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Detailed Clinical Model Library v4.3 Release Note

18 December 2015

Approved for external use

End product identifier: EP-2169:2015

Detailed clinical models are the building blocks from which all other models and specifications produced by NEHTA's Clinical Information team are created. This release introduces the detailed clinical models used by the My Health Record system prescribing and dispensing documents and the Child eHealth Record structured content specifications published for the My Health Record system.

Release rationale

As a result of the modelling done to support the My Health Record system pathology and diagnostic imaging, event summaries and shared health summaries, a number of models have been changed and some new models added to the set of detailed clinical models. These models were developed in accordance with the requirements for the My Health Record system, in order to enable the production of a complete and satisfactory set of structured content specifications and CDA™[1] implementation guides. This release of the Detailed Clinical Model Library publishes these new and changed models.

Package inclusions

New

Identifier	Name and version
NEHTA-2087:2015	Medical History Detailed Clinical Model Specification v1.0

Updated (supersedes previous version)

Identifier	Name and version
NEHTA-1641:2015	Imaging Examination Result Detailed Clinical Model Specification v3.0
NEHTA-2089:2015	Imaging Examination Result Detailed Clinical Model Specification v3.1
NEHTA-1642:2015	Pathology Test Result Detailed Clinical Model Specification v3.0
NEHTA-2088:2015	Pathology Test Result Detailed Clinical Model Specification v3.1
NEHTA-1730:2015	Medicare Repositories Detailed Clinical Model Specification v1.1
NEHTA-1731:2015	Medication Action And Instruction Detailed Clinical Model Specification v2.3
NEHTA-2090:2015	Adverse Reaction Detailed Clinical Model Specification v3.2

[1] CDA is a trademark of Health Level Seven International and is registered with the United States Patent and Trademark Office.

Identifier	Name and version
NEHTA:2091:2015	Miscellaneous Detailed Clinical Model Specification v1.4
NEHTA-2212:2015	Physical Examination Findings Detailed Clinical Model Specification v1.1
NEHTA-2213:2015	Body Measurement Detailed Clinical Model Specification v1.1
NEHTA2171:2015	Detailed Clinical Model Library Release Note v4.3 *(this document)*

Removed (archived or withdrawn)

None

Audience

These detailed clinical models are intended primarily for software developers implementing the My Health Record system.

Capabilities

Replaced data group that enables linking a data instance of the model to another data instance (of the same or a different model) elsewhere in the same or another document or electronic health record with a data group with a different name and definition, but the same scope and intent.

The changes are summarised below. Each detailed clinical model specification contains its own change log.

Additions

- Added a new detailed clinical model, *Document Use Authorisation (Instruction)* to the *Miscellaneous Detailed Clinical Model Specification v1.4*.

Changes

In addition to minor editorial changes in all specifications, the following changes have been made:

- Improved terminology bindings in :
  - *Adverse Reaction Detailed Clinical Model Specification*
  - *Medication Instruction and Action Detailed Clinical Model Specification*
  - *Miscellaneous Detailed Clinical Model Specification*
- Improved various detailed clinical models by inclusion and removal of data components in:
  - *Miscellaneous Detailed Clinical Model Specification*
  - *Body Measurement Detailed Clinical Model Specification*
  - *Physical Examination Findings Detailed Clinical Model Specification*
- Moved the following detailed clinical models to *Medical History Detailed Clinical Model Specification v1.0:*
  - *Problem/Diagnosis*
  - *Exclusion Statement – Problems and Diagnoses*
  - *Exclusion Statement – Procedures*

    - *Procedure*

- Updated *Procedure* detailed clinical model by removing data elements and changing cardinalities. This detailed clinical model is now published in *Medical History Detailed Clinical Model Specification v1.0*.
- Improved *Pathology Test Result* detailed clinical model in *Pathology Test Result Detailed Clinical Model Specification v3.0* by making extensive changes to the data hierarchy, including inclusion and removal of data elements, changing data types and changing cardinalities. The scope and intent of this detailed clinical model are the same.
- Improved *Imaging Examination Result* detailed clinical model in *Imaging Examination Result Detailed Clinical Model Specification v3.0* by making extensive changes to the data hierarchy including inclusion and removal of data elements, changing data types and changing cardinalities. The scope and intent of this detailed clinical model are the same.

Removals

- Removed *Medical History Item Detailed Clinical Model* from the Miscellaneous Detailed Clinical Model Specification. This DCM has been renamed to *Uncategorised Medical History Item* and published in *Medical History Detailed Clinical Model Specification*. The scope and the intent of the DCM are the same.

Known issues

Each detailed clinical model contains its own list of known issues.

Support

This release will be supported until the models described herein are explicitly deprecated, and ultimately withdrawn by NEHTA.

For further support or to provide feedback, please email help@nehta.gov.au

Future releases

Future releases will be made as and when new requirements come to light for the detailed clinical models themselves or for the structured content specifications that make use of them.

Previous releases

The details of all previous releases are given below.

Detailed Clinical Model Library v4.2, 4 September 2013

EP-1414:2013

Release rationale

As a result of the modelling done to support the PCEHR prescribing and dispensing documents and Child eHealth Record structured content specifications for the PCEHR, a number of models have been changed and some new models added to the set of detailed clinical models. These models were developed in accordance with the requirements for the PCEHR, in order to enable the production of a complete and satisfactory set of structured content specifications and CDA implementation guides. This release of the Detailed Clinical Model Library publishes those new and changed models.

Package inclusions

For a full list of inclusions, see:
https://www.nehta.gov.au/implementation-resources/clinical-documents/EP-1414-2013

Scope

The changes are as follows:

- a new detailed clinical model, *Summary of Medication Entries*, added to the *Miscellaneous Detailed Clinical Model Specification* to support the PCEHR prescribing and dispensing documents structured content specifications;
- a new detailed clinical model, *General Observation*, added to the *Miscellaneous Detailed Clinical Model Specification* to support the Child eHealth Record structured content specifications*;*
- a new detailed clinical model is provided in the *Physical Examination Findings Detailed Clinical Model Specification* to support the Child eHealth Record structured content specifications*;*
- four new detailed clinical models are provided in the *Body Measurements Detailed Clinical Model Specification* to support the Child eHealth Record structured content specifications; and
- several revisions to the *Medication Instruction* and *Medication Action* detailed clinical models to support the PCEHR prescribing and dispensing documents structured content specifications including inclusion of new data elements, changing data types, and correcting OIDs.

Each detailed clinical model specification contains its own change log.

Detailed Clinical Model Library v4.1, 1 August 2013

EP-1387:2013

Release rationale

As a result of the modelling done to support the initial suite of structured content specifications for the PCEHR, a few shortcomings were identified in the current set of detailed clinical models. These models were updated in accordance with the requirements for the PCEHR in order to enable the production of a complete and satisfactory set of structured content specifications and CDA implementation guides. This release of the Detailed Clinical Model Library publishes those updated models.

Package inclusions

For a full list of inclusions, see:
https://www.nehta.gov.au/implementation-resources/clinical-documents/EP-1387-2013

Scope

The changes are as follows:

- five new detailed clinical models added to support data uploaded from Medicare to the PCEHR;
- a sixth new detailed clinical model, *Requested Service*, added to the *Miscellaneous Detailed Clinical Model Specification*;
- a data element added to each model to store a unique identifier for each instance of the concept described by the model; and
- a data group added to each model to enable linking a data instance of the model to another data instance (of the same or a different model) elsewhere in the same or another document or electronic health record.

Each Detailed Clinical Model Specification contains its own change log.

Notes:

- This release of the Detailed Clinical Model Library contains both versions 1.1 and 1.2 of the Miscellaneous Detailed Clinical Model Specification. These two versions were released within a month of each other, but, although version 1.2 supersedes version 1.1, in the set of PCEHR Structured Content Specifications released at the same time, some utilise version 1.1 and some version 1.2; so both are required.
- In version 4.0 of the Detailed Clinical Model Library, each Detailed Clinical Model Specification had its own release note. In this version, this single release note replaces those (seven) individual release notes.
- The previous release of the Detailed Clinical Model library (v4.0) was a major update to the library following extensive, early work done to create a pre-release set of Structured Content Specifications for the PCEHR and the formal adoption of the DCM-based strategy by the Clinical Information team at NEHTA.

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