

Integrating the Healthcare Enterprise



5

**IHE Pharmacy
Technical Framework Supplement**

10

**Community Medication List
(PML)**

15

Rev. 1.4 – Trial Implementation

20 Date: February 17, 2022
Author: IHE Pharmacy Technical Committee
Email: pharmacy@ihe.net

25

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

30 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
35 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.

40 *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.

45

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](#)

50 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.....	6
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
90	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
95	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
100	6.3.2.H2.1 Healthcare Provider Information - Person or Device Specification Document.....	23
	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
105	6.3.3 CDA Section Content Modules.....	25
	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

120 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).

125 This supplement also references other documents¹. The reader should have already read and understood these documents:

1. [PHARM Common parts document](#)
2. [PHARM Community Medication Prescription and Dispense Integration Profile \(CMPD\)](#)
3. [PCC Technical Framework Volume 1](#)
- 130 4. [PCC Technical Framework Volume 2](#)
5. [IT Infrastructure Technical Framework Volume 1](#)
6. [IT Infrastructure Technical Framework Volume 2](#)
7. [IT Infrastructure Technical Framework Volume 3](#)
8. HL7 and other standards documents referenced in this document

135 Open Issues and Questions

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

Closed Issues

None

¹ The first four documents are located on the IHE Website at http://www.ihe.net/Technical_Frameworks. The ITI Technical Framework can be found at <https://profiles.ihe.net/ITI/TF/index.html>. The remaining documents can be obtained from their respective publishers.

140 **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

145 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.

150 **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.

155 **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.

160 *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](#).*

165 **[Appendix A](#) – Actors**

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

New (or modified) Actor Name	Description
No new actors	

170

[Appendix B](#) – Transactions

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

175

New (or modified) Transaction Name and Number	Definition
No new transactions	

180

Appendix D – Glossary

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

185

New (or modified) Glossary Term	Definition	Synonyms	Acronym/ Abbreviation
Community Medication List	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.		

Volume 1 – Profiles

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
 195 <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
 200
 - Pharm-Namespaces “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.
 205

Add the following to Section 2.5

2.5 Dependencies of the Pharmacy Integration Profiles

Community Medication Treatment Plan (MTP)	PCC	Content definition	This profile includes Section and Entry Content Modules of the Patient Care Coordination (PCC) domain.
---	-----	--------------------	--

210

215

Add Section X

X Community Medication List Content Profile

220 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
225 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
230 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

235 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
240 this profile to specific actors is described in more detail in the “Required Actor Groupings” section below.

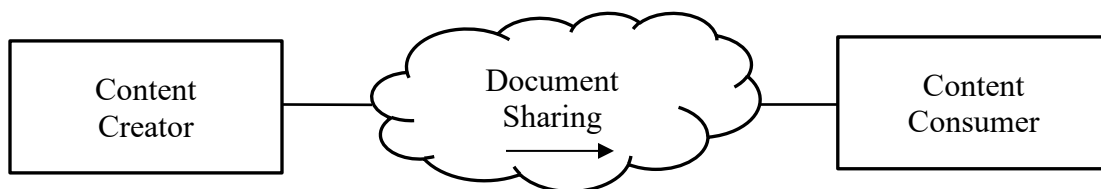


Figure X.1-1: PML Actor Diagram

245 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”).

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

Actors	Content Modules	Optionality	Reference
Content Creator	Community Medication List 1.3.6.1.4.1.19376.1.9.1.1.5	R	PHARM TF-3: 6.3.1.D
Content Consumer	Community Medication List 1.3.6.1.4.1.19376.1.9.1.1.5	R	PHARM TF-3: 6.3.1.D

X.1.1 Actor Descriptions and Actor Profile Requirements

250 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.

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

Actor	Option Name	Reference
Content Consumer	View Option (see Note 1)	PCC TF-2: 3.1.1
	Document Import Option (see Note 1)	PCC TF-2: 3.1.2
	Section Import Option (see Note 1)	PCC TF-2: 3.1.3
	Discrete Data Import Option (see Note 1)	PCC TF-2: 3.1.4
Content Creator	No options defined	

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

X.3 PML Required Actor Groupings

260 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).

265 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.

270 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

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

X.4 PML Overview

X.4.1 Concepts

275 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

280 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.

285 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

290 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)
- 295 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

300

Post-conditions:

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

X.5 PML Security Considerations

305 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

- 310 Appendices A.1 to A.4 are applicable to this profile as described in the “Community Prescription (PRE)” supplement.

Volume 2 – Transactions

None

315

Volume 3 – Content Modules

5 Namespaces and Vocabularies

Add to Section 5 Namespaces and Vocabularies

codeSystem	codeSystemName	Description
1.3.6.1.4.1.19376.1.9	IHE Pharmacy Object Identifiers	This is the root OID for all IHE Pharmacy objects

320 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

Profile	Format Code	Media Type	Template ID
Community Medication List (PML)	urn:ihe:pharm:pml:2013	text/xml	1.3.6.1.4.1.19376.1.9.1.1.5

325 *Add to Section 5.1.2 IHE ActCode Vocabulary*

NA

Add to Section 5.1.3 IHE RoleCode Vocabulary

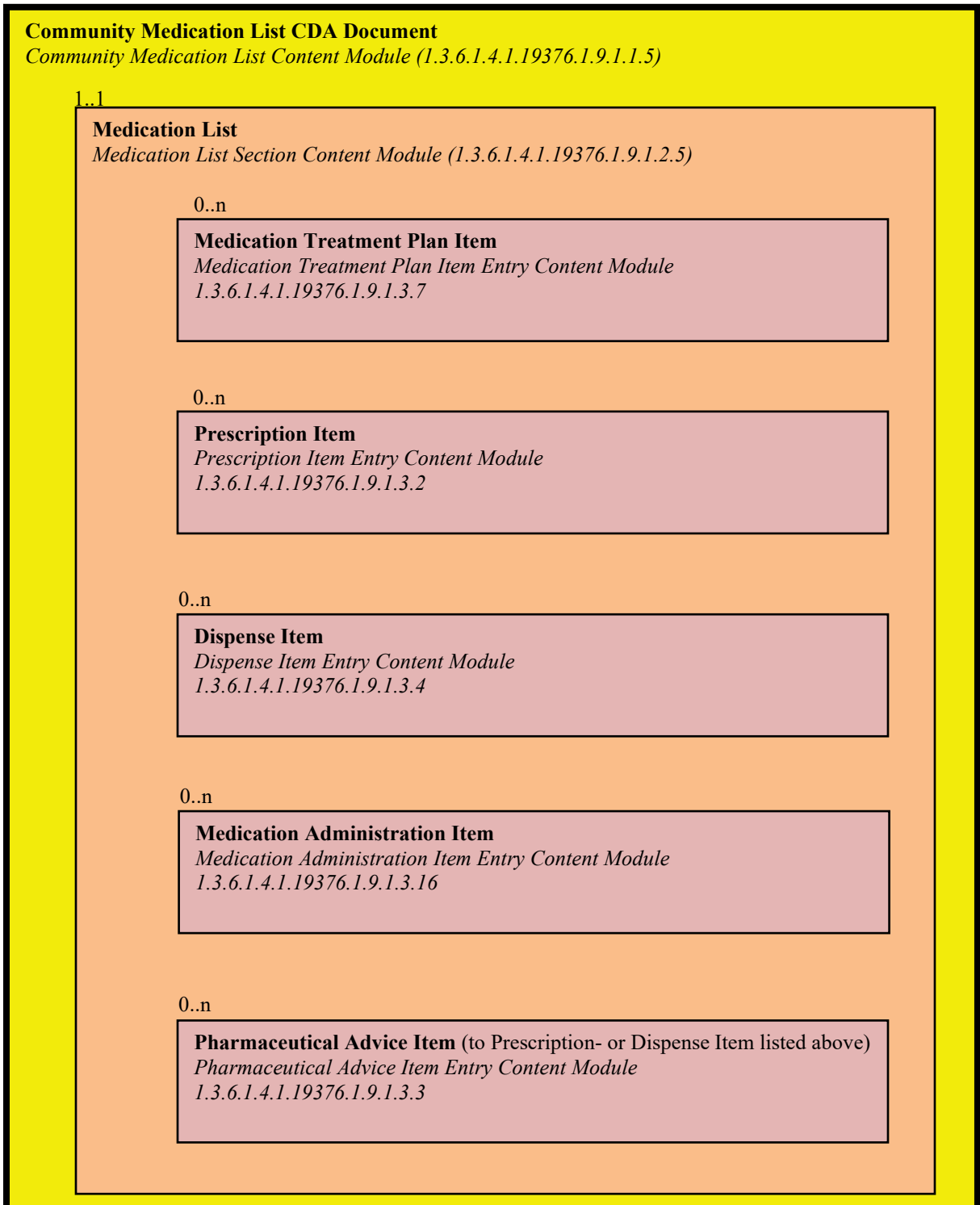
NA

330 **6 Content Modules**

6.3.1 CDA Document Content Modules

Add to Section 6.3.1.D Document Content Modules

335 **6.3.1.D Community Medication List (PML) Document Content Module**



6.3.1.D.1 Format Code

340 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).

345 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

Abbreviation	Title	URL
HL7V3 NE2009	HL7 V3 2009 Normative Edition	HL7 V3 2009 Normative Edition
CDAR2	HL7 CDA Release 2.0	HL7 CDA Release 2.0
IHE PCC	IHE PCC Medical Documents Specification (1.3.6.1.4.1.19376.1.5.3.1.1.1)	Medical Documents Specification (1.3.6.1.4.1.19376.1.5.3.1.1.1)
XMLXSL	Associating Style Sheets with XML documents	Associating Style Sheets with XML documents

350

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

355

Clinical Data Element	PML
Patient Information	recordTarget/patientRole
Patient Administrative Identifiers	recordTarget/patientRole/id
Patient Name	recordTarget/patientRole/patient/name
Patient Gender	recordTarget/patientRole/patient/administrativeGenderCode
Patient Birth Date	recordTarget/patientRole/patient/birthTime
Patient Address	recordTarget/patientRole/addr
Patient Telecom	recordTarget/patientRole/telecom
HCP Person Information	author
HCP ID(s)	author/assignedAuthor/id
HCP Profession	author/functionCode

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 Event²	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

360 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.

365 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.

370

Table 6.3.1.D.5-1: Community Medication List (PML) Document Content Module Specification

Template Name		Community Medication List			
Template ID		1.3.6.1.4.1.19376.1.9.1.1.5			
Parent Template		1.3.6.1.4.1.19376.1.5.3.1.1.1 [PCC]			
General Description		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.			
Document Code		SHALL be 56445-0, LOINC, “Medication summary”			
Opt and Card	Condition	Header Element or Section Name	Template ID	Specification Document	Vocabulary Constraint
Header Elements					
M [1..1]		Patient Information	1.3.6.1.4.1.19376.1.9.1.4.1	PHARM TF-3: 6.3.2.H	
M [1..1]		Healthcare Provider Information	1.3.6.1.4.1.19376.1.9.1.4.2	PHARM TF-3: 6.3.2.H	
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

375

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.

380

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-NEN7NETrMYWP0aE3tvGNXKX>.

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.

385

Add to Section 6.3.2 Header Content Modules

390 **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

Template Name		Patient Information			
Template ID		1.3.6.1.4.1.19376.1.9.1.4.1			
Parent Template		N/A			
Header Element		recordTarget			
General Description		This header content module contains required and optional patient information.			
Opt and Card	Participation/ Act Relationship	Description	Template	Specification Document	Vocabulary Constraint
M [1..1]	RCT	Name			
M [1..1]	RCT	Personal Identification			
M [1..1]	RCT	Gender			
M [1..1]	RCT	Date of Birth			
R [0..1]	RCT	Address			
R [0..1]	RCT	Contact Information			
O[0..1]	RCT	Marital Status			
O[0..1]	RCT	Race			
O[0..1]	RCT	Ethnicity			
O[0..1]	RCT	Religious Affiliation			

6.3.2.H2 Healthcare Provider Information Header Content Module

395

Table 6.3.2.H2-1: Community Medication List (PML) Header

Template Name		Healthcare Provider Information			
Template ID		1.3.6.1.4.1.19376.1.9.1.4.2			
Parent Template		N/A			
Header Element		author			
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.H.1	
M [1..1]	AUT	Healthcare Provider Information - Organization	1.3.6.1.4.1.19376.1.9.1.4.2.3		

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

400 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).

405 6.3.2.H3 Healthcare Provider Information - Person Header Content Module

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

Template Name		Healthcare Provider Information - Person			
Template ID		1.3.6.1.4.1.19376.1.9.1.4.2.1			
Parent Template		N/A			
Header Element		author			
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			

R [0..1]	AUT	HCP Person Profession			
R [0..1]	AUT	HCP Person Specialty			
O [0..1]	AUT	HCP Person Contact Information			

6.3.2.H4 Healthcare Provider Information - Device Header Content Module

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

Template Name		Healthcare Provider Information - Device			
Template ID		1.3.6.1.4.1.19376.1.9.1.4.2.2			
Parent Template		N/A			
Header Element		author			
General Description		This header content module contains required and optional healthcare provider device information.			
Opt and Card	Participation/ Act Relationship	Description	Template	Specification Document	Vocabulary Constraint
M [1..1]	AUT	HCP Device Manufacturer Model Name			
O [0..1]	AUT	HCP Device Software Name			

410

6.3.2.H5 Healthcare Provider Information - Organization Header Content Module

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

Template Name		Healthcare Provider Information - Organization			
Template ID		1.3.6.1.4.1.19376.1.9.1.4.2.3			
Parent Template		N/A			
Header Element		author			
General Description		This header content module contains required and optional healthcare provider organization information.			
Opt and Card	Participation/ Act Relationship	Description	Template	Specification Document	Vocabulary Constraint
M [1..1]	AUT	HCP Organization Name			
M [1..1]	AUT	HCP Organization Identifier			
M [1..1]	AUT	HCP Organization Address			
M [1..1]	AUT	HCP Organization Contact Information			

6.3.3 CDA Section Content Modules*Add to Section 6.3.3.10 Section Content Modules*

415

6.3.3.10.S1 Medication List - Section Content Module**Table 6.3.3.10.S1-1: Medication List Section**

Template Name	Medication List				
Template ID	1.3.6.1.4.1.19376.1.9.1.2.5				
Parent Template	-				
General Description	<p>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.</p> <p>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.</p>				
Section Code	10160-0, LOINC, History of medication use				
Author	-				
Informant	-				
Subject	-				
Opt and Card	Condition	Data Element or Section Name	Template ID	Specification Document	Vocabulary Constraint
Entries					
O [0..*]		Medication Treatment Plan Item Entry Content Module	1.3.6.1.4.1.19376.1.9.1.3.7	PHARM MTP supplement	
O [0..*]		Prescription Item Entry Content Module	1.3.6.1.4.1.19376.1.9.1.3.2	PHARM PRE supplement	
O [0..*]		Dispense Item Entry Content Module	1.3.6.1.4.1.19376.1.9.1.3.4	PHARM DIS supplement	
O [0..*]		Medication Administration Item Entry Content Module	1.3.6.1.4.1.19376.1.9.1.3.16	PHARM CMA supplement	
O [0..*]	PHARM TF-3: 6.3.3.10.S.1	Pharmaceutical Advice Item Entry Content Module	1.3.6.1.4.1.19376.1.9.1.3.3	PHARM PADV supplement	

```

420 <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'
425         codeSystem='2.16.840.1.113883.6.1' codeSystemName='LOINC' />
        <title>Medication List</title>
        <text>
            Text as described above
        </text>
        <author>
430         :
        </author>
        <!-- 0..n Medication Treatment Plan Items -->
        <entry>
            <substanceAdministration classCode='SBADM' moodCode='INT'>
435             <templateId root='1.3.6.1.4.1.19376.1.9.1.3.7' />
                :
            </substanceAdministration>
        </entry>
            :
440        <!-- 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>
445        </entry>
            :
        <!-- 0..n Dispense Items -->
        <entry>
450         <supply>
            <templateId root='1.3.6.1.4.1.19376.1.9.1.3.4' />
            :
        </supply>
        </entry>
            :
455        <!-- 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' />
                :
460            </substanceAdministration>
        </entry>
            :
        <!-- and 0..n related Pharmaceutical Advice Items -->
        <entry>
465         <observation>
            <templateId root='1.3.6.1.4.1.19376.1.9.1.3.3' />
            :
        </observation>
        </entry>
470         :
    </section>
</component>

```

6.3.3.10.S1.1 Parent Templates

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

6.3.3.10.S1.2 Medication List Section ID

`<id root=' ' extension=' '/>`

480 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

`<title>...</title>`

485 A Medication List Section title SHOULD be represented in the section `<title>` Element. 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

`<text>...</text>`

490 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

`<author>...</author>`

495 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.

Data element	HL7 V3 Data Type	CDA Body position (relative XPath expression)
PML Author Profession	CE	<i>author/functionCode</i>
Timestamp of inclusion	TS	<i>author/time</i>
PML Author ID	II	<i>author/assignedAuthor/id</i>
PML Author Specialty	CE	<i>author/assignedAuthor/code</i>
PML Author Name	PN	<i>author/assignedAuthor/assignedPerson/name</i>
PML Author Organization Identifier	II	<i>author/assignedAuthor/representedOrganization/id</i>
PML Author Organization Name	ON	<i>author/assignedAuthor/representedOrganization/name</i>
PML Author Organization Address	AD	<i>author/assignedAuthor/representedOrganization/addr</i>

500 **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

505 Not applicable

6.4 Section not applicable

This heading is not currently used in a CDA document.

6.5 PML Value Sets

Not applicable

510

Appendices to Volume 3

Not applicable

Volume 3 Namespace Additions

Add the following terms to the IHE Namespace:

515

- 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

520

- 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