



Dispense Record
Structured Document Template

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Document Information

Document owner

Document Owner

The National Clinical Terminology and Information Service

Change history

Version	Date	Comments
1.0	20 Nov 2009	Initial public release.
2.0	16 Jun 2010	Extensive changes following public consultation.

Related documents

Name	Version/Release Date
Participation Data Specification	Version 2.0, Issued 30 November 2009
Participation Specialisations Data Specification	Version 1.0, Issued 30 November 2009
Data Types in NEHTA Specifications	Version 1.0, Issued 30 June 2010
Data Specifications and Structured Document Templates - Guide for Use	Version No. 1.1, Issued 7 June 2010
ePrescription Structured Document Template	Version 2.0, Issued 30 June 2010

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- Standards Australia;
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1 Introduction

This document is a Structured Document Template (SDT) for dispense records. It specifies the information structure of NEHTA compliant dispense records in order to support the Electronic Transfer of Prescription (ETP).

For the purposes of this document, and according to [NEHTA ETP Logical Information Model \[NEHT2009k\]](#)

The Dispense Record is the encapsulation of all activity associated with the dispensing of a single ePrescription Item within a single dispensing event. More specifically, a Dispense Record instance may exist for each ePrescription Item. A single Dispense Event may be associated with many Dispense Records, each of which encapsulates the dispensing information associated with a single ePrescription Item.

Essential information about structured document templates can be found in [NEHTA Data Specifications and Structured Document Templates - Guide for Use \[NEHT2010d\]](#).

This document is for review and the National Clinical Terminology and Information Service team (NCTIS) values your questions and comments about this document. Please direct your questions or feedback to clinicalinformation@nehta.gov.au.

1.1 Document Purpose

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

It is part of the foundation for any implementation of a NEHTA compliant electronic prescription system.

It is also a key input to the [NEHTA Dispense Record CDA Implementation Guide \[NEHT2010h\]](#), which describes how to implement NEHTA compliant dispense records using [HL7 Clinical Document Architecture \[HL7CDA\]](#).

1.2 Intended Audience

This document describes the structured document template for a dispense record from a clinical communication perspective. It 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 Overview

The aim of Electronic Transfer of Prescription (ETP) is to improve the flow of information between a Prescriber and one or more Dispensers that occurs for each “prescribing-dispensing process”. For ETP Release 1 this will enable the electronic flow of prescription related information, while maintaining paper based prescriptions (current process) in parallel. This document specifies the clinical information content of dispense records in such a system.

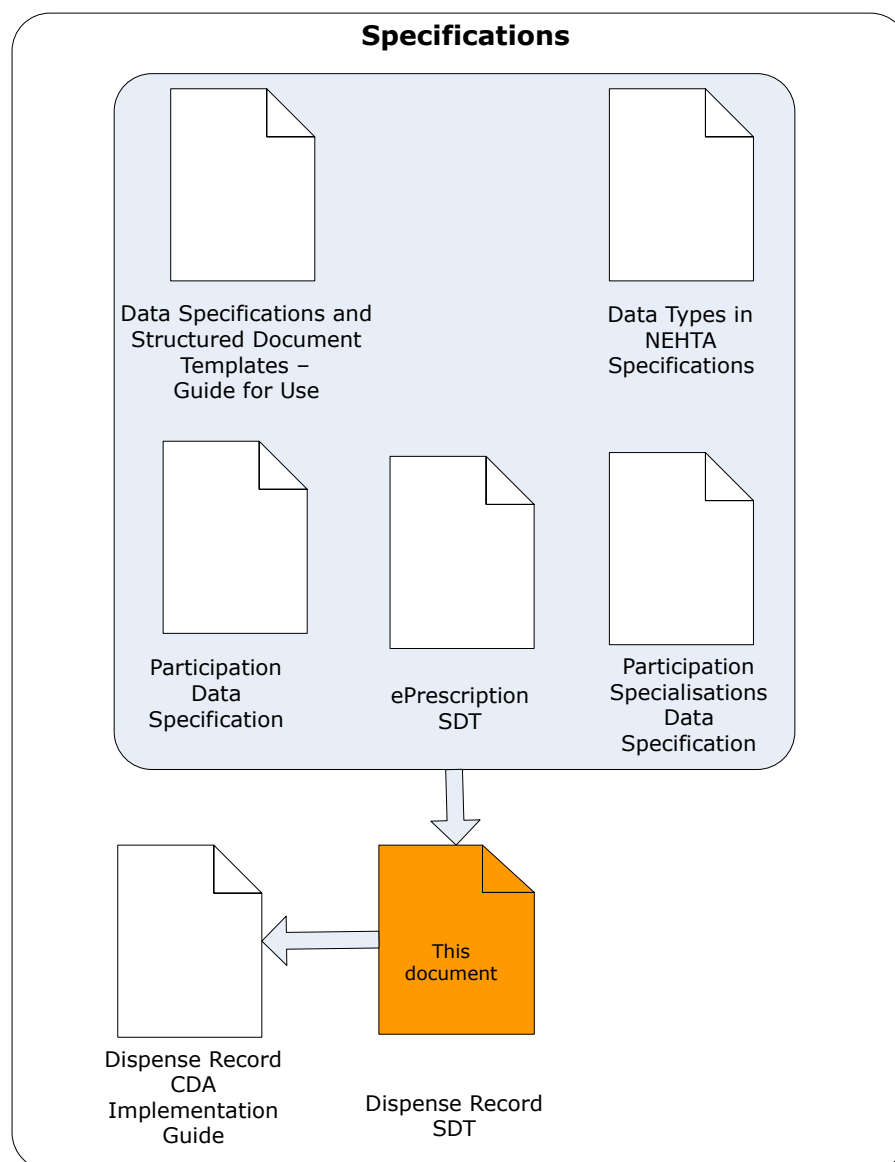
Key features of the Electronic Transfer of Prescription (ETP) Release1 are:

- A general practitioner who has an Electronic Prescribing System (EPS) can create an electronic version of a prescription, an ePrescription, containing at least one prescribed item with related dosage and dispensing instructions.
- An electronic prescription used to request pharmaceutical benefits must fulfil the requirements of Regulation 5A of the National Health (Pharmaceutical Benefits) Regulations 1960 and be prepared in accordance with Regulation 19 of the same set of regulations. (For further elaboration refer to the document: [NEHTA ETP Logical Information Model \[NEHT2009k\]](#)).
- The subject of care will be provided with a paper copy of the prescription.
- The ePrescription will be transmitted to, and stored in, a Prescription Exchange Service (PES), which is an online service operated by a PES provider. The PES will be accessible by any Electronic Dispensing System (EDS) in use in a community pharmacy.
- The subject of care will present at a community pharmacy of their choice with the paper prescription, which the dispenser at that pharmacy will use as the basis of identifying and retrieving the related ePrescription from the PES.
- Dispensing takes place, which may entail a number of tasks, including further interaction between the dispenser and the subject of care, between the dispenser and the prescriber or other authorities such as Medicare Australia.
- After the dispensing is completed, one or more electronic dispense records, called PES-DR, containing information pertinent to that event are created and stored in the PES.

Further information for the ePrescription data groups and data elements is also provided in the following document: [NEHTA ePrescription Structured Document Template \[NEHT2010e\]](#).

1.4 Document Map

This document is not intended to be used in isolation. Companion documents are listed below:



Document Map

1. [NEHTA Data Specifications and Structured Document Templates - Guide for Use \[NEHT2010d\]](#).
2. [NEHTA Data Types in NEHTA Specifications \[NEHT2010c\]](#).
3. [NEHTA Participation Data Specification \[NEHT2009c\]](#).
4. [NEHTA Participation Specialisations Data Specification \[NEHT2009d\]](#).
5. [NEHTA ePrescription Structured Document Template \[NEHT2010e\]](#).
6. [NEHTA Dispense Record CDA Implementation Guide \[NEHT2010h\]](#).

1.5 Document Scope

This document specifies the essential clinical data groups and elements to be captured in a dispense record exchange and the constraints that should be applied. Its scope is aligned to ETP

Release 1, which will support prescriptions that are generated by medical practitioners and dispensed by community pharmacists.

The types of prescription are:

- PBS/RPBS prescriptions
- PBS/RPBS authority prescriptions
- Non-PBS prescriptions (private prescriptions)

The content of this document is limited to three main areas:

- Dispense record context information – including the subject of care, the dispenser and the organisation
- Dispense record content – including details of the therapeutic good dispensed, or which was attempted to be dispensed
- UML diagram of the classes that underlie a dispense record

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

1.6 Known Issues

These are the known issues with this specification at the time of publishing. NEHTA is working on solutions to these issues, but we encourage and invite comments to further assist the development of these solutions.

- Medicines and medical devices are the two sub-types of therapeutic good. NEHTA's modelling of medicines is adequate to support community prescribing, however the modelling of medical devices has not been completed. This document assumes that prescriptions are about therapeutic goods and that the differences between medicines and medical devices do not affect the data structures required for electronic prescriptions. Further modelling may suggest a revised structure for the Dispense Item data group.
- Descriptions of extemporaneous preparations and prepackaged medications are currently recorded using the same data element. Further modelling may suggest a revised structure for the Dispense Item data group.
- Australian IHI's are not available for use, though the design in this document assumes that they are.
- The dosage data group in this release of the SDT is designed to support simple dosage instructions. Clinical input is being sought to modify the data group in order to support more complex dosing instructions such as variable and alternate dosing and multi-component medicines. This is an evolving process and will be supported by the development of an implementation guide outlining how the dosage data group is to be implemented.
- The address of the subject of care is constrained to be an Australian address. This needs to be relaxed, as the subject of care for a private prescription may have an international address.

2 Dispense Record Structured Document

2.1 DISPENSE RECORD







Identification

Name	DISPENSE RECORD
Metadata Type	Structured Document
Identifier	SD-16112
OID	1.2.36.1.2001.1001.101.100.16112

Definition

Definition	Information pertaining to the process of an authorised dispenser dealing out and making ready for supply a therapeutic good that requires a prescription, for the use of a subject of care.
Definition Source	NEHTA
Synonymous Names	
Scope	This is limited to dispensing by a pharmacist in a community pharmacy against prescriptions made by an authorised medical practitioner.
Scope Source	NEHTA
Notes	A dispense act may be completed with no item being supplied to the subject of care and still require the creation of a dispense record to record the fact.

Data Hierarchy

	DISPENSE RECORD	1..1
CONTEXT		
	SUBJECT OF CARE	1..1
	DISPENSER	1..1
	DISPENSING ORGANISATION	1..1
	DateTime of Dispense Act	1..1
CONTENT		
	DISPENSE ITEM	1..1

		ID	Dispense Item Identifier	1..1
		ID	Prescription Item Identifier	1..1
		T/T ₀₁₀	Therapeutic Good Description	1..1
		F	DOSAGE	0..1
		T	Dose Instruction	1..1
		T	Quantity of Therapeutic Good	1..1
		F	DISPENSING INFORMATION	1..1
		123	Maximum Number of Repeats	1..1
		ID	Repeat Authorisation Identifier	0..1
		✓x	Item Successfully Dispensed	1..1
		✓x	Brand Substitution Occurred	1..1
		✓x	Dispense Deferred	1..1
		123	Number of this Dispense	1..1
		T/T ₀₁₀	Claim Category Type	0..1
		T	Label Instruction	0..1
		T	Additional Comments	0..1

3 Dispense Record Context

3.1 SUBJECT OF CARE

Identification

Name	SUBJECT OF CARE
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296
External Identifier	AS 5017-2006

Definition

Definition	The person the prescription is for. The intended recipient of the prescribed item.
Definition Source	NEHTA
Synonymous Names	Patient Healthcare Individual

Usage

Conditions of Use

These are described in more detail in [A.1: Subject of Care](#).

This is a reuse of the PARTICIPATION BY NON-HEALTHCARE PROVIDER (PERSON) WITH DEMOGRAPHICS data group, which is described in [Participation Specialisations Data Specification \[NEHT2009d\]](#).

The following constraints are additional to those specified in [Participation Specialisations Data Specification \[NEHT2009d\]](#). Constraints are explained in [Data Specifications and Structured Document Templates - Guide for Use \[NEHT2010d\]](#).

Additional obligation and occurrence constraints:

- Healthcare Role is **PROHIBITED**.
- Participation Period is **PROHIBITED**.
- Entity Identifier is **ESSENTIAL**.
- ADDRESS is **ESSENTIAL**.
- ADDRESS is **SINGLE**.
- EMPLOYMENT DETAIL is **PROHIBITED**.
- Date of Death is **PROHIBITED**.
- Source of Death Notification is **PROHIBITED**.
- Mothers Original Family Name is **PROHIBITED**.
- Country of Birth is **PROHIBITED**.
- Identification Notes is **PROHIBITED**.

Other additional constraints:


- Participation Type **MUST** have a fixed value of "Subject of Care"
- There **MUST** be one and only one Entity Identifier with an Australian IHI as its value.
- There **MAY** be additional Entity Identifiers, but they **MUST NOT** have an Australian IHI as a value.
- AUSTRALIAN OR INTERNATIONAL ADDRESS **MUST** be instantiated as an AUSTRALIAN ADDRESS.
- ADDRESS **MUST** have an Address Purpose value of "Residential" or "Temporary Accommodation".
- Relationship to Subject of Care **MUST** have a fixed value of "Self".

Conditions of Use Source

NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE RECORD	Essential		Single

3.2 DISPENSER

Identification

Name	DISPENSER
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296

Definition

Definition	The healthcare provider who made the therapeutic good available.
Definition Source	NEHTA
Synonymous Names	

Usage


Conditions of Use	<p>These are described in more detail in A.2: Dispenser.</p> <p>This is a reuse of the PARTICIPATION BY HEALTHCARE PROVIDER (PERSON) data group, which is described in Participation Specialisations Data Specification [NEHT2009d].</p> <p>The following constraints are additional to those specified in Participation Specialisations Data Specification [NEHT2009d]. Constraints are explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].</p> <p>Additional obligation and occurrence constraints:</p> <ul style="list-style-type: none"> Healthcare Role is PROHIBITED. Participation Period is PROHIBITED. Entity Identifier is ESSENTIAL. HEALTHCARE PROVIDER FIELD OF PRACTICE is PROHIBITED. EMPLOYER ORGANISATION DETAIL is PROHIBITED. <p>Other additional constraints:</p> <ul style="list-style-type: none"> Participation Type MUST have a fixed value of "Dispenser". There MUST be one and only one Entity Identifier with an Australian HPI-I as its value. There MAY be additional Entity Identifiers, but they MUST NOT have an Australian HPI-I as a value.
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**Conditions of
Use Source**

NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE RECORD	Essential		Single

3.3 DISPENSING ORGANISATION

Identification

Name	DISPENSING ORGANISATION
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296

Definition

Definition	The organisation which the dispenser is working for when they dispense the item.
Definition Source	NEHTA
Synonymous Names	

Usage

Conditions of Use

These are described in more detail in [A.3: Dispensing Organisation](#).

This is a reuse of the PARTICIPATION BY ORGANISATION data group, which is described in [Participation Specialisations Data Specification \[NEHT2009d\]](#).

The following constraints are additional to those specified in [Participation Specialisations Data Specification \[NEHT2009d\]](#). Constraints are explained in [Data Specifications and Structured Document Templates - Guide for Use \[NEHT2010d\]](#).

Additional obligation and occurrence constraints:

- Healthcare Role is **PROHIBITED**.
- Participation Period is **PROHIBITED**.
- Entity Identifier is **ESSENTIAL**.
- ADDRESS is **ESSENTIAL**.
- ADDRESS is **SINGLE**.
- ELECTRONIC COMMUNICATION DETAIL is **ESSENTIAL**.

Other additional constraints:


- Participation Type **MUST** have a fixed value of “Dispenser Organisation”.
- There **MUST** be one and only one Entity Identifier with an Australian HPI-O as its value.
- There **MAY** be additional Entity Identifiers, but they **MUST NOT** have an Australian HPI-O as a value.
- AUSTRALIAN OR INTERNATIONAL ADDRESS **MUST** be instantiated as an AUSTRALIAN ADDRESS.
- ADDRESS **MUST** have an Address Purpose value of “Business”.
- If [Claim Category Type](#) has a value other than “No benefit”, then one ENTITLEMENT **MUST** have a Medicare Pharmacy Approval Number as a value.

Conditions of Use Source

NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE RECORD	Essential		Single

3.4 DateTime of Dispense Act

Identification

Name	DateTime of Dispense Act
Metadata Type	Data Element
Identifier	DE-16216
OID	1.2.36.1.2001.1001.101.103.16216

Definition


Definition	The date (and optionally time) when an authorised pharmacist or dispenser dispensed (or attempted to dispense) a prescribed item.
Definition Source	NEHTA
Synonymous Names	
Data Type	DateTime

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
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Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE RECORD	Essential		Single

4 Dispense Item Action

4.1 DISPENSE ITEM

Identification


Name	DISPENSE ITEM
Metadata Type	Data Group
Identifier	DG-10120
OID	1.2.36.1.2001.1001.101.102.10120

Definition

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

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE RECORD	Essential		Single

Children

Data Type	Name	Obligation	Condition	Occurrence
ID	Dispense Item Identifier	Essential		Single
ID	Prescription Item Identifier	Essential		Single
T/T_{orig}	Therapeutic Good Description	Essential		Single
F	DOSAGE	Optional		Single
T	Quantity of Therapeutic Good	Essential		Single
F	DISPENSING INFORMATION	Essential		Single

Data Type	Name	Obligation	Condition	Occurrence
T	Additional Comments	Optional		Single

4.2 Dispense Item Identifier

Identification

Name	Dispense Item Identifier
Metadata Type	Data Element
Identifier	DE-16104
OID	1.2.36.1.2001.1001.101.103.16104

Definition


Definition	A string generated by an EDS (Electronic Dispensing System) to uniquely identify information about a therapeutic good that is included within a dispense record.
Definition Source	NEHTA
Synonymous Names	
Data Type	UniquelIdentifier

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
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Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE ITEM	Essential		Single

4.3 Prescription Item Identifier

Identification

Name	Prescription Item Identifier
Metadata Type	Data Element
Identifier	DE-10136
OID	1.2.36.1.2001.1001.101.103.10136

Definition


Definition	A string generated by an EPS (Electronic Prescribing System) to uniquely identify information about a therapeutic good that is included within a prescription.
Definition Source	NEHTA
Synonymous Names	
Notes	This can be used to identify the owning prescription.
Data Type	UniquelIdentifier

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
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Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE ITEM	Essential		Single

4.4 Therapeutic Good Description

Identification

Name	Therapeutic Good Description
Metadata Type	Data Element
Identifier	DE-10194
OID	1.2.36.1.2001.1001.101.103.10194

Definition


Definition	<p>Describes 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; • influencing, inhibiting or modifying a physiological process; • testing the susceptibility of persons to a disease or ailment; • influencing, controlling or preventing conception; • testing for pregnancy; or • replacement or modification of parts of the anatomy.
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	The formal definition of a therapeutic good (from the Therapeutic Goods Act 1989) can be found at: [TGA2008a] .
Data Type	CodeableText
Value Domain	Therapeutic Good Description Values

Usage

Conditions of Use	Where the therapeutic good can be identified by an AMT (Australian Medicines Terminology) concept, this must be the AMT ConceptID and Preferred Term. For details see Therapeutic Good Description Values .
Conditions of Use Source	NEHTA
Examples	<p>Some examples of AMT Preferred Term are:</p> <ol style="list-style-type: none"> 1. Paracetamol 500 mg + codeine phosphate 30 mg tablet 2. Paracetamol 500 mg + codeine phosphate 30 mg tablet, 20 3. Panadeine Forte tablet: uncoated, 20 tablets 4. Panadeine Forte (paracetamol 500 mg + codeine phosphate 30 mg) tablet: uncoated, 1 tablet 5. Panadeine Forte tablet: uncoated, 20 tablets, blister pack 6. Bandage compression 10 cm x 3.5 m bandage: high stretch, 1 bandage

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE ITEM	Essential		Single

4.5 Therapeutic Good Description Values

Identification

Name	Therapeutic Good Description Values
Metadata Type	Value Domain
Identifier	VD-16115
OID	1.2.36.1.2001.1001.101.104.16115

Definition


Definition	<p>The set of values is: ConceptIDs and Preferred Terms from AMT (Australian Medicines Terminology) concepts which have one of the following modelled relationships:</p> <ul style="list-style-type: none"> • IS A Medicinal Product Unit of Use (MPUU); • IS A Medicinal Product Pack (MPP); • IS A Trade Product Unit of Use (TPUU); • IS A Trade Product Pack (TPP); • IS A Containered Trade Product Pack (CTPP). <p>Specifically for MPUU: only MPUU concepts that have no children MPUU are to be included. Where an MPUU concept is a parent of another MPUU, the parent MPUU is to be omitted.</p>
Definition Source	NEHTA
Notes	An explanation of AMT concepts can be found in Australian Medicines Terminology Editorial Rules [NEHT2009r] .

Value Domain

Source	Australian Medicines Terminology
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Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	Therapeutic Good Description	Essential		Single

4.6 DOSAGE

Identification

Name	DOSAGE
Metadata Type	Data Group
Identifier	DG-16007
OID	1.2.36.1.2001.1001.101.102.16007

Definition


Definition	The regimen governing the amount (in a single administration, i.e. dose quantity), the frequency, the route, and the number of doses of a therapeutic agent to be administered to a subject of care.
Definition Source	Based on Mosby's Medical Dictionary, 8th Edition [MOSB2008a] .
Synonymous Names	
Scope	This data group is used to provide details of dose instructions for medication dispensing and administration.
Scope Source	NEHTA
Notes	<p>The dosage data group in this release of the SDT is designed to support simple dosage instructions. Clinical input is being sought to modify the data group in order to support more complex dosing instructions such as variable and alternate dosing and multi-component medicines. This is an evolving process and will be supported by the development of an implementation guide outlining how the dosage data group is to be implemented.</p> <p>In the meantime, implementers may wish to examine the NHS Dose Syntax Model [NHS2009a]. That model, while different to this data group, provides many similarities.</p>

Usage

Conditions of Use	Required for medications.
Conditions of Use Source	NEHTA
Misuse	Using this data group for non-medication items, such as bandages. Instruction on the use of non-medication items can be recorded as text in the Additional Comments data element.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE ITEM	Optional		Single

Children

Data Type	Name	Obligation	Condition	Occurrence
T	Dose Instruction	Essential		Single

4.7 Dose Instruction

Identification

Name	Dose Instruction
Metadata Type	Data Element
Identifier	DE-16008
OID	1.2.36.1.2001.1001.101.103.16008

Definition


Definition	A description of the dose quantity, frequency, route instruction and cautionary advice that determines how the prescribed therapeutic substance is administered to, or taken by, the subject of care.
Definition Source	NEHTA
Synonymous Names	Dosage Instruction
Data Type	Text

Usage

Conditions of Use	This should include the dose quantity, frequency, route, administration schedule and any additional instructions required to safely describe the appropriate dosage. If appropriate, this may also include the site of administration.
Conditions of Use Source	NEHTA
Examples	<ol style="list-style-type: none"> One tablet twice a day every 12 hours, before or with the first mouthful of food. Apply thin layer to affected area 3-4 times daily; reassess after 7 days if no response.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DOSAGE	Essential		Single

4.8 Quantity of Therapeutic Good

Identification

Name	Quantity of Therapeutic Good
Metadata Type	Data Element
Identifier	DE-10145
OID	1.2.36.1.2001.1001.101.103.10145

Definition


Definition	A statement of the total number of units or physical amount of the therapeutic good that is prescribed, dispensed or supplied to the subject of care.
Definition Source	NEHTA
Synonymous Names	Quantity Supplied Unit of Use Quantity Supplied Dispensed Unit of Use Quantity
Data Type	Text

Usage

Examples	<ol style="list-style-type: none"> “40 tablets” (In the case of 2 packs of 20 tablets.) “10 vials” (In the case of 1 box of 10 vials of an injection (e.g. Injection 600 micrograms in 10 x 1 mL vials).)
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Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE ITEM	Essential		Single

4.9 DISPENSING INFORMATION

Identification


Name	DISPENSING INFORMATION
Metadata Type	Data Group
Identifier	DG-16063
OID	1.2.36.1.2001.1001.101.102.16063

Definition









Definition	Details about the dispensing of the therapeutic good other than the dosage.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE ITEM	Essential		Single

Children

Data Type	Name	Obligation	Condition	Occurrence
	Maximum Number of Repeats	Essential		Single
	Repeat Authorisation Identifier	Optional		Single
	Item Successfully Dispensed	Essential		Single
	Brand Substitution Occurred	Essential		Single
	Dispense Deferred	Essential		Single
	Number of this Dispense	Essential		Single
	Claim Category Type	Optional		Single
	Label Instruction	Optional		Single

4.10 Maximum Number of Repeats

Identification

Name	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	Number

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
Default Value	0

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Essential		Single

4.11 Repeat Authorisation Identifier

Identification

Name	Repeat Authorisation Identifier
Metadata Type	Data Element
Identifier	DE-16068
OID	1.2.36.1.2001.1001.101.103.16068

Definition


Definition	A string generated by an EDS (Electronic Dispensing System) to uniquely identify the repeat authorisation that is linked with the dispensed Prescribed Item.
Definition Source	NEHTA
Synonymous Names	
Notes	When a prescription with remaining repeats is filled, a repeat authorisation for the next dispensing is created at the time of dispensing. This is the identifier for that repeat authorisation.
Data Type	UniquelIdentifier

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
-----------------	--

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Optional		Single

4.12 Item Successfully Dispensed

Identification

Name	Item Successfully Dispensed
Metadata Type	Data Element
Identifier	DE-16105
OID	1.2.36.1.2001.1001.101.103.16105

Definition


Definition	An indicator that specifies whether supply of a prescribed item has actually occurred.
Definition Source	NEHTA
Synonymous Names	
Notes	A note on any failure to dispense can be made in Additional Comments .
Data Type	Boolean

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
-----------------	--

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Essential		Single

4.13 Brand Substitution Occurred

Identification

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

Definition


Definition	Indicates whether or not the substitution of a prescribed medication with a different brand name of the same medication occurred when the medication was dispensed/supplied.
Definition Source	NEHTA
Synonymous Names	
Data Type	Boolean

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
Misuse	Using this data element for therapeutic substitution. Using this data element for medical appliances.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Essential		Single

4.14 Dispense Deferred

Identification

Name	Dispense Deferred
Metadata Type	Data Element
Identifier	DE-10162
OID	1.2.36.1.2001.1001.101.103.10162

Definition


Definition	Indicates whether or not the dispensing of the prescribed item has been deferred.
Definition Source	NEHTA
Synonymous Names	
Data Type	Boolean

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
-----------------	--

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Essential		Single

4.15 Number of this Dispense

Identification

Name	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 that has been reached for a prescribed item. This count includes the first dispense.
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 (<i>Number of this Dispense</i>) indicates which dispensing of the item is being attempted by the dispense act that this dispense record documents.</p> <p>The value of <i>Number of this Dispense</i> is one more than the number of times the prescribed item has successfully been dispensed prior to this dispensing.</p> <p>The value of <i>Number of this Dispense</i> 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 <i>number this repeat</i>.</p>
Data Type	Number

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d] .
-----------------	--

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Essential		Single

4.16 Claim Category Type

Identification

Name	Claim Category Type
Metadata Type	Data Element
Identifier	DE-16060
OID	1.2.36.1.2001.1001.101.103.16060

Definition


Definition	Indicates the category of pharmaceutical benefits applicable to the item being dispensed.
Definition Source	NEHTA
Synonymous Names	
Notes	The primary purpose of this data element is to enable the determination of the source of any applicable financial subsidy for the item.
Data Type	CodeableText
Value Domain	Claim Category Type Values

Usage

Conditions of Use	This data element only relates to Dispense Records of successful dispense events.
Conditions of Use Source	NEHTA
Examples	

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Optional		Single

4.17 Claim Category Type Values

Identification

Name	Claim Category Type Values
Metadata Type	Value Domain
Identifier	VD-16060
OID	1.2.36.1.2001.1001.101.104.16060

Definition


Definition	The set of values of Claim Category Type.
Definition Source	NEHTA

Value Domain

Source	NEHTA	
Permissible Values	1, G	General benefit.
	2, C	Concessional or Safety Net Concession benefit.
	3, E	Safety Net Entitlement Card benefit.
	4, R	RPBS benefit.
	9, No benefit	This item is not covered by any Medicare registered benefit.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
 T ₁₀	Claim Category Type	Essential		Single

4.18 Label Instruction

Identification

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

Definition


Definition	Dispenser instructions to the subject of care concerning the therapeutic good.
Definition Source	NEHTA
Synonymous Names	
Notes	<p>Instructions may include such things as:</p> <ul style="list-style-type: none"> • storage instructions and conditions; • special or cautionary directions associated with preparation or administration of dosages; • action to be taken if a dose is missed; • relevant drug/drug, drug/food, drug/alcohol interaction; • directions for the correct use of medicine. <p>Such directions will usually be printed on a label and attached to the dispensed container.</p> <p>There are standard cautionary advisory labels developed and maintained by the Pharmaceutical Society of Australia (PSA). These labels are published in The Australian Pharmaceutical Formulary and Handbook [PSA2009a].</p>
Data Type	Text

Usage

Examples

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSING INFORMATION	Optional		Single

4.19 Additional Comments

Identification

Name	Additional Comments
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	
Notes	This can be used for details of the method of use of medical devices.
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 through the fingernail by clipping the device to the index finger.
Misuse	Use for information that could be recorded as structured data.

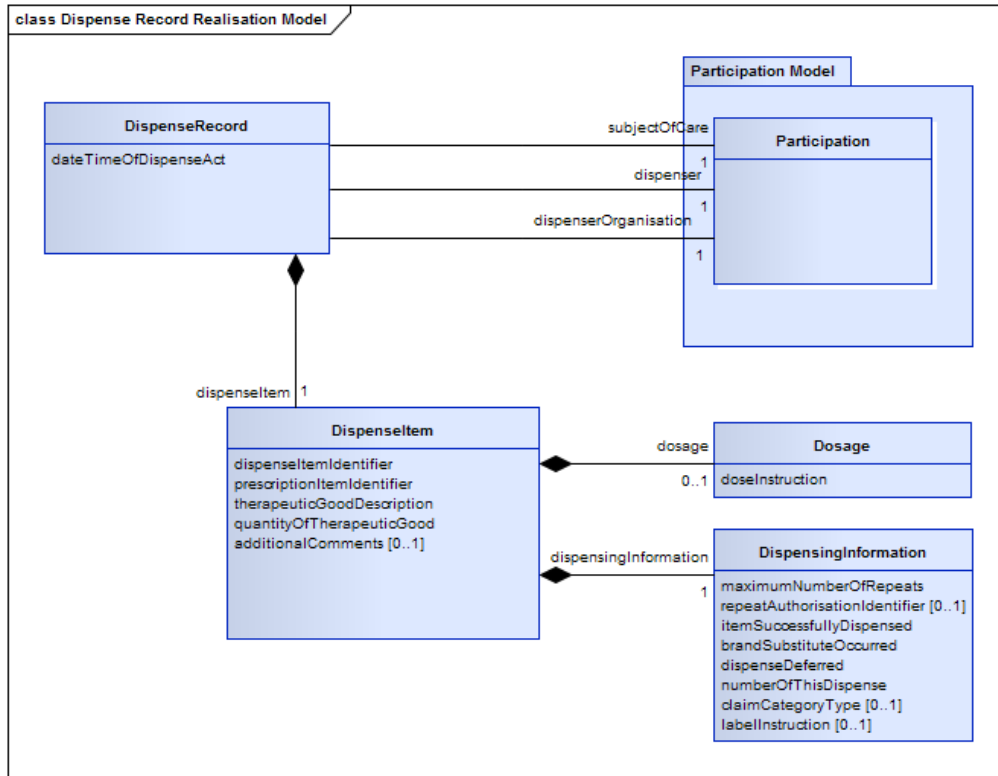
Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DISPENSE ITEM	Optional		Single

5 UML Class Diagram

The following figure presents the data hierarchy using a UML 2.0 class diagram. The diagram displays data groups and data elements, together with their names, data types and multiplicities. Data groups are displayed as classes and data elements are displayed as attributes. The diagram shows the data hierarchy excluding the details of participation. The default multiplicity is 1..1.



UML class diagram of the dispense record data hierarchy.

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
Appendix A. Participations







This appendix details the participation data groups used in the dispense record SDT. Each participation data group is described with a data hierarchy and a list of value constraints. The data hierarchies have been constrained from the general participation data hierarchies described in [Participation Data Specification \[NEHT2009c\]](#) and [Participation Specialisations Data Specification \[NEHT2009d\]](#). The format of the data hierarchy tables is also explained in [Data Specifications and Structured Document Templates - Guide for Use \[NEHT2010d\]](#). The value constraints have the same form as those in the body of the SDT.

A.1 Subject of Care

Data Hierarchy

	PARTICIPATION				
		Participation Type		!	
		Healthcare Role		X	
		Participation Period		X	
		LOCATION OF PARTICIPATION		X	
		PARTICIPANT			!
			Entity Identifier	!↻	
			ADDRESS	!	
			No Fixed Address Indicator	!	
			AUSTRALIAN OR INTERNATIONAL ADDRESS	!	
				AUSTRALIAN ADDRESS	!
				Australian Address Line	0↻
				Australian Suburb/Town/Locality	0
				Australian State/Territory	0
				Australian Postcode	0
				Australian Delivery Point Identifier	0
				INTERNATIONAL ADDRESS	X

				ADDRESS PURPOSE DETAIL	
			T₀₁₀	Address Purpose	!
				Address Purpose Date Range	O
				ELECTRONIC COMMUNICATION DETAIL	
			T₀₁₀	Electronic Communication Medium	!
			T₀₁₀	Electronic Communication Usage Code	O
			T	Electronic Communication Address	!
		C		PERSON OR ORGANISATION	!
				PERSON	!
				PERSON NAME	
			T₀₁₀	Name Title	
			T	Family Name	!
			T	Given Name	
			T₀₁₀	Name Suffix	
				Preferred Name Indicator	O
			T₀₁₀	Name Conditional Use Flag	
				NAME USAGE DETAIL	
			T₀₁₀	Name Usage	!
				Name Usage Date Range	O
			C	HEALTHCARE PROVIDER OR NON HEALTHCARE PROVIDER	!
				HEALTHCARE PROVIDER DETAIL	
				NON HEALTHCARE PROVIDER DETAIL	!
			T/T_{ent}	Relationship to Subject of Care	!
				EMPLOYMENT DETAIL	

							DEMOGRAPHIC DATA	!
						T ₀₁₀	Sex	O
							Date of Birth	O
							Date of Death	X
						T ₀₁₀	Source of Death Notification	X
						T	Mothers Original Family Name	X
						T/T ₀₁₀	Country of Birth	X
						T	Identification Notes	X
				ORGANISATION				X
			ENTITLEMENT					O↻
			ID	Entitlement Number				!
			T/T ₀₁₀	Entitlement Type				!
				Entitlement Validity Duration				O

Constraints on data values























- Participation Type **MUST** have a fixed value of “Subject of Care”.
- There **MUST** be one and only one Entity Identifier with an Australian IHI as its value.
- There **MAY** be additional Entity Identifiers, but they **MUST NOT** have an Australian IHI as a value.
- ADDRESS **MUST** have an Address Purpose value of “Residential” or “Temporary Accommodation”.
- Relationship to Subject of Care **MUST** have a fixed value of “Self”.

Notes









- The subject of care's medicare card number is recorded in ENTITLEMENT, not Entity Identifier.

A.2 Dispenser

Data Hierarchy

	PARTICIPATION			
		Participation Type		!
		Healthcare Role		X
		Participation Period		X
		LOCATION OF PARTICIPATION		X
		PARTICIPANT		!
			Entity Identifier	!↻
			ADDRESS	0↻
			No Fixed Address Indicator	!
			AUSTRALIAN OR INTERNATIONAL ADDRESS	!
			AUSTRALIAN ADDRESS	0
			 Australian Address Line	0↻
			 Australian Suburb/Town/Locality	0
			 Australian State/Territory	0
			 Australian Postcode	0
			 Australian Delivery Point Identifier	0
			INTERNATIONAL ADDRESS	0
			 International Address Line	0↻
			 International State/Province	0
			 International Postcode	0
			 Country	0
			ADDRESS PURPOSE DETAIL	!↻

				T ₀₁₀	Address Purpose	!
					Address Purpose Date Range	O
			ELECTRONIC COMMUNICATION DETAIL			0
				T ₀₁₀	Electronic Communication Medium	!
				T ₀₁₀	Electronic Communication Usage Code	O
				T	Electronic Communication Address	!
		C	PERSON OR ORGANISATION			!
				PERSON		!
					PERSON NAME	!
					T ₀₁₀ Name Title	0
					T Family Name	!
					T Given Name	0
					T ₀₁₀ Name Suffix	0
					Preferred Name Indicator	O
					T ₀₁₀ Name Conditional Use Flag	0
					NAME USAGE DETAIL	0
					T ₀₁₀ Name Usage	!
					Name Usage Date Range	O
				C	HEALTHCARE PROVIDER OR NON HEALTHCARE PROVIDER	!
					HEALTHCARE PROVIDER DETAIL	!
					HEALTHCARE PROVIDER FIELD OF PRACTICE	X
					EMPLOYER ORGANISATION DETAIL	X
					NON HEALTHCARE PROVIDER DETAIL	X
				ORGANISATION		X


























			ENTITLEMENT	
			Entitlement Number	
			Entitlement Type	
			Entitlement Validity Duration	











Constraints on data values

- Participation Type **MUST** have a fixed value of “Dispenser”.
- There **MUST** be one and only one Entity Identifier with an Australian HPI-I as its value.
- There **MAY** be additional Entity Identifiers, but they **MUST NOT** have an Australian HPI-I as a value.

A.3 Dispensing Organisation

Data Hierarchy

	PARTICIPATION		
		Participation Type	!
		Healthcare Role	X
		Participation Period	X
	LOCATION OF PARTICIPATION		X
	PARTICIPANT		!
		Entity Identifier	!↻
		ADDRESS	!
		No Fixed Address Indicator	!
		AUSTRALIAN OR INTERNATIONAL ADDRESS	!
		AUSTRALIAN ADDRESS	!
		Australian Address Line	0↻
		Australian Suburb/Town/Locality	0
		Australian State/Territory	0
		Australian Postcode	0
		Australian Delivery Point Identifier	0
		INTERNATIONAL ADDRESS	X
		ADDRESS PURPOSE DETAIL	!↻
		Address Purpose	!
		Address Purpose Date Range	0
		ELECTRONIC COMMUNICATION DETAIL	!
		Electronic Communication Medium	!

			T₀₁₀	Electronic Communication Usage Code		O
			T	Electronic Communication Address		!
		C		PERSON OR ORGANISATION		!
				PERSON		X
				ORGANISATION		!
				ORGANISATION NAME DETAIL		
				T	Organisation Name	!
				T	Department/Unit	O
				NAME USAGE DETAIL		
				T₀₁₀	Name Usage	!
					Name Usage Date Range	O
				ENTITLEMENT		
			ID	Entitlement Number		!
			T₀₁₀	Entitlement Type		!
				Entitlement Validity Duration		O

Constraints on data values

- Participation Type **MUST** have a fixed value of “Dispenser Organisation”.
- There **MUST** be one and only one Entity Identifier with an Australian HPI-O as its value.
- There **MAY** be additional Entity Identifiers, but they **MUST NOT** have an Australian HPI-O as a value.
- ADDRESS **MUST** have a an Address Purpose value of “Business”.
- If Claim Category Type has a value other than “No benefit”, then one ENTITLEMENT **MUST** have a Medicare Pharmacy Approval Number as a value.

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