



Structured Content Specification

PCEHR Prescription and Dispense View
Version 1.0

30 April 2013

Approved for External Release

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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.

Related documents

Name	Version/Release Date
PCEHR Prescription and Dispense View Information Requirements	Version 1.0, Issued 23 October 2012
Participation Data Specification	Version 3.2, Issued 20 July 2011
PCEHR Prescription Record Structured Content Specification	Version 1.0, Issued To be published
PCEHR Dispense Record Structured Content Specification	Version 1.0, Issued To be published

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1 Introduction

This document is a Structured Content Specification (SCS) for the National Prescribing Dispensing Repository's (NPDR's) Prescription and Dispense View.

[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 best. Therefore, it is 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.

1.1 Document Purpose

This document describes the Structured Content Specification for the Prescription and Dispense View. It specifies the information structure of NEHTA-compliant health information consolidated from PCEHR Prescription Records (described in [PCEHR Prescription Record Structured Content Specification \[NEHT2012k\]](#)) and PCEHR Dispense Records (described in [PCEHR Dispense Record Structured Content Specification \[NEHT2012m\]](#)).

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 Prescription and Dispense View documents from the PCEHR.

It is also a key input to the [PCEHR Prescription and Dispense View CDA Implementation Guide \[NEHT2012r\]](#), which describes how to implement NEHTA-compliant Prescription and Dispense View documents using the [HL7 Clinical Document Architecture \[HL7CDAR2\]](#).

1.2 Intended Audience

This document is aimed at software development teams, architects, designers, clinicians and informatics researchers who are responsible for the delivery of clinical applications, infrastructure components and messaging interfaces and also 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 Prescription and Dispense View exchanges 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 B, Known Issues](#).

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2 PCEHR Prescription and Dispense View Structured Document

2.1 Purpose

To support the NPDR document PCEHR Prescription and Dispense View.

2.2 Use

Used to hold information collated from PCEHR Prescription Record and PCEHR Dispense Record.

2.3 PCEHR PRESCRIPTION AND DISPENSE VIEW

Identification

Label	PCEHR PRESCRIPTION AND DISPENSE VIEW
Metadata Type	Structured Document
Identifier	SD-16789
OID	1.2.36.1.2001.1001.101.100.16789








Definition

























Definition	A collection of reports about prescribing and dispensing events for a subject of care.
Definition Source	NEHTA
Synonymous Names	
























Usage

























Conditions of Use	Each instance of this composition SHALL have one instance of Exclusion Statement or one instance of Prescribing and Dispensing Reports, but not instances of both.
Conditions of Use Source	NEHTA

























Data Hierarchy

























	PCEHR PRESCRIPTION AND DISPENSE VIEW		
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

		PCEHR Prescription and Dispense View Instance Identifier		0..1
		LINK		0..0
		Structured Document Identifier		1..1
CONTENT				
		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
		Prescribing and Dispensing Reports (SUMMARIES OF MEDICATION ENTRIES)		0..1
		MEDICATION ENTRIES WITH SUMMARY		1..*
		SUMMARY OF MEDICATION ENTRIES		1..1
			Therapeutic Good Identification	1..1
			DateTime Prescription Written (DateTime Earliest Prescription Written)	0..1
			DateTime Latest Prescription Written	0..0
			DateTime of Earliest Dispense Event	0..1
			DateTime of Latest Dispense Event	0..1
			Total Number of Known Supplies	0..1
			Maximum Number of Permitted Supplies	0..1
			INFORMATION PROVIDER	0..0
			SUBJECT	0..0
		Summary of Medication Entries Instance Identifier		0..0
		LINK		0..0

				Detailed Clinical Model Identifier	0..0
				MEDICATION ENTRY	1..*
				Dispense Item (MEDICATION ACTION)	0..1
				Therapeutic Good Identification	1..1
				Therapeutic Good Strength (Additional Therapeutic Good Detail)	0..1
				Therapeutic Good Generic Name (Additional Therapeutic Good Detail)	0..1
				Additional Dispensed Item Description (Additional Therapeutic Good Detail)	0..1
				Label Instruction (Medication Action Instructions)	0..1
				Formula	0..1
				Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..1
				ACTIVE INGREDIENT	0..0
				Form	1..1
				INACTIVE INGREDIENT	0..0
				Reason (Reason for Action)	0..0
				Quantity Dispensed (AMOUNT OF MEDICATION)	0..1
				Quantity	0..0
				Dose Unit	0..0
				Quantity Description	1..1
				Comment (Medication Action Comment)	0..1
				Sequence Number	0..0
				Administration (MEDICATION ADMINISTRATION)	0..0
				Brand Substitution Occurred	0..1
				Batchid (Batch Identifier)	0..0

					Date of Expiry (Expiry Date)	0..0
					DISPENSED TO	0..0
					Number of this Dispense	0..1
					Maximum Number of Repeats	0..1
					Claim Category	0..0
					Administrative Item Code	0..0
					PBS Manufacturer Code (Administrative Manufacturer Code)	0..1
					Unique Pharmacy Prescription Number (Administrative System Identifier)	0..1
					INFORMATION PROVIDER	0..0
					SUBJECT	0..0
					DateTime of Dispense Event (Medication Action DateTime)	1..1
					Dispense Item Identifier (Medication Action Instance Identifier)	1..1
					Dispense Record Link (LINK)	1..1
					Link Nature	1..1
					Link Role	1..1
					Link Target	1..1
					Prescription Item Link (LINK)	0..1
					Link Nature	1..1
					Link Role	1..1
					Link Target	1..1
					Detailed Clinical Model Identifier	0..0
					Prescription Item (MEDICATION INSTRUCTION)	0..1
					Therapeutic Good Identification	1..1
					Therapeutic Good Strength (Additional Therapeutic Good Detail)	0..1

						Therapeutic Good Generic Name (Additional Therapeutic Good Detail)	0..1
						Directions	0..1
						Formula	0..1
						Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..1
						ACTIVE INGREDIENT	0..0
						Form	1..1
						INACTIVE INGREDIENT	0..0
						Dose-Description	0..0
						Structured Dose (AMOUNT OF MEDICATION)	0..0
						Timing (MEDICATION TIMING)	0..0
						Additional Instruction	0..0
						Clinical Indication	0..1
						Administration Details (MEDICATION ADMINISTRATION)	0..1
						Route	1..1
						Site (Anatomical Site)	0..0
						Delivery Method (Medication Delivery Method)	0..0
						Dose Duration	0..0
						Intravenous Details (Intravenous Administration Details)	0..0
						Comment (Medication Instruction Comment)	0..1
						DISPENSING	1..1
						Quantity to Dispense (AMOUNT OF MEDICATION)	1..1
					 	Quantity	0..0
						Dose Unit	0..0

							Quantity Description	1..1
							Maximum Number of Repeats (Number of Repeats)	0..1
							Minimum Interval Between Repeats	0..1
							Brand Substitution Permitted	0..1
							Grounds for Concurrent Supply	0..0
							Dispensing Instructions	0..0
							Change Type	0..0
							Change or Recommendation? (Change Status)	0..0
							Change Description	0..0
							Change Reason (Change or Recommendation Reason)	0..0
							Indication for Authorised Use	0..0
							Medication Instruction ID	0..0
							Concession Benefit	0..0
							DateTime Prescription Written (DateTime Medication Instruction Written)	1..1
							PBS Manufacturer Code (Administrative Manufacturer Code)	0..1
							INFORMATION PROVIDER	0..0
							SUBJECT	0..0
							Medication Instruction Narrative	0..0
							DateTime Prescription Expires (DateTime Medication Instruction Expires)	1..1
							Prescription Item Identifier (Medication Instruction Instance Identifier)	1..1
							Prescription Record Link (LINK)	1..1
							Link Nature	1..1
							Link Role	1..1
							Link Target	1..1

						Detailed Clinical Model Identifier	0..0
--	--	--	--	--	---	------------------------------------	------

2.4 SUBJECT OF CARE

Identification

Label	SUBJECT OF CARE
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296

Definition

Definition	Identifies the person about whom the health information contained in this NPDR Prescribing/Dispensing View has been captured.
Definition Source	NEHTA
Synonymous Names	Patient
Notes	The Subject of Care's Medicare card number is recorded in ENTITLEMENT, not in Entity Identifier.


Usage

Conditions of Use	<p>This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2011v].</p> <p>The following constraints are additional to those specified in Participation Data Specification [NEHT2011v]. Constraints are explained in Appendix C, Specification Guide for Use.</p> <p>Additional obligation and occurrence constraints:</p> <ul style="list-style-type: none"> • Participation Period is PROHIBITED. • LOCATION OF PARTICIPATION is PROHIBITED. • Entity Identifier is ESSENTIAL. • Relationship to Subject of Care is PROHIBITED. • EMPLOYMENT DETAIL is PROHIBITED. • DEMOGRAPHIC DATA is ESSENTIAL. • Sex is ESSENTIAL. • DATE OF BIRTH DETAIL is ESSENTIAL. • DATE OF DEATH DETAIL is PROHIBITED. • Source of Death Notification is PROHIBITED. • Mothers Original Family Name is PROHIBITED.
--------------------------	--

Conditions of Use Source	<ul style="list-style-type: none"> • Country of Birth is PROHIBITED. • State/Territory of Birth is PROHIBITED. • Qualifications is PROHIBITED. <p>Other additional constraints:</p> <ul style="list-style-type: none"> • Participation Type SHALL have an implementation-specific value equivalent to "Subject of Care". • Role SHALL have an implementation-specific value equivalent to "Patient". • The value of one Entity Identifier SHALL be an Australian IHI. • AUSTRALIAN OR INTERNATIONAL ADDRESS SHALL be instantiated as an AUSTRALIAN ADDRESS. • PERSON OR ORGANISATION OR DEVICE SHALL be instantiated as a PERSON. <p>NEHTA</p>
---------------------------------	--

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	1..1

2.5 DOCUMENT AUTHOR

Identification

Label	DOCUMENT AUTHOR
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296

Definition


Definition	The device which composed the PCEHR Prescription and Dispense View.
Definition Source	NEHTA
Synonymous Names	

Usage

Conditions of Use	<p>This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2011v].</p> <p>The following constraints are additional to those specified in Participation Data Specification [NEHT2011v]. Constraints are explained in Appendix C, Specification Guide for Use.</p> <p>Additional obligation and occurrence constraints:</p> <ul style="list-style-type: none"> • LOCATION OF PARTICIPATION is PROHIBITED. • ADDRESS is PROHIBITED. • ELECTRONIC COMMUNICATION DETAIL is PROHIBITED. • ENTITLEMENT is PROHIBITED. • Qualifications is PROHIBITED. <p>Other additional constraints:</p> <ul style="list-style-type: none"> • Participation Type SHALL have an implementation-specific value equivalent to "Document Author". • Role SHALL have an implementation-specific value equivalent to "Not Applicable". • PERSON OR ORGANISATION OR DEVICE SHALL be instantiated as a DEVICE.
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	1..1

2.6 DateTime Authored

Identification

Label	DateTime Authored
Metadata Type	Data Element
Identifier	DE-20105
OID	1.2.36.1.2001.1001.101.103.20105

Definition


Definition	The date, or date and time, that authoring of the PCEHR Prescription and Dispense View document was completed.
Definition Source	NEHTA
Synonymous Names	
Data Type	DateTime

Usage

Examples

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	1..1

2.7 DateTime Health Event Started

Identification

Label	Earliest Date for Filtering
Metadata Type	Data Element
Identifier	DE-15507
OID	1.2.36.1.2001.1001.101.103.15507

Definition


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

Usage

Examples	
-----------------	--

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	0..1

2.8 DateTime Health Event Ended

Identification

Label	Latest Date for Filtering
Metadata Type	Data Element
Identifier	DE-15510
OID	1.2.36.1.2001.1001.101.103.15510

Definition


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

Usage

Examples

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	0..1

2.9 PCEHR Prescription and Dispense View Instance Identifier

Identification

Label	PCEHR Prescription and Dispense View Instance Identifier
Metadata Type	Data Element
Identifier	DE-16807
OID	1.2.36.1.2001.1001.101.103.16807

Definition


Definition	A globally unique identifier for each instance of a PCEHR Prescription and Dispense View document.
Definition Source	NEHTA
Synonymous Names	
Data Type	UniquelIdentifier

Usage

Examples	
-----------------	--

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	0..1

2.10 Structured Document Identifier

Identification

Label	Structured Document Identifier
Metadata Type	Data Element
Identifier	DE-16693
OID	1.2.36.1.2001.1001.101.103.16693

Definition


Definition	The NEHTA OID for the PCEHR Prescription and Dispense View concept represented by this Structured Document.
Definition Source	NEHTA
Synonymous Names	
Data Type	UniquelIdentifier

Usage

Examples	
Default Value	1.2.36.1.2001.1001.101.100.16789
Default Value Conditions of Use	The value of this item is fixed and SHALL be the default value.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	1..1

2.11 SUMMARIES OF MEDICATION ENTRIES

Identification


Label	Prescribing and Dispensing Reports
Metadata Type	Section
Identifier	S-16794
OID	1.2.36.1.2001.1001.101.101.16794

Definition


Definition	Reports of prescribing and dispensing.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	0..1

Children

Data Type	Name	Occurrences
	MEDICATION ENTRIES WITH SUMMARY	1..*

2.12 MEDICATION ENTRIES WITH SUMMARY

Identification

Label	MEDICATION ENTRIES WITH SUMMARY
Metadata Type	Section
Identifier	S-16795
OID	1.2.36.1.2001.1001.101.101.16795

Definition


Definition	A collection of information about prescriptions and dispense events together with a summary.
Definition Source	NEHTA
Synonymous Names	

Usage



Conditions of Use	There SHALL be at most one instance of MEDICATION ENTRY which is instantiated as a Prescription Item.
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescribing and Dispensing Reports (SUMMARIES OF MEDICATION ENTRIES)	1..*

Children

Data Type	Name	Occurrences
	SUMMARY OF MEDICATION ENTRIES	1..1
	MEDICATION ENTRY	1..*

2.13 MEDICATION ENTRY

Identification


Label	MEDICATION ENTRY
Metadata Type	Choice
Identifier	C-16796
OID	1.2.36.1.2001.1001.101.105.16796

Definition



Definition	Information about a prescription or a dispense event.
Definition Source	NEHTA
Synonymous Names	
Notes	As stated in the definition of Choice in Appendix C, Specification Guide for Use , each instance of this Choice SHALL contain exactly one “Prescription Item” OR exactly one “Dispense Item”.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	MEDICATION ENTRIES WITH SUMMARY	1..*

Children

Data Type	Name	Occurrences
	Dispense Item (MEDICATION ACTION)	0..1
	Prescription Item (MEDICATION INSTRUCTION)	0..1

3 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 detailed clinical model (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 - use specific specialisations of this DCM.

3.4 EXCLUSION STATEMENT

Identification


Label	EXCLUSION STATEMENT
Metadata Type	Data Group
Identifier	DG-16134
OID	1.2.36.1.2001.1001.101.102.16134

Definition







Definition	An explicit statement about the absence of reports of prescribing and dispensing.
Definition Source	NEHTA
Synonymous Names	
Notes	The presence of an Exclusion Statement indicates that there is no prescribing or dispensing information available for this document.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PCEHR PRESCRIPTION AND DISPENSE VIEW	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

Label	General Statement
Metadata Type	Data Element
Identifier	DE-16135
OID	1.2.36.1.2001.1001.101.103.16135

Definition


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

Usage

Examples

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	EXCLUSION STATEMENT	1..1

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4 Summary of Medication Entries Detailed Clinical Model

This chapter describes a re-use of version 1.0 of the Summary of Medication Entries Detailed Clinical Model.

4.1 Purpose

To support summary views involving information about prescribing and dispensing.

4.2 Use

Used to hold a summary of information from a set of instances of Medication Instruction and Medication Action.

One use is to be a summary of one prescription (with or without repeats) and the dispense records associated with it. Another use is to be a summary of several prescriptions (with or without repeats) for the one therapeutic good and their associated dispense records.

4.3 SUMMARY OF MEDICATION ENTRIES

Identification


Label	SUMMARY OF MEDICATION ENTRIES
Metadata Type	Data Group
Identifier	DG-16798
OID	1.2.36.1.2001.1001.101.102.16798

Definition









Definition	Summary of information contained in a set of medication entries.
Definition Source	NEHTA
Synonymous Names	





Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	MEDICATION ENTRIES WITH SUMMARY	1..1

Children

Data Type	Name	Occurrences
	Therapeutic Good Identification	1..1
	DateTime Prescription Written (DateTime Earliest Prescription Written)	0..1
	DateTime Latest Prescription Written	0..0
	DateTime of Earliest Dispense Event	0..1
	DateTime of Latest Dispense Event	0..1
	Total Number of Known Supplies	0..1
	Maximum Number of Permitted Supplies	0..1
	INFORMATION PROVIDER	0..0

Data Type	Name	Occurrences
	SUBJECT	0..0
	Summary of Medication Entries Instance Identifier	0..0
	LINK	0..0
	Detailed Clinical Model Identifier	0..0

4.4 Therapeutic Good Identification

Identification

Label	Therapeutic Good Identification
Metadata Type	Data Element
Identifier	DE-10194
OID	1.2.36.1.2001.1001.101.103.10194

Definition


Definition	The medicine, vaccine or other therapeutic good being ordered, administered to or used by the subject of care.
Definition Source	Therapeutic Goods Administration
Synonymous Names	Item Name
Context	This includes medications and medical devices. It includes drugs, appliances, dressings and reagents.
Context Source	NEHTA
Notes	<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 Therapeutic Goods Act 1989).</p> <p>Therapeutic use means use in or in connection with:</p> <ul style="list-style-type: none"> • preventing, diagnosing, curing or alleviating a disease, ailment, defect or injury; or • influencing, inhibiting or modifying a physiological process; or • testing the susceptibility of persons to a disease or ailment; or • influencing, controlling or preventing conception; or • testing for pregnancy; or • replacement or modification of parts of the anatomy. <p>From [TGA1989a].</p> <p>The formal definition of a therapeutic good (from the Therapeutic Goods Act 1989) can be found at: [TGA1989a].</p>
Data Type	CodeableText
Value Domain	Medicines Terminology

Usage

Conditions of Use	<p>Where the therapeutic good can be identified by an AMT (Australian Medicines Terminology) concept, this SHOULD be the AMT ConceptID and Preferred Term. For details see Medicines Terminology.</p> <p>When an AMT value is not available, a value from another registered code set MAY be used. The code set SHALL be publicly available. A registered code set is one that has been registered through the HL7 code set registration procedure with an appropriate object identifier (OID).</p> <p>For items without an AMT code (including some extemporaneous preparations), a text description is suitable. For a medication this SHALL include the name of the medication (brand name or generic name equivalent), strength and dose form, where appropriate.</p>
Conditions of Use Source	NEHTA
Examples	<p>Some examples of AMT ConceptID and their AMT Preferred Term are:</p> <ol style="list-style-type: none"> 23641011000036102, paracetamol 500 mg + codeine phosphate 30 mg tablet 28329011000036108, paracetamol 500 mg + codeine phosphate 30 mg tablet, 20 13362011000036106, Panadeine Forte tablet: uncoated, 20 tablets 6647011000036101, Panadeine Forte (paracetamol 500 mg + codeine phosphate 30 mg) tablet: uncoated, 1 tablet 20138011000036107, Panadeine Forte tablet: uncoated, 20 tablets, blister pack 51295011000036108, bandage compression 10 cm x 3.5 m bandage: high stretch, 1 bandage 48667011000036100, Eloflex (2480) (bandage compression 10 cm x 3.5 m) bandage: high stretch, 1 bandage 926706011000036104, Engerix-B Paediatric 10 microgram/0.5 mL injection: suspension, 1 x 0.5 mL syringe
Misuse	Detailing the formula of a compounded (extemporaneous) medication.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	SUMMARY OF MEDICATION ENTRIES	1..1

4.5 Medicines Terminology

Identification

Label	Medicines Terminology
Metadata Type	Value Domain
Identifier	VD-16115
OID	1.2.36.1.2001.1001.101.104.16115

Definition


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

Value Domain

Source	Australian Medicines Terminology
Permissible Values	<p>The permissible values are the members of the following 5 AMT reference sets:</p> <ul style="list-style-type: none"> • 929360081000036101 <i>Medicinal product pack reference set</i> • 929360071000036103 <i>Medicinal product unit of use reference set</i> • 929360041000036105 <i>Trade product pack reference set</i> • 929360031000036100 <i>Trade product unit of use reference set</i> • 929360051000036108 <i>Containerised trade product pack reference set</i>

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Therapeutic Good Identification	1..1

4.6 DateTime Earliest Prescription Written

Identification

Label	DateTime Prescription Written
Metadata Type	Data Element
Identifier	DE-16799
OID	1.2.36.1.2001.1001.101.103.16799

Definition


Definition	The date and, optionally, time when the earliest prescription in a set was written.
Definition Source	NEHTA
Synonymous Names	
Notes	If the summary is of one prescription and its dispense records, this is the date that the prescription was written.
Data Type	DateTime

Usage

Examples

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	SUMMARY OF MEDICATION ENTRIES	0..1

4.7 DateTime of Earliest Dispense Event

Identification

Label	DateTime of Earliest Dispense Event
Metadata Type	Data Element
Identifier	DE-16801
OID	1.2.36.1.2001.1001.101.103.16801

Definition


Definition	The date and, optionally, time when the earliest dispense event in a set occurred.
Definition Source	NEHTA
Synonymous Names	
Notes	If the summary can involve dispense records from more than one prescription, this is the earliest date of all of the dispense records. It may not be the earliest date of the dispense records for the earliest prescription.
Data Type	DateTime

Usage

Examples	
-----------------	--

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	SUMMARY OF MEDICATION ENTRIES	0..1

4.8 DateTime of Latest Dispense Event

Identification

Label	DateTime of Latest Dispense Event
Metadata Type	Data Element
Identifier	DE-16802
OID	1.2.36.1.2001.1001.101.103.16802

Definition


Definition	The date and, optionally, time when the latest dispense event in a set occurred.
Definition Source	NEHTA
Synonymous Names	
Notes	If the summary can involve dispense records from more than one prescription, this is the latest date of all of the dispense records. It may not be the latest date of the dispense records for the latest prescription.
Data Type	DateTime

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	SUMMARY OF MEDICATION ENTRIES	0..1

4.9 Total Number of Known Supplies

Identification

Label	Total Number of Known Supplies
Metadata Type	Data Element
Identifier	DE-16804
OID	1.2.36.1.2001.1001.101.103.16804

Definition


Definition	The total number of times a therapeutic good was supplied in accordance with a set of dispense records.
Definition Source	NEHTA
Synonymous Names	
Notes	<p>If the summary can involve dispense records from only one prescription, this is the highest value of the <i>Number of this Dispense</i> data element from those dispense records.</p> <p>If the summary can involve dispense records from more than one prescription, this is the sum of the highest value <i>Number of this Dispense</i> data element from the dispense records for each prescription.</p>
Data Type	Integer

Usage

Conditions of Use	The value SHALL be ≥ 0 .
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	SUMMARY OF MEDICATION ENTRIES	0..1

4.10 Maximum Number of Permitted Supplies

Identification

Label	Maximum Number of Permitted Supplies
Metadata Type	Data Element
Identifier	DE-16805
OID	1.2.36.1.2001.1001.101.103.16805

Definition


Definition	The maximum number of times a therapeutic good may be supplied in accordance with a set of prescriptions.
Definition Source	NEHTA
Synonymous Names	
Notes	<p>If the summary can involve only one prescription, this data element has as its value:</p> <p>(one {for the original prescription} + <i>Maximum Number of Repeats</i>).</p> <p>If the summary can involve more than one prescription, this data element has as its value:</p> <p>sum of (one {for the original prescription} + <i>Maximum Number of Repeats</i>) for every prescription.</p>
Data Type	Integer

Usage

Conditions of Use	The value SHALL be ≥ 1 .
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	SUMMARY OF MEDICATION ENTRIES	0..1

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5 Dispense Item Detailed Clinical Model

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

5.1 Purpose

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

5.2 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.

5.3 Misuse

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

5.4 MEDICATION ACTION

Identification


Label	Dispense Item
Metadata Type	Data Group
Identifier	DG-16210
OID	1.2.36.1.2001.1001.101.102.16210

Definition









Definition	Details of the dispensing and supply of a therapeutic good, including its use by a subject of care and related information.
Definition Source	NEHTA
Synonymous Names	






















Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	MEDICATION ENTRY	0..1

Children

Data Type	Name	Occurrences
	Therapeutic Good Identification	1..1
	Therapeutic Good Strength (Additional Therapeutic Good Detail)	0..1
	Therapeutic Good Generic Name (Additional Therapeutic Good Detail)	0..1
	Additional Dispensed Item Description (Additional Therapeutic Good Detail)	0..1
	Label Instruction (Medication Action Instructions)	0..1
	Formula	0..1
	Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..1
	Reason (Reason for Action)	0..0

Data Type	Name	Occurrences
	Quantity Dispensed (AMOUNT OF MEDICATION)	0..1
	Comment (Medication Action Comment)	0..1
	Sequence Number	0..0
	Administration (MEDICATION ADMINISTRATION)	0..0
	Brand Substitution Occurred	0..1
	Batchid (Batch Identifier)	0..0
	Date of Expiry (Expiry Date)	0..0
	DISPENSED-TO	0..0
	Number of this Dispense	0..1
	Maximum Number of Repeats	0..1
	Claim Category	0..0
	Administrative Item Code	0..0
	PBS Manufacturer Code (Administrative Manufacturer Code)	0..1
	Unique Pharmacy Prescription Number (Administrative System Identifier)	0..1
	INFORMATION-PROVIDER	0..0
	SUBJECT	0..0
	DateTime of Dispense Event (Medication Action DateTime)	1..1
	Dispense Item Identifier (Medication Action Instance Identifier)	1..1
	Dispense Record Link (LINK)	1..1
	Prescription Item Link (LINK)	0..1
	Detailed Clinical Model Identifier	0..0

5.5 Therapeutic Good Identification

Identification

Label	Therapeutic Good Identification
Metadata Type	Data Element
Identifier	DE-10194
OID	1.2.36.1.2001.1001.101.103.10194

Definition


Definition	The medicine, vaccine or other therapeutic good which was the focus of the action.
Definition Source	Therapeutic Goods Administration
Synonymous Names	Item Name
Context	This includes medications and medical devices. It includes drugs, appliances, dressings and reagents.
Context Source	NEHTA
Notes	<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 Therapeutic Goods Act 1989).</p> <p>Therapeutic use means use in or in connection with:</p> <ul style="list-style-type: none">• preventing, diagnosing, curing or alleviating a disease, ailment, defect or injury; or• influencing, inhibiting or modifying a physiological process; or• testing the susceptibility of persons to a disease or ailment; or• influencing, controlling or preventing conception; or• testing for pregnancy; or• replacement or modification of parts of the anatomy. <p>From [TGA1989a].</p> <p>The formal definition of a therapeutic good (from the Therapeutic Goods Act 1989) can be found at: [TGA1989a].</p> <p>If Therapeutic Good Identification contains a PBS Item Code, use the PBS Manufacturer Code data element to record the Manufacturer Code.</p>
Data Type	CodeableText
Value Domain	Medicines Terminology

Usage

Conditions of Use	<p>Where the therapeutic good can be identified by an AMT (Australian Medicines Terminology) concept, this SHALL be the AMT ConceptID and Preferred Term. For details see Medicines Terminology.</p> <p>When an AMT value is not available, a value from another registered code set MAY be used. The code set SHALL be publicly available. A registered code set is one that has been registered through the HL7 code set registration procedure with an appropriate object identifier (OID).</p> <p>For items without an AMT code (including some extemporaneous preparations), a text description is suitable. For a medication this SHALL include the name of the medication (brand name or generic name equivalent), strength and dose form, where appropriate.</p>
Conditions of Use Source	NEHTA
Examples	<p>Some examples of AMT ConceptID and their AMT Preferred Term are:</p> <ol style="list-style-type: none"> 23641011000036102, paracetamol 500 mg + codeine phosphate 30 mg tablet 28329011000036108, paracetamol 500 mg + codeine phosphate 30 mg tablet, 20 13362011000036106, Panadeine Forte tablet: uncoated, 20 tablets 6647011000036101, Panadeine Forte (paracetamol 500 mg + codeine phosphate 30 mg) tablet: uncoated, 1 tablet 20138011000036107, Panadeine Forte tablet: uncoated, 20 tablets, blister pack 51295011000036108, bandage compression 10 cm x 3.5 m bandage: high stretch, 1 bandage 48667011000036100, Eloflex (2480) (bandage compression 10 cm x 3.5 m) bandage: high stretch, 1 bandage 926706011000036104, Engerix-B Paediatric 10 microgram/0.5 mL injection: suspension, 1 x 0.5 mL syringe
Misuse	Detailing the formula of a compounded (extemporaneous) medication.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	1..1

5.6 Medicines Terminology

Identification

Label	Medicines Terminology
Metadata Type	Value Domain
Identifier	VD-16115
OID	1.2.36.1.2001.1001.101.104.16115

Definition


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

Value Domain

Source	Australian Medicines Terminology
Permissible Values	<p>The permissible values are the members of the following 3 AMT reference sets:</p> <p>Dispensing:</p> <ul style="list-style-type: none"> • 929360041000036105 <i>Trade product pack reference set</i> • 929360031000036100 <i>Trade product unit of use reference set</i> • 929360051000036108 <i>Containered trade product pack reference set</i>

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Therapeutic Good Identification	1..1

5.7 Additional Therapeutic Good Detail

Identification

Label	Therapeutic Good Strength
Metadata Type	Data Element
Identifier	DE-16769
OID	1.2.36.1.2001.1001.101.103.16769

Definition


Definition	Information concerning the strength of the Therapeutic Good.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Conditions of Use	This SHALL NOT contradict the value of Therapeutic Good Identification.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.8 Additional Therapeutic Good Detail

Identification

Label	Therapeutic Good Generic Name
Metadata Type	Data Element
Identifier	DE-16769
OID	1.2.36.1.2001.1001.101.103.16769

Definition


Definition	The generic name of the Therapeutic Good.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Conditions of Use	This SHALL NOT contradict the value of Therapeutic Good Identification.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.9 Additional Therapeutic Good Detail

Identification

Label	Additional Dispensed Item Description
Metadata Type	Data Element
Identifier	DE-16769
OID	1.2.36.1.2001.1001.101.103.16769

Definition


Definition	Extra information about the therapeutic good.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Conditions of Use	This SHALL NOT contradict the value of Therapeutic Good Identification.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.10 Medication Action Instructions

Identification

Label	Label Instruction
Metadata Type	Data Element
Identifier	DE-16109
OID	1.2.36.1.2001.1001.101.103.16109

Definition


Definition	Any instructions given to the subject of care or carer at the time of the dispense event.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.11 Formula

Identification

Label	Formula
Metadata Type	Data Element
Identifier	DE-16272
OID	1.2.36.1.2001.1001.101.103.16272

Definition


Definition	The recipe for compounding a medicine.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	1. Salicylic Acid 2% in White Soft Paraffin to 100g: Salicylic Acid 2g White Soft Paraffin to 100g
Misuse	Describing off-the-shelf medications.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.12 CHEMICAL DESCRIPTION OF MEDICATION

Identification


Label	Ingredients and Form
Metadata Type	Data Group
Identifier	DG-16408
OID	1.2.36.1.2001.1001.101.102.16408

Definition




Definition	Detailed information about the ingredient(s) including form and strength.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

Children

Data Type	Name	Occurrences
	ACTIVE INGREDIENT	0..0
	Form	1..1
	INACTIVE INGREDIENT	0..0

5.13 Form

Identification

Label	Form
Metadata Type	Data Element
Identifier	DE-10186
OID	1.2.36.1.2001.1001.101.103.10186

Definition


Definition	The formulation or presentation of the overall substance.
Definition Source	NEHTA
Synonymous Names	manufactured form dose form
Data Type	CodeableText
Value Domain	Medication Form Reference Set

Usage

Conditions of Use	The <i>Form</i> is used to specify a characteristic of a product as it is manufactured or formulated for dispensing. The form that the medication takes when actually administered may vary somewhat from the manufactured form. Tablets may be soluble. Such tablets may or may not be actually dissolved into a solution prior to administration. Similarly with powders and liquids. If it is critical for the care of the patient to differentiate the manufactured form from the administered form, then this should be done via correct labelling and patient instructions. See <i>Subject of Care Instructions</i> and <i>Cautionary Advice</i> .
Conditions of Use Source	NEHTA
Examples	<ol style="list-style-type: none"> 1. Tablet. 2. Capsule. 3. Oral drops. 4. Effervescent powder.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	1..1

5.14 Medication Form Reference Set

Identification

Label	Medication Form Reference Set
Metadata Type	Value Domain
Identifier	VD-16618
OID	1.2.36.1.2001.1001.101.104.16618
External Identifier	SNOMED CT-AU Concept Id: 32570621000036105

Definition


Definition	The set of values for the medication form.
Definition Source	NEHTA

Value Domain

Source	SNOMED CT-AU
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Form	1..1

5.15 AMOUNT OF MEDICATION

Identification


Label	Quantity Dispensed
Metadata Type	Data Group
Identifier	DG-16423
OID	1.2.36.1.2001.1001.101.102.16423

Definition




Definition	The quantity of medicine, vaccine or other therapeutic good which was dispensed.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

Children

Data Type	Name	Occurrences
	Quantity	0..0
	Dose Unit	0..0
	Quantity Description	1..1

5.16 Quantity Description

Identification

Label	Quantity Description
Metadata Type	Data Element
Identifier	DE-16525
OID	1.2.36.1.2001.1001.101.103.16525

Definition


Definition	Free text description of the amount which may consist of the quantity and dose unit.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Quantity Dispensed (AMOUNT OF MEDICATION)	1..1

5.17 Medication Action Comment

Identification

Label	Comment
Metadata Type	Data Element
Identifier	DE-16044
OID	1.2.36.1.2001.1001.101.103.16044

Definition


Definition	Any additional information that may be needed to ensure the continuity of supply, proper use, or appropriate medication management.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.18 Brand Substitution Occurred

Identification

Label	Brand Substitution Occurred
Metadata Type	Data Element
Identifier	DE-16064
OID	1.2.36.1.2001.1001.101.103.16064

Definition


Definition	A different brand of the same medicine, vaccine or other therapeutic good was substituted for the one nominated in the order.
Definition Source	NEHTA
Synonymous Names	
Data Type	Boolean

Usage

Examples	
Misuse	Using this data element for therapeutic substitution. Using this data element for medical appliances.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.19 Number of this Dispense

Identification

Label	Number of this Dispense
Metadata Type	Data Element
Identifier	DE-16106
OID	1.2.36.1.2001.1001.101.103.16106

Definition


Definition	A numeric value that represents the dispense number or sequence number that has been reached for a therapeutic good prescribed with repeats. This count includes the first dispense. It has the value 1 when there are no repeats.
Definition Source	NEHTA
Synonymous Names	
Notes	<p>Each prescribed item logically possesses a pre-determined number of times that it may be dispensed; the number is 1 (for the original prescription) + the maximum number of repeats.</p> <p>This data element (Number of this Dispense) indicates which dispensing of the item is being attempted by the dispense act that this dispense record documents.</p> <p>Its value is one more than the number of times the prescribed item has successfully been dispensed prior to this dispensing.</p> <p>Its value increments by one each time a dispense act is successfully completed.</p> <p>The value of this term is one more than the commonly used term “number this repeat”.</p>
Data Type	Integer

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.20 Maximum Number of Repeats

Identification

Label	Maximum Number of Repeats
Metadata Type	Data Element
Identifier	DE-10169
OID	1.2.36.1.2001.1001.101.103.10169

Definition


Definition	The number of times the supply of the prescribed item may be repeated under the terms of the prescription.
Definition Source	NEHTA
Synonymous Names	
Notes	<p>Note that the initial supply under the prescription is not counted as a repeat.</p> <p>PBS and RPBS items specify a maximum number of permitted repeats within the Schedules. This number must not be exceeded on a prescription without the appropriate authorisation.</p> <p>When a prescription for a PBS medicine asks for repeat supplies, the pharmacist shall prepare a Repeat Authorisation Form to be attached to the “Pharmacist/Subject of Care” copy. An exception to this is when the prescription is marked “Regulation 24”, where all repeats are supplied at once with the original prescription. A similar exception is permitted for RPBS prescriptions endorsed with “hardship conditions apply”. The Repeat Authorisation is to be detailed in a separate Structured Document Template.</p>
Data Type	Integer

Usage

Examples	
Default Value	0

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.21 Administrative Manufacturer Code

Identification

Label	PBS Manufacturer Code
Metadata Type	Data Element
Identifier	DE-16648
OID	1.2.36.1.2001.1001.101.103.16648

Definition


Definition	Administrative code used to identify the manufacturer of the pharmaceutical item supplied.
Definition Source	NEHTA
Synonymous Names	
Notes	This element is to be used to assist with claims processing. If Therapeutic Good Identification contains an AMT code, this will be empty. If Therapeutic Good Identification contains a PBS Item Code, this may contain a PBS Manufacturer Code.
Data Type	CodeableText
Value Domain	Administrative Manufacturer Code Values

Usage

Conditions of Use	This SHALL NOT have a value if the value of Therapeutic Good Identification encodes the manufacturer.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.22 Administrative Manufacturer Code Values

Identification

Label	Administrative Manufacturer Code Values
Metadata Type	Value Domain
Identifier	VD-16647
OID	1.2.36.1.2001.1001.101.104.16647

Definition


Definition	The set of values derived from the PBS manufacturer code.
Definition Source	NEHTA

Value Domain

Source	Department of Health and Ageing, PBS manufacturer code.
---------------	---

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PBS Manufacturer Code (Administrative Manufacturer Code)	1..1

5.23 Administrative System Identifier

Identification

Label	Unique Pharmacy Prescription Number
Metadata Type	Data Element
Identifier	DE-16786
OID	1.2.36.1.2001.1001.101.103.16786

Definition


Definition	A sequential number assigned by a pharmacy to identify, for Medicare, a dispense event by that pharmacy.
Definition Source	NEHTA
Synonymous Names	
Notes	Even though the label of this data element includes the word “Unique”, some pharmacies use the same value more than once.
Data Type	Text

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

5.24 Medication Action DateTime

Identification

Label	DateTime of Dispense Event
Metadata Type	Data Element
Identifier	DE-16591
OID	1.2.36.1.2001.1001.101.103.16591

Definition


Definition	The point in time at which the Medication Action is completed.
Definition Source	NEHTA
Synonymous Names	
Data Type	DateTime

Usage

Examples	
-----------------	--

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	1..1

5.25 Medication Action Instance Identifier

Identification

Label	Dispense Item Identifier
Metadata Type	Data Element
Identifier	DE-16637
OID	1.2.36.1.2001.1001.101.103.16637

Definition


Definition	A globally unique identifier for each instance of Medication Action.
Definition Source	NEHTA
Synonymous Names	
Data Type	UniquelIdentifier

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	1..1

5.26 LINK

Identification


Label	Dispense Record Link
Metadata Type	Data Group
Identifier	DG-16692
OID	1.2.36.1.2001.1001.101.102.16692

Definition




Definition	A link to the source document for this Medication Action.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	1..1

Children

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

5.27 Link Nature

Identification

Label	Link Nature
Metadata Type	Data Element
Identifier	DE-16698
OID	1.2.36.1.2001.1001.101.103.16698

Definition


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

Usage

Conditions of Use	This SHALL be "LINK-E0" ("is a related documentation").
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Record Link (LINK)	1..1

5.28 Link Nature Values

Identification

Label	Link Nature Values
Metadata Type	Value Domain
Identifier	VD-16698
OID	1.2.36.1.2001.1001.101.104.16698

Definition

Definition	The set of values for the general semantic category of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA


Value Domain

Source	ISO 13606-3:2009	
Permissible Values	The permissible values are those specified in Termlist LINK_NATURE in ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a] . 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], 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

5.29 Link Role

Identification

Label	Link Role
Metadata Type	Data Element
Identifier	DE-16699
OID	1.2.36.1.2001.1001.101.103.16699

Definition


Definition	The detailed semantic description of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA
Synonymous Names	
Notes	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.
Data Type	CodeableText
Value Domain	Link Role Values

Usage

Conditions of Use	This SHALL be "LINK-E4" ("excerpts").
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Record Link (LINK)	1..1

5.30 Link Role Values

Identification

Label	Link Role Values
Metadata Type	Value Domain
Identifier	VD-16699
OID	1.2.36.1.2001.1001.101.104.16699

Definition

Definition	The set of values for the detailed semantic description of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA
Context	These values are used within the context of values from Link Role. They provide greater specificity and may be selected more for human readership than for interoperable automated processing.
Context Source	NEHTA
Notes	<p>Some values from Termlist LINK_ROLE in ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a] are:</p> <ul style="list-style-type: none"> • LINK-A1, unspecified link, This term is to be used when no semantic information is available for this Link in the EHR system from which this 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 source 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, is documented by, A clinical situation documented in the source component is also, perhaps more formally, documented in the target component. • LINK-E4, excerpts, The source component is an extract (copy) of part or all of information contained within the target component.

Value Domain

Source	ISO 13606-3:2009
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Permissible Values	Values SHOULD be from Termlist LINK_ROLE in ISO 13606-3:2009 [ISO2009a] . Values MAY be from any suitable terminology.
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Usage

Conditions of Use	Each of the link terms in LINK_ROLE from ISO 13606-3:2009 is a sub-category of a corresponding term in Link Nature Values, 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 Link Role data element, the appropriate corresponding value must be used from Link Nature Values.
Conditions of Use Source	ISO 13606-3:2009

Relationships

Parents

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

5.31 Link Target

Identification

Label	Link Target
Metadata Type	Data Element
Identifier	DE-16700
OID	1.2.36.1.2001.1001.101.103.16700

Definition


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

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Record Link (LINK)	1..1

5.32 LINK

Identification


Label	Prescription Item Link
Metadata Type	Data Group
Identifier	DG-16692
OID	1.2.36.1.2001.1001.101.102.16692

Definition




Definition	A link to the Prescription Item which authorised the dispensing of the therapeutic good which this Dispense Event describes.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Dispense Item (MEDICATION ACTION)	0..1

Children

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

5.33 Link Nature

Identification

Label	Link Nature
Metadata Type	Data Element
Identifier	DE-16698
OID	1.2.36.1.2001.1001.101.103.16698

Definition


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

Usage

Conditions of Use	This SHALL be LINK-B0 (“is confirmed by or authorised by”).
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item Link (LINK)	1..1

5.34 Link Nature Values

Identification

Label	Link Nature Values
Metadata Type	Value Domain
Identifier	VD-16698
OID	1.2.36.1.2001.1001.101.104.16698

Definition

Definition	The set of values for the general semantic category of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA


Value Domain

Source	ISO 13606-3:2009	
Permissible Values	The permissible values are those specified in Termlist LINK_NATURE in ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a] . 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], 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

5.35 Link Role

Identification

Label	Link Role
Metadata Type	Data Element
Identifier	DE-16699
OID	1.2.36.1.2001.1001.101.103.16699

Definition


Definition	The detailed semantic description of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA
Synonymous Names	
Notes	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.
Data Type	CodeableText
Value Domain	Link Role Values

Usage

Conditions of Use	This SHALL be LINK-B3 (“permits (sanctions, authorises)”).
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item Link (LINK)	1..1

5.36 Link Role Values

Identification

Label	Link Role Values
Metadata Type	Value Domain
Identifier	VD-16699
OID	1.2.36.1.2001.1001.101.104.16699

Definition

Definition	The set of values for the detailed semantic description of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA
Context	These values are used within the context of values from Link Role. They provide greater specificity and may be selected more for human readership than for interoperable automated processing.
Context Source	NEHTA
Notes	<p>Some values from Termlist LINK_ROLE in ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a] are:</p> <ul style="list-style-type: none"> • LINK-A1, unspecified link, This term is to be used when no semantic information is available for this Link in the EHR system from which this 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 source 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, is documented by, A clinical situation documented in the source component is also, perhaps more formally, documented in the target component. • LINK-E4, excerpts, The source component is an extract (copy) of part or all of information contained within the target component.

Value Domain

Source	ISO 13606-3:2009
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Permissible Values	Values SHOULD be from Termlist LINK_ROLE in ISO 13606-3:2009 [ISO2009a] . Values MAY be from any suitable terminology.
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Usage

Conditions of Use	Each of the link terms in LINK_ROLE from ISO 13606-3:2009 is a sub-category of a corresponding term in Link Nature Values, 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 Link Role data element, the appropriate corresponding value must be used from Link Nature Values.
Conditions of Use Source	ISO 13606-3:2009

Relationships

Parents

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

5.37 Link Target

Identification

Label	Link Target
Metadata Type	Data Element
Identifier	DE-16700
OID	1.2.36.1.2001.1001.101.103.16700

Definition


Definition	The Prescription Item Identifier of the Prescription Item which authorised the dispensing of the therapeutic good which this Dispense Event describes.
Definition Source	NEHTA
Synonymous Names	
Data Type	UniquelIdentifier

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item Link (LINK)	1..1

6 Prescription Item Detailed Clinical Model

This chapter describes a re-use of version 3.2 of the Medication Instruction Detailed Clinical Model.

6.1 Purpose

Recording intent to use or to continue to use a medicine, vaccine, or other therapeutic good, including instructions on use, dispensing, and administration, where necessary.

6.2 Use

For recording instructions to dispense, administer or use a medicine, vaccine or other therapeutic good. This medication instruction can be used in many circumstances including: a record in a progress note; an item in a medication list, prescription or drug chart (to be dispensed and/or administered); or in a summary document such as discharge summary or a referral for care. The instruction may be complex and involve more than one activity, such as in the case of a Prednisolone reducing dose regimen, or multiple medications as components of the same order. This would include a written order by a physician, dentist, nurse practitioner, or other designated health professional for a medication to be dispensed and administered to a patient.

This instruction will generally apply to things that can be prescribed or are available 'over the counter'.

Use for orders for vaccinations or other therapeutic goods. These may be presented differently in different applications but require the same structure.

Use for the consistent representation of an item in a medication list comprising the medicines that a clinician collectively expect the individual to be taking.

The information recorded may separate dose, route and timing to achieve a computable and shareable specification but also allows for narrative instructions for orders like "Frusemide 40mg two tablets in the morning and one at lunch" to ensure compatibility with existing systems. To achieve a structured statement for such compound orders, two items are required: "Frusemide 40mg two tablets in the morning" and "Frusemide 40mg one tablet at lunch". The instruction will usually include information about the timing and dose (which may be structured) and in some settings will include the route of administration. The amount of the medicines will usually be given in terms of a number and a dose unit but may be a textual statement to ensure compatibility with existing systems and also coverage of all scenarios.

Use to represent a prescription item for a medicine, vaccine or other therapeutic good within a document such as an electronic prescription or a medication chart.

The content is potentially complex. Where the content is re-usable in other contexts, especially the paired Medication Action DCM (for recording dispensing, administration etc.) the content has been specified in re-useable data groups. For example: Amount and Amount range data groups contain the detail about Medication dose; Timing data group contains detail about structured dose timing; Medication administration data group contains structure around administration for both the order and the action; and Chemical description data group describes the specific ingredients within a medicine. All of these data groups together are required to make up the total maximal dataset for a re-useable medication instruction.

6.3 Misuse

Not to be used to record administration, use or dispensing. (For those use Medication Action DCM)

Not to be used to record ordering of blood products, implants or major devices such as pacemakers and defibrillators, etc.

6.4 MEDICATION INSTRUCTION

Identification

Label	Prescription Item
Metadata Type	Data Group
Identifier	DG-16211
OID	1.2.36.1.2001.1001.101.102.16211

Definition


Definition	Details of a therapeutic good with its use by a subject of care and related information.
Definition Source	NEHTA
Synonymous Names	Prescribed Item

Usage






Misuse	Recording stock on hand of a therapeutic good.
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






















Relationships



Parents

Data Type	Name	Occurrences (child within parent)
	MEDICATION ENTRY	0..1

Children

Data Type	Name	Occurrences
	Therapeutic Good Identification	1..1
	Therapeutic Good Strength (Additional Therapeutic Good Detail)	0..1
	Therapeutic Good Generic Name (Additional Therapeutic Good Detail)	0..1
	Directions	0..1
	Formula	0..1

Data Type	Name	Occurrences
	Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	0..1
	Dose-Description	0..0
	Structured Dose (AMOUNT OF MEDICATION)	0..0
	Timing (MEDICATION TIMING)	0..0
	Additional Instruction	0..0
	Clinical Indication	0..1
	Administration Details (MEDICATION ADMINISTRATION)	0..1
	Comment (Medication Instruction Comment)	0..1
	DISPENSING	1..1
	Change Type	0..0
	Change or Recommendation? (Change Status)	0..0
	Change-Description	0..0
	Change Reason (Change or Recommendation Reason)	0..0
	Indication for Authorised Use	0..0
	Medication Instruction ID	0..0
	Concession Benefit	0..0
	DateTime Prescription Written (DateTime Medication Instruction Written)	1..1
	PBS Manufacturer Code (Administrative Manufacturer Code)	0..1
	INFORMATION-PROVIDER	0..0
	SUBJECT	0..0
	Medication Instruction Narrative	0..0
	DateTime Prescription Expires (DateTime Medication Instruction Expires)	1..1
	Prescription Item Identifier (Medication Instruction Instance Identifier)	1..1

Data Type	Name	Occurrences
	Prescription Record Link (LINK)	1..1
	Detailed Clinical Model Identifier	0..0

6.5 Therapeutic Good Identification

Identification

Label	Therapeutic Good Identification
Metadata Type	Data Element
Identifier	DE-10194
OID	1.2.36.1.2001.1001.101.103.10194

Definition


Definition	The medicine, vaccine or other therapeutic good being ordered, administered to or used by the subject of care.
Definition Source	Therapeutic Goods Administration
Synonymous Names	Item Name
Context	This includes medications and medical devices. It includes drugs, appliances, dressings and reagents.
Context Source	NEHTA
Notes	<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 Therapeutic Goods Act 1989).</p> <p>Therapeutic use means use in or in connection with:</p> <ul style="list-style-type: none"> • preventing, diagnosing, curing or alleviating a disease, ailment, defect or injury; or • influencing, inhibiting or modifying a physiological process; or • testing the susceptibility of persons to a disease or ailment; or • influencing, controlling or preventing conception; or • testing for pregnancy; or • replacement or modification of parts of the anatomy. <p>From [TGA1989a].</p> <p>The formal definition of a therapeutic good (from the Therapeutic Goods Act 1989) can be found at: [TGA1989a].</p> <p>If Therapeutic Good Identification contains a PBS Item Code, use the PBS Manufacturer Code data element to record the Manufacturer Code.</p>
Data Type	CodeableText
Value Domain	Medicines Terminology

Usage

Conditions of Use	<p>Where the therapeutic good can be identified by an AMT (Australian Medicines Terminology) concept, this SHOULD be the AMT ConceptID and Preferred Term. For details see Medicines Terminology.</p> <p>When an AMT value is not available, a value from another registered code set MAY be used. The code set SHALL be publicly available. A registered code set is one that has been registered through the HL7 code set registration procedure with an appropriate object identifier (OID).</p> <p>For items without an AMT code (including some extemporaneous preparations), a text description is suitable. For a medication this SHALL include the name of the medication (brand name or generic name equivalent), strength and dose form, where appropriate.</p>
Conditions of Use Source	NEHTA
Examples	<p>Some examples of AMT ConceptID and their AMT Preferred Term are:</p> <ol style="list-style-type: none"> 23641011000036102, paracetamol 500 mg + codeine phosphate 30 mg tablet 28329011000036108, paracetamol 500 mg + codeine phosphate 30 mg tablet, 20 13362011000036106, Panadeine Forte tablet: uncoated, 20 tablets 6647011000036101, Panadeine Forte (paracetamol 500 mg + codeine phosphate 30 mg) tablet: uncoated, 1 tablet 20138011000036107, Panadeine Forte tablet: uncoated, 20 tablets, blister pack 51295011000036108, bandage compression 10 cm x 3.5 m bandage: high stretch, 1 bandage 48667011000036100, Eloflex (2480) (bandage compression 10 cm x 3.5 m) bandage: high stretch, 1 bandage 926706011000036104, Engerix-B Paediatric 10 microgram/0.5 mL injection: suspension, 1 x 0.5 mL syringe
Misuse	Detailing the formula of a compounded (extemporaneous) medication.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	1..1

6.6 Medicines Terminology

Identification

Label	Medicines Terminology
Metadata Type	Value Domain
Identifier	VD-16115
OID	1.2.36.1.2001.1001.101.104.16115

Definition


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

Value Domain

Source	Australian Medicines Terminology
Permissible Values	<p>The permissible values are the members of the following 5 AMT reference sets:</p> <ul style="list-style-type: none"> • 929360081000036101 <i>Medicinal product pack reference set</i> • 929360071000036103 <i>Medicinal product unit of use reference set</i> • 929360041000036105 <i>Trade product pack reference set</i> • 929360031000036100 <i>Trade product unit of use reference set</i> • 929360051000036108 <i>Containerised trade product pack reference set</i>

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Therapeutic Good Identification	1..1

6.7 Additional Therapeutic Good Detail

Identification

Label	Therapeutic Good Strength
Metadata Type	Data Element
Identifier	DE-16769
OID	1.2.36.1.2001.1001.101.103.16769

Definition


Definition	Information concerning the strength of the Therapeutic Good.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Conditions of Use	This SHALL NOT contradict the value of Therapeutic Good Identification.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

6.8 Additional Therapeutic Good Detail

Identification

Label	Therapeutic Good Generic Name
Metadata Type	Data Element
Identifier	DE-16769
OID	1.2.36.1.2001.1001.101.103.16769

Definition


Definition	The generic name of the Therapeutic Good.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Conditions of Use	This SHALL NOT contradict the value of Therapeutic Good Identification.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

6.9 Directions

Identification

Label	Directions
Metadata Type	Data Element
Identifier	DE-16429
OID	1.2.36.1.2001.1001.101.103.16429

Definition


Definition	A complete narrative description of how much, when and how to use the medicine, vaccine or other therapeutic good.
Definition Source	NEHTA
Synonymous Names	
Notes	It is essential that when the 'Directions' data element is used together with structured information components such as 'Ingredients and Form' and 'Structured Dose' in clinical records or prescriptions, the contents of 'Direction' shall not contradict the contents of these structured information components.
Data Type	Text

Usage

Conditions of Use	The contents of this data component SHALL NOT contradict the contents of other data components within the entry.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

6.10 Formula

Identification

Label	Formula
Metadata Type	Data Element
Identifier	DE-16272
OID	1.2.36.1.2001.1001.101.103.16272

Definition


Definition	The recipe for compounding a medicine.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	<p>1. Salicylic Acid 2% in White Soft Paraffin to 100g:</p> <p>Salicylic Acid 2g</p> <p>White Soft Paraffin to 100g</p>
Misuse	Describing off-the-shelf medications.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

6.11 CHEMICAL DESCRIPTION OF MEDICATION

Identification


Label	Ingredients and Form
Metadata Type	Data Group
Identifier	DG-16408
OID	1.2.36.1.2001.1001.101.102.16408

Definition




Definition	Detailed information about the ingredient(s) including form and strength.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

Children

Data Type	Name	Occurrences
	ACTIVE INGREDIENT	0..0
	Form	1..1
	INACTIVE INGREDIENT	0..0

6.12 Form

Identification

Label	Form
Metadata Type	Data Element
Identifier	DE-10186
OID	1.2.36.1.2001.1001.101.103.10186

Definition


Definition	The formulation or presentation of the overall substance.
Definition Source	NEHTA
Synonymous Names	manufactured form dose form
Data Type	CodeableText
Value Domain	Medication Form Reference Set

Usage

Conditions of Use	The <i>Form</i> is used to specify a characteristic of a product as it is manufactured or formulated for dispensing. The form that the medication takes when actually administered may vary somewhat from the manufactured form. Tablets may be soluble. Such tablets may or may not be actually dissolved into a solution prior to administration. Similarly with powders and liquids. If it is critical for the care of the patient to differentiate the manufactured form from the administered form, then this should be done via correct labelling and patient instructions. See <i>Subject of Care Instructions</i> and <i>Cautionary Advice</i> .
Conditions of Use Source	NEHTA
Examples	<ol style="list-style-type: none"> 1. Tablet. 2. Capsule. 3. Oral drops. 4. Effervescent powder.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION)	1..1

6.13 Medication Form Reference Set

Identification

Label	Medication Form Reference Set
Metadata Type	Value Domain
Identifier	VD-16618
OID	1.2.36.1.2001.1001.101.104.16618
External Identifier	SNOMED CT-AU Concept Id: 32570621000036105

Definition


Definition	The set of values for the medication form.
Definition Source	NEHTA

Value Domain

Source	SNOMED CT-AU
---------------	--------------

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Form	1..1

6.14 Clinical Indication

Identification

Label	Clinical Indication
Metadata Type	Data Element
Identifier	DE-10141
OID	1.2.36.1.2001.1001.101.103.10141

Definition


Definition	A reason for ordering the medicine, vaccine or other therapeutic good.
Definition Source	NEHTA
Synonymous Names	Reason for prescribing
Notes	The clinical justification (e.g. specific therapeutic effect intended) for this subject of care's use of the therapeutic good.
Data Type	Text

Usage

Examples	1. Long-term maintenance treatment of bronchospasm and dyspnoea.
-----------------	--

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

6.15 MEDICATION ADMINISTRATION

Identification


Label	Administration Details
Metadata Type	Data Group
Identifier	DG-10108
OID	1.2.36.1.2001.1001.101.102.10108

Definition






Definition	Details of the administration of the medicine, vaccine or other therapeutic good.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

Children

Data Type	Name	Occurrences
	Route	1..1
	Site (Anatomical Site)	0..0
	Delivery Method (Medication Delivery Method)	0..0
	Dose Duration	0..0
	Intravenous Details (Intravenous Administration Details)	0..0

6.16 Route

Identification

Label	Route
Metadata Type	Data Element
Identifier	DE-10147
OID	1.2.36.1.2001.1001.101.103.10147

Definition


Definition	The route by which the medication is administered.
Definition Source	NEHTA
Synonymous Names	Route of administration.
Notes	It is used to describe the route by which the substance/agent is introduced into the patient's body. This includes the route of medication administration.
Data Type	CodeableText
Value Domain	Route of Administration Reference Set

Usage

Conditions of Use	Use "Unknown" only for retrospective data collection.
Conditions of Use Source	NEHTA
Examples	<ol style="list-style-type: none"> 1. Oral. 2. Subcutaneous injection. 3. Epidural. 4. Rectal. 5. Otic.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Administration Details (MEDICATION ADMINISTRATION)	1..1

6.17 Route of Administration Reference Set

Identification

Label	Route of Administration Reference Set
Metadata Type	Value Domain
Identifier	VD-10147
OID	1.2.36.1.2001.1001.101.104.10147
External Identifier	SNOMED CT-AU Concept Id: 32570601000036100

Definition


Definition	A list of all possible routes of administration of medication.
Definition Source	NEHTA
Notes	Set of allowable values to describe the way through which a medication is administered to/by the subject of care.

Value Domain

Source	SNOMED CT-AU
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
 001011001	Route	1..1

6.18 Medication Instruction Comment

Identification

Label	Comment
Metadata Type	Data Element
Identifier	DE-16044
OID	1.2.36.1.2001.1001.101.103.16044

Definition


Definition	Any additional information that may be needed to ensure the continuity of supply, rationale for current dose and timing, or safe and appropriate use.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	<ol style="list-style-type: none"> 1. Patient requires an administration aid. 2. Portable Pulse Oximeter measurement to be taken by clipping the sensor onto the tip of a finger. 3. Consulted prescriber concerning dose.
Misuse	Use for information that could be recorded as structured data.

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

6.19 DISPENSING

Identification


Label	DISPENSING
Metadata Type	Data Group
Identifier	DG-16442
OID	1.2.36.1.2001.1001.101.102.16442

Definition







Definition	Information for the dispenser.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	1..1

Children

Data Type	Name	Occurrences
	Quantity to Dispense (AMOUNT OF MEDICATION)	1..1
	Maximum Number of Repeats (Number of Repeats)	0..1
	Minimum Interval Between Repeats	0..1
	Brand Substitution Permitted	0..1
	Grounds for Concurrent Supply	0..0
	Dispensing Instructions	0..0

6.20 AMOUNT OF MEDICATION

Identification


Label	Quantity to Dispense
Metadata Type	Data Group
Identifier	DG-16423
OID	1.2.36.1.2001.1001.101.102.16423

Definition




Definition	The amount of medicine, vaccine or other therapeutic good to be dispensed.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	DISPENSING	1..1

Children

Data Type	Name	Occurrences
	Quantity	0..0
	Dose Unit	0..0
	Quantity Description	1..1

6.21 Quantity Description

Identification

Label	Quantity Description
Metadata Type	Data Element
Identifier	DE-16525
OID	1.2.36.1.2001.1001.101.103.16525

Definition


Definition	Free text description of the amount which may consist of the quantity and dose unit.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Quantity to Dispense (AMOUNT OF MEDICATION)	1..1

6.22 Number of Repeats

Identification

Label	Maximum Number of Repeats
Metadata Type	Data Element
Identifier	DE-10169
OID	1.2.36.1.2001.1001.101.103.10169

Definition


Definition	The number of times the expressed quantity of medicine, vaccine or other therapeutic good may be refilled or redispensed without a new prescription.
Definition Source	NEHTA
Synonymous Names	
Data Type	Integer

Usage

Examples

Relationships

Parents

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

6.23 Minimum Interval Between Repeats

Identification

Label	Minimum Interval Between Repeats
Metadata Type	Data Element
Identifier	DE-10164
OID	1.2.36.1.2001.1001.101.103.10164

Definition


Definition	The minimum time between repeat dispensing of the medicine, vaccine or therapeutic good.
Definition Source	NEHTA
Synonymous Names	
Notes	<p>This is specified by the ordering clinician for a specific reason such as safety or best practice.</p> <p>Where the prescription is for a Schedule 8 medicine and the dispensing of the prescription is authorised to be repeated, the minimum intervals at which it may be dispensed must be written on the prescription by the prescriber.</p> <p>The dispensing interval for other scripts is a dispensing issue and is governed by PBS rules. However, there may be other situations where a prescriber may want to limit access – e.g. if there are safety concerns or if the subject of care is taking greater than the prescribed dose.</p>
Data Type	Duration

Usage

Examples	1. 20 days
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Relationships

Parents

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

6.24 Brand Substitution Permitted

Identification

Label	Brand Substitution Permitted
Metadata Type	Data Element
Identifier	DE-10107
OID	1.2.36.1.2001.1001.101.103.10107

Definition


Definition	Indicates whether or not the substitution of a prescribed medicine with a different brand name of the same medicine, vaccine or other therapeutic good, which has been determined as bioequivalent, is allowed when the medication is dispensed/supplied.
Definition Source	NEHTA
Synonymous Names	Allow substitutions
Notes	PBS prescriptions must not be prepared using a computer prescribing program that contains a default which would result in all prescriptions being indicated as Brand Substitution Not Permitted [DHA2009a] .
Data Type	Boolean

Usage

Misuse	Using this data element for therapeutic substitution. Using this data element for medical appliances.
Default Value	"true"
Examples	

Relationships

Parents

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

6.25 DateTime Medication Instruction Written

Identification

Label	DateTime Prescription Written
Metadata Type	Data Element
Identifier	DE-16770
OID	1.2.36.1.2001.1001.101.103.16770

Definition


Definition	The date (and optionally time) of the completion of the writing of the medication instruction.
Definition Source	NEHTA
Synonymous Names	
Data Type	DateTime

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	1..1

6.26 Administrative Manufacturer Code

Identification

Label	PBS Manufacturer Code
Metadata Type	Data Element
Identifier	DE-16648
OID	1.2.36.1.2001.1001.101.103.16648

Definition


Definition	Administrative code used to identify the manufacturer of the pharmaceutical item supplied.
Definition Source	NEHTA
Synonymous Names	
Notes	This element is to be used to assist with claims processing. If Therapeutic Good Identification contains an AMT code, this will be empty. If Therapeutic Good Identification contains a PBS Item Code, this may contain a PBS Manufacturer Code.
Data Type	CodeableText
Value Domain	Administrative Manufacturer Code Values

Usage

Conditions of Use	This SHALL NOT have a value if the value of Therapeutic Good Identification encodes the manufacturer.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	0..1

6.27 Administrative Manufacturer Code Values

Identification

Label	Administrative Manufacturer Code Values
Metadata Type	Value Domain
Identifier	VD-16647
OID	1.2.36.1.2001.1001.101.104.16647
External Identifier	Australian PBS Manufacturer Code: 1.2.36.1.2001.1005.23

Definition


Definition	The set of values derived from the PBS manufacturer code.
Definition Source	NEHTA

Value Domain

Source	Department of Health and Ageing, PBS manufacturer code.
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	PBS Manufacturer Code (Administrative Manufacturer Code)	1..1

6.28 DateTime Medication Instruction Expires

Identification

Label	DateTime Prescription Expires
Metadata Type	Data Element
Identifier	DE-10104
OID	1.2.36.1.2001.1001.101.103.10104

Definition


Definition	The date and, optionally, time after which the Medication Instruction is no longer effective or in force.
Definition Source	NEHTA
Synonymous Names	
Data Type	DateTime

Usage

Examples

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	1..1

6.29 Medication Instruction Instance Identifier

Identification

Label	Prescription Item Identifier
Metadata Type	Data Element
Identifier	DE-16713
OID	1.2.36.1.2001.1001.101.103.16713

Definition


Definition	A globally unique object identifier for each instance of a Medication Instruction.
Definition Source	NEHTA
Synonymous Names	
Data Type	UniquelIdentifier

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	1..1

6.30 LINK

Identification


Label	Prescription Record Link
Metadata Type	Data Group
Identifier	DG-16692
OID	1.2.36.1.2001.1001.101.102.16692

Definition




Definition	A link to the source document for this Medication Instruction.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Item (MEDICATION INSTRUCTION)	1..1

Children

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

6.31 Link Nature

Identification

Label	Link Nature
Metadata Type	Data Element
Identifier	DE-16698
OID	1.2.36.1.2001.1001.101.103.16698

Definition


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

Usage

Conditions of Use	This SHALL be "LINK-E0" ("is a related documentation").
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Record Link (LINK)	1..1

6.32 Link Nature Values

Identification

Label	Link Nature Values
Metadata Type	Value Domain
Identifier	VD-16698
OID	1.2.36.1.2001.1001.101.104.16698

Definition

Definition	The set of values for the general semantic category of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA


Value Domain

Source	ISO 13606-3:2009	
Permissible Values	The permissible values are those specified in Termlist LINK_NATURE in ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a] . 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], 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

6.33 Link Role

Identification

Label	Link Role
Metadata Type	Data Element
Identifier	DE-16699
OID	1.2.36.1.2001.1001.101.103.16699

Definition


Definition	The detailed semantic description of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA
Synonymous Names	
Notes	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.
Data Type	CodeableText
Value Domain	Link Role Values

Usage

Conditions of Use	This SHALL be "LINK-E4" ("excerpts").
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Record Link (LINK)	1..1

6.34 Link Role Values

Identification

Label	Link Role Values
Metadata Type	Value Domain
Identifier	VD-16699
OID	1.2.36.1.2001.1001.101.104.16699

Definition

Definition	The set of values for the detailed semantic description of the relationship between this instance of this Detailed Clinical Model (DCM), i.e. the source, and the target DCM instance or target document.
Definition Source	NEHTA
Context	These values are used within the context of values from Link Role. They provide greater specificity and may be selected more for human readership than for interoperable automated processing.
Context Source	NEHTA
Notes	<p>Some values from Termlist LINK_ROLE in ISO 13606-3:2009 Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists [ISO2009a] are:</p> <ul style="list-style-type: none"> • LINK-A1, unspecified link, This term is to be used when no semantic information is available for this Link in the EHR system from which this 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 source 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, is documented by, A clinical situation documented in the source component is also, perhaps more formally, documented in the target component. • LINK-E4, excerpts, The source component is an extract (copy) of part or all of information contained within the target component.

Value Domain

Source	ISO 13606-3:2009
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Permissible Values	Values SHOULD be from Termlist LINK_ROLE in ISO 13606-3:2009 [ISO2009a] . Values MAY be from any suitable terminology.
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Usage

Conditions of Use	Each of the link terms in LINK_ROLE from ISO 13606-3:2009 is a sub-category of a corresponding term in Link Nature Values, 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 Link Role data element, the appropriate corresponding value must be used from Link Nature Values.
Conditions of Use Source	ISO 13606-3:2009

Relationships

Parents

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

6.35 Link Target

Identification

Label	Link Target
Metadata Type	Data Element
Identifier	DE-16700
OID	1.2.36.1.2001.1001.101.103.16700

Definition


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

Usage

Examples	
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Relationships

Parents

Data Type	Name	Occurrences (child within parent)
	Prescription Record Link (LINK)	1..1

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Appendix A. Mappings from Requirements

This appendix lists data components from the [NEHTA PCEHR Prescription and Dispense View Information Requirements \[NEHT2012q\]](#) 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.

A second table lists SCS data elements not included in the requirements. These are included so that all data elements in the source documents may be mapped into the view document.

Requirement Section	Data Item	SCS Data Element	Note
NPDR Components	Component	SUBJECT OF CARE	
		Prescribing and Dispensing Reports (SUMMARIES OF MEDICATION ENTRIES)	
		EXCLUSION STATEMENT	
Filters	Time	Earliest Date for Filtering (DateTime Health Event Started)	
		Latest Date for Filtering (DateTime Health Event Ended)	
	Record Type	<i>Requirement withdrawn.</i>	
	Document Type	<i>Requirement withdrawn.</i>	
Individual Details	Component	SUBJECT OF CARE	
	Patient Name	SUBJECT OF CARE.PARTICIPANT.PERSON OR ORGANISATION OR DEVICE.PERSON.PERSON NAME	
	Person Identifier	SUBJECT OF CARE.PARTICIPANT.Entity Identifier	
	Date of Birth	SUBJECT OF CARE.PARTICIPANT.PERSON OR ORGANISATION OR DEVICE.PERSON.DEMOGRAPHIC DATA.DATE OF BIRTH DETAIL.Date of birth	
	Sex	SUBJECT OF CARE.PARTICIPANT.PERSON OR ORGANISATION OR DEVICE.PERSON.DEMOGRAPHIC DATA.Sex	
Prescribing/Dispensing Summary View	Component	Prescribing and Dispensing Reports (SUMMARIES OF MEDICATION ENTRIES) [PDR]	
	Summary	[PDR].MEDICATION ENTRIES WITH SUMMARY.SUMMARY OF MEDICATION ENTRIES [PDR.MES.SME]	Based on Appendix 9.1.
	Prescribing	[PDR].MEDICATION ENTRY.Prescription Item (MEDICATION INSTRUCTION) [PDR.ME.PI]	Based on Appendix 9.1.

Requirement Section	Data Item	SCS Data Element	Note
	Dispensing	[PDR].MEDICATION ENTRY.Dispense Item (MEDICATION ACTION) [PDR.ME.DI]	Based on Appendix 9.1.
	Prescription Item Identifier	[PDR.ME.PI].Prescription Item Identifier (Medication Instruction Instance Identifier)	
	Item Generic Name	[PDR.ME.PI].Therapeutic Good Generic Name (Additional Therapeutic Good Detail)	
		[PDR.ME.DI].Therapeutic Good Generic Name (Additional Therapeutic Good Detail)	
		[PDR.MES.SME].Therapeutic Good Identification	
	Therapeutic Good Identification	[PDR.ME.PI].Therapeutic Good Identification	
		[PDR.ME.DI].Therapeutic Good Identification	
		[PDR.MES.SME].Therapeutic Good Identification	
	Route	[PDR.ME.PI].Administration Details (MEDICATION ADMINISTRATION).Route	Route is optional in the source document.
	Brand Name	[PDR.ME.PI].Therapeutic Good Identification	NOT IN source
		[PDR.MES.SME].Therapeutic Good Identification	
		[PDR.ME.DI].Therapeutic Good Identification	
	Item Strength	[PDR.ME.PI].Therapeutic Good Strength (Additional Therapeutic Good Detail)	
		[PDR.ME.DI].Therapeutic Good Strength (Additional Therapeutic Good Detail)	
	Medication Form	[PDR.ME.PI].Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION).Form	
		[PDR.ME.DI].Ingredients and Form (CHEMICAL DESCRIPTION OF MEDICATION).Form	
	Quantity to Dispense	[PDR.ME.PI].DISPENSING.Quantity to Dispense (AMOUNT OF MEDICATION).Quantity Description	
	Quantity Dispensed	[PDR.ME.DI].Quantity Dispensed (AMOUNT OF MEDICATION).Quantity Description	
	Label Instructions	[PDR.ME.DI].Label Instruction (Medication Action Instructions)	
	Directions	[PDR.ME.PI].Directions	
	DateTime Prescription Written	[PDR.ME.PI].DateTime Prescription Written (DateTime Medication Instruction Written)	
		[PDR.MES.SME].DateTime Prescription Written (DateTime Earliest Prescription Written)	

Requirement Section	Data Item	SCS Data Element	Note
	DateTime of Dispense Event	[PDR.ME.DI].DateTime of Dispense Event (Medication Action DateTime)	
	DateTime of latest Dispense Event	[PDR.MES.SME].DateTime of Latest Dispense Event	
	Number of supply	[PDR.ME.DI].Number of this Dispense	
		[PDR.MES.SME].Total Number of Known Supplies	
	maximum number of supplies	[PDR.ME.PI].DISPENSING.Maximum Number of Repeats (Number of Repeats) + 1	
		[PDR.ME.DI].Maximum Number of Repeats + 1	
		[PDR.MES.SME].Maximum Number of Permitted Supplies	
	Link to Source Document	[PDR.ME.PI].Prescription Record Link (LINK).Link Target	
		[PDR.ME.DI].Dispense Record Link (LINK).Link Target	
Prescription (Prescribing Dispensing Record View)	Component	<i>Requirement withdrawn as notified Kathy Smalley on 29 October.</i>	
Dispense (Prescribing Dispensing Record View)	Component	<i>Requirement withdrawn as notified Kathy Smalley on 29 October.</i>	

SCS Data Elements Not Included in Requirements

SCS Data Element
[PDR.ME.DI].Additional Dispensed Item Description (Additional Therapeutic Good Detail)
[PDR.ME.DI].Formula
[PDR.ME.DI].Comment (Medication Action Comment)
[PDR.ME.DI].Brand Substitution Occurred
[PDR.ME.DI].PBS Manufacturer Code (Administrative Manufacturer Code)
[PDR.ME.DI].Unique Pharmacy Prescription Number (Administrative System Identifier)
[PDR.ME.DI].Dispense Item Identifier (Medication Action Instance Identifier)
[PDR.ME.DI].Prescription Item Link (LINK)
[PDR.ME.PI].Formula
[PDR.ME.PI].Clinical Indication
[PDR.ME.PI].Comment (Medication Instruction Comment)
[PDR.ME.PI].Minimum Interval Between Repeats

SCS Data Element
[PDR.ME.PI].Brand Substitution Permitted
[PDR.ME.PI].PBS Manufacturer Code (Administrative Manufacturer Code)
[PDR.ME.PI].DateTime Prescription Expires (DateTime Medication Instruction Expires)

Appendix B. Known Issues

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.
Mapping from Requirements	This includes a notes column which contains working notes.
UML Class Model	This has been omitted.
2.7 Earliest Date for Filtering	This should be essential, not optional.
2.8 Latest Date for Filtering	This should be essential, not optional.
2.9 PCEHR Prescription and Dispense View Instance Identifier	This should be essential, not optional.
2.4 Subject of Care	The definition should refer to "PCEHR Prescription and Dispense View", not "NPDR Prescribing/Dispensing View"
4.4 Therapeutic Good Identification	The data element 4.4 Therapeutic Good Identification will always have the same value as 6.5 Therapeutic Good Identification. This causes a problem, while 6.5 is optional (via Prescription Item) 4.4 is essential. If no value is available for 6.5, use an appropriate null flavour for 4.4.

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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 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.

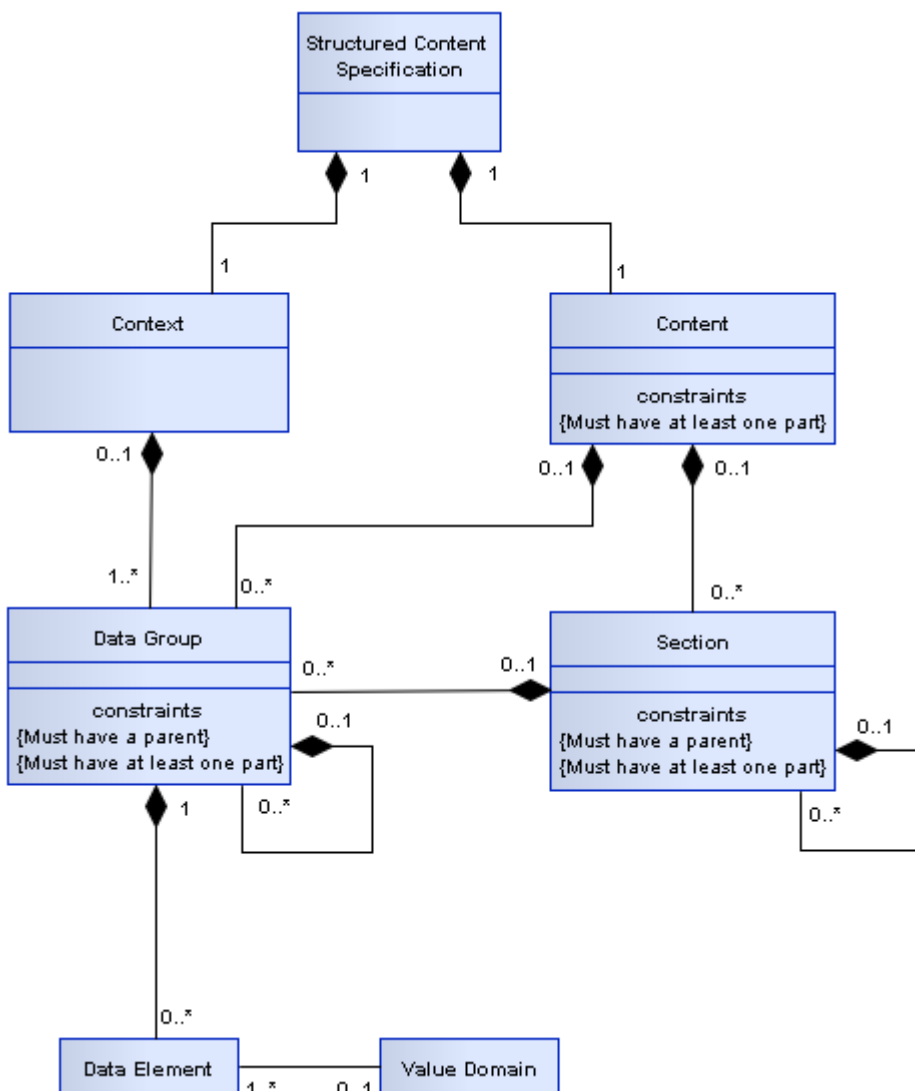


Figure 1: SCS Metamodel

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

The 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 a 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 and/or data elements. 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, *DateTime 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 and/or upper bound 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.

Data Element	Data Type	Example of Value Domain										
Sex	CodedText	<p>[SA2006a] and [SA2006b] derive their values from METeOR 270263 which includes values such as:</p> <table border="1"> <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).										

Table 1: Value Domain Examples

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.







Icon	Metadata Types
	Structured Document
	Section
	Data Group
	Participation
	Choice

Table 2: Metadata Types Legend

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 [\[NEHT2010c\]](#).

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>Usage/Examples</p> <ul style="list-style-type: none"> 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"/>.



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. Whilst 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 and/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 and/or time. Has the ability to indicate a level of precision, but not whether the date/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.
		Usage/Examples
		<ul style="list-style-type: none"> • 3 hours • 6 months • 1 year
	Any (ISO 21090: ANY)	Represents a data element where the data type to be used is conditional upon 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 SHOULD NOT 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).
		Usage/Examples
		<ul style="list-style-type: none"> • JPEG images • HTML documents • [RFC1521] MIME types
	Integer (ISO 21090: INT)	The mathematical data type comprising the exact integral values (according to [NEHT2010c]).
		Usage/Examples
		<ul style="list-style-type: none"> • 1 • -50 • 125
	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.
		Usage/Examples
		<ul style="list-style-type: none"> • 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>. • An absolute or relative path within a file/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>

	Quantity (ISO 21090: PQ)	Used for recording many real world measurements and observations. Includes the magnitude value and the units. Usage/Examples <ul style="list-style-type: none">• 100 centimetres• 25.5 grams
	QuantityRatio (ISO 21090: RTO)	The relative magnitudes of two <i>Quantity</i> values (usually expressed as a quotient). Usage/Examples <ul style="list-style-type: none">• 25 mg/500 ml• 200 mmol per litre
	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. Usage/Examples <ul style="list-style-type: none">• -20 to 100 Celsius• 30-50 mg• >10 kg
	Real (ISO 21090: REAL)	A computational approximation to the standard mathematical concept of real numbers. These are often called floating-point numbers. Usage/Examples <ul style="list-style-type: none">• 1.075• -325.1• 3.14157
	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. Sometimes referred to as free text. Usage/Examples <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. Usage/Examples <ul style="list-style-type: none">• 01/01/2008 – 31/12/2008• 1:30 a.m. – 6:00 p.m., duration/width = 16.5 hours



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 as such.
- *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.

Table 3: Data Types Legend

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

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

MAY	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 SHALL 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 SHALL be prepared to interoperate with another implementation that does not include the option (except of course, for the feature the option provides).
SHALL NOT	This phrase means that the definition is an absolute prohibition of the specification.
SHOULD NOT	This phrase, or the phrase 'not recommended' means that there MAY exist valid reasons in particular circumstances when the particular behaviour is acceptable or even useful, but the full implications SHOULD be understood and the case carefully weighed before implementing any behaviour described with this label.

Table 4: Keywords Legend

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.

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

CONDITIONAL	<p>Indicates that a data component is considered ESSENTIAL 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 ESSENTIAL and SHALL be populated.</p> <p>When a condition is not met, the data component may be considered as PROHIBITED, or the data component may be considered OPTIONAL.</p> <p>Usage/Examples:</p> <p>Within a Pathology Result Report, the <i>Specimen Detail</i> data group is ESSENTIAL if the requested test is to be performed on a specimen, otherwise it SHALL NOT be populated.</p>
--------------------	---

Table 5: Obligations Legend

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 are obligatory to implement.

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.

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

Table 6: Identification Section Legend

Definition Section Legend

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

Definition	The meaning, description and/or explanation of the data component. (Source NEHTA.)
Definition Source	The authoritative source for the Definition statement.
Synonymous Names	A list of any names the data component MAY also be known as. (Source NEHTA.)
Scope	Implementers MAY prefer to use synonymous names to refer to the component in specific contexts. 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. For example, Medication Instruction (data group) has a scope which includes all prescribable therapeutic goods, both medicines and non-medicines. This attribute is not relevant to data elements or value domains. (Source NEHTA.)
Scope Source	The authoritative source for the Scope statement.
Context	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. For example, Street Name has a context of Address. (Source NEHTA.)
Assumptions	Suppositions and notions used in defining the data component. (Source NEHTA.)

Assumptions Source	The authoritative source for the Assumptions statement.
Notes	Informative text that further describes the data component, or assists in the understanding of how the data component can be used. (Source NEHTA.)
Notes Source	The authoritative source for the Notes statement.
Data Type	The data type of the data element, e.g. DateTime or Text. (Source NEHTA.) The Data type is applicable only to data elements.
Value Domain	The valid data types are specified in the Data Types Legend . 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 SHALL be registered code sets, i.e. registered through the HL7 code set registration procedure with an appropriate object identifier (OID), and SHALL be publicly available. When national standard code sets become available, they SHALL be used and the non-standard code sets SHALL be deprecated. (Source NEHTA.) The Value Domain is applicable only to CodedText and CodeableText data elements.

Table 7: Definition Section Legend

Value Domain Section Legend

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

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

Table 8: Value Domain Section Legend

Usage Section Legend

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

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

Table 9: Usage Section Legend

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 Children relationships table.

Data Type	Name	Occurrences	Condition
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 SHALL occur.	The conditions that SHALL be met to include this child data element. Only applicable for elements with a Conditional obligation.

Table 10: Children Legend

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.

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

Table 11: Parent Legend

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