Community Medication List (PML)

Rev. 1.4 – Trial Implementation

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Please verify you have the most recent version of this document. See here for Trial Implementation and Final Text versions and here for Public Comment versions.
Foreword

This is a supplement to the future IHE Pharmacy Technical Framework. Each supplement undergoes a process of public comment and trial implementation before being incorporated into the volumes of the Technical Frameworks.

This supplement is published on February 17, 2022 for trial implementation and may be available for testing at subsequent IHE Connectathons. The supplement may be amended based on the results of testing. Following successful testing it will be incorporated into the future Pharmacy Technical Framework. Comments are invited and may be submitted at Pharmacy Public Comments.

This supplement describes changes to the existing technical framework documents.

“Boxed” instructions like the sample below indicate to the Volume Editor how to integrate the relevant section(s) into the relevant Technical Framework volume.

**Amend Section X.X by the following:**

Where the amendment adds text, make the added text **bold underline**. Where the amendment removes text, make the removed text **bold strikethrough**. When entire new sections are added, introduce with editor’s instructions to “add new text” or similar, which for readability are not bolded or underlined.

General information about IHE can be found at IHE.

Information about the IHE Pharmacy domain can be found at IHE Domains.

Information about the organization of IHE Technical Frameworks and Supplements and the process used to create them can be found at Profiles and IHE Process

The current versions of the Pharmacy Technical Framework supplements can be found at Pharmacy Technical Framework.
CONTENTS

55
Introduction to this Supplement ................................................................. 5
   Open Issues and Questions ................................................................... 5
   Closed Issues ................................................................................. 5
IHE Technical Frameworks General Introduction ........................................... 5
60
9  Copyright Licenses .................................................................................. 6
10  Trademark ............................................................................................ 6
IHE Technical Frameworks General Introduction Appendices ..................... 7
Appendix A – Actors ................................................................................. 7
Appendix B – Transactions ....................................................................... 7
65
Appendix D – Glossary ............................................................................... 8

Volume 1 – Profiles .................................................................................. 9
   1.10 History of Annual Changes ........................................................... 9
   2.5 Dependencies of the Pharmacy Integration Profiles ......................... 9
X Community Medication List Content Profile .......................................... 10
70
   X.1 PML Actors, Transactions, and Content Modules ............................... 10
   X.1.1 Actor Descriptions and Actor Profile Requirements ....................... 11
   X.2 PML Actor Options ..................................................................... 11
   X.3 PML Required Actor Groupings ..................................................... 11
   X.4 PML Overview .......................................................................... 12
75
   X.4.1 Concepts ................................................................................ 12
   X.4.2 Use Cases ............................................................................ 12
      X.4.2.1 Use Case #1: Request Medication List .................................. 12
      X.4.2.1.1 Request Medication List Use Case Description ................. 12
      X.4.2.1.2 Request Medication List Process Flow ............................. 13
80
   X.5 PML Security Considerations ....................................................... 13
   X.6 PML Cross Profile Considerations ................................................. 13
Appendices to Volume 1 ........................................................................... 14

Volume 2 – Transactions ........................................................................... 15

Volume 3 – Content Modules ..................................................................... 16

85
5  Namespaces and Vocabularies ................................................................. 16
6  Content Modules ................................................................................. 17
   6.3.1 CDA Document Content Modules ............................................. 17
      6.3.1.D Community Medication List (PML) Document Content Module .... 17
         6.3.1.D.1 Format Code ................................................................. 19
         6.3.1.D.2 Parent Template ............................................................. 19
         6.3.1.D.3 Referenced Standards ..................................................... 19
         6.3.1.D.4 Data Element Requirement Mappings to CDA ................... 19
         6.3.1.D.5 Community Medication List (PML) Document Content Module
            Specification ........................................................................ 20
90
   6.3.1.D.6 PML Conformance and Example ......................................... 21
   6.3.2 CDA Header Content Modules ................................................... 22
6.3.2.H1 Patient Information Header Content Module .................................................. 22
6.3.2.H2 Healthcare Provider Information Header Content Module ............................. 22
   6.3.2.H2.1 Healthcare Provider Information - Person or Device Specification
   100
6.3.2.H3 Healthcare Provider Information - Person Header Content Module .............. 23
6.3.2.H4 Healthcare Provider Information - Device Header Content Module .............. 24
6.3.2.H5 Healthcare Provider Information - Organization Header Content Module ...... 24
6.3.3 CDA Section Content Modules.............................................................................. 25
   105
6.3.3.10.S1 Medication List - Section Content Module ............................................ 25
   6.3.3.10.S1.1 Parent Templates ............................................................................ 26
   6.3.3.10.S1.2 Medication List Section ID ............................................................. 27
   6.3.3.10.S1.3 Section title .................................................................................. 27
   6.3.3.10.S1.4 Text ............................................................................................ 27
   110
6.3.3.10.S1.5 Medication List Author ..................................................................... 27
   6.3.3.10.S1.6 Medication List Condition ............................................................. 28
6.3.4 CDA Entry Content Modules................................................................................ 28
   6.4 Section not applicable ...................................................................................... 28
6.5 PML Value Sets ....................................................................................................... 28
115 Appendices to Volume 3 ....................................................................................... 29
Volume 3 Namespace Additions .................................................................................. 30
Introduction to this Supplement

The Community Medication List Profile (PML) describes the content and format of a Medication List document generated during a process in which a health care professional (physician, pharmacist, nurse, etc.) requests this information (e.g., to support its prescribing).

Documents created according to this profile are intended to be used in the context of the “Community Medication Prescription and Dispense” Integration Profile (CMPD).

This supplement also references other documents\(^1\). The reader should have already read and understood these documents:

1. [PHARM Common parts document](http://www.ihe.net/Technical_Frameworks)
2. [PHARM Community Medication Prescription and Dispense Integration Profile (CMPD)](http://www.ihe.net/Technical_Frameworks)
3. [PCC Technical Framework Volume 1](http://www.ihe.net/Technical_Frameworks)
4. [PCC Technical Framework Volume 2](http://www.ihe.net/Technical_Frameworks)
5. [IT Infrastructure Technical Framework Volume 1](http://www.ihe.net/Technical_Frameworks)
6. [IT Infrastructure Technical Framework Volume 2](http://www.ihe.net/Technical_Frameworks)
7. [IT Infrastructure Technical Framework Volume 3](http://www.ihe.net/Technical_Frameworks)
8. HL7 and other standards documents referenced in this document

Open Issues and Questions

- Header template “Patient information”: Shall a vocabulary be set (e.g., HL7 Gender list) to be required?

Closed Issues

None

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\(^1\) The first four documents are located on the IHE Website at [http://www.ihe.net/Technical_Frameworks](http://www.ihe.net/Technical_Frameworks). The ITI Technical Framework can be found at [https://profiles.ihe.net/ITI/TF/index.html](https://profiles.ihe.net/ITI/TF/index.html). The remaining documents can be obtained from their respective publishers.
IHE Technical Frameworks General Introduction

The IHE Technical Frameworks General Introduction is shared by all of the IHE domain technical frameworks. Each technical framework volume contains links to this document where appropriate.

9 Copyright Licenses

IHE technical documents refer to, and make use of, a number of standards developed and published by several standards development organizations. Please refer to the IHE Technical Frameworks General Introduction, Section 9 - Copyright Licenses for copyright license information for frequently referenced base standards. Information pertaining to the use of IHE International copyrighted materials is also available there.

10 Trademark

IHE® and the IHE logo are trademarks of the Healthcare Information Management Systems Society in the United States and trademarks of IHE Europe in the European Community. Please refer to the IHE Technical Frameworks General Introduction, Section 10 - Trademark for information on their use.
IHE Technical Frameworks General Introduction Appendices

The IHE Technical Framework General Introduction Appendices are components shared by all of the IHE domain technical frameworks. Each technical framework volume contains links to these documents where appropriate.

Update the following appendices to the General Introduction as indicated below. Note that these are not appendices to this domain’s Technical Framework (TF-1, TF-2, TF-3 or TF-4) but rather, they are appendices to the IHE Technical Frameworks General Introduction located here.

Appendix A – Actors

Add the following new or modified actors to the IHE Technical Frameworks General Introduction Appendix A:

<table>
<thead>
<tr>
<th>New (or modified) Actor Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>No new actors</td>
<td></td>
</tr>
</tbody>
</table>

Appendix B – Transactions

Add the following new or modified transactions to the IHE Technical Frameworks General Introduction Appendix B:

<table>
<thead>
<tr>
<th>New (or modified) Transaction Name and Number</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>No new transactions</td>
<td></td>
</tr>
</tbody>
</table>
## Appendix D – Glossary

Add the following **new or modified** glossary terms to the [IHE Technical Frameworks General Introduction Appendix D](#):

<table>
<thead>
<tr>
<th>New (or modified) Glossary Term</th>
<th>Definition</th>
<th>Synonyms</th>
<th>Acronym/Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Medication List</td>
<td>A collection of Medication Treatment Plan-, Prescription-, Dispense- and Medication Administration Items (and their related Pharmaceutical Advice Items) representing the Medication information of the patient at a certain point of time and according to business rules specified.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
190 Add the following to Section 1.10

1.10 History of Annual Changes

- In the 2016-2017 cycle of the IHE Pharmacy initiative, the following major changes were introduced to this supplement (please see the list of this year’s change proposals for the complete set of changes at https://drive.google.com/drive/folders/13jNXdHJZig9w2mCbot87xHjU-wf2IFb0:
  - Profile has been renamed from “Pharmacy Medication List” to “Community Medication List”
  - Title and text elements have been added on section level
  - Medication Administration Items, introduced by the new Community Medication Administration (CMA) Profile can now be part of a Medication List
  - Pharm-Namespace “ihe:pharm:medication” changed to “ihe:pharm” (see Medicine Entry Content Module located in PRE Profile)

Important Note: Due to the nature of some of the changes, this profile revision is no longer backwards compatible to the former revisions.

- In the 2022 cycle, changes were made due to CP-PHARM-144.

Add the following to Section 2.5

2.5 Dependencies of the Pharmacy Integration Profiles

<table>
<thead>
<tr>
<th>Community Medication Treatment Plan (MTP)</th>
<th>PCC</th>
<th>Content definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>This profile includes Section and Entry Content Modules of the Patient Care Coordination (PCC) domain.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

210
**Add Section X**

### X Community Medication List Content Profile

The Community Medication List Profile (PML) describes the content and format of a Medication List document generated during a process in which a health care professional (physician, pharmacist, nurse, etc.) requests this information (e.g., to support its prescribing).

Documents created according to this profile are intended to be used in the context of the “Community Medication Prescription and Dispense” Integration Profile (CMPD). The Community Medication Prescription and Dispense workflow includes the stage of requesting the Medication List of a patient by a health care professional (physician, pharmacist, nurse, etc.).

A Community Medication List document is the documentation of the performed determination of the Medication list. It contains a set of Medication Treatment Plan-, Prescription-, Dispense- and Medication Administration Items (and their related Pharmaceutical Advice Items) representing the Medication information of the patient at a certain point of time and according to business rules specified out of scope of this profile.

For a detailed overview on the whole Pharmacy domain business processes, please refer to the “Common parts” document, which is accompanying this profile.

### X.1 PML Actors, Transactions, and Content Modules

This section defines the actors, transactions, and/or content modules in this profile.

Figure X.1-1 shows the actors directly involved in the PML Profile and the direction that the content is exchanged.

A product implementation using this profile must group actors from this profile with actors from a workflow or transport profile to be functional. The grouping of the content module described in this profile to specific actors is described in more detail in the “Required Actor Groupings” section below.

![Figure X.1-1: PML Actor Diagram](image)

Table X.1-1 lists the content module(s) defined in the PML Profile. To claim support with this profile, an actor shall support all required content modules (labeled “R”) and may support optional content modules (labeled “O”).

---

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Template Rev. 10.3
Table X.1-1: PML Profile - Actors and Content Modules

<table>
<thead>
<tr>
<th>Actors</th>
<th>Content Modules</th>
<th>Optionality</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Creator</td>
<td>Community Medication List</td>
<td>R</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
<tr>
<td></td>
<td>1.3.6.1.4.1.19376.1.9.1.1.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content Consumer</td>
<td>Community Medication List</td>
<td>R</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
<tr>
<td></td>
<td>1.3.6.1.4.1.19376.1.9.1.1.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

X.1.1 Actor Descriptions and Actor Profile Requirements

Most requirements are documented in Transactions (Volume 2) and Content Modules (Volume 3). This section documents any additional requirements on profile’s actors.

X.2 PML Actor Options

Options that may be selected for each actor in this profile, if any, are listed in the Table X.2-1. Dependencies between options when applicable are specified in notes.

Table X.2-1: PML - Actors and Options

<table>
<thead>
<tr>
<th>Actor</th>
<th>Option Name</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Consumer</td>
<td>View Option (see Note 1)</td>
<td>PCC TF-2: 3.1.1</td>
</tr>
<tr>
<td></td>
<td>Document Import Option (see Note 1)</td>
<td>PCC TF-2: 3.1.2</td>
</tr>
<tr>
<td></td>
<td>Section Import Option (see Note 1)</td>
<td>PCC TF-2: 3.1.3</td>
</tr>
<tr>
<td></td>
<td>Discrete Data Import Option (see Note 1)</td>
<td>PCC TF-2: 3.1.4</td>
</tr>
<tr>
<td>Content Creator</td>
<td>No options defined</td>
<td></td>
</tr>
</tbody>
</table>

Note 1: The actor shall support at least one of these options.

X.3 PML Required Actor Groupings

An actor from this profile (Column 1) shall implement all of the required transactions and/or content modules in this profile in addition to all of the transactions required for the grouped actor (Column 2).

If this is a content profile, and actors from this profile are grouped with actors from a workflow or transport profile, the Content Bindings reference column references any specifications for mapping data from the content module into data elements from the workflow or transport transactions.

In some cases, required groupings are defined as at least one of an enumerated set of possible actors; this is designated by merging column one into a single cell spanning multiple potential grouped actors. Notes are used to highlight this situation.
Section X.5 describes some optional groupings that may be of interest for security considerations and Section X.6 describes some optional groupings in other related profiles, if applicable.

### Table X.3-1: PML - Required Actor Groupings

<table>
<thead>
<tr>
<th>PML Actor</th>
<th>Actor to be grouped with</th>
<th>Reference</th>
<th>Content Bindings Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Consumer</td>
<td>PHARM Medication Treatment Plan Planner</td>
<td>PHARM TF-1: 4.1.1.2</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
<tr>
<td></td>
<td>PHARM Prescription Placer</td>
<td>PHARM TF-1: 4.1.1.3</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
<tr>
<td></td>
<td>PHARM Pharmaceutical Adviser</td>
<td>PHARM TF-1: 4.1.1.4</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
<tr>
<td></td>
<td>PHARM Medication Dispenser</td>
<td>PHARM TF-1: 4.1.1.5</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
<tr>
<td></td>
<td>PHARM Medication Administration Performer</td>
<td>PHARM TF-1: 4.1.1.6</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
<tr>
<td>Content Creator</td>
<td>PHARM Community Pharmacy Manager</td>
<td>PHARM TF-1: 4.1.1.1</td>
<td>PHARM TF-3: 6.3.1.D</td>
</tr>
</tbody>
</table>

### X.4 PML Overview

#### X.4.1 Concepts

Not applicable

#### X.4.2 Use Cases

##### X.4.2.1 Use Case #1: Request Medication List

Physician requests the information about prescribed and dispensed medication to a patient.

#### X.4.2.1.1 Request Medication List Use Case Description

A patient enters a physician’s office for treatment of an illness requiring the usage of medication. The physician decides to prescribe a new medication but wants to check the patient’s medication status first in order to do medication reconciliation and review.

The physician requests the Medication List and receives the document containing all dispenses and medication administrations for a period of time and all prescriptions which are still ready to be dispensed. He also gets all planned medications in order to have an exhaustive view of the medication treatment plan of the patient.

Refer to the Community Medication Prescription and Dispense Integration Profile (CMPD) for detailed use case information.
X.4.2.1.2 Request Medication List Process Flow

Pre-conditions:  
A Healthcare provider has identified the patient and is ready to retrieve the Medication List.

Main Flow:
1. Patient visits facility (Registering patient)
2. Obtain patient’s Health ID
3. Retrieve and Reconcile clinical data
4. Physical examination
5. Retrieve Medication List and perform Medication Reconciliation and Review
6. Prescribe medication

Post-conditions:  
The Healthcare provider has got the Medication List to perform a medication reconciliation and review.

X.5 PML Security Considerations

The security considerations for a content module are dependent upon the security provisions defined by the grouped actor(s).

X.6 PML Cross Profile Considerations

Not applicable
Appendices to Volume 1

Appendices A.1 to A.4 are applicable to this profile as described in the “Community Prescription (PRE)” supplement.
Volume 2 – Transactions

None
Volume 3 – Content Modules

5 Namespaces and Vocabularies

Add to Section 5 Namespaces and Vocabularies

<table>
<thead>
<tr>
<th>codeSystem</th>
<th>codeSystemName</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3.6.1.4.1.19376.1.9</td>
<td>IHE Pharmacy Object Identifiers</td>
<td>This is the root OID for all IHE Pharmacy objects</td>
</tr>
</tbody>
</table>

See also the Namespaces and Vocabularies of the IHE PCC Technical Framework PCC-TF2/Namespaces and Vocabularies.

Add to Section 5.1.1 IHE Format Codes

<table>
<thead>
<tr>
<th>Profile</th>
<th>Format Code</th>
<th>Media Type</th>
<th>Template ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Medication List (PML)</td>
<td>urn:ihe:pharm:pml:2013</td>
<td>text/xml</td>
<td>1.3.6.1.4.1.19376.1.9.1.1.5</td>
</tr>
</tbody>
</table>

Add to Section 5.1.2 IHE ActCode Vocabulary

NA

Add to Section 5.1.3 IHE RoleCode Vocabulary

NA
6 Content Modules

6.3.1 CDA Document Content Modules

Add to Section 6.3.1.D Document Content Modules

6.3.1.D Community Medication List (PML) Document Content Module
6.3.1.D.1 Format Code

The XDSDocumentEntry format code for this content is **urn:ihe:pharm:pml:2013**

6.3.1.D.2 Parent Template

This document is a specialization of the IHE PCC Medical Document template (OID = 1.3.6.1.4.1.19376.1.5.3.1.1.1).

Note: The Medical Document includes requirements for various header elements; name, addr and telecom elements for identified persons and organizations; and basic participations record target, author, and legal authenticator.

6.3.1.D.3 Referenced Standards

All standards which are reference in this document are listed below with their common abbreviation, full title, and link to the standard.

Table 6.3.1.D.3-1: Community Medication List - Referenced Standards

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Title</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDAR2</td>
<td>HL7 CDA Release 2.0</td>
<td>HL7 CDA Release 2.0</td>
</tr>
<tr>
<td>IHE PCC</td>
<td>IHE PCC Medical Documents Specification (1.3.6.1.4.1.19376.1.5.3.1.1.1)</td>
<td>Medical Documents Specification (1.3.6.1.4.1.19376.1.5.3.1.1.1)</td>
</tr>
<tr>
<td>XMLXSL</td>
<td>Associating Style Sheets with XML documents</td>
<td>Associating Style Sheets with XML documents</td>
</tr>
</tbody>
</table>

6.3.1.D.4 Data Element Requirement Mappings to CDA

This section identifies the mapping of data between referenced standards into the CDA implementation guide.

Table 6.3.1.D.4-1: Community Medication List - Data Element Requirement Mappings to CDA

<table>
<thead>
<tr>
<th>Clinical Data Element</th>
<th>PML</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Patient Information</strong></td>
<td>recordTarget/patientRole</td>
</tr>
<tr>
<td>Patient Administrative Identifiers</td>
<td>recordTarget/patientRole/id</td>
</tr>
<tr>
<td>Patient Name</td>
<td>recordTarget/patientRole/patient/name</td>
</tr>
<tr>
<td>Patient Gender</td>
<td>recordTarget/patientRole/patient/administrativeGenderCode</td>
</tr>
<tr>
<td>Patient Birth Date</td>
<td>recordTarget/patientRole/patient/birthTime</td>
</tr>
<tr>
<td>Patient Address</td>
<td>recordTarget/patientRole/addr</td>
</tr>
<tr>
<td>Patient Telecom</td>
<td>recordTarget/patientRole/telecom</td>
</tr>
<tr>
<td><strong>HCP Person Information</strong></td>
<td>author</td>
</tr>
<tr>
<td>HCP ID(s)</td>
<td>author/assignedAuthor/id</td>
</tr>
<tr>
<td>HCP Profession</td>
<td>author/functionCode</td>
</tr>
</tbody>
</table>
Clinical Data Element | PML
---|---
HCP Name | author/assignedAuthor/assignedPerson/name
HCP Telecom | author/assignedAuthor/telecom
HCP Specialty | author/assignedAuthor/code
**HCP Organization** | author/assignedAuthor/representedOrganization
HCP Organization Name | author/assignedAuthor/representedOrganization/name
HCP Organization Address | author/assignedAuthor/representedOrganization/addr
HCP Organization Telecom | author/assignedAuthor/representedOrganization/telecom
**Service Event**[^2] | documentationOf/serviceEvent
Date of Service Event | documentationOf/serviceEvent/effectiveTime
Service Event Code | documentationOf/serviceEvent/code
Authorization | authorization/consent
Patient contacts | guardian
Medication List | HISTORY OF MEDICATION USE

### 6.3.1.D.5 Community Medication List (PML) Document Content Module Specification

This section specifies the header, section, and entry content modules which comprise the Community Medication List (PML) Document Content Module, using the Template ID as the key identifier.

Sections that are used according to the definitions in other specifications are identified with the relevant specification document. Additional constraints on vocabulary value sets, not specifically constrained within the section template, are also identified.

It has to be noted that Context conduction is highly dependent on the type of information carried by content profiles and its interpretation may be rather diverse and complex. It is therefore recommended not to use contextConductionInd attribute in any element of this profile.

[^2]: Service Event is optional and may only be used if the dispense has been taken without a prescription. In this case it may contain service event information of the medical event in which context the dispense act has been taken.
Table 6.3.1.D-5-1: Community Medication List (PML) Document Content Module Specification

<table>
<thead>
<tr>
<th>Template Name</th>
<th>Community Medication List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Template ID</td>
<td>1.3.6.1.4.1.19376.1.9.1.1.5</td>
</tr>
<tr>
<td>Parent Template</td>
<td>1.3.6.1.4.1.19376.1.5.3.1.1.1 [PCC]</td>
</tr>
<tr>
<td>General Description</td>
<td>A document containing a set of Medication Treatment Plan-, Prescription-, Dispense-, Medication Administration- and Pharmaceutical Advice Items altogether forming a medication list of a patient.</td>
</tr>
<tr>
<td>Document Code</td>
<td>SHALL be 56445-0, LOINC, “Medication summary”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Opt and Card</th>
<th>Condition</th>
<th>Header Element or Section Name</th>
<th>Template ID</th>
<th>Specification Document</th>
<th>Vocabulary Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>M [1..1]</td>
<td>Patient Information</td>
<td>1.3.6.1.4.1.19376.1.9.1.4.1</td>
<td>PHARM TF-3: 6.3.2.H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M [1..1]</td>
<td>Healthcare Provider Information</td>
<td>1.3.6.1.4.1.19376.1.9.1.4.2</td>
<td>PHARM TF-3: 6.3.2.H</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Sections | |
|----------|-------------------------------|-------------|------------------------|-----------------------|
| M [1..1] | Medication List | 1.3.6.1.4.1.19376.1.9.1.2.5 | PHARM TF-3: 6.3.3.10.S |

6.3.1.D.6 PML Conformance and Example

CDA Release 2.0 documents that conform to the requirements of this document content module shall indicate their conformance by the inclusion of the 1.3.6.1.4.1.19376.1.9.1.1.5 XML elements in the header of the document.

A CDA Document may conform to more than one template. This content module inherits from the PCC TF Medical Document, 1.3.6.1.4.1.19376.1.5.3.1.1.1, content modules and so must conform to the requirements of those templates as well this document specification, Community Medication List template, 1.3.6.1.4.1.19376.1.9.1.1.5.

A complete example of the Community Medication List (PML) Document Content Module is available on the IHE Google Drive at: [https://drive.google.com/drive/folders/1oZjXGWzN-NEN7NTrMYWP0aE3tvGNXKX](https://drive.google.com/drive/folders/1oZjXGWzN-NEN7NTrMYWP0aE3tvGNXKX).

Note that this is an example and is meant to be informative and not normative. This example shows the elements for all of the specified templates.
Add to Section 6.3.2 Header Content Modules

6.3.2 CDA Header Content Modules

6.3.2.H1 Patient Information Header Content Module

Table 6.3.2.H1-1: Community Medication List (PML) Header

<table>
<thead>
<tr>
<th>Template Name</th>
<th>Patient Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Template ID</td>
<td>1.3.6.1.4.1.19376.1.9.1.4.1</td>
</tr>
<tr>
<td>Parent Template</td>
<td>N/A</td>
</tr>
<tr>
<td>Header Element</td>
<td>recordTarget</td>
</tr>
<tr>
<td>General Description</td>
<td>This header content module contains required and optional patient information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Opt and Card</th>
<th>Participation/Act Relationship</th>
<th>Description</th>
<th>Template</th>
<th>Specification Document</th>
<th>Vocabulary Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>M [1..1]</td>
<td>RCT</td>
<td>Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M [1..1]</td>
<td>RCT</td>
<td>Personal Identification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M [1..1]</td>
<td>RCT</td>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M [1..1]</td>
<td>RCT</td>
<td>Date of Birth</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R [0..1]</td>
<td>RCT</td>
<td>Address</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R [0..1]</td>
<td>RCT</td>
<td>Contact Information</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O[0..1]</td>
<td>RCT</td>
<td>Marital Status</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O[0..1]</td>
<td>RCT</td>
<td>Race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O[0..1]</td>
<td>RCT</td>
<td>Ethnicity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O[0..1]</td>
<td>RCT</td>
<td>Religious Affiliation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6.3.2.H2 Healthcare Provider Information Header Content Module
Table 6.3.2.H2-1: Community Medication List (PML) Header

<table>
<thead>
<tr>
<th>Template Name</th>
<th>Healthcare Provider Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Template ID</td>
<td>1.3.6.1.4.1.19376.1.9.1.4.2</td>
</tr>
<tr>
<td>Parent Template</td>
<td>N/A</td>
</tr>
<tr>
<td>Header Element</td>
<td>author</td>
</tr>
</tbody>
</table>

| General Description           | This header content module contains required and optional healthcare provider information (person, device and organization). |
| Opt and Card                  | Participation/ Act Relationship |
| Description                   | Template                        | Specification Document | Vocabulary Constraint |
| C [0..1] AUT                  | Healthcare Provider Information - Person or Device | 1.3.6.1.4.1.19376.1.9.1.4.2.1 or 1.3.6.1.4.1.19376.1.9.1.4.2.2 | PHARM TF-3: 6.3.2.H1 |
| M [1..1] AUT                  | Healthcare Provider Information - Organization | 1.3.6.1.4.1.19376.1.9.1.4.2 |  |

6.3.2.H2.1 Healthcare Provider Information - Person or Device Specification Document

The Healthcare Provider Information Person or Device data element SHALL contain either an assignedPerson element according to the Healthcare Provider Information - Person Header Content Module (1.3.6.1.4.1.19376.1.9.1.4.2.1) or an assignedAuthoringDevice element according to the Healthcare Provider Information - Device Header Content Module (1.3.6.1.4.1.19376.1.9.1.4.2.2).

6.3.2.H3 Healthcare Provider Information - Person Header Content Module

Table 6.3.2.H3-1: Community Medication List (PML) Header

<table>
<thead>
<tr>
<th>Template Name</th>
<th>Healthcare Provider Information - Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Template ID</td>
<td>1.3.6.1.4.1.19376.1.9.1.4.2.1</td>
</tr>
<tr>
<td>Parent Template</td>
<td>N/A</td>
</tr>
<tr>
<td>Header Element</td>
<td>author</td>
</tr>
</tbody>
</table>

| General Description           | This header content module contains required and optional healthcare provider person information. |
| Opt and Card                  | Participation/ Act Relationship |
| Description                   | Template                        | Specification Document | Vocabulary Constraint |
| M [1..1] AUT                  | HCP Person Name                 |                          |  |
| M [1..1] AUT                  | HCP Person Personal Identification |                          |  |
### 6.3.2.H4 Healthcare Provider Information - Device Header Content Module

**Table 6.3.2.H4-1: Community Medication List (PML) Header**

<table>
<thead>
<tr>
<th>Opt and Card</th>
<th>Participation/Act Relationship</th>
<th>Description</th>
<th>Template</th>
<th>Specification Document</th>
<th>Vocabulary Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>M [1..1] AUT</td>
<td>M [1..1] AUT</td>
<td>HCP Device Manufacturer Model Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O [0..1] AUT</td>
<td>O [0..1] AUT</td>
<td>HCP Device Software Name</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 6.3.2.H5 Healthcare Provider Information - Organization Header Content Module

**Table 6.3.2.H5-1: Community Medication List (PML) Header**

<table>
<thead>
<tr>
<th>Opt and Card</th>
<th>Participation/Act Relationship</th>
<th>Description</th>
<th>Template</th>
<th>Specification Document</th>
<th>Vocabulary Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>M [1..1] AUT</td>
<td>M [1..1] AUT</td>
<td>HCP Organization Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M [1..1] AUT</td>
<td>M [1..1] AUT</td>
<td>HCP Organization Identifier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M [1..1] AUT</td>
<td>M [1..1] AUT</td>
<td>HCP Organization Address</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M [1..1] AUT</td>
<td>M [1..1] AUT</td>
<td>HCP Organization Contact Information</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6.3.3 CDA Section Content Modules

Add to Section 6.3.3.10 Section Content Modules

6.3.3.10.S1 Medication List - Section Content Module

Table 6.3.3.10.S1-1: Medication List Section

<table>
<thead>
<tr>
<th>Template Name</th>
<th>Medication List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Template ID</td>
<td>1.3.6.1.4.1.19376.1.9.1.2.5</td>
</tr>
<tr>
<td>Parent Template</td>
<td>-</td>
</tr>
</tbody>
</table>

General Description

The Medication List section shall contain a description of the Medication Treatment Plan-, Prescription-, Dispense- and Medication Administration Items assembled to a medication list. It shall include zero to many Medication Treatment Plan items and/or Prescription items and/or Dispense items and/or Medication Administration Items altogether with related Pharmaceutical Advice Items.

For specification of the Medication Treatment Plan-, Prescription-, Dispense-, Medication Administration- and Pharmaceutical Advice Item Entry Content Modules see Community Medication Treatment Plan (MTP), Community Prescription (PRE), Community Dispense (DIS), Community Medication Administration (CMA) and Community Pharmaceutical Advice (PADV) profiles.

Section Code

10160-0, LOINC, History of medication use

Author

-

Informant

-

Subject

-

<table>
<thead>
<tr>
<th>Opt and Card</th>
<th>Condition</th>
<th>Data Element or Section Name</th>
<th>Template ID</th>
<th>Specification Document</th>
<th>Vocabulary Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>O [0..*]</td>
<td>Medication Treatment Plan Item Entry Content Module</td>
<td>1.3.6.1.4.1.19376.1.9.1.3.7</td>
<td>PHARM MTP supplement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O [0..*]</td>
<td>Prescription Item Entry Content Module</td>
<td>1.3.6.1.4.1.19376.1.9.1.3.2</td>
<td>PHARM PRE supplement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O [0..*]</td>
<td>Dispense Item Entry Content Module</td>
<td>1.3.6.1.4.1.19376.1.9.1.3.4</td>
<td>PHARM DIS supplement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O [0..*]</td>
<td>Medication Administration Item Entry Content Module</td>
<td>1.3.6.1.4.1.19376.1.9.1.3.16</td>
<td>PHARM CMA supplement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O [0..*]</td>
<td>PHARM TF-3: 6.3.3.10.S1 Pharmaceutical Advice Item Entry Content Module</td>
<td>1.3.6.1.4.1.19376.1.9.1.3.3</td>
<td>PHARM PADV supplement</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
<component>
  <section>
    <templateId root='1.3.6.1.4.1.19376.1.9.1.2.5'/>
    <id root=' ' extension=' '/>
    <code code='10160-0' displayName='History of medication use'
      codeSystem='2.16.840.1.113883.6.1' codeSystemName='LOINC'/>
    <title>Medication List</title>
    <text>
      Text as described above
    </text>
    <author>
      <!-- 0..n Medication Treatment Plan Items -->
      <entry>
        <substanceAdministration classCode='SBADM' moodCode='INT'>
          <templateId root='1.3.6.1.4.1.19376.1.9.1.3.7'/>
        </substanceAdministration>
      </entry>
      <!-- 0..n Prescription Items -->
      <entry>
        <substanceAdministration classCode='SBADM' moodCode='INT'>
          <templateId root='1.3.6.1.4.1.19376.1.9.1.3.2'/>
        </substanceAdministration>
      </entry>
      <!-- 0..n Dispense Items -->
      <entry>
        <supply>
          <templateId root='1.3.6.1.4.1.19376.1.9.1.3.4'/>
        </supply>
      </entry>
      <!-- 0..n Medication Administration Items -->
      <entry>
        <substanceAdministration classCode='SBADM' moodCode='EVN'>
          <templateId root='1.3.6.1.4.1.19376.1.9.1.3.16'/>
        </substanceAdministration>
      </entry>
      <!-- and 0..n related Pharmaceutical Advice Items -->
      <entry>
        <observation>
          <templateId root='1.3.6.1.4.1.19376.1.9.1.3.3'/>
        </observation>
      </entry>
    </author>
  </section>
</component>

6.3.3.10.S1.1 Parent Templates

This section content module has no parent structure. The value for ‘section/code’ SHALL be “10160-0”, “History of medication use”.

Rev. 1.4 – 2022-02-17

Template Rev. 10.3
6.3.3.10.S1.2 Medication List Section ID

A Medication List identifier SHALL be represented in the section <id> Element. The data type of the ID is II.

6.3.3.10.S1.3 Section title

According to CDA R2 rules for structured CDA body, “the absence of the Section.title component signifies an unlabeled section.” (See HL7 Clinical Document Architecture, Release 2.0, 1.3.1 Recipient Responsibilities.)

6.3.3.10.S1.4 Text

A <text> element SHOULD be represented in the section and contain the narrative version of the Medication Treatment Plan Item. This narrative block SHALL present the information to the human reader and represent the Medication Treatment Plan Item information, using the various structures available in the CDA: tables, lists, paragraphs, hyperlinks, etc.

6.3.3.10.S1.5 Medication List Author

In the case where the PML author or the timestamp of a medication list is different from the author and timestamp of the Community Medication List-document, the PML author and timestamp of the medication list shall be represented by the <author> element of the section.

<table>
<thead>
<tr>
<th>Data element</th>
<th>HL7 V3 Data Type</th>
<th>CDA Body position (relative XPath expression)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PML Author Profession</td>
<td>CE</td>
<td>author/functionCode</td>
</tr>
<tr>
<td>Timestamp of inclusion</td>
<td>TS</td>
<td>author/time</td>
</tr>
<tr>
<td>PML Author ID</td>
<td>II</td>
<td>author/assignedAuthor/id</td>
</tr>
<tr>
<td>PML Author Specialty</td>
<td>CE</td>
<td>author/assignedAuthor/code</td>
</tr>
<tr>
<td>PML Author Name</td>
<td>PN</td>
<td>author/assignedAuthor/assignedPerson/name</td>
</tr>
<tr>
<td>PML Author Organization Identifier</td>
<td>II</td>
<td>author/assignedAuthor/referredOrganization/id</td>
</tr>
<tr>
<td>PML Author Organization Name</td>
<td>ON</td>
<td>author/assignedAuthor/referredOrganization/name</td>
</tr>
<tr>
<td>PML Author Organization Address</td>
<td>AD</td>
<td>author/assignedAuthor/referredOrganization/addr</td>
</tr>
</tbody>
</table>
6.3.3.10.S1.6 Medication List Condition

The Medication List Section MAY contain Pharmaceutical Advice Item Entries which related to Medication Treatment Plan-, Prescription-, Dispense- or Medication Administration Item Entries provided in the section.

6.3.4 CDA Entry Content Modules

Not applicable

6.4 Section not applicable

This heading is not currently used in a CDA document.

6.5 PML Value Sets

Not applicable
Appendices to Volume 3

Not applicable
Volume 3 Namespace Additions

Add the following terms to the IHE Namespace:

- Community Medication List (PML) Document Content Module
  - 1.3.6.1.4.1.19376.1.9.1.1.5
- Patient Information Header Content Module
  - 1.3.6.1.4.1.19376.1.9.1.4.1
- Healthcare Provider Information Header Content Module
  - 1.3.6.1.4.1.19376.1.9.1.4.2
- Medication List - Section Content Module
  - 1.3.6.1.4.1.19376.1.9.1.2.5