAY</b> prefer to use synonymous names to refer to the component in specific contexts.
<b>Scope Source</b>	Situations in which the data component may be used, i.e. the extent and capacity within which this data component may be used, including the circumstances under which the collection of specified data is required or recommended.
<b>Context</b>	For example, Medication Instruction (data group) has a scope which includes all prescribable therapeutic goods, both medicines and non-medicines.
<b>Context</b>	This attribute is not relevant to data elements or value domains. (Source NEHTA.)
<b>Context</b>	The authoritative source for the Scope statement.
<b>Context</b>	The environment in which the data component is meaningful, i.e. the circumstance, purpose and perspective under which this data component is defined or used.

<b>Assumptions</b>	For example, Street Name has a context of Address. (Source NEHTA.) Suppositions and notions used in defining the data component. (Source NEHTA.)
<b>Assumptions Source</b>	The authoritative source for the Assumptions statement.
<b>Notes</b>	Informative text that further describes the data component, or assists in the understanding of how the data component can be used. (Source NEHTA.)
<b>Notes Source</b>	The authoritative source for the Notes statement.
<b>Data Type</b>	The data type of the data element, e.g. DateTime or Text. (Source NEHTA.)  The data type is applicable only to data elements.
<b>Value Domain</b>	The valid data types are specified in the <a href="#">Data Types Legend</a> .  The name and identifier of the terminologies, code sets and classifications to define the data element value range, or a statement describing what values to use in the absence of a defined value domain for the related data element.  In the absence of national standard code sets, the code sets used <b>SHALL</b> be registered code sets, i.e. registered through the HL7 code set registration procedure with an appropriate object identifier (OID), and <b>SHALL</b> be publicly available.  When national standard code sets become available, they <b>SHALL</b> be used and the non-standard code sets <b>SHALL</b> be deprecated. (Source NEHTA.)  The Value Domain is applicable only to CodedText and CodeableText data elements.

## Value Domain Section Legend

The following table illustrates the layout of the Value Domain section and describes the various parts of the section.

### Table 8: Value Domain Section Legend

<b>Source</b>	The name of the terminology or vocabulary from which the value domain's permissible values are sourced, e.g. SNOMED CT-AU, LOINC.
<b>Version Number</b>	Version number of the value domain source.
<b>Permissible Values</b>	List of permissible values in the value domain.

## Usage Section Legend

The following table illustrates the layout of the Usage section and describes the various parts of the section.

### Table 9: Usage Section Legend

<b>Examples</b>	One or more demonstrations of the data that is catered for by the data element. (Source NEHTA.)
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	<p>Where a data element has an associated value domain, examples representative of that domain are used where possible. Where the value domain is yet to be determined, an indicative example is provided.</p> <p>Implementation guides <b>MAY</b> contain specific examples for how data elements <b>SHALL</b> be populated and how they relate to each other.</p> <p>The Value Domain is applicable only to CodedText and CodeableText data elements.</p>
<b>Conditions of Use</b>	Prerequisites, provisos or restrictions for use of the component. (Source NEHTA.)
<b>Conditions of Use Source</b>	The authoritative source for the Conditions of Use statement.
<b>Misuse</b>	Incorrect, inappropriate or wrong uses of the component. (Source NEHTA.)
<b>Default Value</b>	A common denomination, or at least a usable denomination, from the Value Domain where available or applicable, typically assigned at the creation of an instance of the component. (Source NEHTA.)

## Relationships Section Legend

The Relationships section specifies the cardinality and conditionality between parent and child data components. Note that if no components in either table have any conditions, then the condition column will be omitted for that table.

The following table illustrates the layout of the Parent relationships table. Note that the occurrences and conditions in the relationships described by this table are from the parent to the child component, i.e. from the component listed in the table to the component described by the section.

**Table 10: Parent Legend**

Data Type	Name	Occurrences (child within parent)	Condition
The icon illustrating the metadata type or data type.	Parent Component Name	The minimum and maximum number of instances of the component described on this page that <b>SHALL</b> occur.	The conditions that <b>SHALL</b> be met to include the data element. Only applicable for elements with a conditional obligation.

The following table illustrates the layout of the Children relationships table.

**Table 11: Children Legend**

Data Type	Name	Occurrences	Condition
The icon illustrating the metadata type or data type.	Child Component Name	The minimum and maximum number of instances of the component described on this page that <b>SHALL</b> occur.	The conditions that <b>SHALL</b> be met to include this child data element. Only applicable for elements with a conditional obligation.



# Appendix D. Mappings from Requirements

This appendix lists data elements from the [NEHTA Information Requirements - Medicare Overview \[NEHT2012g\]](#) document and matches them to their associated data elements in this Structured Content Specification (SCS) augmented with [NEHTA Participation Data Specification \[NEHT2011v\]](#).

Some cells in the mapping table are empty. This is used to indicate that the cell has the same value as the cell immediately above it.

Requirement Section	Data Item	SCS Data Element
4 Individual	Component	Subject of Care [SOC]
	Person Identifier	[SOC].Participant.Entity Identifier
	N/A	[SOC].Participant.Person or Organisation or Device.Person [SOC.P.POD.P]
	Person Name	[SOC.P.POD.P].Person Name
	Sex	[SOC.P.POD.P].Demographic Data.Sex
	Date of Birth	[SOC.P.POD.P].Demographic Data.Date of Birth Detail.Date of Birth
	Calculated Age	[SOC.P.POD.P].Demographic Data.Age Detail.Age
5 Medicare Information View	Component	<p><i>This component is provided by one of the following:</i></p> <ul style="list-style-type: none"> <li>• Medicare Overview Exclusion Statement (EXCLUSION STATEMENT) <i>or</i></li> <li>• MEDICARE/DVA FUNDED SERVICES HISTORY [MDVAFSH] <i>or</i></li> <li>• PHARMACEUTICAL BENEFITS HISTORY [PBH] <i>or</i></li> <li>• AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY [ACIRH] <i>or</i></li> <li>• AUSTRALIAN ORGAN DONOR REGISTER INFORMATION [AODRI] <i>or</i></li> </ul>
		Medicare Overview Exclusion Statement (EXCLUSION STATEMENT).General Statement
6 Medicare Benefits Scheme (MBS) and Department of Veterans' Affairs (DVA)	Component	MEDICARE/DVA FUNDED SERVICES HISTORY [MDVAFSH]
		[MDVAFSH].EXCLUSION STATEMENT
		[MDVAFSH].MEDICARE/DVA FUNDED SERVICES [MDVAFSH.MDVAFS]

Requirement Section	Data Item	SCS Data Element
	N/A	[MDVAFSH.MDVAFS].MEDICARE/DVA FUNDED SERVICE [MDVAFSH.MDVAFS.MDVAFs]
	Link to Source Document	[MDVAFSH.MDVAFS.MDVAFs].Medicare/DVA Funded Service Document Link (LINK)
	Date of Service	[MDVAFSH.MDVAFS.MDVAFs].Date of Service
	Service In-Hospital Indicator	[MDVAFSH.MDVAFS.MDVAFs].Service In-Hospital Indicator
	Item Number	[MDVAFSH.MDVAFS.MDVAFs].Medicare MBS/DVA Item
	Brief Item Description	[MDVAFSH.MDVAFS.MDVAFs].Medicare MBS/DVA Item
	Service Provider Name	[MDVAFSH.MDVAFS.MDVAFs].SERVICE PROVIDER
7 Pharmaceutical Benefits Scheme (PBS) and Repatriation Pharmaceutical Benefits Scheme (RPBS)	Component	PHARMACEUTICAL BENEFITS HISTORY [PBH]
		[PBH].EXCLUSION STATEMENT
		[PBH].PHARMACEUTICAL BENEFIT ITEMS [PBH.PBIS]
	N/A	[PBH.PBIS].PHARMACEUTICAL BENEFIT ITEM [PBH.PBIS.PBI]
	Link to Source Document	[PBH.PBIS.PBI].Pharmaceutical Benefit Item Document Link (LINK)
	Date of Prescribing	[PBH.PBIS.PBI].Date of Prescribing
	Date of Supply	[PBH.PBIS.PBI].Date of Supply
	Item Code	[PBH.PBIS.PBI].PBS/RPBS Item Code
	Brand	[PBH.PBIS.PBI].Brand (Pharmaceutical Item Brand)
	Item Generic Name	[PBH.PBIS.PBI].Item Generic Name (Pharmaceutical Item Generic Name)
	Item Form and Strength	[PBH.PBIS.PBI].Item Form and Strength (Pharmaceutical Item Form and Strength)
	Quantity	[PBH.PBIS.PBI].Quantity
	Number of Repeats	[PBH.PBIS.PBI].Number of Repeats
8 Australian Childhood Immunisation Register (ACIR)	Component	AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER HISTORY [ACIRH]
		[ACIRH].EXCLUSION STATEMENT
		[ACIRH].AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRIES [ACIRH.ACIRE]

Requirement Section	Data Item	SCS Data Element
	Link to Source Document	[ACIRH.ACIRE].Australian Childhood Immunisation Register Entries Document Link (LINK)
	N/A	[ACIRH.ACIRE].AUSTRALIAN CHILDHOOD IMMUNISATION REGISTER ENTRY [ACIRH.ACIRE.ACIRe]
	Date Vaccination Received	[ACIRH.ACIRE.ACIRe].VACCINE ADMINISTRATION ENTRY.Vaccine Administration (MEDICATION ACTION).Date Vaccination Received (Medication Action DateTime)
	Vaccine Type and Vaccine Description	<p><i>These 2 elements are captured in either:</i></p> <ul style="list-style-type: none"> <li>[ACIRH.ACIRE.ACIRe].VACCINE ADMINISTRATION ENTRY.Vaccine Administration (MEDICATION ACTION).Vaccine Type (Therapeutic Good Identification) or</li> <li>[ACIRH.ACIRE.ACIRe].VACCINE CANCELLATION ENTRY.Vaccine Cancellation (MEDICATION ACTION).Vaccine Type (Therapeutic Good Identification)</li> </ul> <p><i>depending on whether they describe an administered vaccine or a cancelled vaccine respectively.</i></p>
	Vaccine Dose Number	<p><i>This element is captured in either:</i></p> <ul style="list-style-type: none"> <li>[ACIRH.ACIRE.ACIRe].VACCINE ADMINISTRATION ENTRY.Vaccine Administration (MEDICATION ACTION).Vaccine Dose Number (Sequence Number) or</li> <li>[ACIRH.ACIRE.ACIRe].VACCINE CANCELLATION ENTRY.Vaccine Cancellation (MEDICATION ACTION).Vaccine Dose Number (Sequence Number)</li> </ul> <p><i>depending on whether it describes an administered vaccine or a cancelled vaccine respectively.</i></p>
	Antigen Description	<p><i>This element is captured in either:</i></p> <ul style="list-style-type: none"> <li>[ACIRH.ACIRE.ACIRe].VACCINE ADMINISTRATION ENTRY.Vaccine Administration (MEDICATION ACTION).Medicare Antigen Code (Reason for Action) or</li> <li>[ACIRH.ACIRE.ACIRe].VACCINE CANCELLATION ENTRY.Vaccine Cancellation (MEDICATION ACTION).Medicare Antigen Code (Reason for Action)</li> </ul> <p><i>depending on whether it describes an administered vaccine or a cancelled vaccine respectively.</i></p>
	Medical Contraindication Start Date and Medical Contraindication End Date	<p><i>These 2 elements are captured in</i> [ACIRH.ACIRE.ACIRe].VACCINE CANCELLATION ENTRY.VACCINE CANCELLATION REASON.Period (Vaccine Cancellation Reason Period) <i>when the runtime value of the sibling node Type (Vaccine Cancellation Reason Type) is "Medical Contraindication".</i></p>

Requirement Section	Data Item	SCS Data Element
	Medical Contraindication Description	<i>This element is captured in [ACIRH.ACIRE.ACIRe].VACCINE CANCELLATION ENTRY.VACCINE CANCELLATION REASON.Comment (Vaccine Cancellation Reason Comment) when the runtime value of the sibling node Type (Vaccine Cancellation Reason Type) is "Medical Contraindication".</i>
	Natural Immunity Start Date and Natural Immunity End Date	<i>These 2 elements are captured in [ACIRH.ACIRE.ACIRe].VACCINE CANCELLATION ENTRY.VACCINE CANCELLATION REASON.Period (Vaccine Cancellation Reason Period) when the runtime value of the sibling node Type (Vaccine Cancellation Reason Type) is "Natural Immunity".</i>
	Natural Immunity Description	<i>This element is captured in [ACIRH.ACIRE.ACIRe].VACCINE CANCELLATION ENTRY.VACCINE CANCELLATION REASON.Comment (Vaccine Cancellation Reason Comment) when the runtime value of the sibling node Type (Vaccine Cancellation Reason Type) is "Natural Immunity".</i>
9 Australian Organ Donor Register (AODR)	Component	AUSTRALIAN ORGAN DONOR REGISTER INFORMATION [AODRI]
		[AODRI].EXCLUSION STATEMENT
		[AODRI].AUSTRALIAN ORGAN DONOR REGISTER DETAILS [AODRI.AODRD]
	Link to Source Document	[AODRI.AODRD].Australian Organ Donor Register Details Document Link (LINK)
	<i>Donor Nominations Exist</i>	<i>Not mapped in this SCS as the value is inferred by the presence of the AODR register entry.</i>
	N/A	[AODRI.AODRD].AUSTRALIAN ORGAN DONOR REGISTER ENTRY [AODRI.AODRD.AODRE]
	Date of Registration	[AODRI.AODRD.AODRE].Date of Initial Registration
	Donor Decision	[AODRI.AODRD.AODRE].Donation Decision
	N/A	[AODRI.AODRD.AODRE].ORGAN AND TISSUE DONATION DETAILS [AODRI.AODRD.AODRE.OATDD]
	Bone Tissue Indicator	[AODRI.AODRD.AODRE.OATDD].Bone Tissue Indicator
	Eye Tissue Indicator	[AODRI.AODRD.AODRE.OATDD].Eye Tissue Indicator
	Heart Indicator	[AODRI.AODRD.AODRE.OATDD].Heart Indicator
	Heart Valve Indicator	[AODRI.AODRD.AODRE.OATDD].Heart Valve Indicator
	Kidney Indicator	[AODRI.AODRD.AODRE.OATDD].Kidney Indicator
	Liver Indicator	[AODRI.AODRD.AODRE.OATDD].Liver Indicator
	Lungs Indicator	[AODRI.AODRD.AODRE.OATDD].Lungs Indicator

Requirement Section	Data Item	SCS Data Element
	Pancreas Indicator	[AODRI.AODRD.AODRE.OATDD].Pancreas Indicator
	Skin Tissue Indicator	[AODRI.AODRD.AODRE.OATDD].Skin Tissue Indicator

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